



विज्ञानं यज्ञं तनुते

तेजपुर विश्वविद्यालय

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur, Assam-784028, INDIA



NAAC Reaccreditation (Cycle 3)

SELF STUDY REPORT

VOLUME-II B

SUBMITTED TO

NATIONAL ASSESSMENT & ACCREDITATION COUNCIL

2016



TEZPUR UNIVERSITY

A SELF STUDY REPORT

VOLUME - II B

Projects, Publications and Patents

Submitted to

**National Assessment and
Accreditation Council
2016**

Volume-II B

List of Projects, Publications and Patents

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Departmentwise ^anumber and layout of Projects (2011-2015, upto 31.03.15)^bDepartmental/ centre-wise break up

Sl. No.	Department/Centre	No. of ongoing projects	Outlay ongoing (₹ in lakh)	No. of Completed projects	Outlay completed (₹ in lakh)	Total outlay (₹ in lakh)
1	Chemical Sciences	12 (Int. 01)	311.87	26	604.41	916.28
2	Environmental Science	19	532.548	6	78.7	611.248
3	Mathematical Sciences	02	12.00	6	15.77	27.77
4	Molecular Biology & Biotechnology	30	1306.09	14	673.24	1979.33
5	Physics	18	585.816	12	570.368	1156.184
6	CSE	4 (Int. 01)	183.72	7	434.595	618.315
7	Energy	07 (Int. 02)	249.56	5 (Int. 02)	111.04	360.6
8	FET	15	351.40778	12	241.69	593.09778
9	ME	6	115.88693	-	-	115.88693
10	ECE and Electrical Engineering	8	143.8	-	-	143.8
11	Business Administration	4	37.9	5	12.79	50.69
12	Cultural Studies	3	47	1	4.88	51.88
13	EFL	2	66.74	2	37.21	103.95
14	Sociology	4	43.94	5	8.78	52.72
15	MCJ	2	6.66	8	31.24	37.9
16	Centre for Innovation Incubation and Entrepreneurship (CIIE)	01	6.25	-	-	6.25
17	CID (Centre for Inclusive Development)	01	16.5	-	-	16.5
18	ONGC- Centre for Petroleum Biotechnology (CPBT)	04	88.44	-	-	88.44
Total		142 (Int. 04)	4106.12871	109 (Int. 02)	2824.713	6930.84171

^a The number and outlay of university joint projects are counted in PI's Department^b Updated data to be made available as Additional Annexures during peer team visit

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List of Projects**School of Sciences****1. Chemical Sciences (Ongoing: 12)**

Sl. No.	Project Title	PI	Amount Sanctioned (₹ In lakhs)	Funding Agency	Period and Duration
1	Development of polymer nano composite based photovoltaic device	S. K. Dolui	92.00	DIT	(2011-2015) 3 years
2	Popularization of an Integrated Arsenic and Iron removal method, 'Arsiron Nilogon', at the Arsenic affected rural areas of Assam	R.K. Dutta	9.4	DST	(2014-2016) 2 years
3	Computational Studies of Bare and Zeolite-Supported Metal Nanoclusters and their Application in Catalysis	R. C. Deka	53.00	DST	(2013-2016) 3 years
4	Hybrid Quantum Mechanics / Molecular Mechanics Calculation on Palladium Supported TiO ₂ for CO Oxidation	R. C. Deka	31.25	DST-UKIERI (International)	(2014-2016) 2 years
5	Investigation of one pot synthesis of acridine derivatives using greener approach	R. Borah	17.00	CSIR	(2012-2015) 3 years
6	Design of Non-precious Cobalt-oxide Electrocatalysts	P. Bharali	6.0	CSIR	(2014- 2017) 3 years
7	Design of hybrid catalysts for oxygen reduction reaction.	P. Bharali	29.5	DST	(2015-2018) 3 years
8	"Rational Strategies to Build Nano-magnets".	N. Gogoi	24.5	DST	(2013- 2016) 3 years
9	"Development of Exchange Biased {3d-4d/5d} Assemblies: A rational Route Towards High T _b Nanomagnets	N. Gogoi	12.42	CSIR	(2014- 2017) 3 Years
10	Improving drug properties by cocrystal technology	B. Sarma	6.0	UGC	(2014-2016) 2 years
11	Asymmetric Syntheses of New Classes of Unnatural α -Amino Acid Derivatives	S. K. Das	24.8	DST	(2014-2017) 3 years

12	Asymmetric Synthesis of Benzo-Annulated Oxa-Heterocycles via Lewis Acid and Transition Metal-Catalyst-Free Intramolecular Aziridine Ring-Opening	S. K. Das	6.0	UGC	(2014-2016) 2 years
Total Fund			311.87		

(Completed during 2011-15: 26)

Sl. No	Project Title	PI	Amount Sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Graphene/graphene oxide based polymer nanocomposite as biosensor and super capacitor	S. K. Dolui	15.00	CSIR	3 years
2	Development of stimuli responsive polymeric hydrogel and their application	S. K. Dolui	28.29	DRDO	3 years
3	Emulsion polymerization of Styrene and encapsulation of antifouling additives using SCF as reaction medium	S.K. Dolui	14.41	NRB	3 Years
4	Carbon filled π -Conjugated polymer and its application as electrode	S.K. Dolui	21.07	BRNS (DAE)	3 Years
5	Development of Polymer supported Ziegler-Natta Catalyst for Propylene polymerization in slurry process	S.K. Dolui	14.50	CSIR	3 Years
6	Development of Green Nano-composites based on Natural Resources	T. K. Maji	10.56	DST	3 Years
7	Development of Nano Composites materials from waste plastics & non-conventional Plant materials available in the forests of Assam	T. K. Maji	3.00	CSIR	3 Years
8	Development of natural polymeric system for controlled delivery of Anticancer agents	T. K. Maji	10.92	CSIR	3 years

9	Development of Bio Nano Composite for removal of contaminants from water	T. K. Maji	9.57	DRL	3 years
10	Integrated arsenic and iron removal from contaminated ground water	R.K. Dutta	20.75	DST	3 Years
11	Laboratory study of fluoride removal from ground water using acid enhanced limestone de-fluoridation technique.	R.K. Dutta	11.75	DST	3 Years
12	Hyperbranched Epoxy Nanohybrids Immobilized Natural Biocide for Advanced Marine Coating	N. Karak	38.00	NRB	3 years
13	Development of multifunctional dendritic polymers for injectable bone tissue engineering	N. Karak	101.32	DBT	3 years
14	Development of thermosetting polymer/clay nanocomposites	N. Karak	24.00	DST	3 Years
15	Development of epoxy clay nanocomposites	N. Karak	15.00	DRDO	3 Years
16	Computational Studies of Bare and Zeolite Supported Palladium Nanoclusters and Their Application in Catalysis	R.C. Deka	30.65	DST	3 Years
17	Synthesis, characterization and application of novel solid base green catalysts for nucleophilic addition reactions	R. C. Deka	30.30	DST	3 years
18	Microwave assisted Prins reaction using ionic liquid as reaction medium	R. Borah	8.75	CSIR	3 Years
19	Formation of β -lactam from ester-enolate imine cyclocondensation	R. Borah	6.21	UGC	3 Years
20	Radical cyclisation methodology in the synthesis of nitrogen heterocycles.	A. J. Thakur	14.00	CSIR	3 Years
21	Theoretical Study of some catalysts for Olefin Polymerization and Organometallic Chemical Vapor Deposition (OMCVD),	A.K. Phukan	20.16	DST	3 Years
22	Electroimmobilization of Acetylcholinesterase for Sensor Application.	P. Puzari	17.35	AICTE	3 Years
23	Preparation and Studies on Polymer Anchored Transition	N. S. Islam	20.80	DST	3 years

	Metal Compounds. Towards Development of Bio-relevant Complexes and Active Oxidation Catalysts				
24	Preparation and characterization of peroxo-metal compounds and studies on their biological significance in cellular signaling (Collaboration with Centre for DNA Finger Printing and Diagnostics (CDFD), Hyderabad)	N. S. Islam	70.50	DBT	3 years
25	Studies on green polymeric nanocomposites for development of insect repellent formulations.	N. Karak	9.55	DRL	3 years
26	Magnetic nanoparticles decorated biodegradable polyurethane MWCNT nanocomposites as shape memory material	N. Karak	38.00	DST	3 years
Total			604.41		

2. Environmental Science (Ongoing: 19)

Sl. No.	Project Title	PI/ Co-PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period / duration
1	Physiochemical characterization of aerosol and source apportionment in mid Brahmaputra plain in Assam; A modeling approach.	R. R. Hoque K. P. Sarma (Co-PI)	69.7	M/o Earth Sciences, GOI.	Mar 2011 - Mar 2015 (4 Yrs)
2	Spatial and Temporal variation of aerosol optical depth (AOD) on Mid Brahmaputra valley	R. R. Hoque	10.10	UGC	Mar 2013 - Mar 2016 (3 Yrs)
3	Modelling Atmospheric Pollution and Networking (MAPAN)	R. R. Hoque	20.32	Director IITM	2013 - 2017 (4 Yrs)
4	Sustainable utilization of solid waste as a source of plant nutrient in rice based agroecosystem of North East India	S. S. Bhattacharya K. P. Sarma (Co-PI)	14.80	CSIR	Feb. 2012 - Aug. 2015 (3 ½ Yrs)
5	Qualitative development of vermicompost technology through isolation of novel microorganisms and their application in agricultural waste management of Assam	S. S. Bhattacharya	64.84	DBT	Oct. 2012 - Oct. 2015 (3 Years)
*6	Polymer supported green nano-particles: using plants of northeast India; Studies on toxicity and anticancer property	S. S. Bhattacharya (Co-PI)	58.81 (T.U 33.46)	DBT	Mar 2014 - Feb 2017
7	Soil plant atmospheric study in relation to the CO ₂ flux from terrestrial ecosystem of Assam	K.K. Baruah Nirmali Gogoi (Co-PI)	54.89	Ministry of Earth Science	Sept 2013 - Aug. 2016 (3 Yrs)
8	Evaluation of Carbon Sequestration and enhancing carbon sinks in rice based agro-ecosystems of Assam	K.K. Baruah Nirmali Gogoi (Co-PI)	62.42	DST	Apr 2012 - Mar 2015 (3 Yrs)
**9	Development of phytoremediation protocol for crude oil contamination	K.K. Baruah (Co-PI)	Sl. No. 2 (ONGC-CPBT)	ONGC CPBT, TU	2014-16
10	Hydro-Geochemical Investigation of arsenic-contaminated alluvial aquifers of India through multilayer Sampling and evaluations of Applicable Remediation Technique.	Manish Kumar	23.65	DST Fast Track for Young Scientists	Sept. 2012 - Aug. 2015 (3 Years)

11	Tracing source and distribution of heavy metals in the sediment and water of the Brahmaputra River through coupling of speciation and isotopic fingerprinting	Manish Kumar K. P Sarma (Co-PI)	10.6	UGC	July, 2012 - June, 2015 (3 Years)
12	Understanding of arsenic phase distribution and co-contamination perspective with fluoride in the Brahmaputra flood plains	M. Kumar	25	DST-SERB	April, 2012 - Aug, 2015 (3 Years)
13	Spatial Distribution of uranium and associated water quality parameters in six districts of Assam (Sonitpur, Lakhimpur, Morigaon, Nagaon, Jorhat, Sibsagar)	K.P. Sarma R. R. Haque (Co-PI)	24.56	DAE (BARC)	Sept, 2014 - Aug 2016 (2 Years)
14	Distribution and enrichment of heavy metals among sediments, water and aquatic plants and modeling of ecological impact on wetland ecosystem of the Brahmaputra valley	K. P. Sarma A. K. Das (Co-PI)	8.32	UGC	July 2012 - June 2015 (3 years)
15	Sacred groves of Assam: biodiversity status and strategies for their conservation	Ashalata Devi	9.96	GBPIHED	Sept. 14 - Aug. 17 (3 years)
16	Documentation, collection and preservation of biodiversity of Tezpur University	Ashalata Devi	2.15	TU	March 14 - Feb. 16 2 years
17	Exploration, utilization, conservation and documentation of Allium species in northeastern India	Ashalata Devi	10.89	UGC	July 1, 2012 - June, 2015 3 Years
18	Studies on distribution, behavioural ecology, habitat structure and conservation of newly discovered Arunachal macaque (Macacamunzala) in western Arunachal Pradesh India	Ashalata Devi	23.98	DST	01-04-13 to 31-03-16 3 years
19	Hydro-geomorphic characterization of Manas- Aie and Gaurang river basins- A baseline study of geomorphic response to observed precipitation change over Indian region	A. K. Das	24.60	SERB	Jan 2014 - Dec 2016 (3 years)
**20	Production of biochar from various bio-wastes and its soil application for sustainable soil management and mitigation of GHG emission	Nirmali Gogoi (Co PI)	12.958	UGC	3years
Total			532.548		

*In collaboration with Viswa Bharati University

**In collaboration with Krishi Vigyan Kendra, Assam Agricultural University

(Completed: 6)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Duration
1	N ₂ O emission from major agricultural field crops of Assam	K. K. Baruah	26.00	DST	4 Years
2	Impact of Natural gas flare on growth and yield development in rice	K. K. Baruah	8.00	MoEF	4 Years
3	Exploration of native flora and in-vitro study to assess their efficiency in removal of water pollutant	K. P. Sarma	12.47	DST	3 Years
4	Spatial distribution and source apportionment of PAH s in drinking water and soil of surrounding areas of oil fields of Borhola area of Jorhat	K. P. Sarma	6.35	ONGC	1 Year
5	Impact of Climate change with reference to low rainfall on sustainable productivity of pulse crops in Assam	Nirmali Gogoi	11.18	UGC	3 years
6	Molecular and Physico-Chemical Characterization of Selected Ginger Species from North-Eastern Region	S. Mitra	14.7	DBT -Twining	Apr, 2011 - Mar, 2015
Total			78.7		

3. Mathematical Sciences (Ongoing: 02)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Performance evaluation of some Markovian and non-Markovian queuing system with Impatience customer	P. Medhi	6.00	UGC	2013-15 2 years
2	Fully discrete analysis of two-level/two-grid methods for Oldroyd model with non-smooth data	D. Goswami	6.00	UGC	2014-15 2 years
Total			12.00		

(Completed: 6)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Smooth Bootstrap estimation of various measures of accuracy and bandwidth selection for kernel density estimators.	S. Dutta	1.20	UGC	1.5 years 2011-13
2	A study of computational aspects of connectedness and its variations in some classes of topological spaces	D. Hazarika	1.40	UGC	1.5 years 2010-12
3	A study of k-hyponormality as a bridge between subnormality and hyponormality	M. Hazarika	2.82	DST (F/T for Young Scientist)	4 years 2009-12
4	Bi-harmonic formulation of incompressible viscous fluid and its numerical simulation by higher order compact schemes.	S. Sen	1.20	UGC	1.5 years 2010-12
5	Iwasawa Theory of Lubin-Tate division towers and a lemma of Coleman	R. Barman	1.25	UGC	1.5 years 2010-12
6	Modeling of flood hazard with special reference to North-East India	S. Deka (R/S)	7.90	DST (WSS)	4 years 2009-12
Total			15.77		

4. Molecular Biology & Biotechnology (Ongoing: 30+2*)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Period and duration
1	Estimation of the diversity of endophytes in sub-tropical forest of Arunachal Pradesh and creation of genetic resource	N. D. Namsa	12.40	DBT, New Delhi	2015-2018
2	Proteomics study of aromatic hydrocarbon degradation enzymes of some selected bacterial strain prospecting strategies for environmental bioremediation.	A. K. Mukherjee	7.06	ONGC-CPBT	2014 –2016
3	Role of transcription factors IRF8 and KLF4 in lipid induced adipose tissue inflammation and insulin resistance.	Suman Dasgupta	15	INSA	2014-2017
4	Role of fetuin-A gene and protein expression in obesity induced impairment of adipogenesis and stimulation of adipose tissue inflammation implementing insulin resistance and type 2 diabetes	Suman Dasgupta	14.5	UGC	2015-2018
5	Venomomics and antivenomics of Indian Cobra and Russell's viper; implications in drug discovery and quality control of antivenoms	A. K. Mukherjee	132.0	DBT	2015 - 2017
6	Application of snake venom toxins labelled with functionalized nanoparticles for detecting endogenous targets in cells and ex vivo tissues with prospects for the development of novel diagnostic and therapy tools.	A. K. Mukherjee	45.36	DBT	2014 - 16
7	National Bioscience award – 2013 for career development/Project	A. K. Mukherjee	15	DBT	2014- 16
8	Systemic Lupus Erythematosus (SLE) - An investigation into diagnostics and disease pathogenesis	S. Baruah	119.94	DBT	2015-19
9	Cloning, expression and structural characterization of anti-thrombin from cattle tick salivary gland: designing of novel anti-thrombin peptide	R. Doley	41.06	DST	2014- 18
10	Development of phytoremediation protocol for crude oil contamination	T. Medhi	5.0	ONGC	2014- 16

11	Development of a process for effective use of acetyl choline esterase biosensor for determining the pesticide residue in produce	T. Medhi Co PI	11.5	MOPI/DST	2014- 17
12	Isolation and characterization of hydrogen producing bacteria from North-Eastern states of India, (With special emphasis on Assam and Arunachal Pradesh), for efficient conversion of biomass to hydrogen	M. Mandal	54.71	DBT	2011-15
13	Study of microbial diversity and biochemical characteristics of selected non alcoholic fermented (milk, vegetable and pulses) food product of Assam and Arunachal Pradesh	M. Mandal	56.20	DBT	2011-15
14	Study of microbial biofilm inhibition by traditionally used medicinal plants of Assam and Arunachal Pradesh and their role on extracellular polymeric substances (EPS) secretion	M. Mandal	6.0	DST	2013- 15
15	Molecular Epidemiology of Group A rotavirus (RVA) Infections in the North-eastern region (NER)	N. D. Namsa	75.18	DBT	2014-17
16	Elucidation of signaling pathways and identification of host cell factors that regulate the formation of viroplasm and hyperphosphorylation of rotavirus nonstructural protein 5 (NSP5)	N. D. Namsa	12.0	DST	2013-15
17	Molecular cloning, expression and functional characteriza-tion of desulfurization enzymes (Dsz A, B & C) of newly identified bacterium <i>Paenibacillus</i> sp. from crude oil contaminated soil of North-East India, Assam.	N.D. Namsa N.K. Bordoloi	11.0	CSIR	2014-17
18	Characterization of a potential auto transporter adhesion function in <i>Ralstonia solanacearum</i> , the causal agent of bacterial wilt in plants.	S.K. Ray	35.66	DBT	2012-15
19	Understanding codon usage bias in organisms	S.K. Ray	15.50	DBT	2012-14 (Ext. 1 yr)
20	Sequencing genomes of bacteria that invades/resides in side tomato plant	S. K. Ray	123.00	DBT- NER	2013 -16
21	Protein Folding Kinetics is a Selection Force on Shaping Codon Usage Bias	S.K. ray	24.72	DBT	2014-16

	in the High Expression Genes				
22	Studies of the efficacy of flavonoid and non-flavonoid polyphenols against chronic inflammation induced disease pathogenesis & rdquo	R. Mukhopadhyaya	48.6	DBT	2014-16
23	Role of non-canonical function of ribosomal proteins in inflammation (DBT-Unit	R. Mukhopadhyay	152.07	DBT	2014-17
*24	GIS modeling based impact assessment of ground water arsenic contamination in Brahmaputra basin and development of a remediation strategy using endemic lignocellulosic agro waste based nanobiosorbants	E. Kalita	95.79	DBT	2012-15
** 25	Development of nanomaterial based dual mode contrast agent and their surface mediated conjugation study from first principles.	E. Kalita (Co PI)	Sl. No. 12 (Dept. of Physics)	DBT	2013-16
26	In-Silico design and evaluation of sequences for gama D crystallin protein	A. N. Jha	48.72	DBT	2013-15
27	Study on the regulation of adipose tissue development and function by post-translational protein arginylation	S. Saha	56.1	DBT	2012-15
28	Studies on Genetic and Epigenetic Alteration in Head and Neck Cancer Prevalent in North East Region of India	A Ramteke	47.02	DBT	2011-15
29	Computational approaches of understanding the pathway of alpha synuclein protein aggregation mechanism	M. V. Satish Kumar	6.0	UGC start up grant	2014-16
30	In silico study on the human Lemur Tyrosine Kinase 3 interaction with ER- α/β (Estrogen Receptors)	M. V. Satish Kumar	17.0	ICMR, New Delhi	2015-17
31	Understanding the functioning of IDPs from Molecular Dynamics simulations	M.V. Satish Kumar	2.0	TU start up grant	2014-15
*** 32	Comparative metagenome of human gut of North and North eastern region of India.	S. Saha (Co-PI)	Sl. No. 8 (FET)	DBT	2014-17
Total			1306.09		

*In collaboration with Gauhati University

Joint project with **Dept of Physics, ***Dept. with FET

(Completed: 14)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Demonstration of novelty of protease produced by selected bacteria isolated from North-east India.	A. K. Mukherjee	7.14	DBT	2010 - 2011
2	Screening and isolation of bioactive compounds from medicinal plants traditionally used against Malaria in Arunachal Pradesh	N. D. Namsa	9.00	DRDO	2012-2014
3	Studies on bio-ecology of <i>Helopeltistheivora</i> and development of a forecasting model of its incidence for effective management	T. Medhi	74.56	DBT	2011-2014
4	Assessment of thrombolytic potential and anticancer activity of fibrinolytic enzymes purified from Russell's viper venom and bacteria isolated from NE-India.	A. K. Mukherjee	160.04	DBT	2011 - 2014
5	Longitudinal analysis of changes in cytokine profile of malarial patients at different stages of treatment and disease resolution: Understanding molecular basis of cure and malarial pathology	S. Baruah	67.06	DBT	2011-2014
6	Isolation, purification and characterization of compounds with activity against <i>Mycobacterium</i> species from some medicinal plants of North- East India	A. K. Buragohain	16.92	AYUSH-NMPB	2011-2014
7	KIR haplotypic variation and activation of Natural Killer cells in cancer	S. Baruah	27.3	ICMR	2010-2013
8	Understanding the molecular interaction between NK receptor diversity and activation with diverse malignancy in HNSCC prevalent in the population of Assam”	S. Baruah	49.59	DBT	2011-2014
10	Search for novel treatments for snake venom poisoning: Composition analysis of venoms of snake family <i>Naja naja</i> and <i>Daboia russelli</i> and complete characterization of their major toxins.	R. Doley	69.84	DBT	2011-2014

11	Isolation, Characterization, possible use and clinical manifestation of a Neurotoxin from Snake venom (<i>Naja siamensis</i>) with special reference to warfare importance neuro- toxin as a model.	R. Doley	9.80	DRDO	2012-2015
12	Investigation of the antidiabetic property of <i>Potentilla anserine</i> - a traditionally used medicinal plant of the North East using contemporary Biochemical and Molecular approaches	A. K. Buragohain	62.37	DBT	2011- 2013
13	Understanding the molecular interaction between NK receptor diversity and activation with diverse malignancy in HNSCC prevalent in the population of Assam	S. Baruah	49.59	DBT	2010-2013
14	Bioremediation of Crude Oil Contaminated Soil	B. K. Konwar	70.03	ONGC	2009-2014
Total			673.24		

5. Physics (Ongoing: 18)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Period and duration
1.	Enhancement of luminescent quantum efficiency and magnetic properties of functional nanomaterials and related computational studies.	A. Choudhury	218.23	DST (Nano Mission)	2011-14
2.	Electrical and Thermal Transport in Conducting Polymer nanostructures	A. Kumar	3.93	UGC-DAE-CSR-Indore	2011-14
3.	Development of novel Polymer-silicate nanocomposite electrolytes for lithium ion rechargeable batteries.	A. Kumar	10.2	UGC	2011-14
4.	Development of biologically functionalized conducting polymer nanostructures for biosensing applications.	A. Kumar	24.7	DAE-BRNS	2013-16
5.	Microwave Technology based Tea Processing Systems for NE States.	N.S. Bhattacharyya	55.3	SAMEER	2013-16
6.	Study of the role of collisions and their effect on instabilities in high density laser-plasma interactions as well as low-density plasma transport.	N. Das	24.532	DAE-BRNS	2012-15
7.	A Study of the dynamics of dust particles in strongly coupled plasma.	N. Das	9.658	UGC	2013-16
8.	Investigation of photocatalytic response of TiO ₂ nanostructures under doping and irradiation for practical applications.	G.A. Ahmed	13.978	UGC	2013-16
9.	Photonics properties of rare earth doped nanoscale semiconductors subjected to energetic ion irradiation.	D. Mohanta	3.63	IUAC	2011-14
10.	Effect of ion irradiation on nanostructured transition metal dichalcogenide system.	D. Mohanta	6	IUAC	2014-17
11.	Study on the controlled self-assembly of magnetic nanostructures using neutron scattering.	P. Deb	7.67	UGC-DAE	2013-16
12.	Development of nanomaterial based dual mode contrast agent and their surface mediated conjugation study from first principles.	P. Deb	122.25	DBT	2013-16
13.	A plasma-based study of solar equilibrium structure and fluctuation dynamics.	P. K. Karmakar	12.48	DST-SERB	2012-15

14.	Studies on F_L and xF_3 structure functions of hadrons in lepton-nucleus scattering and related nuclear effects.	M.K. Das	16.31	DAE- BRNS	2012-15
15.	Study on neutrino masses and mixing in context of recent neutrino oscillation data.	M. K. Das	10.508	UGC	2013-16
16.	Theoretical spectroscopic studies of polycyclic aromatic hydrocarbon molecules and astrophysical implications.	A. Pathak	13.20	DST	2013-16
17.	Design consideration of SERS substrate for getting extremely enhanced Raman signal.	P. Nath	27.24	DST-SERB	2013-16
18.	Nanostructured graphitic carbon- metal oxide/metal sulfide composites for rechargeable lithium-ion and lithium- O_2 batteries.	S. K. Das	6.00	UGC, New Delhi,	2013-14
Total			585.816		

(Completed: 12)

Sl. No.	Title of the Project	PI	Amount (₹ In lakhs)	Funding Agency	Duration
1.	Development of conducting polymer based nanocomposites for actuator, chemical and biosensor applications.	A. Kumar	37.502	DST	2009-12
2.	Estimation of Crustal Deformation and Tropospheric Precipitable Water Vapour content in Northeastern India using GPS measurements.	A. Kumar	32.988	MoES	2009-12
3.	Effect of Swift heavy ion irradiation on electrical and thermal transport of conducting polymer nanostructures.	A. Kumar	3.63	IUAC	2010-13
4.	Studies on the relativistic and the dynamical spinning sphere models of the electron.	J. K. Sarma	8.9	DAE-BRNS	2009-12
5.	Studies on Gluon Distribution Function and Recombination of Partons	J. K. Sarma	5.99	UGC	2010-13
6.	Synthesis and development of broadband EMI shielding materials using magneto-dielectric-nanoparticles.	N. S. Bhattacharyya	80 (approx.)	DIT	2010-13

7.	The study of the charging of dust particles in plasma and dynamics of complex plasma	N. Das	5.47	UGC	2007-2010
8.	Development of ZnO nanorods for luminescent device applications	D. Mohanta	3.33	IUAC	2008-2011
9.	Fluorescent nanocrystal induced ion channels biomolecular labeling applications (FAST-TRACK)	D. Mohanta	20.4	DST	2009-2012
10.	Investigation of magneto viscous and magneto optics properties of novel ferrofluids.	D. Mohanta	8.338	UGC	2010-2013
11.	Multifunctional hybrid nanosystem for molecular imaging applications.	P. Deb	363.09	DBT	2009-2012
12.	Investigations of a few random problems in solar wind plasma.	P.K. Karmakar	0.73	UGC	2009-2010
Total			570.368		

School of Engineering

6. Computer Science & Engineering (Ongoing: 04)

Sl. No.	Projects title	PI	Grant (₹ In lakhs)	Name of funding agencies	Period and Duration
1	Big Data Analytics- Bioinformatics, Network Security and Robotics	D. K. Bhattacharyya	77.00	UGC SAP (DRS-II)	2014-2019
2	MAC Protocols Design for Cognitive Radio Networks.	N. Sarma	72.84	DeitY	2013-2015
3	BCI as an Intelligent Sensor: BCI Integrated Collaborative Control of a Cognitively Enhanced Smart Wheelchair.	S. M. Hazarika	£ 27255 GBP or ₹ 27.88	UKIERI-DST (International)	2015-2016
4	Advanced Techniques for LAND-COVER change detection in multi temporal remote sensing images	S. Patra	6.0	UGC	2014-2016
Total			183.72		

(Completed: 07)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Machine Intelligence and Natural Language Processing	D. K. Bhattacharyya	71.0	UGC SAP (DRS-I)	2009-2014
2	Development of prosodically guided phonetic engine for searching speech databases in Indian languages	U Sharma	30.015	DeitY	2011-2014
3	Design and Development of a Dynamic Firewall Solution.	S. M. Hazarika	225.58	DeitY	2011-2014
4	DDoS Attack Detection using Ensemble Approach.	D. K. Bhattacharyya	56	DeitY	2011-2013
5	Cost-Effective Bio-Signals Based Prosthetic Hand.	S. M. Hazarika	37	DeitY	2009-2014
6	Beyond Clustering gene expression data.	D. K. Bhattacharyya	10	DST	2011-2014
7	Privacy Preserving Data Mining Techniques.	B. Borah	5	AICTE	2009-2012
Total			434.595		

7. Energy (Ongoing: 07)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Development of a test setup for solar thermal collector with air as working fluid and design a microcontroller-based mechanism for controlling the collector output	P. K. Choudhury	1.25	ASTEC	2014-17, 3 years
2	Capacity building for mitigation of climate change using precision agriculture	D. C. Baruah (Co PI)	4.3	APN	2014-2015, 1 year
3	Development of a fuel efficient all-purpose biomass cook stove	D C. Baruah	1.75	ASTEC	2014-2016, 2 years
4	Production of biochar from various bio-wastes and its soil application for sustainable soil management and mitigation of GHG emission	R. Kataki	Sl. No. 20 (EVS)	UGC	2013-2016, 3 years
5	Rural Hybrid Energy Enterprise Systems	D.C. Baruah	198	DST-UKRC (International)	2013-2016, 3 years
6	Optimizing phosphate recovery from community bio-energy system: low cost sustainable fertilizer production for rural community	D.C. Baruah	15.72	UGC-UKIERI (International)	2013-2015, 2 years
7	Instrumented solar hot air generator (ISHAG) for optimum thermal load in tea processing	D.C. Baruah	28.54	DST	2012-2015, 3 years
Total			249.56		

(Completed: 05)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Strengthening Networking on Biomass Research and Bio-waste conversion - Biotechnology for Europe India Integration (SAHYOG)	R. Kataki	44.79	DBT (Indo-EU) (International)	2012-2015, 3 years
2	Assessment and analysis of plant oil feedstock available in North-east India for biodiesel production	D. Deka	9.25	UGC	2011-2014, 3 years

3	Synthesis of platform biofuels from Renewable sources using acid modified supported ionic liquid catalysts – 03 years	D. Deka	34.61	DST (Indo-Finland) (International)	2011-2014, 3 years
4	Utilization of Bio-energy By-product for value addition and nutrient enhancement	D.C. Baruah	4.39	EPSRC-UK	2012-13 2 years
5	Agro-Climatic Zone Based Mapping of Renewable Energy Resources in Assam	D. C. Baruah	18.0	DST	2008-11 3 years
Total			111.04		

8. Food Engineering & Technology (Ongoing: 15)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Period and duration
1	Studies on functional properties of the dominant microflora found in rice beer of Assam [File No. 97/MFPI/R&D/ 2012 dated 18Feb-2013]	S. C. Deka	46.02	MoFPI, New Delhi	2013-15
2	Studies on development of cereal based functional breakfast food from the underutilized crops of North-East India	S. C. Deka	29.024	DST, MoST, GoI	2013-15
3	Generation of a standardized technology for production of rice wine from rice varieties of northeast India	S. C. Deka	3.5	ASTEC Guwahati, Assam	2013-15
4	Quality improvement of a traditional probiotic beverage of North-East India as combat food	S. C. Deka	18.3	DRDO, New Delhi	2013-16
5	Development of value added food products from leaf protein concentrate of green leafy vegetables of Assam	S. C. Deka	21.55978	DST, MoST, GoI	2015-17
6	Development of continuous wet cum dry grinder for grinding waxy rice for use in the state of Assam	C. L. Mahanta	CFTRI (27.28) TU (15.12)	DST	Feb, 2013 June, 2015
7	Characterisation of technofunctional and biofunctional properties of napin protein hydrolysates of rapeseed meal	C. L. Mahanta	5.0	DRL, Tezpur	Nov, 2013 - Nov, 2015
8	Comparative metagenome of human gut of North and North-eastern region of India	R K Duary	64.70	DBT	2014-17;
9	Encapsulation and controlled delivery of herbal extracts in dairy food matrix using cow milk protein against in vitro simulated inflammatory cell line models	R K Duary	19.70	SERB, DST	2014-17;
10	Osmotic dehydration and Microwave vacuum drying of <i>Kachal</i> Banana	Dr. K. K. Dash	20.8	MoFPI	Dec 2012- June 2015
11	Production of natural antioxidant enriched sandesh using single screw extruder	K. K. Dash	8.0	MSME	Jan 2014-Jan 2015
12	Pilot Scale Process Technology for 'Bhim Kol' (Musa Balbisiana) Slice, Grits and Powder Using Hybrid Drying Methods	B. Srivastava M. K. Hazarika	36.50	DST-MoFPI	2013-2015
13	Studies on development of cereal based functional breakfast	Amit Baran Das	29.024	MOFPI	31/04/13 - 31/04/15

	food from the underutilized crops of North-East India				
14	Development of technology for quick cooking rice production through up gradation of a traditional method	M. K. Hazarika	16.50	AICTE	2014 – 2017
15	Development and fabrication of small capacity paddy parboiling system with process completion indicator (2 years)	M. K. Hazarika	5.50	MSME	2014 – 2016
Total			351.40778		

(Completed: 12)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Studies on pesticide residues in major commercial vegetables of Assam	S. C. Deka	10.40	UGC	2009-12
2	Preparation, demonstration and popularization of various food products from locally available post harvest food materials for welfare of rural population of Sonitpur district of Assam	S. C. Deka	7.22	DBT	2009-12
3	Effect of processing on biochemical compositions and production of resistant starch (RS), nutraceuticals and value added products from culinary banana (Musa ABB) "Kachkal" of Northeast India	S. C. Deka	14.53	DRDO, New Delhi	2010-13
4	Quality Improvement of Traditional Method of Rice Beer Production by the Tribal People of Northeast India	S. C. Deka	78.68534	MoFPI, New Delhi	2010-12
5	Value addition and popularization of under variety of Indian gooseberry with maximum possible retention of polyphenols and antioxidants and development of new Indian gooseberry products	Poonam Mishra	2.0	UGC	2011-2013
6	Development of enzyme based extraction process for improving quality and recovery of starch from different varieties of Colocasia esculenta (Arbi) of Assam for food use	N. Sit	27.26	MoFPI, New Delhi	2012-2015
7	Processing and packaging of various edible bamboo shoot species growing in different agro-ecological regions of Assam	L.S. Badwaik	11.54	UGC, New Delhi	3 Years (2011-2014)
8	Development of ready to reconstitute misti dahi powder	D. K. Seth	15.97	MoFPI	2012-2015
9	Antioxidant capacities of variously processed fruits and	C. L. Mahanta	11. 03	UGC	17-06-2010 –

	vegetables of Assam				16-6-2013
10	Development of health promoting extruded RTE breakfast cereal incorporating chokua rice and bhimkol banana of Assam along with carambola pomace	C. L. Mahanta	40.32	MoFPI, New Delhi	05-04-2011 to 04-04-2013
11	Characterization of starch properties in traditional rice products of Assam and development of a small scale processing unit for the products	C. L. Mahanta	23.76	DST	22-08-2011 to 21-02-2014
12	Design and development of Vacuum Frying System for the production of healthy snack products	C. L. Mahanta	CFTRI (24.96) TU(10.00)	DST	7-11-2012-6-11-2014
Total			241.69		

9. Mechanical Engineering (06)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Period and duration
1.	Design development and testing of a green fuel power energy efficient vehicle	P. P. Dutta	6.25	MSME	2015-16 (2 yrs)
2.	Development of an Innovative Model of Combined Heat and Power from Purely Producer Gas Based Engine Alternator System for Partial Conventional Energy Substitution of Tea Processing Industries in North East India	P. P. Dutta	18.45	DST SERB	2012-15 (3 Yrs)
3.	Characterization of producer gas generated from different locally available woody and non woody biomass through gasification by using Gas Chromatograph analysis and their potential application as renewable energy to supplement thermal energy requirement for tea processing industries in Assam.	P. P. Dutta	14. 908	UGC	2012-15 (3 Years)
4.	Fabrication of Calcium carbonate based polymeric composite and optimization of injection molding parameters.	S. Kashyap	24.30	DST-SERB	2013-16 (3 Yrs)
5.	Processing and Mechanical Property Evaluation of Micro alloyed 2219 Al Alloys	S. Banerjee	18.38	DST	2013-16 (3 Years)
6.	Study of performance, combustion and emission characteristics of a turbocharged diesel engine fuelled with indigenous tree seed based biodiesel available in North-Eastern region of India.	T. K. Gogoi	33.59893	DST	2013-15 (till 31/3/2015)
Total			115.88693		

10. Electronics & Communication Engineering and Electrical Engineering (Ongoing: 08)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Portable Peripheral Nerve Testing Instrument	M. Bhuyan	5.90	MSME	2014-16 2 years
2	Hardware Based Field Type E-Nose for Flavor Detection of Tea using MOS Gas Sensors	M. Bhuyan	33.30	DST	2012-15 3 years
3	Automated Flushing of Public Toilets	M. Bhuyan	1.78	ASTEC, Assam	2014-16 2 years
*4	Microwave Technology based Tea Processing System for NE states	S. Bhattacharyya (Co-PI)	Sl. No. 5 (Dept. of Physics)	SAMEER, Mumbai	2013-15 2 years
5	Studies of Ferromagnetic Resonance in Spinal Ferite and Granets for High Power Circulators	S. Bhattacharyya (Co-PI)	32.37	DRNS-DAE	2014-17 3 years
6	Design and Development of Compressed Sensing Based Image Reconstruction Prototype Hardware Architecture for Medical Imaging Applications	B. Deka	15.08	DST-SERB	2012-15 3 years
7	Design and Development of Compressed Sensing Based Image Reconstruction Techniques for Medical Imaging	B. Deka	12.25	UGC	2012-15 3 years
8	To Study the Impact and Compensation of Process-Induced Variations in Junction-less Transistors for Improved Reliability	R. K. Baruah	13.62	DST	2013-16 3 years
9	Design of Ultra Low Power FHSS Transceiver for Wireless Communication Applications	A. C. Baishya	29.50	Space Application Center, ISRO	2014-16 2 years
Total			143.8		

*Joint with Physics

School of Management Sciences

11. Business Administration (Ongoing: 04)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1.	Social Media as an Influencer Among Foreign Tourist Visiting India	C. Goswami	1	IITTM	Jan, 2015 1 year
2.	The evaluation study on Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) in the districts under the Autonomous Council of NE States in Assam, Meghalaya and Tripura	S. S. Sarkar and P. Baruah	26	Planning Commission, Government of India.	Mar, 2013 3 years
3.	Entrepreneurship Development Incentives	S. S. Sarkar	5.9	AICTE	Mar, 2013 3 yr
4.	Commercialisation of Traditional Crafts in Post-Independent Assam: A Study on Select Items	M. K. Sarma	5	ICSSR	Aug, 2015, 18 m
Total			37.9		

(Completed: 05)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Microfinance and economic lives of tribals : A study in Udalguri District	D. Das	2.50	M/O Tribal Affairs	Mar 2010- Mar 2012,
2	Authentic Characteristics of Diverse Hand Woven Textiles of Assam and Strategies for their Exploitation through Touristic Demand	M. K. Sarma	1.20	AICTE	Mar 2009- Mar 2012
3	Financial inclusion in Assam : Achievements and hindrances	D. Das	5.19	ICSSR	Mar 2010- July 2014
4	Empowerment of SC/ST women through SHGs in Assam	D. Das	2.50	NECRD-IGNOU	Mar 2010- June 2013
5	Impact Assessment of Microfinance Programme in Sonitpur District of Assam	Arup Roy	1.40	UGC	Jul 2012- Dec 2013 18 months
Total			12.79		

School of Humanities and Social Sciences

12. Cultural Studies (Ongoing: 03)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Period and duration
1	The Vaishnava Music of Assam in the Performative Context	Pradip Jyoti Mahanta	41	UGC	Mar 2011 - Mar 2016
2	Philosophy in Performance: A Study of Bhakti Expressive Forms in Assam	Pradip Jyoti Mahanta	5	ICPR	2011 - 14
3	Emerging Media and The Public Sphere : A Study with Reference to Assam	Jayanta Vishnu Das	1	UGC	2013 - 14
Total			47		

(Completed: 01)

Sl. No	Project Title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Duration
1	Study on Preparation -Preservation and Nutritional Aspects of Indigenous Foods of some selected Ethnic Groups of Assam	Juri Gogoi Konwar	4.88	ICSSR	2010 - 2013
Total			4.88		

13. English & Foreign Language (Ongoing: 02)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Indian Languages Corpora Initiatives Phase II	Madhumita Barbora	5.21	Dept. of Electronics & IT	Mar 2012-Sept 2015
2	Digital Languages Preservation	Madhumita Barbora	61.53	Dept. of Electronics & IT	2013-2016
Total			66.74		

(Completed: 02)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Travel Writing, Life Writing, and Language Neighbourhoods	B. K. Danta	32	UGC	2009-14
2	Language Contact and Convergence: Study of Bugun (Khowa) of West Kameng District of Arunachal Pradesh	M. Barbora	5.21	ICSSR	2011-14
Total			37.21		

14. Sociology (Ongoing: 04)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Land Identity and Development in Nagaland	Kedilezo Kikhi	15	ICSSR	2014-15 2 yrs
2	Gender and Mental Health in Assam: A study on Magnitude, Causes and Impact of Mental Illness on women	Kedilezo Kikhi	12.75	ICMR	2014-15 1 yr
3	Class, Caste and Commons- A study of Nagaon District of Assam	Sarmistha Das	5.5	ICSSR	2014-15 2 yr
4	Primary Health Care System and Inclusive Development in North East India: A Situation Analysis of Primary Health Centres in Assam	Sumesh S S	10.69	UGC	2013-15 2.5 years
Total			43.94		

(Completed: 05)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	Status Report on Children and Women in the Tea Gardens of ATCL, Assam	K. Kikhi & Amiya K. Das	5.89	UNICEF	2013-14 1 year
2	A Micro Study of Media of Instruction and Languages Taught in the Schools of Assam	Nirmali Goswami	1.3	UGC	2013-14 2 years
3	Ethnography of the Electoral Process: A Micro-level Study in Northeast India.	M.N. Karna & Amiya K. Das	0.40	ICSSR NERC	2011 1 Year
4	Sociological Study of the Panchayat Elections and local level politics: A Micro-level Study in North-east India	Amiya K. Das	0.60	ICSSR NERC	2012 1 Year
5	Sociological study of the Electoral Politics: A Micro-level Study in Northeast India.	Amiya K. Das	0.59	ICSSR NERC	2013 1 year
Total			8.78		

15. Mass Communication & Journalism (Ongoing: 02)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Training of Trainers Workshop on Participatory Communication with special focus on RI	S. K. Dutta & J. Chakraborty	5.76	UNICEF	01 Feb – 30 Apr, 2015 3 months
2	Process Re-engineering and Change Management in E-governance	Uttam Kr Pegu	0.9	TU	Since July 2012
Total			6.66		

(Completed: 08)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1	An assessment of status of awareness about consumer Protection and Consumer welfare schemes among academics and students of professional courses in higher education in the state of Assam	Abhijit Bora	2.31	IIPA, New Delhi	2010 – 11
2	Tune in to Kids	Joya Chakraborty & Anjuman Borah	2.72	UNICEF	March 2011 – Feb 2012
3	Participatory Media: Learning to Listen to the Unheard Voices	Joya Chakraborty & Anjuman Borah	5.48	UNICEF	Sep – Nov 2012
4	Participatory Audio Video Experiment in Pedagogy and Practice	Joya Chakraborty & Anjuman Borah	9.85	UNICEF	June – Dec 2013
5	Green Job Potential in Forestry Sector of Northeast India	Uttam K. Pegu	1.5	ILO	2013- 5 Feb 2014
6	Minor Research Project Entitled “Effects of Mobile phone uses in Households-A Case Study in the Sonitpur District of Assam.	Kapou Malakar	1.10	UGC	18 Months, March 2013 – Sep 2014
7	C4D Curriculum Development Project	S. K. Dutta & Joya Chakraborty	3.28	UNICEF	6 months July – Dec 2014
8	Memory,	Hemjyoti Medhi &	5	The Sephis	

	Movement and Mahila Samiti in Assam	P. Anbarasan		Programme Int. Institute of Social History, The Netherlands	
Total			31.24		

Centres and Cells

16. Centre for Innovation Incubation and Entrepreneurship (Ongoing: 01)

Sl. No	Project Title	PI	Amount sanctioned (₹ In lakhs)	Funding Agency	Period and duration
1	Low cost and user friendly portable Lift for home – for elderly person and patient	U. K. Bharali Visiting Director	6.25	MSME	2 years
Total			6.25		

17. Centre for Inclusive Development (Ongoing: 01)

Sl. No.	Project title	PI/Supervisor	Amount sanctioned (₹ In lakhs)	Funding Agency	Duration
1.	Gender and Mental Health in Assam: A Study on Magnitude, Cause and Impact of mental Illness on Women	*Supervisor: Nandarani Choudhury	Sl. No. 2 (Sociology)	ICMR	March, 2014 - March, 2015
2.	Developing Child Friendly Model Panchaats in three Gram Panchyats of Balipara Block of Sunitpur District in Assam	Supervisor: Nandarani Choudhury	16.5	UNICEF	May -December, 2014
Total			16.5		

**joint project with Dept. of Sociology*

18. ONGC- Centre for Petroleum Biotechnology (Ongoing: 04)

Sl. No.	Project title	PI	Amount sanctioned (₹In lakhs)	Funding Agency	Duration
1.	Proteomics study of aromatic hydrocarbons degradation enzymes of some selected bacterial strains prospecting strategies for environmental bioremediation.	A. K. Mukherjee	7.06	ONGC(L)	2014-16
2.	Development of hystoremedia- tion protocol for bioremediation of crude oil contamination.	T. Medhi	5.00	ONGC(L)	2014-16
3.	Spatial distribution and source apportionment of PAHs in drinking water and soil of surrounding areas of Borhola oilfields of Jorhat.	K. P. Sarma	6.35	ONGC-CPBT	2011
4.	Bioremediation of Crude Oil Contaminated Soil.	B. K. Konwar	70.03	ONGC(L)	2009-14
Total			88.44		

Interdepartmental / interdisciplinary research projects

Sl. No.	Department	Title	Grant sanctioned (₹ In lakhs)	Collaborating Department
1.	Environmental Science	Soil-plant atmosphere study in relation to Net CO ₂ flux from terrestrial ecosystem of Assam	54.8988	Physics
2.	Energy	Production of biochar from various bio-wastes and its soil application for sustainable soil management and mitigation of GHG emission	12.958	Environmental Science
3.	Energy	Instrumented solar hot air generator (ISHAG) for optimum thermal load in tea processing	28.548	Electronics & Communication Engg.
4.	Chemical Science	Hyperbranched Epoxy Nanohybrides Immobilized Natural Biocide for Advanced Marine Coatings	38.312	Physics
5.	Chemical Science	Polymer supported green nano particles: Using plants of North East India; Studies on Toxicity and anticancer property	58.81 (TU-33.46)	Environmental Science
6.	Physics	Microwave Technology based Tea Processing Systems for NE States	55.20 (TU-14.84)	Electronics & Communication Engg.
7.	Physics	Studies of ferromagnetic resonance in spinel ferrite & garnets for high power circulators'	32.3775	Electronics & Communication Engineering
8.	Physics	Development of nanomaterial based dual mode contrast agent and their surface mediated conjugation study from first principles	122.25 (TU-110.20)	Molecular Biology & Biotechnology
9.	Mechanical Engineering	Characterization of producer gas generated from different locally available woody and non woody biomass through gasification by using gas chromatograph analysis and their potential application as renewable energy to supplement thermal energy requirement	14.908	Energy
10.	Molecular Biology & Biotechnology	Understanding causes of codon usage bias in organisms	26.36 (TU-15.50) completed	Computer Science & Engineering
11.	Molecular Biology & Biotechnology	Development of phytoremedia-tion protocol for bioremedia-tion of crude oil contamination	5.00	Environmental Science

12.	Food Engineering & Technology	Comparative metagenome of human gut of North and North-eastern region of India	64.15 (TU-45.05)	Molecular Biology & Biotechnology
13.	Molecular Biology & Biotechnology	Protein folding kinetics is a selection force on shaping codon usage bias in the high expression genes	42.32 (TU-24.72)	Computer Science & Engineering
14.	Molecular Biology & Biotechnology	Towards identification isolation and characterization of Exobasidium vexans strains and their pathogenic determinants/ effectors form Blister blight infested tea plantations of Assam and development of future road-map for effective management practices	90.27 (TU-52.46)	Physics

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**Updated list to be provided as additional annexures*

INDEXING ABBREVIATIONS

1. Corresponding author is indicated by subscript c
2. Abbreviations used to indicate the type of journal are as follows:
 - A:** If journal is indexed in SCI
 - B:** If indexed in Thomas Reuters
 - C:** If indexed in Google Scholars
 - D:** indexed in Dblp.
 - E:** indexed in Scopus, etc.
 - P:** indexed in peer-reviewed
 - N:** not-peer- reviewed
3. Whenever publication month is known, it is mentioned as 1, 2, 3, etc.

Faculty Publication List

School of Sciences

Department: Chemical Sciences

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
1.	Bhattacharjee, D & Mishra, B K & Chakrabartty, A K & Deka, ^c R C	Catalytic Activity of Anionic Au-Ag Dimer for Nitric Oxide Oxidation: A DFT Study	New Journal of Chemistry, <i>Royal Society of Chemistry</i>	E	39 (2015) 2209-2216	3.01	1
2.	Bharali, D & Devi, R & Bharali, P & Deka ^c R C	Synthesis of high surface area mixed metal oxide from the NiMgAl LDH precursor for nitro-aldol condensation reaction	New Journal of Chemistry, <i>Royal Society of Chemistry</i>	E	39 (2015) 172-178	3.01	-
3.	Bhattacharjee, D & Mishra, B K & Deka, ^c R C	Theoretical insight on atmospheric chemistry of HFE-365mcf3: reactions with OH radicals, atmospheric lifetime, and fate of alkoxy radicals (CF ₃ CF ₂ CH(O [•])OCH ₃ /CF ₃ CF ₂ CH ₂ OCH ₂ O [•])	Journal of Molecular Modeling, <i>Springer</i>	E	21 (2015) 1-8.	1.87	-
4.	Mishra, B K & Deka, ^c R C	A Theoretical Investigation on Kinetics, Mechanism and Thermochemistry of the Gas-phase Reactions of Methyl Fluoroacetate with OH Radicals and Fate of Alkoxy Radical	Journal of Physical Chemistry A, <i>American Chemical Society</i>	E	118 (2014) 8779-8786	2.73	2
5.	Mishra, B K & Lily, M & Chandra, A K & Deka, ^c R C	Theoretical studies on atmospheric chemistry of HFE-347mcc3: reactions with OH radicals and Cl atoms	Journal of Physical Organic Chemistry, <i>John Wiley and Sons Ltd</i>	E	27 (2014) 811-817	1.29	1
6.	Gour, N K & Deka, ^c R C & Singh, H J & & Mishra, B K	Theoretical study on the gas-phase reactions of ethyl butyrate with OH radicals at 298 K	Monatshefte für Chemie-Chemical	E	145 (2014) 1759-1767	1.34	-

			Monthly, <i>Springer</i>				
7.	Mishra, B K & Chakrabartty, A K & Deka, ^c R C	A computational perspective on the kinetics and thermochemistry of the gas phase reactions of 1, 1-Dichlorodimethylether (DCDME) with OH radical at 298 K	Molecular physics, <i>Taylor and Francis Ltd.</i>	E	112 (2014) 1512-1519	1.52	1
8.	Dutta, K & Deka, ^c R C & Das, D K	New fluorescent and electrochemical Zn ²⁺ ion sensor based on Schiff base derived from benzil and L-tryptophan	Spectrochimica Acta, Part A, <i>Elsevier</i>	E	124 (2014) 124-129.	2.115	2
9.	Bhattacharjee, D & Mishra, B K & Chakrabartty, A K & Deka, ^c R C	DFT and QTAIM studies on structure and stability of beryllium doped gold clusters	Computational and Theoretical Chemistry, <i>Elsevier</i>	E	1034 (2014)61-72	1.33	3
10.	Gour, N K & Deka, ^c R C & Singh, H J & Mishra, B K	A computational perspective on mechanism and kinetics of the reactions of CF ₃ C(O)OCH ₂ CF ₃ with OH radicals and Cl atoms at 298 K	Journal of Fluorine Chemistry, <i>Elsevier</i>	E	160 (2014) 64-71.	2.01	8
11.	Deka, ^c R C & Mishra, B K	A Theoretical Investigation on the Kinetics, Mechanism and Thermochemistry of Gas-phase Reactions of Methyl Acetate with Chlorine Atoms at 298 K	Chemical Physics Letter, <i>Elsevier</i>	E	595 (2014) 43-67	1.93	8
12.	Mishra, B K & Lily, M & Chakrabartty, A K & Deka, ^c R C & Chandra, A K	A DFT Study on Kinetics of the Gas Phase Reactions of CH ₃ CH ₂ OCF ₃ with OH radicals and Cl atoms	Journal of Fluorine Chemistry, <i>Elsevier</i>	E	159 (2014) 57-64	2.01	8
13.	Saikia, N & Deka, ^c R C	Density Functional Studies on Noncovalent Functionalization of Pyrazinamide Chemotherapeutic with Graphene and its Prototypes	New Journal of Chemistry, <i>Royal Society of chemistry</i>	E	38 (2014) 1116-1128	3.01	1
14.	Deka, ^c R C & Bhattacharjee, D & Chakrabartty, A K & Mishra, B K	Catalytic oxidation of NO by Au ₂ ⁻ dimmers: A DFT Study	RSC Advances, <i>Royal Society of Chemistry</i>	E	4 (2014) 5399-5404.	3.76	3
15.	Bhattacharjee, D & Mishra, B K & Deka, ^c R C	A DFT study on structure, stabilities and electronic properties of double Magnesium	RSC Advances, <i>Royal Society of</i>	E	4 (2014), 56571-56581	3.76	-

		doped Gold clusters	<i>Chemistry</i>				
16.	Mishra, B K & Chakrabartty, A K & Deka, ^c R C	A Theoretical Investigation on the Kinetics and Reactivity of the Gas-phase Reactions of Ethyl Chlorodifluoroacetate with OH radical and Cl atom at 298 K	Structural chemistry, Springer	E	25 (2014) 463-470	1.57	7
17.	Rajkhowa, S & Deka, ^c R C	DFT based QSAR/QSPR models in the development of novel anti-tuberculosis drugs targeting Mycobacterium tuberculosis	Current Pharmaceutical Design, Bentham Science Publishers B.V.	E	20 (2014) 4455-4473	3.40	1
18.	Baishya, S & Deka, ^c R C	Catalytic Activities of Au ₆ , Au ₆ ⁻ , and Au ₆ ⁺ Clusters for CO oxidation: A density functional study	International Journal of Quantum Chemistry, John Wiley and Sons Inc	E	114 (2014) 1559–1566	1.12	1
19.	Deka, ^c R C & Mishra, B K	Theoretical studies on kinetics, mechanism and thermochemistry of gas-phase reactions of HFE-449mec-f with OH radicals and Cl atom	Journal of Molecular Graphics and Modelling, Elsevier	E	53 (2014) 23-30	2.12	2
20.	Devi, S & Borah, R & Deka, ^c R C	Investigation of Structural Change and Basicity of NaY Zeolite upon Loading KF and Their Application in Henry Nitroaldol Reaction Under Microwave Irradiation Condition	Catalysis Letters, Springer	E	144 (2014) 1751-1758	2.13	-
21.	Gour, N & Deka, ^c R C & Singh, H J & Mishra, B K	Theoretical studies on kinetics, mechanism and thermochemistry of gas-phase reactions of CF ₃ CHFCF ₂ OCF ₃ with OH radicals and Cl atoms and fate of alkoxy radical at 298 K	Journal of Fluorine Chemistry, Elsevier	E	166 (2014) 110-116	2.01	-
22.	Bania, K K & Karunakar, G V & Sarma, B & Deka, ^c R C	Effect of Nano-Space Confinement on Catalytic Activity and Stability of a Chiral Schiff Base Complex: A Combined Experimental and Theoretical Study	ChemPlusChem, Wiley-VCH Verlag	E	79 (2014) 427-438	1.57	1
23.	Deka, P & Deka, ^c R C & Bharali, P	In-situ generated copper nanoparticle catalyzed reduction of 4nitrophenol,	New Journal of Chemistry,	E	38 (2014) 1789-1793	3.01	9

			<i>Royal Society of chemistry</i>				
24.	Saikia, S & Deka, ^c R C	Adsorption of isoniazid and pyrazinamide drug molecules onto nitrogen doped single-wall carbon nanotubes: an <i>ab initio</i> study	Structural Chemistry, Springer	E	25 (2014) 593-605	1.57	1
25.	Mishra, B K & Lily, M & Chakrabarty, A K & Bhattacharjee, D & Deka, ^c R C & Chandra, A K	Theoretical Investigation on Atmospheric Chemistry of Volatile Anaesthetic Sevoflurane: Reactions with the OH Radicals and Atmospheric Fate of the Alkoxy Radical (CF ₃) ₂ CHOCHFO: Thermal Decomposition vs Oxidation	New Journal of Chemistry, Royal Society of chemistry	E	38 (2014) 2813-2822.	3.01	8
26.	Saikia, S & Deka, ^c R C & Jha, A N	Molecular dynamics study on graphene mediated pyrazinamide drug delivery onto pncA protein	RSC Advances, Royal Society of Chemistry	E	4 (2014) 24944-24954.	3.76	-
27.	Begum, P & Bhattacharjee, D & Mishra, B K. & Deka, ^c R C	Density Functional Study on Structures, Stabilities and Electronic Properties of Size-Selected Pd _n Si ^q (n=1-7 and q=0,+1,-1) Clusters	Theoretical Chemistry Accounts, Springer	E	133 (2014) 1418.	1.68	-
28.	Mishra, B K & Chakrabarty, A K & Bhattacharjee, D & Deka, ^c R C	Theoretical Investigation on Unimolecular Decomposition of Malonic Acid: A Potential Sink for Ketene	RSC Advances, Royal Society of Chemistry	E	4 (2014) 38034-38039	3.76	2
29.	Mishra, B K & Lily, M & Deka, ^c R & Chandra, A K	Theoretical investigation on gas-phase reaction of CF ₃ CH ₂ OCH ₃ with OH radicals and fate of alkoxy radicals (CF ₃ CH(O)OCH ₃ /CF ₃ CH ₂ OCH ₂ O)	Journal of Molecular Graphics and Modelling, Elsevier	E	50 (2014) 90-99	2.12	7
30.	Mandal, M & Nagaraju, V & Sarma, B & Karunakar, G V & Bania ^c , K K	Enantoselective Epoxidation of Styrene by MCM-41 Immobilized Mn-Schiff Base Complexes	ChemPlusChem, Willey	C	80, 4, 749–761, 4, 2015,	3.242	1
31.	Bania ^c , K K & Karunakar, G V & Satyanarayana, L	Oxidative coupling of 2-naphthol to (R)/(S)-BINOL by MCM-41 supported Mn-chiral Schiff base complexes,	RSC Advances, RSC	C	5, 42, 33185-33198, 3, 2015	3.708	-
32.	Pramanik, S & Gopalakrishnan, R &	Montmorillonite immobilized Curcuma aromatic/ Zanthoxylum limonella oil	Appl. Clay Sci. Elsevier	E	109–110 33–38	2.703	-

	Barua, N & Buragohain, AK & Karak ^C , N	nanoconjugate as a green antibacterial and biocompatible material with mosquito repellent attributes			2015		
33.	Das, B & Chattapadhyay, P & Maji, S & Upadhyay A & Purkayastha, M & Mohanta, C. & Maity, T & Karak ^C , N	Bio-functionalized MWCNT/ hyperbranched polyurethane bionanocomposite for bone regeneration	Biomed. Mater. <i>IOP science</i>	E	10, 025011(16p) 2015	2.922	-
34.	Gogoi, S & Barua, S & Karak ^C , N	Cross-linking kinetics of hyperbranched epoxy cured hyperbranched polyurethane and optimization of reaction conversion by central composite design	Chem. Eng. Sci. <i>Elsevier</i>	E	127 230–238 2015	2.613	-
35.	Thakur, S & Karak ^C , N	A tough smart elastomeric bio-based hyperbranched polyurethane nanocomposite	New J. Chem. <i>RSC</i>	E	39 2146 – 2154 2015	3.159	-
36.	Thakur, S & Karak ^C , N	Self-healable castor oil based tough smart hyperbranched polyurethane nanocomposite with antimicrobial attribute	RSC Adv. <i>RSC</i>	E	5 2167-2176 2015	3.708	-
37.	De, B & Voit, B & Karak ^C , N	Carbon dot reduced Cu ₂ O nanohybrid/hyperbranched epoxy nanocomposite: Mechanical, thermal and photocatalytic activity	RSC Adv. <i>RSC</i>	E	4 58453–58459 2014	3.708	-
38.	Pramanik, S & Hazarika, J & Kumar, A & Aidew, L & Buragohain, AK & Karak ^C , N	Green Silver Nanoparticles Decorated Multiwalled Carbon Nanotube- A Precursor for Fabrication of Multifunctional Biobased Sustainable Nanocomposites	ACS Sustainable Chem. Eng. <i>ACS</i>	E	2 2510–2518 2014	--	-
39.	Gupta, K & Barua, S & Hazarika, SN & Manhar, AK & Nath, D & Karak, N & Namsa, ND & Mukhopadhyay, R. & Kalia, V & Mandal ^C , M	Green silver nanoparticles: enhanced antimicrobial and antibiofilm activity with effects on DNA replication and cell cytotoxicity	RSC Adv. <i>RSC</i>	E	4 52845-52855 2014	3.708	3
40.	Barua, S & Chattopadhyay, P &	Biocompatible hyperbranched epoxy/silver-reduced graphene oxide-curcumin	RSC Adv. <i>RSC</i>	E	4 47797–	3.708	-

	Phukan, M & Konwar, B & Islam, J & Karak ^C , N	nanocomposite as an advanced antimicrobial material,			47805 2014		
41.	Barua, S & Chattopadhyay, P & Phukan, M & Konwar, B & Karak ^C , N	Hyperbranched epoxy/MWCNT-CuO-nystatin nanocomposite as a high performance, biocompatible, antimicrobial material	Mater. Res. Express <i>IOP science</i>	E	1 045402 2014	--	2
42.	Thakur, S & Karak ^C , N	Multi-stimuli responsive smart elastomeric hyperbranched polyurethane/ reduced graphene oxide nanocomposites	J. Mater. Chem. A <i>RSC</i>	E	2 14867-14875 2014	--	3
43.	Das, B & Chattapadhyay P & Upadhyay, A & Gupta, K & Mandal, M & Karak ^C , N	Biophysico-chemical interfacial attributes of Fe ₃ O ₄ decorated MWCNT nanohybrid/ bio-based hyperbranched polyurethane nanocomposite: An antibacterial wound healing material with controlled drug release potential	New J. Chem. <i>RSC</i>	E	38 4300-4311 2014	3.159	2
45.	Gogoi, S & Barua, S & Karak ^C , N	Biodegradable and thermostable synthetic hyperbranched poly(urethane-urea)s as advanced surface coating materials	Prog. Org. Coat. <i>Elsevier</i>	E	77 1418–1427 2014	2.302	3
46.	Thakur, S & Karak ^C , N	Ultratough ductile castor oil based hyperbranched polyurethane nanocomposites using functionalized reduced graphene oxide	ACS Sustainable Chem. Eng. <i>ACS</i>	E	2 1195–1202 2014	--	1
47.	Thakur, S & Karak ^C , N	One-step approach to prepare magnetic iron oxide/reduced graphene oxide nanohybrid for efficient organic and inorganic pollutants removal	Mater. Chem. Phys. <i>Elsevier</i>	A	144 425-432 2014	2.129	5
48.	Das, G & Kalita, RD & Gogoi, P & Buragohain, A K & Karak ^C , N	Antibacterial activities of copper nanoparticles decorated organically modified montmorillonite/epoxy nanocomposites	Appl. Clay Sci. <i>Elsevier</i>	A	90 18-26 2014	2.703	-
49.	De, B. & Karak ^C , N	Tough hyperbranched epoxy / poly(amido-amine) modified bentonite thermosetting nanocomposites	J. Appl. Polym. Sci. <i>Wiley</i>	A	131 40327(pp8) 2014	1.600	1
50.	Barua, S & Thakur, S & Karak ^C , N	One step preparation of biocompatible, antimicrobial reduced graphene oxide-silver nanohybrid as a topical antimicrobial agent	RSC Adv. <i>RSC</i>	A	4 9777-9783 2014	3.708	10
51.	Kalita, H & Karak ^C , N	Hyperbranched polyurethane/ triethanolamine functionalized multi-walled carbon nanotube	Polym. Int. <i>Wiley</i>	A	63 1295–1302	2.247	2

		nanocomposites as remote induced smart materials			2014		
52.	Barua, S & Dutta, N & Karmakar, S & Chattopadhyay, P & Aidew, L & Buragohain, A K & Karak ^C , N	Biocompatible high performance hyperbranched epoxy/clay nanocomposite as an implantable material	Biomed. Mater. <i>IOP science</i>	A	9 025006 (14pp) 2014	2.922	5
53.	Pramanik, S & Konwarh, R & Barua, N & Buragohain, A K & Karak ^C , N	Bio-based hyperbranched poly(ester amide)/MWCNT nanocomposites: multimodalities at biointerface	Biomater. Sci. <i>RSC</i>	A	2 192-202 2014	--	5
54.	Konwarh, R & Shail, M & Medhi, T & Mandal M & Karak ^C , N	Sonication assisted assemblage of exotic polymer supported nanostructured bio-hybrid system and prospective application	Ultrasonics Sonochem. <i>Elsevier</i>	A	21 634-642 2014	3.816	-
55.	Pramanik, S & Bharali, P & Konwar, B K & Karak ^C , N	Antimicrobial hyperbranched poly(ester amide)/polyaniline nanofiber modified montmorillonite nanocomposites	Mater. Sci. Eng. C <i>Elsevier</i>	A	35 61-69 2014	2.736	3
56.	Kalita, H & Karak ^C , N	Bio-based hyperbranched shape memory polyurethanes: effect of different vegetable oils	J. Appl. Polym. Sci. <i>Willey</i>	A	131 39579 2014	1.600	2
57.	Das, G & Kakati, N & Lee, S H & Karak ^C , N & Yoon, Y S	Water soluble sodium sulfate nanorods as a versatile template for the designing of copper sulfide nanotubes	J. Nanosci. Nanotechnol. <i>ASP</i>	A	14 4455-4461 2014	1.339	-
58.	Kalita, H & Karak ^C , N	Bio-based hyperbranched thermosetting polyurethane/triethanolamine functionalized multi-walled carbon nanotube nanocomposites as shape memory materials	J. Nanosci. Nanotechnol. <i>ASP</i>	A	14 5435-5442 2014	1.339	3
59.	Kalita, H & Karak ^C , N	Bio-based hyperbranched polyurethane/multi-walled carbon nanotube nanocomposites as shape memory materials	Polym. Compos. <i>Willey</i>	A	35 636-643 2014	1.455	2
60.	Roy, B & Bharali, P & Konwar, BK & Karak ^C , N	Modified hyperbranched epoxy/clay nanocomposites: a study on thermal property, antimicrobial and biodegradation	Int. J. Mater. Res.	A	105 296-307 2014	0.68	3
61.	De, B & Gupta, K & Mandal, M & Karak ^C , N	Bio-degradable hyperbranched epoxy from castor oil based hyperbranched polyester polyol	ACS Sustainable Chem. Eng.	A	2 445-453	--	3

			ACS		2014		
62.	De, B & Karak ^C , N	A room temperature cured low dielectric hyperbranched epoxy adhesive with high mechanical strength	J. Chem. Sci. Springer	A	126 587-595 2014	1.224	1
63.	Gogoi, S & Karak ^C , N	Biobased Biodegradable Waterborne Hyperbranched Polyurethane as an Ecofriendly Sustainable Material	ACS Sustainable Chem. Eng. ACS	A	2 (12), 2730-2738 2014	--	1
64.	Gogoi, S R & Baruah, J J & Sengupta, G & Saikia, G & Ahmed, K & Bania, K K & Islam, N S ^C	Peroxonitobium(V)-catalyzed selective oxidation of sulfides with hydrogen peroxide in water: a sustainable approach	Catalysis science & technology (Royal Society of Chemistry)	P	5, 1, 595-610, 2015	4.76	-
65.	Gogoi, P & Boruah, R & Dolui, S K ^C	Jatropha curcas oil based alkyd/epoxy/graphene oxide (GO) bionanocomposites: Effect of GO on curing, mechanical and thermal properties	Progress in Organic Coatings (Elsevier)	D	84 128-135, 2015	2.57	-
66.	Assanvo, E F & Gogoi, P & Dolui, S K ^C & Baruah, S D	Synthesis, characterization, and performance characteristics of alkyd resins based on Ricinodendron heudelotii oil and their blending with epoxy resins	Industrial Crops and Products (Elsevier)	A	65 293-302 2015	3.5	-
67.	Gogoi, P & Saikia, B J & Dolui, S K ^C	Effects of Nickel Oxide (NiO) nanoparticles on the performance characteristics of the jatropha oil based alkyd and epoxy blends	Journal of Applied Polymer Science (John Wiley & Sons, Ltd)	C	132 (8) 2015	1.9	1
68.	Gogoi, P & Boruah & Sharma, S & Dolui ^C , S K	Blends of epoxidized alkyd resins based on jatropha oil and the epoxidized oil cured with aqueous citric acid solution-A green technology approach	Sustainable Chemistry & Engineering (ACS)	A	3(2) 261-268 2015	2.5	-
69.	Das, D & Choudhury, P & Bortahkur, L & Gogoi, B & Buragohain, A K & Dolui ^C , S K	Synthesis and characterization of SiO ₂ /polyaniline/Ag core-shell particles and studies of their electrical and hemolytic properties: multifunctional core-shell particles	RSC Advances (RSC)	A	5(3) 2360-2367 2015	3.7	-
70.	Bora, C & Pegu, R & Saikia, B J & Dolui ^C , S K	Synthesis of polythiophene/graphene oxide composites by interfacial polymerization and evaluation of their electrical and electrochemical	Polymer International (John Wiley &	C	63(12) 2061-2067 2014	2.3	3

		properties	<i>Sons, Ltd)</i>				
71.	Nath, B C & Gogoi, B & Boruah, M & Khannam, M & Ahmed, G A & Dolui ^C , S K	High performance polyvinyl alcohol/multi walled carbon nanotube/polyaniline hydrogel (PVA/MWCNT/PAni) based dye sensitized solar cells	<i>Electrochimica Acta (Elsevier)</i>	D	146 106-111 2014	4.08	1
72.	Sarkar, C & Bora, C & Dolui ^C , S K	Selective Dye Adsorption by pH Modulation on Amine-Functionalized Reduced Graphene Oxide–Carbon Nanotube Hybrid	<i>Industrial & Engineering Chemistry Research (ACS)</i>	A	53 (42) 16148-16155 2014	2.2	1
73.	Saikia, B J & Gogoi, P & Sharmah, S & Dolui ^C , S K	Synthesis of pH-and solvent-responsive smart core crosslinked star polymer by atom transfer radical polymerization	<i>Polymer International (John Wiley & Son, Ltd)</i>	A	64(3) 437-445 2015	2.3	-
74.	Das, D & Choudhury, P & Borthakur, L J & Kamrupi, I R & Gogoi, U & Dolui ^C , S K	Methanol vapor sensor based on poly (styrene-co-butylacrylate)/polypyrrole-EG core–shell nanocomposites	<i>Sensors and Actuators B: Chemical (Elsevier)</i>	C	199 320-329 2014	4.01	2
75.	Bora, C & Dolui ^C , S K	Interfacial synthesis of polypyrrole/graphene composites and investigation of their optical, electrical and electrochemical properties	<i>Polymer International (John Wiley & Sons, Ltd)</i>	P	63 (8) 1439-1446 2014	2.3	2
76.	Saikia, B J & Das, D & Boruah, M & Dolui ^C , S K	Synthesis and fluorescence properties of star-shaped polymers carrying two fluorescent moieties	<i>Polymer International (John Wiley & Sons, Ltd)</i>	A	63 (6) 1047-1055 2014	2.3	1
77.	Bora, C & Kalita, A & Das, D & Dolui ^C , S K & Mukhopadhyay, P K	Preparation of polyaniline/nickel oxide nanocomposites by liquid/liquid interfacial polymerization and evaluation of their electrical, electrochemical and magnetic properties	<i>Polymer International (John Wiley & Sons, Ltd)</i>	B	63 (3) 445-452 2014	2.3	2
77.	Gogoi, P & Boruah, M & Bora, C & Dolui ^C , S K	Jatropha curcas oil based alkyd/epoxy resin/expanded graphite (EG) reinforced bio-composite: Evaluation of the thermal, mechanical and flame retardancy properties	<i>Progress in Organic Coatings (Elsevier)</i>	C	77 (1) 87-93 2014	2.5	8
78.	Boruah, M & Gogoi, P &	Biocompatible carboxymethylcellulose-g-poly	<i>RSC Advances</i>	D	4 (83)	3.7	3

	Manhar, A K & Khannam, M & Mandal, M & Dolui ^C , S K	(acrylic acid)/OMMT nanocomposite hydrogel for in vitro release of vitamin B 12	(RSC)		43865-43873 2014		
79.	Boruah, M & Phukon, P & Dolui ^C , S K	Electrical actuation of electroresponsive hydrogels based on poly (acrylamide-co-acrylic acid)/graphite suitable for biomedical applications	<i>Polymer Composites (John Wiley & Sons, Ltd)</i>	D	35 (1) 27-36 2014	1.4	2
80.	Gogoi S, Nath S K, Bordoloi S, Dutta ^C R K	Fluoride Removal from groundwater by limestone treatment in presence of phosphoric acid	J Environ Management	A	152, 132-139 (2015)	3	-
81.	Nath S K, Dutta ^C R K	Significance of calcium containing lime materials for defluoridation of water	Desalination and Water Treatment, Elsevier	A	53, 2075-2085 (2015)	1	-
82.	Gogoi S, Dutta ^C R K	Mechanism of fluoride removal by phosphoric acid-enhanced limestone: Equilibrium and kinetics of fluoride sorption	Desalination and Water Treatment, Elsevier	A	(2015) doi: 10.1080/19443994.2015.1010592	1	-
83.	Baishya, P & Maji ^C , T K	Studies on Effects of Different Cross-Linkers on the Properties of Starch based Wood Composites,	ACS Sustainable Chem. Eng., ACS	A	2014, 2 (7), 1760–1768		3
84.	Hazarika, A & Maji ^C , T K	Properties of softwood polymer composites impregnated with nanoparticles and melamine formaldehyde furfuryl alcohol copolymer.	Polymer Engineering & Science., Wiley	A	2014, 54(5),1019–1029	1.441	1
85.	Hazarika, A & Maji ^C , T K	Thermal decomposition kinetics, flammability, and mechanical property study of wood polymer nanocomposite	Journal of Thermal Analysis and Calorimetry, Springer	A	2014, 115(2),1679-1691.	2.206	4
86.	Hazarika, A & Maji ^C , T K	Strain sensing behavior and dynamic mechanical properties of carbon nanotubes/nanoclay reinforced wood polymer nanocomposite.	Chemical Engineering Journal. Elsevier	A	2014, 247(1), 33–41.	4.058	4
87.	Hazarika, A & Maji ^C , T K	Dynamic mechanical analysis, biodegradability and thermal stability of wood polymer nanocomposites	Composites Part B: Engineering. Elsevier	A	2014, 60,568–576.	2.602	1
88.	Iman, M & Manhar, A K & Mandal, M & Maji ^C , T	Preparation and characterization of zinc oxide and nanoclay reinforced crosslinked starch/jute	RSC Adv., RSC	A	2014, 4, 33826	3.708	-

	K	green nanocomposites.					
89	Saikia, C & Hussain, A & Ramteke, A & Sharma, H K & Maji ^C , T K	Carboxymethyl starch-chitosan-coated iron oxide magnetic nanoparticles for controlled delivery of isoniazid.	Journal of Microencapsulation. <i>Informa Healthcare</i>	A	2014, 25(12), 1580–1589	1.964	2
90	Hazarika, A & Maji ^C , T K	Ultraviolet resistance and other physical properties of softwood polymer nanocomposites reinforced with ZnO nanoparticles and nanoclay.	Wood Material Science & Engineering. <i>Taylor & Francis</i>	A	2015. http://dx.doi.org/10.1080/17480272.2014.992471		-
91	Saikia, C & Hussain, A & Ramteke, A & Sharma, H K & Maji ^C , T K	Crosslinked thiolated starch coated Fe ₃ O ₄ magnetic nanoparticles: Effect of montmorillonite and crosslinking density on drug delivery properties.	Starch – Stärke. <i>Wiley</i>	A	2014, 66 (7-8), 760–771.	1.401	1
92	Hazarika, A & Maji ^C , T K	Modification of softwood by monomers and nanofillers: a review,	Defence Science Journal	A	64 (3), 262-272, 2014	0.31	-
93	Gogoi, P & Dutta, A K & Sarma, P & Borah ^C , R	Development of Brønsted–Lewis acidic solid catalytic system of 3-methyl-1-sulfonic acid imidazolium transition metal chlorides for the preparation of bis(indolyl)methanes	Applied Catalysis A: General Elsevier	P	492, 133–139, 2-2015	3.942	-
94	Dutta, A K & Sarma, P & Dutta, C & Sarma, B & Borah ^C , R	Synthesis of anti-2,3-dihydro-1,2,3-trisubstituted- 1H-naphth [1,2-e][1,3]oxazine derivatives via multicomponent approach	RSC. Advances, Royal Society of Chemistry	P	4, 10912-10917, 2-2014	3.84	4
95	Dutta, A K, Gogoi, P & Borah ^C , R	Synthesis of dibenzoxanthene and acridine derivatives catalysed by 1.3-disulfonic acid imidazolium carboxylate ionic liquids	RSC. Advances, Royal Society of Chemistry	P	4, 41287-41291, 8-2014	3.84	-
96	Sarma, P & Dutta, A K & Gogoi, P & Sarma, B & Borah ^C , R	3-Methyl-1-sulfoimidazolium ionic liquids as recyclable medium for efficient synthesis of quinoline derivatives by Friedländer annulation	Monatshefte für Chemie – Chemical Monthly, Springer	P	146, 173–180, 9-2015	1.222	-
97	Devi, R & Borah, R & Deka ^C , R C	Investigation of structural change and basicity of NaY zeolite upon loading KF and their application in Henry nitroaldol reaction under microwave irradiation condition	Catalysis Letter, Springer	P	144, 1751–1758, 10-2014	2.307	1
98	Sarmah, P & Gogoi, P &	Nitrogen Bound Polymers as Heterogeneous	Current	P	1-1, 40-44,	0	-

	Borah, R	Basic Catalysts for Diastereoselective Henry Reaction in Aqueous Medium	Organocatalysis, Bentham Science		6-2014		
99	Dutta, P & Dutta, A K & Sarmah, P & Borah, ^C R	Dual nature of polyethylene glycol under microwave irradiation for the clean synthesis of oximes	Monatshefte für Chemie – Chemical Monthly, Springer	P	145, 505–508, 11-2014	1.222	2
100	Konwar, L J & Das, R & Thakur, A J & Salimen, E & Mäki-Arvela, P & Kumar, N & Mikkola ^C , J P & Deka ^C , D	Towards carbon efficient biorefining: Biomass conversion using multifunctional mesoporous solid acids obtained from biodiesel wastes	Applied Catalysis B: Environmental, Elsevier	A	176, 20-35, 2015	6.007	-
101	Mahanta, A. & Adhikari, P & Bora ^C , U & Thakur ^C , A. J	Biosilica as an efficient heterogeneous catalyst for <i>ipso</i> -hydroxylation of arylboronic acids	Tetrahedron Letters, Elsevier	A	56, 1780-1873, 2015	2.397	-
102	Talukdar, D & Das, G & Thakur, S & Karak, N & Thakur ^C , A J	Copper nanoparticles decorated Organically Modified Montmorillonite (OMMT): An efficient catalyst for the <i>N</i> -arylation of indoles and similar heterocycles	Catalysis Communications, Elsevier	A	59, 238–243, 2015.	3.320	-
103	Raul ^C , P K & Senapati, S. & Sahoo, A. K. & Umlong, I. M. & Devi, R. R. & Thakur, A J & Veer, V	CuO Nanorods: A Potential and Efficient Adsorbent in Water Purification	RSC Advances, Royal Society of Chemistry	A	4, 40580-87, 2014.	3.708	1
104	Roy, S & Banik, R & Das ^C , S & Thakur, A J	(E)-5,5'-(3-phenylprop-2-ene-1,1-diyl)bis[6-amino-1,3-dimethylpyrimidine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione]: Synthesis, characterization, crystal structure and antimicrobial activity	J. Indian Chem. Soc., Indian Chemical Society	A	91(11), 2117-2125, 2014.	0.437	1
105	Purkayastha, M D & Manhar, A K & Das, V K & Borah, A & Mandal, M & Thakur, A J & Mahanta ^C , C L	Antioxidative, Hemocompatible, Fluorescent Carbon nanodots from an 'End-of-Pipe' Agricultural Waste: Exploring its New Horizon in Food Packaging Domain	J. Agric. Food Chem., American Chemical Society	A	62(20), 4509-4520, 2014.	2.906	1
106	Boro, J & Konwar, L J & Thakur, A J & Deka ^C , D	Ba doped CaO derived from waste shells of <i>T. striatula</i> (TS-CaO) as heterogeneous catalyst for biodiesel production	Fuel, Elsevier	A	129, 182-187, 2014.	3.357	1

107	Saikia, L & Das, B & Bharali, P & Thakur, ^C A J	A convenient synthesis of novel 5-aryl-pyrido[2,3- <i>d</i>]pyrimidines and screening of their preliminary antibacterial properties	Tetrahedron Lett. Elsevier	A	55, 1796-1801, 2014.	2.397	3
108	Das, S & Thakur, A J & Deka ^C , D	Two stage conversions of high free fatty acid Jatropha curcas oil to biodiesel using Brønsted acidic ionic liquid and KOH as catalysts	The Scientific World Journal, Hindawi Publishing Corporation	A	Volume 2014, Article ID 180983, 9 pages, 2014.	1.730	-
109	Devi ^C , R R & Umlong, I M & Das, B & Borah, K & Thakur, A J & Raul, P K Banerjee, S & Singh, L	Removal of iron and arsenic (III) from drinking water using iron oxide coated sand and limestone.	Applied Water Science, Springer	A	4, 175-182, 2014	Will appear in 2015	1
110	Raul ^C , P K & Devi, R R & Umlong, I M & Thakur, A J & Banerjee, S & Veer, V	Iron oxide hydroxide nanoflower assisted removal of arsenic from water.	Materials Research Bulletin, Elsevier	A	49, 360–368, 2014	1.913	9
111	Das, V K & Thakur ^C , A J	Greener oxidation of aldehydes over bio-silica supported Fe ₂ O ₃ nanoparticles: A convenient 'NOSE' approach.	Applied Catalysis A: General, Elsevier	A	470, 97-103, 2014.	3.410	3
112	Borthakur, B & Rahman, T & Phukan ^C , A K	Tuning the Electronic and Ligand Properties of Remote Carbenes: A Theoretical Study	J. Org. Chem., American Chemical Society	A	79, 10801-10810, 2014	4.638	-
113	Braunschweig ^C , H & Dewhurst, R D & Hupp, F, Kaufmann, C & Phukan, A K & Schneider, C & Ye, Q	Gauging metal Lewis basicity of zerovalent iron complexes <i>via</i> metal-only Lewis pairs	Chemical Science, Royal Society of Chemistry	A	3, 4099-4104, 2014.	8.6	4
114	Bissinger, P & Braunschweig ^C , H Damme, A & Krummenacher, I & Phukan, A K & Radacki, K. & Sugawara, S	Isolation of a Neutral Boron-Containing Radical Stabilized by a Cyclic(Alkyl)(Amino)Carbene	Angew. Chem. Int. Ed Wiley-VCH	A	53, 7360-7363, 2014.	13.734	5
115	Guha, A K & Phukan ^C , A K	Theoretical Study on the Effect of Annelation and Carbonylation on the Electronic and Ligand	J. Org. Chem., American	A	79, 10801-10810,	4.638	2

		Properties of N-Heterocyclic Silylenes and Germynes: Carbene Comparisons Begin to Break Down	<i>Chemical Society</i>		2014		
116	Bertermann, R & Braunschweig ^C , H & Ewing, W C & Kramer, T & Phukan, A K & Vargas, A & Werner, C	Synthesis and Characterization of a Mercury-Containing Trimetalloboride	Chem. Comm., <i>Royal Society of Chemistry</i>	A	50, 5729-5732, 2014.	6.378	1
117	Brand, J & Braunschweig ^C , H & Hupp, F & Phukan, A K & Radacki, K & Sen, S S	A B–C Double Bond Unit Coordinated to Platinum: An Alkylideneboryl Ligand that is Isoelectronic to Neutral Aminoborylene Ligands	Angew. Chem. Int. Ed <i>Wiley-VCH</i>	A	53, 2240-2244, 2014.	13.734	3
118	Braunschweig ^C , H & Dewhurst, R D & Hörl, C & Phukan, A K & Pinzner, F & Ullrich, S	Direct Hydroboration of B=B Double Bonds: a Mild and Diastereoselective Strategy for the Proliferation of B–B Single Bonds	Angew. Chem. Int. Ed <i>Wiley-VCH</i>	A	53, 3241-3244, 2014.	13.734	7
119	Bertsch, S & Bertermann, R & Braunschweig ^C , H & Damme, A & Dewhurst, R D & Phukan, A K & Saalfrank, C. & Vargas, A & Wennemann, B & Ye, Q	Metal-Only Lewis Pairs by Reversible Insertion of Ruthenium and Osmium Fragments into Metal-Boron Double Bonds	Angew. Chem. Int. Ed <i>Wiley-VCH</i>	A	53, 4240-4243, 2014.	13.734	3
120	Braunschweig ^C , H & Damme, A & Dewhurst, R. D. & Kramer, T & Krummenacher, I & Phukan, A K	Short Survey of the Chemical Reduction Behaviour of the Base-Stabilized Iron Dichloroboryl Complexes $[(\eta^5\text{-C}_5\text{Me}_5)\text{Fe}(\text{CO})_2\text{BCl}_2(\text{LB})]$	Organometallics, <i>American Chemical Society</i>	A	33, 604-606, 2014.	4.253	1
121	Dutta, R R & Puzari ^C , P	Amperometric biosensing of organophosphate and organocarbamate pesticides utilizing polypyrrole entrapped acetylcholinesterase electrode,	Biosensors and Bioelectronics <i>Elsevier</i>	A	52, 166-172 (2014).	6.45	11
122	Gogoi, S & Borah, H & Dutta, R R & Puzari ^C , P	Evaluation of Diffusion coefficient of Thiocholine in Enzyme loaded polypyrrole composite film through different methods and electrode polarization	<i>J. Phys. Chem.B American Chemical Society</i>	A	119 (13), 4749–4757 (2015)	3.38	-

123	Begum, T & Gogoi, A & Gogoi ^C , P K & Bora ^C U	Catalysis by mont K-10 supported silver nanoparticles: a rapid and green protocol for the efficient ipso-hydroxylation of arylboronic acids	Tetrahedron Letters, Elsevier	A	56, 95 2015	2.39	-
124	Gogoi, A & Dewan, A & Bora ^C , U	A highly efficient copper and ligand free protocol for the room temperature Sonogashira reaction	RSC Adv. RSC.	A	5 16 2015	3.78	-
125	Mondal, M & Bharadwaj, S. K. & Bora ^C , U.,	O-Arylation with nitroarenes: metal-catalyzed and metal-free methodologies	New Journal of Chemistry, RSC	A	31 39 2015	3.01	-
126	Gogoi, A. & Chutia, S. J & Gogoi, P. K & Bora ^C , U.	A highly efficient heterogeneous Mont-K-10 supported Pd-catalyst for Suzuki-Miyaura cross coupling reaction in aqueous medium,	Applied Organometalli Chemistry Wiley	A	839 2014,	2.017	-
127	Sarmah, G & Bharadwaj, S. K. & Dewan, A. & Gogoi, A. & Bora ^C , U.,	An efficient and reusable vanadium based catalytic system for room temperature oxidation of alcohols to aldehydes and ketones,	Tetrahedron Letters, Elsevier	A	5029 2014	2.39	-
128	Mondal, M., & Bora ^C , U.	O-Aryloxime ether analogues as novel and efficient ligands for palladium-catalyzed Suzuki–Miyaura coupling in water	Tetrahedron Letters, Elsevier	A	3038 2014,.	2.39	-
129	Boruah, P. R. & Koir, M. J. & Bora ^C U. & Sarma, D.,	A new recyclable/reusable ionic liquid/LiCl system for Suzuki–Miyaura cross coupling reactions	Tetrahedron Letters, Elsevier	A	2423 2014,	2.39	-
130	Mondal, M. & Bora ^C , U.,	Ligandless heterogeneous palladium: an efficient and recyclable catalyst for Suzuki type cross-coupling reaction	Applied Organometalli Chemistry Wiley	A	354 2014	2.017	-
131	Mandal, M. & Nagaraju, V. & Sarma, B. & Karunakar, G. V. & Bania, ^C K. K.	Enantioselective Epoxidation of Styrene by Manganese Chiral Schiff Base Complexes Immobilized on MCM-41	ChemPlusChem; Wiley Online Library	A	80(4), 749–761, April 2015	3.25	2
132	Pratihari, ^C S. & Pegu, R. & Guha, A. K. & Sarma, B.	Pd(II) coordinated deprotonated diphenyl phosphino amino pyridine: reactivity towards solvent, base, and acid	Dalton Trans. Royal Society Chemistry	A	43(45), 17136-17144, Sept, 2014	4.097	-
133	Kalita, M. & Gogoi, P. &	A new series of Ni(II), Cu(II), Co(II) and Pd(II)	Polyhedron	A	74, 93–98,	2.05	8

	Barman, ^C P. & Sarma, B. & Buragohain, A. K. & Kalita, R.D.	complexes with an ONS donor Schiff base: Synthesis, crystal structure, catalytic properties and bioactivities	<i>Elsevier</i>		January 2014		
134	Sarma, ^C B. & Saikia, B.	Hydrogen bond synthon competition in the stabilization of theophylline cocrystals	<i>CrystEngComm Royal Society Chemistry</i>	A	16(22), 4753-4765, January 2014	3.86	5
135	Borah, ^C R. & Dutta, A. K. & Sarma, P. & Dutta, C. & Sarma, B.	Synthesis of anti-2,3-dihydro-1,2,3-trisubstituted-1H-naphth [1,2-e][1,3]oxazine derivatives via multicomponent approach	<i>RSC Advances Royal Society Chemistry</i>	A	4(21), 10912-10917, Feb,2014	3.71	4
136	Bania, ^C K. K. & Karunakar, G.V. & Sarma, B. & Deka, R. C.	Effect of Nanospace Confinement on the Catalytic Activity and Stability of a Chiral Schiff Base Complex (CuL; L=C ₂₂ H ₂₄ N ₂ O ₄): A Combined Experimental and Theoretical Study	<i>ChemPlusChem Wiley Online Library</i>	A	79(3), 427-438, March 2014	3.24	3
137	Dey, M. & Sarma, B. & Gogoi, ^C N.	Coligand Promoted Controlled Assembly of Hierarchical Heterobimetallic Nitroprusside Based Aggregates.	<i>Zeitschrift für anorganische Chemie Wiley Online Library</i>	A	640(14), 2962-2967, November 2014	1.25	-
138	Sarma, P. & Dutta, A. K. & Gogoi, P. & Sarma, B. & Borah, ^C R.	3-Methyl-1-sulfoimidazolium ionic liquids as recyclable medium for efficient synthesis of quinoline derivatives by Friedla'nder annulations	<i>Monatsh Chem Springer</i>	A	146(1), 173-180, August 2015	1.35	-
139	Kalita, M. & Gogoi, P. & Barman, ^C P. & Sarma, B.	Nickel (II), copper (II), and cobalt (II) complexes derived from a new unsymmetrical ONS donor Schiff base ligand: synthesis, characterization, crystal structure, and catalytic activities	<i>Journal of Coordination Chemistry; Taylor & Francis</i>	A	67(14), 2445-2454, August 2014	2.22	5
140	Sarma, ^C B & Nangia, A	Chemical Crystallography in India—From Naphthalene to Gleevec	<i>Journal of the Indian Institute of Science IISc Journal</i>	A	94(1), 95-102, March 2014	1.01	3
141	Bar, A. K. & Pichon, C. & Gogoi, N. & Duhayon, C. & Ramasesha, S. & Sutter,	Single-ion magnet behavior in heptacoordinated Fe(II) complexes: On the importance of supramolecular organization.	<i>Chemical Communication RSC</i>	P	2015 51 3616	6.718	-

	J. P.						
142	Dey, M. & Sarma, B. & Gogoi, ^C N	Coligand Promoted Controlled Assembly of Hierarchical Heterobimetallic Nitroprusside Based Aggregates.	Z. Anorg. Allg. Chem. <i>Wiley</i>	P	2014, 640, 2962-2967.	1.251	-
143	Bharali, D & Devi, R & Bharali, P & Deka ^C R C	Synthesis of high surface area mixed metal oxide from NiMgAl LDH precursor for Nitro-aldol condensation reaction	New Journal of Chemistry <i>Royal Society of Chemistry</i>	C	39-1, 172-178, 1-2015	3.159	-
144	Borah, B J & Bharali ^C , P	Surfactant-free synthesis of CuNi nanocrystals and their application for catalytic reduction of 4-nitrophenol	Journal of Molecular Catalysis A: Chemical <i>Elsevier Science</i>	C	390, 29-36, 8-2014	3.679	2
145	Borah, B J & Saikia, H & Bharali ^C , P	Reductive conversion of Cr(VI) to Cr(III) over bimetallic CuNi nanocrystals at room temperature	New Journal of Chemistry <i>Royal Society of Chemistry</i>	C	38-7, 2748-2751, 7-2014	3.159	2
146	Devi, R. & Kalita, T. & Das, ^C S. K.	Brønsted acid-catalysed intramolecular ring opening of 2-(aryloxymethyl)-3-aryloxiranes leading to trans-4-arylchroman-3-ols: scope and limitations	RSC Advances <i>Royal Society of Chemistry</i>	A	5, 50, 39692-39696, 2015	3.7	-
147	Das, S K & Mahanta, S P & Bania, ^C K K.	Oxidative Coupling of 2-Naphthol by Zeolite-Y Supported Homo and Heterometallic Trinuclear Acetate Clusters	RSC Advances, <i>RSC</i>	C	4, 93, 51496-51509, 10, 2014.	3.708	-
148	Das, S K & Mahanta, S P & Bania, K K. ^C	Oxidative Coupling of 2-Naphthol by Zeolite-Y Supported Homo and Heterometallic Trinuclear Acetate Clusters	RSC Advances, <i>RSC</i>	C	4, 93, 51496-51509, 10, 2014.	3.708	-
149	Sarmah, N & Bhattacharyya, P. K. & Bania, K K. ^C	Substituent and Solvent Effects on the Absorption Spectra of Cation- π Complexes of Benzene and Borazine: A Theoretical Study	J. Phys. Chem A, <i>ACS</i>	C	118, 21, 3760-3774, 5, 2014	2.775	1
150	Bania, K K ^C & Guha, A K & Bhattacharyya, P K & Sinha, S.	Effect of Substituent and Solvent on Cation- π Interaction in Benzene and Borazine: A Computational Study	Dalton. Trans., <i>RSC</i>	C	43, 4, -1784, 10, 2014.	4.097	4
151	Bania, K K ^C & Karunakar, G V & Bipul Sarma, B &	Effect of Nano-Space Confinement on Catalytic Activity and Stability of a Chiral Schiff Base	Chem Plus Chem, <i>Wiley</i>	C	79, 3, 427-438, 3 2014,	3.242	3

	Deka, R C.	Complex: A Combined Experimental and Theoretical Study					
152	Pegu, C D & Bania, K K. ^C	Asymmetric Henry Reaction in Presence of Chiral Amino Acids: An Experimental and Theoretical Study.	Int. J. Chem., <i>International Book House P. Ltd</i>	C	3, 1, 67 – 83, 1-3, 2014.	--	-
153	Pegu, R & Mandal, R & Guha, A K & Pratihari, ^C S.	A selective ratiometric fluoride ion sensor with (2,4-dinitro phenyl)hydrazine derivative of bis (indolyl) methane and its mode of interaction	New Journal. Of Chemistry (<i>Royal Society of Chemistry</i>)	P	39, 5984-5990, 2015	3.16	-
154	Kashyap, R & Talukdar, D J & Pratihari, ^C S.	Iron Oxalate Capped Iron-copper Nano for oxidative transformation of aldehyde	New Journal. Of Chemistry (<i>Royal Society of Chemistry</i>)	P	39, 1430-1437, 2015	3.16	-
155	Pratihari, ^C S & Pegu, R & Guha, A K & Sarma, B	Pd (ii) coordinated deprotonated diphenyl phosphino amino pyridine: reactivity towards solvent, base, and acid	<i>Dalton Transactions</i> (Royal Society of Chemistry)	P	43, 17136-17144, 2014	4.0	-
156	Pegu, R & Majumdar, K J & Talukdar, D J & Pratihari, ^C S.	Oxalate capped iron nanomaterial: from methylene blue degradation to bis (indolyl) methane synthesis	<i>RSC Advances</i> (Royal Society of Chemistry)	P	4-63, 33446-33456, 2014	3.84	1
157	Pratihari, ^C S.	Electrophilicity and Nucleophilicity of Commonly Used Aldehydes from Oxidation and Reduction Reaction	<i>Organic & Biomolecular Chemistry</i> (Royal Society of Chemistry)	P	12, 5781-5788, 2014	3.56	3
(2013-14)							
1.	Das, D & Nath, B C & Phukon, P & Dolui, S K ^c	Synthesis of ZnO nanoparticles and evaluation of antioxidant and cytotoxic activity	Colloids and Surfaces B: Biointerfaces (<i>Elsevier</i>)	A	111 556-560 2013	4.2	-
2.	Bora, C & Bharali, P & Baglari, S & Dolui, S K ^c & Konwar, B K	Strong and conductive reduced graphene oxide/polyester resin composite films with improved mechanical strength, thermal stability and its antibacterial activity	Composites Science and Technology (<i>Elsevier</i>)	B	87 1-7 2013	3.6	7

3.	Das, D & Nath, B C & Phukon, P & Saikia, B J & Kamrupi, I R & Dolui, S K ^c	Nickel oxide/polypyrrole/silver nanocomposites with core/shell/shell structure: Synthesis, characterization and their electrochemical behaviour with antimicrobial activities	Materials Chemistry and Physics (<i>Elsevier</i>)	C	142 (1) 61-69 2013	2.3	5
4.	Bora, C & Gogoi, P & Baglari, S & Dolui, S K ^c	Preparation of polyester resin/graphene oxide nanocomposite with improved mechanical strength	Journal of Applied Polymer Science (<i>Wiley Subscription Services, Inc</i>)	A	129 (6) 3432-3438 2013	1.9	4
5.	Hazarika, S B & Choudhury, S U & Panja, S S & Dolui, S K ^c & Ray, B C	Fabrication and Performance of Hybrid Betel Nut and Jute Fiber Reinforced Epoxy Composite.	Journal of Polymer Materials (<i>Prints Publications Pvt. Ltd</i>)	B	30 (2) 213 2013	0.4	-
6.	Phukon, P & Pokhrel, B & Konwar, B K & Dolui, S K ^c	Biosynthesis and characterization of a new copolymer, poly (3-hydroxyvalerate-co-5-hydroxydecenoate), from <i>Pseudomonas aeruginosa</i>	Biotechnology letters (<i>Springer Netherlands</i>)	C	35 (4) 607-611 2013	1.7	1
7.	Kalita, A & Bora, C & Dolui, S K ^c	Melamine-Formaldehyde-Supported Titanium-Based Heterogeneous Ziegler-Natta Catalyst for Ethylene Polymerization in Slurry Process	International Journal of Polymeric Materials and Polymeric Biomaterials (<i>Taylor & Francis</i>)	C	62(5) 288-294 2013	2.7	-
8.	Kalita, A & Konwer, S & Dolui, S K ^c	Poly (amic acid)-Supported Heterogeneous Titanium-Based Ziegler-Natta Catalyst for Ethylene Polymerization in a Slurry Process	Advances in Polymer Technology (<i>Wiley Subscription Services, Inc</i>)	B	32 (S1) 119-130 2013	1.09	-

9.	Boruah, M & Kalita, A & Pokhrel, B & Dolui, S K ^c & Boruah, R	Synthesis and Characterization of pH Responsive Conductive Composites of Poly (acrylic acid-co-acrylamide) Impregnated with Polyaniline by Interfacial Polymerization	Advances in Polymer Technology (Wiley Subscription Services, Inc.)	B	32 (S1) 520-530 2013	1.09	4
10.	Konwer, S & Guha, A K & Dolui, S K ^c	Graphene oxide-filled conducting polyaniline composites as methanol-sensing materials	Journal of Materials Science (Springer US)	A	48 (4) 1729-1739 2013	1.9	24
11.	Das, D & Nath, B C & Phukon, P & Dolui, S K ^c	Synthesis and evaluation of antioxidant and antibacterial behavior of CuO nanoparticles	Colloids and Surfaces B: Biointerfaces (Elsevier)	A	101 430-433 2013	4.2	32
12.	Baruah, J J & Das, S P & Ankireddy, S R & Gogoi, S R & Islam ^c , N S	Merrifield supported peroxomolybdenum(VI) compounds: recoverable heterogenous catalysts for efficient, selective and mild oxidation of organic sulphides with H ₂ O ₂	Green Chemistry (Royal Society of Chemistry)	p	15, 10, 2944-2959, 2013	6.852	9
13.	Banik, N & Iman, M & Hussain, A & Ramteke, A & Boruah, R & Maji ^c T K.	Soy flour nanoparticles for controlled drug delivery: effect of crosslinker and montmorillonite (MMT)	New J. Chem., RSC	P	37, 3981-3990, 2013	3.159	-
14.	Hazarika, A & Maji ^c T K.	Properties of softwood polymer composites impregnated with nanoparticles and melamine formaldehyde furfuryl alcohol copolymer	Polymer Engineering and Science, Wiley	P	2013	1.441	-
15.	Hazarika, A & Maji ^c T K.	Effect of different crosslinkers on properties of melamine formaldehyde-furfuryl alcohol copolymer/montmorillonite impregnated softwood (Ficus hispida)	Polymer Engineering and Science, Wiley	P	53 (7), pp. 1394-1404, 2013	1.441	8
16.	Devi, R R & Maji ^c T K.	Effect of nanofillers on flame retardancy, chemical resistance, antibacterial properties and biodegradation of wood/styrene acrylonitrile copolymer composites	Wood Science and Technology, Springer	P	pp. 1-18, 2013	1.873	3
17.	Devi, R R & Maji ^c T K.	Study on the properties of wood polymer nanocomposites based on melamine	Journal of Wood	P	33 (2), pp. 103-	1.176	-

		formaldehyde-furfuryl alcohol copolymer and modified clay	Chemistry and Technology , <i>Taylor & Francis</i>		124,2013		
18.	Iman, M & Bania, K K & Maji ^C T K.	Green jute-based cross-linked soy flour nanocomposites reinforced with cellulose whiskers and nanoclay	Industrial and Engineering Chemistry Research , <i>ACS</i>	P	52 (21) , pp. 6969-6983,2013	2.235	14
19.	Devi, R R & Gogoi, K & Konwar, B K & Maji ^C , T K.	Synergistic effect of nanoTiO ₂ and nanoclay on mechanical, flame retardancy, UV stability, and antibacterial properties of wood polymer composites	Polymer Bulletin , <i>Springer</i>	P	70 (4) , pp. 1397-1413,2013	1.491	4
20.	Iman, M & Maji ^C T K.	Effect of crosslinker and nanoclay on jute fabric reinforced soy flour green composite	Journal of Applied Polymer Science , <i>Wiley</i>	P	127 (5) , pp. 3987-3996,2013	1.64	7
21.	Devi, R R & Maji ^C , T K.	Interfacial effect of surface modified TiO ₂ and SiO ₂ nanoparticles reinforcement in the properties of wood polymer clay nanocomposites	Journal of the Taiwan Institute of Chemical Engineers , <i>Yu-Wen Chen</i>	P	2013	2.637	3
22.	Deka, B K & Maji ^C T K.	Effect of SiO ₂ and nanoclay on the properties of wood polymer nanocomposite	Polymer Bulletin, <i>Springer</i>	P	70 (2) , pp. 403-417,2013	1.491	13
23.	Deka, H & Karak ^C , N.	Epoxy modified bio-based hyper branched polyurethane/clay nano composites: rheology and biodegradability	J. Nano Sci., Nano Eng. Appl.	do	3 1-10 2013	--	7
24.	Pramanik, S & Barua, N & Buragohain, AK & Hazarika, J & Kumar A & Karak ^C , N.	Bio-functionalized MWCNT: A reactive component for the in-situ polymerization of hyperbranched poly(ester amide) and delving into its bio-physico interfacial properties	J Phy. Chem. C <i>ACS</i>	do	117 25097-25107 2013	4.835	2
25.	De, B & Voit, B &	Transparent luminescent hyperbranched epoxy /	ACS Appl.	do	5	5.900	7

	Karak ^C , N.	carbon oxide dot nanocomposites with outstanding toughness and ductility	Mater. Interfaces <i>ACS</i>		10027–10034 2013		
26.	Kalita, H & Karak ^C , N.	Hyperbranched polyurethane/Fe ₃ O ₄ thermosetting nanocomposites as shape memory materials	Polym. Bull. <i>Springer</i>	do	70 2953–2965 2013	1.491	3
27.	Kalita, H & Karak ^C , N.	Hyperbranched polyurethane/Fe ₃ O ₄ nanoparticles decorated multi-walled carbon nanotube thermosetting nanocomposites as microwave actuated shape memory materials	J. Mater. Res. <i>MRS</i>	do	28 2132-2141 2013	--	-
28.	Barua, S & Das, G & Aidew, L & Buragohain, AK & Karak ^C , N.	Copper/copper oxide coated nanofibrillar cellulose- a promising biomaterial	RSC Adv. <i>RSC</i>	do	3 14997-15004 2013	3.708	12
29.	Das, B & Mandal, M & Upadhyay, A & Chattapadhyay, P & Karak ^C , N.	Nanocomposites of bio-based hyperbranched polyurethane/ functionalized MWCNT as non-immunogenic, osteoconductive, biodegradable and biocompatible scaffolds in bone tissue engineering	J. Mater. Chem. B <i>RSC</i>	do	1 4115-4126 2013	--	4
30.	Gogoi, A & Ahmed, GA & Das, G & Karak, N & Boruah, R & Choudhury ^C , AJ.	Laboratory measurements of the light scattering properties of bentonite clay particles embedded in cylindrical polymer matrix	J. Modern Optics Taylor & Francis	do	60 603-610 2013	1.170	1
31.	Thakur, S & Karak ^C , N.	Bio-based tough hyperbranched polyurethane-graphene oxide nanocomposites as advanced shape memory materials	RSC Adv. <i>RSC</i>	do	3 9476-9482 2013	3.708	10
32.	Kalita, H & Karak ^C , N.	Bio-based hyperbranched polyurethane/Fe ₃ O ₄ nanocomposites as shape memory materials	Polym. Adv. Technol. <i>Wiley</i>	do	24 819-823 2013	1.964	8
33.	Pramanik, S & Hazarika, J & Kumar, A & Karak ^C , N.	Castor oil based hyperbranched poly(ester amide)/polyaniline nanofiber nanocomposites as antistatic materials	Ind. Eng. Chem. Res.	do	52 5700-5707 2013	2.206	4
34.	Kalita, H & Karak ^C , N.	Fe ₃ O ₄ nanoparticles decorated multi-walled carbon nanotube/hyperbranched polyurethane nanocomposites as shape memory materials	J. Nanoeng. Nanomanuf	do	3 194-201 2013	--	-

35.	Thakur, S & Karak ^C , N.	Green one-step approach to prepare sulfur/reduced graphene oxide nanohybrid for effective mercury ions removal	J. Phy. Chem. C ACS	do	117 7636-7642 2013	4.835	12
36.	De, B & Karak ^C , N.	Green and Facile Approach for Water Soluble Fluorescent Carbon Dots from Banana Juice	RSC Adv. RSC	do	3 8286-8290 2013	3.708	61
37.	Das, G & Kalita, RD & Deka, H & Buragohain, AK & Karak ^C , N.	Biodegradation, cytocompatibility and performance studies of vegetable oil based hyperbranched polyurethane modified biocompatible sulfonated epoxy resin/clay nanocomposites	Prog. Org. Coat. Elsevier	do	76 1103-1111 2013	2.302	-
38.	Barua, S & Dutta G & Karak ^C , N.	Glycerol based tough hyperbranched epoxy: synthesis, statistical optimization and property evaluation	Chem. Eng. Sci. Elsevier	do	95 138-147 2013	2.613	13
39.	Das, B & Mandal, M & Upadhyay, A & Chattopadhyay, P & Karak ^C , N.	Bio-based hyperbranched polyurethane/Fe ₃ O ₄ nanocomposites: smart antibacterial biomaterials for biomedical device and implant	Biomed. Mater. IOP science	do	8 035003 2013	2.922	14
40.	Pramanik, S & Das, G & Karak ^C , N.	Facile preparation of polyaniline nanofibers modified bentonite nanohybrid for gas sensor application	RSC Adv. RSC	do	3 4574-4581 2013	3.708	4
41.	Konwarh, R & Misra, M & Karak ^C , N.	Electrospun cellulose acetate nanofibers: the present status and gamut of biotechnological applications	Biotechnol. Adv. Elsevier	do	31 421-437 2013	8.905	28
42.	Pramanik, S & Konwarh, R & Sagar, K & Konwar, BK & Karak ^C , N.	Bio-degradable vegetable oil based hyperbranched poly(ester amide) as an advanced surface coating material,	Prog. Org. Coat. Elsevier	do	76 689-697 2013	2.302	17
43.	Barua, S & Konwarh, R & Bhattacharya, SS & Das, P & Devi, KSP & Maiti, TK & Mandal, M & Karak ^C , N.	Non-hazardous anticancerous and antibacterial colloidal 'green' silver nanoparticles	Colloids Surf. B Elsevier	do	105 37-42 2013	4.287	17
44.	Pramanik, S & Konwarh, R & Deka, RC & Aidew, L & Barua, N &	Microwave-assisted poly(glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a 'tendrillar' nanofibrous polyaniline wrapping and	Carbon Elsevier	do	55 34-43 2013	6.160	7

	Buragohain, AK & Mohanta D & Karak ^C , N.	their interaction at bio-interface					
45.	Roy, B & Bharali, P & Konwar, BK & Karak ^C , N.	Silver-embedded modified hyperbranched epoxy/clay nanocomposites as antibacterial materials	Bioresource Technol. Elsevier	do	127 175-180 2013	5.039	13
46.	Thakur, S. & Karak ^C , N.	Castor oil-based hyperbranched polyurethanes as advanced surface coating Materials	Prog. Org. Coat. Elsevier	do	76 157-164 2013	2.302	22
47.	Konwarh, R & Mohanty, AK & Misra, M & Karak ^C , N.	Diameter-tuning of electrospun cellulose acetate fibers: a Box-Behnken design (BBD) study	Carbohydrate Polym. Elsevier	do	92 1100-1106 2013	3.916	8
48.	De, B & Karak ^C , N.	Novel high performance tough hyperbranched epoxy by an A ₂ + B ₃ polycondensation reaction	J. Mater. Chem. A RSC	do	1 348-353 2013	--	21
49.	Das, B & Konwar, U & Mandal, M & Karak ^C , N.	Sunflower oil based biodegradable hyperbranched polyurethane as a thin film material	Ind. Crop. Prod. Elsevier	do	44 396-404 2013	3.208	12
50.	Kalita, H & Karak ^C , N.	Epoxy modified bio-based hyperbranched polyurethane thermosets	Design. Monomers Polym. Taylor & Francis	do	16 447-455 2013	2.210	7
51.	Barua, S & Konwarh, R & Mandal, M & Gopalakrishnan, R Kumar, D & Karak ^C , N.	Biomimetically prepared antibacterial, free radical scavenging poly(ethylene glycol) supported silver nanoparticles as <i>Aedes albopictus</i> larvicidal agent	Adv. Sci. Eng. Medi. ASP	do	5 201-208 2013	--	8
52.	Das, B & Chattopadhyay, P & Mandal, M & Voit B & Karak ^C , N.	Bio-based biodegradable and biocompatible hyperbranched polyurethane: a scaffold for tissue engineering	Macromol. Biosci. Wiley	do	13 126-139 2013	3.65	13
53.	Saikia, JP & Konwarh, R & Konwar, B & Karak ^C , N.	Isolation and immobilization of Aroid polyphenol on magnetic nanoparticles: enhancement of potency on surface immobilization	Colloids Surf. B Elsevier	do	102 450-456 2013	4.287	2
54.	Pradeep, S & Konwarh, R	Molecular Docking studies on analogues of	Med. Chem.	do	22	1.62	1

	& Konwar BK & Karak ^C , N.	quercetin with D-alanine-D-alanine ligase of <i>Helicobacter pylori</i>	Res. <i>Springer</i>		2139-2150 2013		
55.	Das, G & Deka, H & Karak ^C , N.	Bio-based sulfonated epoxy/hyperbranched polyurea-modified MMT nanocomposites	Int. J. Polym. Mater.	do	62 330–335 2013	--	11
56.	Bordoloi, S & Nath, M & Dutta, R. K	pH-conditioning for simultaneous removal of arsenic and iron ions from groundwater,	Process Safety and Environmental Protection	P	Article in press	1.05	-
57.	A. Dutta, A & Dutta, R. K	Protonation of Acridine Orange in dye-surfactant ion pair micelles	J. Mol. Liq.,	P	178, 2013, 25–30.	1.58	-
58.	Dutta, A & Boruah, B & Manna, A. K & Gohain, B & Saikia, P. M & Dutta, R. K	Stabilization of diketo tautomer of curcumin by premicellar anionic surfactants: UV–Visible, fluorescence, tensiometric and TD-DFT evidences,	Spectrochim. Acta Part A: Molecular and Biomolecular Spectroscopy,	P	104, 2013, 150–157	2.1	-
59.	Konwar, L. J. & Das, R. & Thakur, A. J. & Salimen, E. & Mäki-Arvela, P. & Kumar, N. & Mikkola, J-P. ^C & Deka, D. ^C	Biodiesel production from acid oils using sulfonated carbon catalyst derived from oil-cake waste.	Molecular Catalysis A: Chemical, <i>Elsevier</i>	A	388-89, 167-176, 2014.	3.187	5
60.	Das, S. & Kalita, S. J. & Bharali, P. & Konwar, B. K. & Das, B. & Thakur, A. J. ^C	Organic Reactions in ‘Green surfactant’: An Avenue to Bisuracil Derivative.	Sustainable Chemistry & Engineering, <i>American Chemical Society</i>	A	1(12), 1530-1536, 2013.	Will appear in 2015	1
61.	Das, V. K. & Thakur, A. J. ^C	Highly active nano-MgO catalyzed mild and efficient synthesis of amidines via the electrophilic activation of amides.	Tetrahedron Lett. <i>Elsevier</i>	A	54, 4164-4166, 2013.	2.397	5
62.	Das, V. K. & Thakur, A. J. ^C	Nanorod-shaped basic Al ₂ O ₃ catalysed <i>N,N</i> -diformylation of Bisuracil derivatives: A greener ‘NOSE’ approach	ISRN Organic Chemistry, <i>Hindwai Publishing Corporation</i>	A	1—6, 2013	Will appear in 2015	-

63.	Talukdar, D. & Sharma, K. & Bharadwaj, S. K. & Thakur, A. J. ^C	VO(acac) ₂ : An efficient catalyst for the oxidation of aldehydes to the corresponding acids in presence of aqueous H ₂ O ₂	Synlett. Thieme	A	24, 0963-0966, 2013	2.655	3
64.	Das, V. K. & Borah, M. & Thakur, A. J. ^C	Piper- beetle shaped nano-S catalyzed synthesis of 1-amido-alkyl-2-naphthols under Solvent Free Reaction Condition (SFRC): A greener 'Nano-particle catalysed Organic Synthesis Enhancement (NOSE)' approach	J. Org. Chem., American Chemical Society	A	78, 3361-3366, 2013.	4.564	14
65.	Saikia, L. & Talukdar, D. & Deka, R. C. & Thakur, A. J. ^C	KI-VO(acac) ₂ -H ₂ O ₂ -AcOH as a new iodinating system, selective iodination at C-5 position of activated pyrimidinediones: A combined experimental and density functional study.	J. Het. Chem. Wiley	A	1031-1038, 2013.	1.224	1
66.	Braunschweig, H. ^C & Dellermann, T. & Dewhurst, R. D. & Ewing, W. C. & Hammond, K. & Jimenez-Halla, J. O. C. & Kramer, T. & Krummenacher, I. & Mies, J. & Phukan, A. K. & Vargas, A.	Metal-Free Binding and Coupling of Carbon Monoxide at a Boron-Boron Triple Bond	Nature Chemistry, Macmillan Publishers Limited	A	5, 1025-1028, 2013.	21.757	8
67.	Gogoi, U. & Guha, A. K. & Phukan, A. K. ^C	Tracing the Route to Ammonia: A Theoretical Study on the Possible Pathways for Dinitrogen Reduction Using Tripodal Complexes of Iron	Chem. Eur. J., Wiley-VCH	A	19, 11077–11089, 2013.	5.831	1
68.	Phukan, A. K. ^C & Guha, A. K. & Sarmah, S. & Dewhurst, R. D.	Electronic and Ligand Properties of Annelated Normal and Abnormal (Mesoionic) N-Heterocyclic Carbenes: A Theoretical Study	J. Org. Chem., American Chemical Society	A	78, 11032-11039, 2013.	4.638	6
69.	Sarmah, S. & Guha, A. K. & Phukan, A. K. ^C & Kumar, A. & Gadre, S. R. ^C	Stabilization of Si(0) and Ge(0) Compounds by Different Silylenes and Germylenes: A Density Functional and Molecular Electrostatic Study	Dalton Transactions, Royal Society of Chemistry	A	42, 13200-13209, 2013.	3.806	3
70.	Guha, A. K. & Gogoi, U. & Phukan, A. K. ^C	Revisiting the Reactivity of Different Carbon Bases: A Theoretical Study	Int. J. Quant. Chem. Wiley-VCH	P	113, 2471-2477, 2013.	1.306	-

71.	Phukan, A. K. ^C & Guha, A. K. & Sarmah, S.	Ligand Properties of Boron Substituted Five, Six and Seven Membered Heterocyclic Carbenes: A Theoretical Study	Organometallics, <i>American Chemical Society</i>	P	32, 3238-3248, 2013.	4.253	4
72.	Sarmah, S. & Guha, A. K. & Phukan, A. K. ^C	Donor-Acceptor Complexes of Normal and Abnormal N-Heterocyclic Carbenes with Group 13 (B, Al, Ga) Elements: A Combined DFT and Atoms-in-Molecules Study	Eur. J. Inorg. Chem. <i>Wiley-VCH</i>	P	3233-3239, 2013.	3.120	2
73.	Dutta, P & Sarmah P & Borah, ^C R	Investigation of efficient synthesis of 1,8-dioxo-octahydroanthene derivatives under solvent-free grinding method	Current Chemistry Letters, <i>Growing Science</i>	P	2-4,159–166, 8-2013	1.3	3
74.	Dutta, P & Sarma, P & Borah, ^C R	P4VP-H ₂ SO ₄ Catalyzed Chemoselective Protection of Aldehydes to Acylal along with Deprotection Reactions	Synthetic Communication, <i>Taylor & Francis Online</i>	P	43-10, 1378–1386, 5-2013	0.98	2
75.	Borah, S. & Kalita, A. & Gogoi, N.	Single Crystal X-ray Structure of Zinc Tert-butylphosphonate	Z. Anorg. Allg. Chem. <i>Wiley</i>	P	640 1789-1792. 2014	1.251	-
76.	Kalita, A. & Gogoi, N. & Kuppuswamy, S. & Murugavel, R. & Walawalkar, M. G. & Jangir, R.	Ab Initio Chemical Synthesis of Designer Metal Phosphate Frameworks at Ambient Conditions.	Inorganic Chemistry <i>ACS</i>	P	53 8959-8969. 2014	4.794	-
77.	Dey, M. & Gogoi, N	Geometry Mediated Enhancement of Single Ion Anisotropy: A Promising Route to High T _b SMMs.	Angewandte Chemie Int. Edition <i>Wiley</i>		52 12780-12782. 2013	11.336	-
77.	Kalita, M. & Bhattacharjee, T. & Barmana, P. & Sarma, B. & Kalita, R. D. & Karmakar, S. & Gogoi, P.	Synthesis, characterization, crystal structure and bioactivities of a new potential tridentate (ONS) Schiff base ligand N-[2-(benzylthio) phenyl] salicylaldimine and its Ni(II), Cu(II) and Co(II) complexes	Polyhedron <i>Elsevier</i>	A	60 (29), 47-53, August 2013	2.05	-

78.	Bhattacharjee, T. & Barman, P. & Thakuria, T. & Sarma, R. & Kalita, R. D. & Sarma, B.	Antimicrobial Investigation and Structural Study of 4'-Methylazobenzene-2-sulphenyl Thiocyanate by X-Ray Diffraction, DFT, and Ab Initio HF Calculations	Heteroatom Chemistry <i>Wiley Online Library</i>	A	24(6), 502-509; November 2013	1.26	-
79.	Lim, C. S. & Das, S. K. & Yang, S. Y. & Kim, E. S. & Chun, H. J. & Cho, ^C B. R.	Quantitative estimation of the total sulphide concentration in live tissues by two-photon microscopy	Analytical Chemistry <i>American Chemical Society</i>	A	85 (19) 9288-9295 Sept. 2013	5.636	14
80.	Deka, P & Deka, R C & Bharali ^C , P	In-situ generated copper nanoparticle catalyzed reduction of 4-nitrophenol	New Journal of Chemistry <i>(Royal Society of Chemistry)</i>	C	38-4, 1789-1793, 4-2014	3.159	11
81.	Sarmah, P & Deka, P & Bharali ^C , P	Catalytic reduction of 4-nitrophenol to 4-aminophenol over CuNi alloy particles: Synthesis, characterization and application	Bulletin of the Catalysis Society of India <i>(Catalysis Society of India)</i>	C	12-3, 54 – 59, 2013	0.5	2
82.	Mandal ^C , S M & Saha, S & Sengupta, J & Pratihari, ^C S.	Kaajal fights against eye pathogens and is safe for eye make-up: a reinvestigation of an ancient practice	Analyst <i>(Royal Society of Chemistry)</i>	P	138, 5197-5199, 2013	4.1	-
83.	Das, D & Pratihari, S & Roy, ^C S	Heterobimetallic Pd-Sn Catalysis: Michael Addition Reaction with C-, N-, O-, S-Nucleophiles and In-situ Diagnostics	<i>The Journal of Organic Chemistry (American Chemical Society)</i>	P	78-6, 2430-2442, 2013	4.7	8
84.	Mallick, ^C A & Roy, U K & Halder, B & Pratihari, S.	Photophysical, NMR and Theoretical Study on the Ion Interaction of Norharmane: Proton Transfer vs. Hydrogen Bonding	RSC Advances <i>(Royal Society of Chemistry)</i>	P	4-31, 16274-16280, 2014	3.84	-
85.	Dutta, K & Deka, ^C R. & Das, D. K.	A new on-fluorescent probe for manganese (II) ion	Journal of Fluorescence	E	23 (2013) 1173-1178.	1.71	4

			<i>Springer</i>				
86.	Kalita, A. & Deka, ^c R. & Mondal, B.	Reaction of a copper (II)–nitrosyl complex with hydrogen peroxide: Phenol ring nitration through a putative peroxyxynitrite intermediate	Inorganic Chemistry, <i>American Chemical Society</i>	E	52 (2013) 10897-10903.	4.65	-
87	Mishra, B. K. & Chakrabartty, A. K. & Bhattacharjee, D. & Deka, ^c R. C.	Theoretical study on the kinetics and branching ratios of the gas phase reactions of 1, 1-Dichlorodimethylether (DCDME) with Cl atom	Structural chemistry, <i>Springer</i>	E	24 (2013) 1621-1626.	1.57	4
88	Chetri, P & Deka, ^c R. C. & Choudhury, A.	Structural and electronic properties of stable Li _n (n=2-10) clusters: A density functional study	Physica B, <i>Elsevier</i>	E	430 (2013) 74-80.	1.33	1
89	Saikia, N. & Jha, A. N. & Deka, ^c R. C.	Interaction of pyrazinamide drug functionalized carbon and boron nitride nanotubes with pncA protein: a molecular dynamics and density functional approach	RSC Advances, <i>Royal Society of Chemistry</i>	E	3 (2013) 15102-15107.	3.76	3
90	Saikia, N. & Deka, ^c R. C.	<i>Ab initio</i> study on the noncovalent adsorption of camptothecin anticancer drug onto graphene, defect modified graphene and graphene oxide	Journal of Computer-Aided Molecular Design, <i>Springer</i>	E	27 (2013) 807-821.	3.07	2
91	Rajkhowa, S. & Hussain, I. & Hazarika, K. K. & Sarmah, P. & Deka, ^c R. C.	Quantitative Structure-Activity Relationships of the Antimalarial Agent Artemisinin and some of its Derivatives - A DFT Approach	Combinatorial Chemistry and High Throughput Screening, <i>Bentham Science Publishers B.V.</i>	E	16 (2013) 590-602.	1.78	-
92	Saikia, L. & Talukdar, D. & Deka, ^c R. C. & Thakur, A, J.	KI-VO(acac) ₂ -H ₂ O ₂ -AcOH as a new iodinating system, selective iodination at C-5 position of activated pyrimidinediones: A combined experimental and density functional study.	Journal of Heterocyclic Chemistry,	E	50 (2013) 1031-1038.	0.99	1

93	Mishra, B. K. & Chakrabartty, A. K. & Deka, ^c R. C.	Theoretical investigation of the gas-phase reactions of CF ₂ ClC(O)OCH ₃ with hydroxyl radical and the chlorine atom at 298 K	Journal of Molecular Modeling, <i>Springer</i>	E	19 (2013) 3263-3270.	1.87	9
94	Chakrabartty, A. K. & Mishra, B. K. & Bhattacharjee, D. & Deka, ^c R. C.	Theoretical study on the kinetics and branching ratios of the gas phase reactions of 4, 4, 4-Trifluorobutanal (TFB) with OH radical in the temperature range of 250- 400 K and atmospheric pressure	Journal of Fluorine Chemistry, <i>Elsevier</i>	E	154 (2013) 60-66.	2.01	11
95	Bania, K. K. & Karunakar, G. V. & Goutham, K. & Deka, ^c R. C	Enantioselective Henry Reaction Catalysed by “Ship in a Bottle” Complexes	Inorganic Chemistry, <i>American Chemical Society</i>	E	52 (2013) 8017-8029.	4.65	10
96	Dutta, K. & Deka, ^c R. C. & Das, D.K.	The First Bifluoride Sensor Based on Fluorescent Enhancement	Journal of Fluorescence <i>Springer</i>	E	23 (2013) 823-828.	1.71	2
97	Bania, K. K. & Deka, ^c R. C	Zeolite-Y Encapsulated Metal Picolinate Complexes as Catalyst for Oxidation of Phenol with Hydrogen Peroxide	Journal of physical Chemistry C, <i>American Chemical Society</i>	E	117 (2013) 11663-11678.	4.54	8
98	Mishra, B. K. & Chakrabartty, A. K. & Deka, ^c R. C.	Theoretical Study on Rate Constants for the Reactions of CF ₃ CH ₂ NH ₂ (TFEA) with the Hydroxyl Radical at 298 K and Atmospheric Pressure	Journal of Molecular Modeling, <i>Springer</i>	E	19 (2013) 2189-2195.	1.87	11
99	Saikia, N. & Deka, ^c R. C.	A comparison of the effect of nanotube chirality and electronic properties on the π - π interaction of single-wall carbon nanotubes with pyrazinamide antitubercular drug	International Journal of Quantum Chemistry, <i>John Wiley and Sons Inc</i>	E	113 (2013) 1272-1284	1.12	3

(2012-13)							
1.	Kalita, A & Kamrupi, I R & Pokhrel, B & Dolui, S K ^c	Polymer-supported heterogeneous titanium-based Ziegler-Natta catalyst for ethylene polymerization	Journal of Applied Polymer Science (Wiley Subscription Services, Inc.)	C	125 (4) 2539-2548 2012	1.7	-
2.	Boruah, M & Gogoi, P & Adhikari, B & Dolui, S K ^c	Preparation and characterization of JatropaCurcas oil based alkyd resin suitable for surface coating	Progress in Organic Coatings (Elsevier)	C	74 (3) 596-602 2012	2.3	15
3.	Kalita, A & Boruah, M & Das, D & Dolui, S K ^c	Ethylene polymerization on polymer supported Ziegler-Natta catalyst	Journal of Polymer Research (Springer Netherlands)	D	19 (6) 1-13 2012	1.8	3
4.	Kamrupi, I R & Pokhrel, B & Kalita, A & Boruah, M & Dolui, S K ^c & Boruah, R	Synthesis of macroporous polymer particles by suspension polymerization using supercritical carbon dioxide as a pressure-adjustable porogen	Advances in Polymer Technology (Wiley Subscription Services, Inc.)	D	31 (2) 154-162 2012	1.09	5
5.	Kamrupi, I R & Dolui, S K ^c	Synthesis of stable dispersion of copper nanoparticles in a water-in-supercritical carbon dioxide using polydimethylsiloxane as the stabiliser	Journal of Experimental Nanoscience (Taylor & Francis Group)	D	7 (3) 243-253 2012	1.04	-
6.	Ali, I & Al-Zahrani, S M & Dolui, S K ^c	Thermotropic poly (azomethine-urethane) s with non linear optical properties: Synthesis and characterization	Polymer Science Series B (SP MAIK Nauka/Interperiodica)	C	54 (5-6) 342-348 2012	0.88	4

7.	Konwer, S & Barthakur, L J & Dolui, S K ^c	Synthesis of graphite incorporated core-shell composite of styrene-methylacrylate/polyaniline by surfactant free mini-emulsion polymerization and evaluation of their electrical property	Journal of Materials Science: <i>Materials in Electronics (Springer US)</i>	C	23 (4) 837-845 2012	1.9	3
8.	Bora, C & Dolui, S K ^c	Fabrication of polypyrrole/graphene oxide nanocomposites by liquid/liquid interfacial polymerization and evaluation of their optical, electrical and electrochemical properties	Polymer (<i>Elsevier</i>)	C	53 (4) 923-932 2012	4.2	82
9.	Pokhrel, B & Kamrupi, I R & Adhikari, B & Boruah, R & Boruah, M & Dolui, S K ^c	Study of optical and photovoltaic properties of N-alkyl substituted polycarbazole derivative and its copolymer with thiophene	Materials and Manufacturing Processes (<i>Taylor & Francis</i>)	C	27 (1) 43-48 2012	1.48	3
10.	Baruah, J J & Das, S P & Borah, R & Gogoi, S R & Islam, N S ^c	Polymer-anchored peroxo compounds of molybdenum and tungsten as efficient and versatile catalysts for mild oxidative bromination	Polyhedron (<i>Werner Special issue</i>) (<i>Pergamon-Elsevier Science</i>)	C	52, SI, 246-254, 2013	2.047	10
11.	Das, S P & Ankireddy, S R & Baruah, J J & Islam, N S ^c	Synthesis and characterization of peroxotungsten(VI) complexes bound to water soluble macromolecules and their interaction with acid and alkaline phosphatases	RSC Advances (<i>Royal Society of Chemistry</i>)	C	2,18 7248-7261, 6-2012	3.708	1
12.	Das, S P & Baruah, J J & Sharma, N & Islam, N S ^c	New polymer-immobilized peroxotungsten compound as an efficient catalyst for selective and mild oxidation of sulfides by hydrogen peroxide	Journal of Molecular Catalysis A: Chemical (<i>Elsevier Science BV</i>)	C	356, 36-45, 4-2012	3.679	15
13.	Das, S P, & Islam, N S ^c	Water soluble polymer bound peroxotungsten(VI) compounds mediate mild oxidative bromination	Proceedings of Andhra Pradesh Academi of	P	15, 1-7 2013		-

			Sciences (PAPAS), <i>Invited paper, 'Women in Science'spl issue on the Eve of International Year of Women)</i>				
14.	Banik, N & Hussain, A & Ramteke, A & Sharma, H K & Maji ^C T K.	Preparation and evaluation of the effect of particle size on the properties of chitosan-montmorillonite nanoparticles loaded with isoniazid	RSC Advances , RSC	C	2 (28) , pp. 10519-10528,2012	3.708	-
15.	Devi, R R & Maji ^C T K.	Effect of nano-SiO ₂ on properties of wood/polymer/clay nanocomposites	Wood Science and Technology, <i>Springer</i>	C	46 (6) , pp. 1151-1168,2012	1.873	1
16.	Deka, B K & Mandal, M & Maji ^C T K.	Effect of nanoparticles on flammability, UV resistance, biodegradability, and chemical resistance of wood polymer nanocomposite	Industrial and Engineering Chemistry Research , ACS	C	51(37) , 11881-11891, 2012	2.235	8
17.	Hussain, M R & Devi, R R & Maji ^C T K.	Controlled release of urea from chitosan microspheres prepared by emulsification and cross-linking method	Iranian Polymer Journal (English Edition) , <i>Springer</i>	C	21 (8) , pp. 473-479, 2012	1.469	2
18.	Deka, B K & Maji ^C , T K.	Effect of silica nanopowder on the properties of wood flour/polymer composite	Polymer Engineering and Science, Wiley	C	Volume 52, Issue 7, Pages 1516-1523, 2012	1.441	15
19.	Iman, M & Maji ^C T K.	Effect of crosslinker and nanoclay on starch and	Carbohydrate	C	89 (1) , pp.	3.916	15

		jute fabric based green nanocomposites	Polymers , <i>Elsevier</i>		290-297, 2012		
20.	Devi, R R & Maji ^C T K.	Study on properties of simul wood (Bombax ceiba L.) impregnated with styrene acrylonitrile copolymer, TiO ₂ , and nanoclay	Polymer Bulletin , <i>Springer</i>	C	69 (1) , pp. 105-123, 2012	1.491	1
21.	Deka, B K & Maji ^C T K.	Effect of nanoclay and ZnO on the physical and chemical properties of wood polymer nanocomposite	Journal of Applied Polymer Science , <i>Wiley</i>	C	124 (4) , pp. 2919-2929, 2012	1.64	12
22.	Deka, B K & Mandal, M & Maji ^C T K.	Plant fibre reinforced polymer blend/clay nanocomposite	Journal of Reinforced Plastics and Composites , <i>SAGE</i>	C	31 (10) , pp. 657-669, 2012	1.188	-
23.	Hazarika, A & Devi, R R & Maji ^C T K.	Studies on properties of softwood (Ficus hispida)/ PMMA nanocomposites reinforced with polymerizable surfactant-modified nanoclay	Polymer Bulletin , <i>Springer</i>	C	68 (7) , pp. 1989-2008, 2012	1.491	1
24.	Devi, R R & Maji ^C T K.	Effect of Nano-ZnO on thermal, mechanical, UV stability, and other physical properties of wood polymer composites	Industrial and Engineering Chemistry Research, <i>ACS</i>	C	51 (10) , pp. 3870-3880, 2012	2.235	17
25.	Devi, R R & Mandal, M & Maji ^C T K.	Physical properties of simul (red-silk cotton) wood (Bombax ceiba L.) chemically modified with styrene acrylonitrile co-polymer and nanoclay	Holzforschung , <i>Walter de Gruyter</i>	C	66 (3) , pp. 365-371, 2012	2.339	12
26.	Devi, N & Kakati, D K & Maji ^C T K.	Development of polyelectrolyte complex microparticles for the encapsulation of isoniazid	Macromolecular Symposia , <i>Wiley</i>	C	313-314 (1) , pp. 69-78, 2012	-	-
27.	Devi, R R & Maji ^C T K.	Chemical modification of simul wood with styrene-acrylonitrile copolymer and organically modified nanoclay	Wood Science and Technology ,	C	46 (1-3) , pp. 299-315, 2012	1.873	32

			<i>Springer</i>				
28.	Kalita, H & Mandal, M & Karak ^C , N.	Biodegradable solvent induced shape memory hyperbranched polyurethane	J. Polym. Res. <i>Springer</i>	C	19 1-8 2012	1.897	14
29.	Thakur, S & Karak ^C , N.	Green reduction of graphene oxide by aqueous phytoextracts	Carbon <i>Elsevier</i>	C	50 5331–5339 2012	6.160	61
30.	Konwarh, R & Pramanik, S & Kalita, D & Mahanta CL & Karak ^C , N.	Ultrasonication- a complementary 'green chemistry' tool to biocatalysis: a laboratory-scale study of lycopene extraction	Ultrasonics Sonochem. <i>Elsevier</i>		19 292-299 2012	3.816	21
31.	Das, G & Karak ^C , N.	<i>Mesua ferrea</i> L. seed oil based amido-amine modified nanoclay/epoxy nanocomposites	J. Appl. Polym. Sci. <i>Willey</i>	C	124 2403–2414 2012	1.60	1
32.	Deka, M & Kumar, A & Deka, H & Karak ^C , N.	Ionic transport studies in hyperbranched polyurethane/clay nanocomposite gel polymer electrolytes	Ionics <i>Springer</i>	C	18 181–187 2012	1.836	4
33.	Das, G & Bordoloi, NK & Rai, SK & Mukherjee, AK & Karak ^C , N.	Biodegradable and biocompatible epoxidized vegetable oil modified thermostable poly(vinyl chloride):Thermal and Performance characteristics post biodegradation with <i>Pseudomonas aeruginosa</i> and <i>Achromobacter</i> sp.	J. Hazardous Mater <i>Elsevier</i>	C	209-210 435-442 2012	4.331	3
34.	Das, G & Roy, JK & Mukherjee, AK & Karak ^C , N.	<i>Mesua ferrea</i> L. seed oil modified sulfone epoxy resin and multi-walled carbon nanotube nanocomposites and their biomedical and mechanical properties	Adv. Sci. Lett. <i>ASP</i>	C	6 237-245 2012	1.253	2
35.	Pramanik, S & Karak ^C , N & Banerjee, S & Kumar A	Effects of solvent interactions on the structure and property of prepared PANi nanofibers	J. Appl. Polym. Sci. <i>Willey</i>	C	126 830-836 2012	1.600	9
36.	Konwar, U & Jana, T & Karak ^C , N.	Vegetable oil-based highly branched polyester modified epoxy based low voc high solid industrial paint	J. Appl. Polym. Sci. <i>Willey</i>	C	125 E2–E9 2012	1.60	4
37.	Konwar, U & Karak ^C , N & M. Mandal	Vegetable oil based highly branched polyester/multi-walled carbon nanotubes nanocomposites as advanced materials	Adv. Sci. Lett. <i>ASP</i>	C	16 265-273 2012	1.253	2
38.	Das, G & Karak ^C , N.	Epoxidized <i>Mesua ferrea</i> L. seed oil plasticized	J. Vinyl	C	18	1.0	8

		thermostable PVC and clay nanocomposites	Additive Technol <i>Willey</i>		168-177 2012		
39.	Kalita, H & Karak ^C , N.	Bio-based elastomeric hyperbranched polyurethanes for shape memory application	Iran. Polym. J. <i>Springer</i>	C	21 263-271 2012	1.469	9
40.	Roy, B & Karak ^C , N.	Synthesis and characterization of thermostable hyperbranched epoxy resin for surface coating applications	J. Mater. Res <i>MRS</i>	C	7 1806-1814 2012	-	4
41.	Roy, B & Karak ^C , N.	Modification of hyperbranched epoxy by vegetable oil based highly branched polyester resin	Polym. Bull <i>Springer</i>	C	68 2299-2312 2012	1.491	4
42.	Kalita, H & Karak ^C , N.	<i>Mesua ferrea</i> L. seed oil based hyperbranched shape memory polyurethanes: Effect of multifunctional component	Polym. Eng. Sci. <i>Willey</i>	C	52 2454-2461 2012	1.441	12
43.	Pramanik, S & Sagar, K & Konwar BK & Karak ^C , N.	Synthesis, characterization and properties of a castor oil modified biodegradable poly(ester amide) resin	Prog. Org. Coat. <i>Elsevier</i>	C	75 569-578 2012	2.302	12
44.	Konwarh, R & Pramanik, S & Devi, KSP & Saikia, N & Boruah, R & Maiti, TK & Deka, RC & Karak ^C , N.	Lycopene coupled 'trifoliolate' polyaniline nanofibers as multifunctional biomaterial	J. Mater. Chem. <i>RSC</i>	C	22 15062 - 15070 2012	6.6	5
45.	Boruah, B & Saikia, P. M & Dutta, R. K	Binding and stabilization of curcumin by mixed chitosan-surfactant systems: A spectroscopic study,	Journal of Photochemistry and Photobiology A: Chemistry,	C	245, 2012, 18-27	2.413	-
46.	Das, V. K. & Devi, R. R. & Thakur, A. J. ^C	Recyclable, highly efficient and low cost nano-MgO for amide synthesis under SFRC: A convenient and greener 'NOSE' approach	Applied Catalysis A: General, <i>Elsevier</i>	A	456, 118-125, 2013.	3.410	7
47.	Das, S. ^C & Thakur, A. J.	An efficient stereo-controlled synthesis of bis-pyrimido-[4,5- <i>d</i>]-pyrimidine derivatives via azadiels-Alder methodology and their preliminary	RSC advances, <i>Royal Society of Chemistry</i>	A	3(10), 3407-13, 2013.	3.708	4

		bioactivity.					
48.	Talukdar, D. & Thakur, A. J. ^C	A green synthesis of symmetrical bis(indol-3-yl)methanes using phosphate impregnated titania catalyst under solvent free grinding conditions.	Green Chemistry Letters and Reviews, Taylor and Francis	A	6(1), 55-61, 2012	1.392	4
49.	Das, V. K. & Das, S. & Thakur, A. J. ^C	Protection and deprotection chemistry catalysed by Zirconium Oxide Octahydrate (ZrOCl ₂ ·8H ₂ O).	Green Chemistry Letters and Reviews, Taylor and Francis	A	5(4), 577-586, 2012.	1.392	3
50.	Saikia, B. K. ^C & Das, S. & Sridhar, B. & Thakur, A. J.	An X-ray crystallographic study of C-5 and C-6 substituted 1,3-dimethyl-6-aminouracil architectures.	Journal of Chemical Crystallography, Springer	A	42(7), 711-720, 2012	0.57	1
51.	Purkayastha, M. D. & Kalita, D. & Das, V. K. & Mahanta, C. L. ^C & Thakur, A. J. & Chaudhuri, M. K. ^C	Effects of L-ascorbic acid addition on micro-filtered coconut water: Preliminary quality prediction study using ¹ H-NMR, FT-IR and GC-MS.	Innovative Food Science and Emerging Technologies, Elsevier	A	13, 184-199, 2012	2.528	5
52.	Das, S. & Das, V. K. & Saikia, L. & Thakur, A. J. ^C	Environment-friendly and solvent free synthesis of symmetrical bis-imines under microwave irradiation.	Green Chemistry Letters and Reviews, Taylor and Francis	A	5(3), 457-474. 2012	1.392	3
53.	Das, V. K. & Devi, R. R. & Raul, P. K. & Thakur, A. J. ^C	Nano rod shaped and reusable basic Al ₂ O ₃ catalyst for N-formylation of amines under solvent free condition: A novel, practical and convenient 'NOSE' approach	Green Chemistry, Royal Society of Chemistry	C	14(3), 847-854, 2012	6.828	16
54.	Phukan, A. K. ^C & Guha, A. K.	Stabilization of Cyclic and Acyclic Carbon(0) Compounds by Differential Coordination of	Dalton Transactions ,	C	41, 8973-8981,	3.806	-

		Heterocyclic Carbenes : A Theoretical Assessment	<i>Royal Society of Chemistry</i>		2012.		
55.	Guha, A. K. & Phukan, A. K. ^C	Do Carbenes have “Hidden” Carbon (0) Character? Revisiting the Electronic Structure of 2,2'-Bipyridyl Carbene	<i>Chem. Eur. J., Wiley-VCH</i>	C	18, 4419–4425, 2012.	5.831	9
56.	Guha, A. K. & Konwar, B. & Sarmah, S. & Phukan, A. K. ^C	Effect of Substituents at the Heteroatom on the Structure and Ligating Properties of Carbodicarbenes and its Silicon Analogs: A Theoretical Study	<i>Theor. Chem. Acc., Springer.</i>	C	131, 1134-1145, 2012.	2.233	2
57.	Devi, R & Borah, R & Deka, ^C R C	Design of zeolite catalysts for nitroaldol reaction under mild condition	Applied Catalysis A: General, Elsevier	C	433-434, 122-127, 8-2012	3.41	4
58.	Gogoi, N. & Thlijeni, M. & Duhayon, C. & Sutter, J.P.	Heptacoordinated Ni ^{II} as Ising-type Anisotropic Building Unit: Illustration with a Pentanuclear [(NiL) ₃ {W(CN) ₈ } ₂] Complex	Inorganic Chemistry ACS	C	52 2283–2285 .2013	4.794	-
59.	Ruamps, R. & Batchelor, L. J. & Maurice, R. & Gogoi, N. & Jiménez-Lozano, P. & Guihéry, N. & Graaf, C. D. & Barra, A. L. & Sutter, J. P. & Mallah, T.	Origin of the magnetic anisotropy in Ni(II) and Co(II) heptacoordinate complexes.	Chemistry- A European Journal Wiley	C	19 950-956. 2013	5.696	-
60	Bharali, P & Saikia, P & Reddy ^C , B M	Large-scale synthesis of ceria-based nano-oxides with high CO oxidation activity	Catalysis Science & Technology (<i>Royal Society of Chemistry</i>)	C	2-5, 931-933, 5-2012	4.76	7
61	Bharali, P & Thrimurthulu, G & Katta, L & Reddy ^C B M	Preparation of highly dispersed and thermally stable nonosized cerium-hafnium solid solutions over silica surface: structural and catalytic evaluation	Journal of Industrial and Engineering Chemistry (<i>Elsevier Science</i>)	C	18-3, 1128-1135, 5-2012	2.063	5
62	Saikia, N & Deka, ^C R C	First principles study on the boron-nitrogen	Comput.	B	996 (2012)	1.44	1

		domains segregated within (5,5) and (8,0) single-wall carbon nanotubes: Formation energy, electronic structure and reactivity	Theor. Chem. <i>Elsevier</i>		11-20		
63	Bania, K & Deka, ^C R C	Experimental and Theoretical Evidence for Encapsulation and Tethering of 1, 10 Phenanthroline Complexes of Fe, Cu and Zn in Zeolite-Y	J. Phys. Chem. C <i>ACS</i>	B	116 (2012) 14295-14310	4.81	2
64	Baishya, S & Deka, ^C R C	Exploring Structures, Electronic and Reactivity Properties of Au ₆ H _n (n=1-12) clusters: A DFT approach	Comput. Theor. Chem. <i>Elsevier</i>	B	1002 (2012) 1-8	1.44	1
65	Sarma, M & Kumar, V & Kalita, A & Deka, ^C R C & Mondal, B	Nitric oxide reactivity of copper(II) complexes of bidentate amine ligands: Effect of chelate ring size on the stability of [Cu ^{II} -NO] intermediate	Dalton Trans., <i>RSC</i>	B	41 (2012) 9543-9552	3.84	1
66	Devi, R & Borah, R & Deka, ^C R C	Design of Zeolite Catalysts for Nitroaldol Reaction under Mild Condition	Appl. Catal. A: General <i>Elsevier</i>	B	433-434 (2012) 122-127	3.90	-
67	Saikia, N & Pati, S K & Deka, ^C R C	First principles calculation on the structure and electronic properties of BNNTs functionalized with isoniazid drug molecule	Applied Nanoscience <i>Springer</i>	B	2 (2012) 389-400	-	1
68	Deka, A & Deka, ^C R C	A density functional study on equilibrium geometries, stabilities and electronic properties of Au ₅ Li binary clusters	Applied Nanoscience <i>Springer</i>	C	2 (2012) 359-364	-	1
69	Bania, K & Bharali, D & Viswanathan, B & Deka, ^C R C	Enhanced Catalytic Activity of Zeolite Encapsulated Fe(III) Schiff Base Complex for Oxidative Coupling of 2-Naphthol	Inorganic Chemistry <i>ACS</i>	C	51 (2012) 1657-1674	4.60	1
70	Kalita, A & Pankaj & Deka, ^C R C & Mandal, B ^C	First example of Cu(I)-(η ² -O,O)nitrite complex derived from Cu(II)- nitrosyl	Chem. Commun. <i>RSC</i>	C	48 (2012) 1251-1253	6.17	4
71	Barua, N & Sarmah, P & Hussain, & Deka, ^C R C & Buragohain, A K	DFT-based QSAR Models to Predict the Antimycobacterial Activity of Chalcones	Chemical Biology & Drug Design	C	79 (2012) 553-559	2.28	-
72	Devi, R & Borah, R & Deka, ^C R C	Design of zeolite catalysts for nitroaldol reaction under mild condition	Applied Catalysis A: General <i>Elsevier</i>	C	2012, 122,433-434	3.961	-

(2011-12)							
1.	Pokhrel, B & Konwer, S & Dutta, A & Huda, M K & Ghosh, B & Dolui, S K ^c	Study of photovoltaic performance of host-guest system comprising photoluminescent polyurethane and rhodamine B dye	Journal of Applied Polymer Science (Wiley Subscription Services, Inc., A Wiley Company)	C	122 (5) 3316-3321 2011	1.7	3
2.	Kamrupi, I R & Dolui, S K ^c	Synthesis of polystyrene/bentonite clay nanocomposites by emulsion polymerization in aqueous and in supercritical carbon dioxide medium	Journal of Composite Materials (Sage Publications)	C	45 (23) 2437-2446 2011	1.25	1
3.	Konwer, S & Boruah, R & Dolui, S K ^c	Studies on conducting polypyrrole/graphene oxide composites as supercapacitor electrode	Journal of electronic materials (Springer US)	C	40 (11) 2248-2255 2011	1.9	50
4.	Pokhrel, B & Kalita, A & Dolui, S K ^c	Synthesis, characterization, and study of electrochemical behavior of N-alkyl substituted polycarbazole derivatives	International Journal of Polymeric Materials (Taylor & Francis Group)	A	60 (11) 825-836 2011	1.3	4
5.	Borthakur, L J & Konwer, S & Das, R & Dolui, S K ^c	Preparation of conducting composite particles of styrene-methyl acrylate copolymer as the core and graphite-incorporated polypyrrole as the shell by surfactant-free mini emulsion polymerization	Journal of Polymer Research (Springer Netherlands)	A	18 (5) 1207-1215 2011	1.8	7
6.	Konwer, S & Gogoi, I P & Kalita, A & Dolui, S K ^c	Synthesis of expanded graphite filled polyaniline composites and evaluation of their electrical and electrochemical properties	Journal of Materials Science: Materials in	A	22 (8) 1154-1161 2011	1.9	3

			Electronics (Springer US)				
7.	Borthakur, L J & Sharma, S & Dolui, S K ^c	Studies on Ag/Polypyrrole composite deposited on the surface of styrene-methyl acrylate copolymer microparticles and their electrical and electrochemical properties	Journal of Materials Science: Materials in Electronics (Springer US)	B	22 (8) 949-958 2011	1.9	11
8.	Konwer, S & Maiti, J & Dolui, S K ^c	Preparation and optical/electrical/electrochemical properties of expanded graphite-filled polypyrrolenanocomposite	Materials Chemistry and Physics (Elsevier)	B	128 (1) 283-290 2011	1.2	19
9.	Maiti, J & Srivastava, R & Kamalasanan, M N & Dolui, S K ^c	Quinolinyl-moiety-containing 3-ester-substituted polythiophenes showing fluorescence efficiency	Polymer International (John Wiley & Sons, Ltd.)	C	60 (7) 1030-1038 2011	2.3	2
10.	Dutta, A & Dolui, S K ^c	Tannic acid assisted one step synthesis route for stable colloidal dispersion of nickel nanostructures	Applied Surface Science (North-Holland)	C	257 (15) 6889-6896 2011	2.5	17
11.	Kamrupi, I R & Dolui, S K ^c	Synthesis of copper-polystyrene nanocomposite particles using water in supercritical carbon dioxide medium and its antimicrobial activity	Journal of Applied Polymer Science (Wiley Subscription Services, Inc)	C	120 (2) 1027-1033 2011	1.6	15
12.	Pokhrel, B & Kamrupi, I R & Maiti, J & Adhikari, B & Dolui, S K ^c	Synthesis, characterization, and photovoltaic properties of poly (3-phenyl azomethinealkylthiophene) polymers	Journal of electronic materials (Springer US)	C	40 (2) 149-156 2011	1.6	3
13.	Boruah, J J & Kalita, D & Das, S P & Paul, S & Islam, N S ^c	Polymer-Anchored Peroxo Compounds of Vanadium(V) and Molybdenum(VI): Synthesis, Stability, and Their Activities with Alkaline	Inorganic Chemistry (American	p	50-17 8046- 8062,	4.794	13

		Phosphatase and Catalase	<i>Chemical Society)</i>		2-2011		
14.	Das, S P & Baruah, J J & Chetry, H & Islam, N S ^c	Selective oxidation of organic sulfides by mononuclear and dinuclear peroxotungsten(VI) complexes	Tetrahedron Letters (<i>Pergamon-Elsevier Science Ltd</i>)	P	53-9 1163-1168 2-2012	2.391	11
15.	Kumar, V B & Sawian, C E & Mohanta, D ^c & Baruah, S & Islam, N S ^c	Physical and biophysical characteristics of nanoscale tungsten oxide particles and their interaction with human genomic DNA	Journal of Nanoscience and Nanotechnology (<i>American Scientific Publishers</i>)	P	11-6 4659-4666 6-2011	1.339	4
16.	Chatterjee ^c , N & Kiran, S & Ram, B M & Islam, N S & Ramasarma, T & Ramakrishna, G	Diperoxovanadate can substitute for H ₂ O ₂ at much lower concentration in inducing features of premature cellular senescence in mouse fibroblasts (NIH3T3)	Mechanisms of Ageing and Development (<i>Elsevier Ireland Ltd</i>)	p	132,5 230-239 5, 2011	3.510	4
17.	Khanna ^c , V & Jain, M & Barthwal, M K & Kalita, D & Boruah, J J & Das, S P & Islam, N S & Ramasarma, T & Dikshit, M	Vasomodulatory effect of novel peroxovanadate compounds on rat aorta: Role of rho kinase and nitric oxide/cGMP pathway	Pharmacological Research (<i>Academic Press Ltd-Elsevier Science Ltd</i>)		64, 3, 274-282 9, 2011	3.976	13
18.	Deka, B K & Dutta, N & Maji ^c T K.	Effect of different compatibilisers and nanoclays on the physical properties of wood (Phragmites karka)-polymer composites	Polymers from Renewable Resources, <i>Polymer Journal</i>	P	2 (3) , pp. 87-104, 2011		1
19.	Deka, B K & Mandal, M & Maji ^c T K.	Study on properties of nanocomposites based on HDPE, LDPE, PP, PVC, wood and clay	Polymer Bulletin, <i>Springer</i>	P	67 (9) , pp. 1875-1892, 2011	1.491	17
20.	Deka, B K & Maji ^c , T K.	Effect of TiO ₂ and nanoclay on the properties of	Composites	P	42 (12) ,	3.012	32

		wood polymer nanocomposite	Part A: Applied Science and Manufacturing ,Elsevier		pp. 2117-2125, 2011		
21.	Devi, N & Maji ^C T K.	Study of complex coacervation of gelatin a with sodium carboxymethyl cellulose: Microencapsulation of neem (Azadirachta Indica A. Juss.) seed oil (NSO)	International Journal of Polymeric Materials and Polymeric Biomaterials , Taylor & Francis	P	60 (13) , pp. 1091-1105, 2011	2.784	6
22.	Devi, R R & Maji ^C T K.	Preparation and characterization of wood/styrene-acrylonitrile copolymer/MMT nanocomposite	Journal of Applied Polymer Science ,Wiley	P	122 (3) , pp. 2099-2109, 2011	1.64	13
23.	Deka, B K & Maji ^C T K.	Study on the properties of nanocomposite based on high density polyethylene, polypropylene, polyvinyl chloride and wood	Composites Part A: Applied Science and Manufacturing , Elsevier	P	42 (6) , pp. 686-693, 2011	3.012	37
24.	Konwar, U & Mandal, M & Karak ^C , N.	Mesua ferrea L. seed oil based acrylate-modified thermostable and biodegradable highly branched polyester resin/clay nanocomposites	Prog. Org. Coat Elsevier	do	72 676-685 2011	2.302	2
25.	Konwarh, R & Gogai, B & Philip, R & Laskar MA & Karak ^C , N.	Biomimetic preparation of polymer- supported free radical scavenging, cytocompatible and antimicrobial "green" silver nanoparticles using aqueous extract of Citrus sinensis peel	Colloids Surf. B Elsevier	do	84 338-345 2011	4.287	40
26.	Konwar, U & Karak ^C , N.	Hyperbranched polyether core containing vegetable oil modified polyester and its clay nanocomposites	Polymer J. Nature	do	43 565-576 2011	1.554	6
27.	Konwarh, R & Karak ^C , N & Ermine Sawian, C &	Effect of sonication and aging on the templating attribute of starch for "green" silver nanoparticles	Carbohydrate Polym.	do	83 1245-1252	3.916	17

	Baruah, S & Mandal, M	and their interactions at bio-interface	<i>Elsevier</i>		2011		
28.	Borah, JS & Karak ^C , N & Chaki, TK.	Effect of organoclay platelets on morphology and properties of LLDPE/EMA blends	Mater. Sci. Eng. <i>Elsevier</i>	do	528 2820-2830 2011	2.409	8
29.	Konwar, U & Das, G & Karak ^C , N.	<i>Mesua ferrea</i> L. seed oil based highly branched polyester and epoxy blends and their nanocomposites	J. Appl. Polym. Sci. <i>Willey</i>	do	121 1076-1085 2011	1.60	11
30.	Konwar, U & Karak ^C , N.	Epoxy modified <i>Mesua ferrea</i> L. seed oil based polyester/clay nanocomposites	Int. J. Polym. Mater	do	60 799-816 2011	-	5
31.	Deka, H & Karak ^C , N.	Rheological study of vegetable oil based hyperbranched polyurethane/ multi-walled carbon nanotube nanocomposites	Polym.-Plastics Technol. Eng <i>Taylor & Francis</i>	do	50 797-803 2011	1.481	10
32.	Deka, H & Karak ^C , N.	Bio-based hyperbranched polyurethane/clay nanocomposites: adhesive, mechanical, and thermal properties	Polym. Adv. Technol. <i>Willey</i>	do	22 973-980 2011	1.964	23
33.	Konwar, U & Karak ^C , N. & M. Mandal	<i>Mesua ferrea</i> L. seed oil based highly branched environment friendly polyester resin/clay nanocomposites	J. Polym. Environ. <i>Springer</i>	do	91 90-99 2011	1.63	5
34.	Nath, S. K & Bordoloi, S & Dutta, R. K	Effect of acid on morphology of calcite during acid enhanced defluoridation	Journal of Fluorine Chemistry,	P	132 (2011) 19–26	2.033	5
35.	Bordoloi, S & Nath, S. K & Dutta, R. K	Iron ion removal from groundwater using banana ash, carbonates and bicarbonates of Na and K, and their mixtures,	Desalination	P	281 (2011) 190–198	2.59	2
36.	Boruah, B & Gohain, B & Saikia, P. M & Borah, M & Dutta, R.K	Acid–base equilibrium of neutral red in aqueous nonionic surfactant–polymer systems	Journal of Molecular Liquids	P	160, 2011, 50-56	1.58	-
37.	Boro, J. & Deka, D. ^C & Thakur, A. J.	A review on solid oxide derived from waste shells as catalyst for biodiesel production.	Renewable & Sustainable Energy Reviews, <i>Elsevier</i>	A	16(1), 904–910, 2012	5.627	33

38.	Saikia, L. & Baruah, J. M. & Thakur, A. J. ^C	A rapid, convenient, solventless green approach for the synthesis of oximes using grindstone chemistry.	Organic and Medicinal Chemistry Letters, <i>Springer</i>	A	1(10), 12-17, 2011.	Will appear in 2015	11
39.	Boro, J. & Thakur, A. J. & Deka, D. ^C	Solid oxide derived from waste shells of <i>Turbonilla striatula</i> as a renewable catalyst for biodiesel production.	Fuel Processing Technology, <i>Elsevier</i>	A	92(10), 2061–67, 2011	2.816	54
40.	Talukdar, D. & Saikia, L. & Thakur, A. J. ^C	Zirconyl chloride: An efficient, water-tolerant and reusable catalyst for the synthesis of <i>N</i> -methylamides	Synlett, <i>Thieme</i>	A	11, 1597-1601, 2011	2.655	5
41.	Bharali, P. & Das, S. & Konwar, B. K. ^C & Thakur, A. J.	Crude biosurfactant from thermophilic <i>Alcaligenes faecalis</i> : Feasibility in petro-spill bioremediation.	International Biodeterioration & Biodegradation, <i>Elsevier</i>	A	65(5), 682-690., 2011	2.059	20
42.	Das, S. & Thakur, A. J. ^C	A clean, highly efficient and one-pot green synthesis of aryl/alkyl/ heteroaryl bis(6-amino-1,3-dimethyluracil-5-yl)methanes in water.	European Journal of Organic Chemistry, <i>Wiley</i>	A	12, 2301-2308, 2011	3.344	12
43.	Das, S. & Thakur, A. J. ^C	A green development of Bernthsen 9-substituted acridine synthesis in the absence of solvent catalysed by <i>p</i> -toluenesulphonic acid (<i>p</i> -TSA).	Green Chemistry Letters and Reviews, <i>Taylor and Francis</i>	A	4(2), 131-135, 2011	1.392	9
44.	Gogoi, U. & Guha, A. K. & Phukan, A. K. ^C	Nature of Intramolecular Metal-Metal Interactions in Supported Group 4-Group 9 and Group 6-Group 9 Heterobimetallic Complexes: A Combined Density Functional Theory and Topological Study	Organometallics, <i>American Chemical Society</i>	A	30, 5991-6002, 2011.	4.253	3
45.	Guha, A. K. & Phukan, A.	Why Vanadium Complexes Perform Poorly in	Inorg. Chem.,	A	50, 8826-	4.794	7

	K. ^C	Comparison to Related Molybdenum Complexes in the Catalytic Reduction of Dinitrogen to Ammonia (Schrock Cycle): A Theoretical Study	<i>American Chemical Society</i>		8833, 2011.		
46.	Guha, A. K. & Phukan, A. K. ^C	Nature of Intramolecular Transannular Interaction in Group 13 Atranes: A Theoretical Study	<i>Inorg. Chem., American Chemical Society</i>		50, 1361-1367, 2011.	4.794	9
47.	Borah, K J & Borah, ^C R	Investigation of Prins reaction for the synthesis of 2, 4- disubstituted tetrahydropyran derivatives and 1, 3-dioxanes using polyaniline supported acid as reusable catalyst	<i>Journal of Chemical Sciences, Springer</i>	P	123-5, 623-630, 9-2011	1.19	2
48.	Borah, K J & Borah, ^C R	Poly(4-vinylpyridine)-supported sulfuric acid: an efficient solid acid catalyst for the synthesis of coumarin derivatives under solvent-free conditions	<i>Monatshefte für Chemie – Chemical Monthly, Springer</i>	P	142, 1253-1257, 6-2011	1.532	8
49.	Borah, K J & Dutta, P & Borah, ^C R	Synthesis, Characterization and Application of Poly(4-vinylpyridine)-Supported Brønsted Acid as Reusable Catalyst for Acetylation Reaction	<i>Bulletin of the Korean Chemical Society, Wiley Online Library</i>	P	32-1, 225-228, 1-2011	0.906	6
50.	Sardar, S. & Puzari, P. & Adhikari, S.	Multi – state multi – mode nuclear dynamics on three isomers of C ₆ H ₄ F ₂ ⁺ using parallelize TDDVR approach.	<i>Phys. Chem. Chem. Phys., RSC</i>		13, 15960-15972 (2011).	4.2	3
51.	Venkatakrishnan, T. S. & Duhayon, C. & Gogoi, N. & Sutter, J.P.	Self Assembly of a Fe ^{III} (L) complex with octacyano metallates [M ^{IV} (CN) ₈] ⁴⁻ (L = pentadentate macrocyclic ligand, M = Mo, W): Crystal structure and Magnetic properties.	<i>Inorganica Chimica Acta Sciencedirect</i>	P	372, 403-406 2011	2.041	-
52.	Rao, K N & Venkataswamy, P & Bharali, P & Ha, H P & Reddy ^C , B M	Monolayer V ₂ O ₅ /TiO ₂ –ZrO ₂ catalysts for selective oxidation of o-xylene: preparation and characterization	<i>Research on Chemical Intermediates (Springer)</i>	C	38-3-5, 733-744, 3-2012	1.540	2
53.	Bharali, P & Kuratani, K & Takeuchi, T & Kiyobayashi, T &	Capacitive Behavior of Amorphous and Crystalline RuO ₂ Composite Electrode Fabricated by Spark Plasma Sintering Technique	<i>Journal of Power Sources (Elsevier)</i>	C	196-18, 7878-7881, 9-2011	5.211	5

	Kuriyama ^C , N		Science)				
54.	Baishya, S & Deka, ^C R C	DFT/MM studies on activated adsorption of oxygen on zeolite supported gold monomer	J. Chem. Phys. <i>American Institute of Physics</i>	A	135 (2011)244703	3.33	-
55.	Kalita, A & Kumar, P & Deka, ^C R C & Mondal, B	Role of Ligand to Control the Mechanism of Nitric Oxide Reduction of Copper(II) Complexes and Ligand Nitrosation	Inorg. Chem. ACS	A	50 (2011) 11868-11876	4.60	7
56.	Bania, K & Deka, ^C R C	Influence of zeolite framework on structure, properties and reactivity of cobalt phenanthroline complex: A combined experimental and computational study	J. Phys. Chem. C ACS	A	115 (2011) 9601-9607	4.81	2
57.	Sarmah, P & Deka, ^C R C	Stability and Proton Transfer in DNA Base Pairs of AMD473-DNA Adduct	Chem. Phys. Lett. (Elsevier Science)	A	508 (2011) 295-299	2.34	4
58.	Chutia, A & Sahnoun, R & Deka, R C & Zhu, Z & Tsuboi, H & Takaba, H & Miyamoto, A	Local electronic and electrical properties of functionalized graphene nano flakes	Physica B (Elsevier Science)	A	406 (2011) 1665-	1.06	2
59.	Baishya, S & Deka, ^C R C	DFT/MM studies on activated adsorption of oxygen on zeolite supported gold monomer	J. Chem. Phys. <i>American Institute of Physics</i>	A	135 (2011) 244703	1.44	9
60	Hazra S, Roy B and Majumdar, ^C K. C.	Gold-catalyzed heteroannulation and allyl migration: synthesis of highly functionalized indole derivatives.	<i>Tetrahedron Lett.</i>	A	52 (2011), 6697-6701.	2.379	10
61	Mondal S. and Majumdar ^C K. C.	Recent Developments in the Synthesis of Fused Sultams.	<i>Chem. Rev.</i>	A	111 (2011), 7749-7773.	46.568	41
62	Taher A., S. Ponra S. and Majumdar K. C.	Regioselective Synthesis of Chromeno[4,3-c]pyrano[3,2-c] [1,8] naphthyridin-13-one Derivatives by Domino Knoevenagel-Hetero-Diels-Alder Reactions.	<i>Synthesis-Stuttgart</i>	A	34 (2011), 3716-3722.	2.689	9
63	Ponra S., Nandi R. K. and	BF ₃ center dot OEt ₂ -Mediated 1,3-Hydride Shift	<i>Eur. J. Org.</i>	A	(2011)	3.065	7

	Majumdar K. C.	Followed by 6p Electrocyclization: An Efficient Route for the Synthesis of Pyridopyrimidine, Pyranoquinoline, and Phenanthroline Derivatives.	<i>Chem.</i>		6909-6915		
64	Ganai S., Chattopadhyay B., Ray K. and Majumdar K. C.	Palladium-Catalyzed One-Pot Synthesis of Pyrrole-Annulated Coumarin, Quinolone, and 7-Aza-indole Derivatives.	<i>Synlett</i>	A	(2011), 2369-2373.	2.419	7
65	I. Ansary, R. N. De, B. Roy and K. C. Majumdar.	Iodine-Mediated Neighboring Group Assisted Synthesis of Unsymmetrical 1,2-Diketone/Benzil Derivatives from o-(Alkynyl)benzamides.	<i>Synthesis-Stuttgart</i>	A	(2011), 2951-2958.	2.689	1

B. Seminar/ Conference /Workshop Publications

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
(2014-15)						
1	N. Karak	Biodegradable Hyperbranched Polymer Nanocomposites for Biomedical Applications	QIP short term course on Advances in Biomedical Engineering, IIT Guwahati	N	2015	-
2	N. Karak	Bio-based hyperbranched polymeric nanocomposites for multifaceted advanced applications	National seminar on Multifunctional Polymer Materials (Poly-2014), Viva-Bharatir, Santiniketan	N	2015	-
3	N. Karak	Bio-based hyperbranched poly(ester amide) nanocomposites: Advanced multifaceted materials	International symposium on Polymer Science and Technology (Macro-2015), IACS, Kolkata	I	2015	-
4	N. Karak	Bio-based industrially important hyperbranched polymeric nanocomposites as sustainable advanced materials	National symposium on Advances in sustainable polymers (ASP-2015), IIT Guwahati	N	2015	-
5	N. Karak	Material research on bio-based hyperbranched polymers, nanomaterials and nanocomposites Through greener approaches	Continuing education program (CEP-2014), DRL, Tezpur	N	2014	-
6	N. Karak	Emerging trend in material research on vegetable oil based hyperbranched	Environmental and Material Sciences (CEMS-2014), Punjab	N	2014	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
		polymer nanocomposites for multifaceted applications, National Conference on Recent Trends in Chemical	University, Chandigarh			
7	N. Karak	Nano composites, smart polymers and their properties, Workshop on Testing and Quality Control of Plastic Products	CIPET Guwahati	N	2014	-
8	N. Karak	Green and sustainable hyperbranched polymers and their nanocomposites for multifaceted advanced applications	National school on sustainable polymers and First symposium on advances in sustainable polymers (ASP-14), IIT Guwahati	N	2014	-
9	Sarmah, M & Banik, N & Hussain, A & Ramteke, A & Maji ^C , T K	Development of MMT based gelatin microparticles for controlled drug delivery application	Recent Advances in Chemical Research Rajib Gandhi University, Arunachal Pradesh, India	N	March 20-21, 2014.	-
10	Baishya P & Maji ^C , T K	Effects of MMT on the properties of wood-starch-nanocomposites	Recent Advances in Chemical Research Rajib Gandhi University, Arunachal Pradesh, India	N	March 20-21, 2014.	-
11	Gogoi, P & Thakur, A J & Banerjee, S & Devi, R R & Veer, V & Maji ^C , T K	Moringa Oleifera seeds and its composite with chitosan; promising materials for defluoridation of water	Recent Advances in Chemical Research Rajib Gandhi University, Arunachal Pradesh, India	N	March 20-21, 2014.	-
12	Baishya P & Maji ^C , T K	Studies on properties of multi-walled carbon nanotube based wood starch composite	Wood is Good: Current Trends and Future Prospects in Wood Utilization Institute of Wood science and technology, Bangalore, India	I	November 21-23, 2014	-
13	Sarmah, M & Banik N &	Development and evaluation of isoniazid loaded gelatin-cellulose whiskers	CRSI Symposium, 2014 RRL Jorhat and Tezpur	N	July 10-12, 2014.	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
	Hussain, A & Ramteke, A & Maji ^C , T K	microparticles and study of its application in controlled drug release technology	University			
14	Sarmah, M & Maji ^C , T K	Development of cellulose whiskers and montmorillonite based gelatin nanoparticles for controlled drug delivery applications.	REACH-2015: An International Symposium on Recent Advances in Chemistry NEHU, Shillong, India.	I	March 3-5, 2015.	-
15	Baishya P & Maji ^C , T K	Effect of Citric acid and nano SiO ₂ in physicochemical properties of green wood starch nanocomposites	REACH-2015: An International Symposium on Recent Advances in Chemistry NEHU, Shillong, India.	I	March 3-5, 2015.	-
16	Gogoi, P & Thakur, A J & Banerjee, S & Devi, R R & Veer, V & Maji ^C , T K	Absorption of As(V) from contaminated water onto chitosan magnetite nanocomposite; Equilibrium study	REACH-2015: An International Symposium on Recent Advances in Chemistry NEHU, Shillong, India.	I	March 3-5, 2015.	-
17	Gogoi, S & Borah, H & Dutta, R. R & Puzari, P	Chronoamperometric Proof of Low Potential Oxidation and Evaluation of Diffusion and Migration Coefficient of Thiocholine in Polypyrrole Matrix	Proceedings of the Second International symposium on Advances in Sustainable polymer, ASP-15, January 21-22.	I	2015	-
18	Gogoi, S & Borah, H & Dutta, R. R & Puzari, P	Electrochemical Study of The Role of Polypyrrole Towards Thiocholine Oxidation	Proceedings of the Second International Symposium on Advances in Sustainable polymer, ASP-15, January 21-22.	I	2015	-
19	Dutta, R. R & Puzari, P	Fabrication of A Highly Stable AChE Biosensor Through Electro entrapment In Polypyrrole and Its Application To Organophosphate Detection.	International Symposium on Polymer Science and Technology, Macro 2015, January 23-26,	I	2015	-
20	Borah, H & Dutta, R. R & Puzari, P	Development Of Highly Sensitive Sensor Strip For Organophosphate Pesticides Using Polypyrrole Ionic Liquid	International Symposium on Polymer Science and Technology, Macro 2015 January 23-26,	I	2015	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
		Combination				
21	Dutta, R. R & Puzari, P	Low Potential Detection of Enzymatically Generated Thiocholine at Polypyrrole–Gelatin Modified Platinum Electrode and Application to Pesticide Residue Analysis.	Proceedings of the International Conference on Disease Biology and Therapeutics, ICDBT 14, 3 rd -5 th December,	I	2014	-
(2013-14)						
1	N. Karak	Hyperbranched polyurethane/GO/RGO nanocomposites for advanced multifaceted applications	3 rd International conference on advanced nanomaterials and nanotechnology (ICANN-2013), IIT Guwahati	I	2013	-
2	N. Karak	Development of bio-based hyperbranched poly(ester amide) nanocomposites: antibacterial, larvicidal and anti-static coatings	National conference on medical arthropodology, , DRL, Tezpur	N	2013	-
3	Saikia, C & Maji ^C , T K	Comparative study between Starch and CMS nanoparticles as potential drug carrier medium,	100 th Indian Science Congress, Kolkata University, West Bengal, India.	I	Jan 3-7, 2013,	-
4	Hazarika, A & Maji ^C , T K	Study on properties on melamine formaldehyde-furfuryl alcohol impregnated soft wood (<i>Ficus hispida</i>),	Indian Science Congress Calcutta University, Kolkata, India	I	Jan 3-7, 2013,	-
5	Islam, N.S	Merrifield resin supported peroxomolybdates as efficient heterogeneous catalysts for selective and mild oxidation of organic sulfides with H ₂ O ₂	Journal of Chemical Science (Proceedings of Indian Academy of Science) Springer Modern Trends in Inorg.Chem Symposium (MTIC), 2013	N	2013	-
6	Dutta, R. R & Borah, H & Puzari, P	Gelatin mixed Polypyrrole as a highly stable and highly conducting immobilization matrix for Acetylcholinesterase based amperometric pesticide biosensors.	Proceedings of National Seminar on Recent Advances in Chemical Research RACR 14, March 20-21	N	2014	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
(2012-13)						
1	N. Karak	Can you live without Polymers-in the present days	Inspire program of DST	N	2012	-
2	Hazarika, A. & Maji ^C , T K	Study on dimensional and mechanical properties of chemically modified soft wood (Ficus Hispidia),	National Seminar on Recent Challenges for chemical research and Practices	N	Nov 9-10, 2012, Darrang College, Assam, India	-
3	Gogoi, P & Thakur, A J & Banerjee, S & Devi, R R & Veer, V & Maji ^C , T K	Chitosan Based Nanoparticle for the Removal of Contaminants from Water	TEZCON,	N	November 6-8, 2012, DRL, Assam, India.	-
4	Banik, N & Maji ^C , T K	Evaluation of carboxymethyl chitosan – MMT nanoparticles for controlled delivery of isoniazid,	TEZCON,	N	Nov 6-8, 2012, DRL, Assam, India	-
5	Banik, N & Iman, M & Maji ^C , T K	Soy flour green nanocomposites for controlled drug delivery: Effect of crosslinker and nanoclay,	International Conference (Post ISCBC) Perspective and Challenges in Chemical and Biological Sciences: Innovation Cross Roads	I	Jan 28-30, 2012, Institute of Advanced Study in Science and Technology, Guwahati, Assam	-
6	Saikia, C &	Synthesis of controlled drug delivery	Recent Challenges for Chemical	N	November	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
	Maji ^C , T K	system based on carboxymethyl starch nanoparticles and evaluation of the drug release kinetics	Research and Practices		9-10, 2012, Darrang College, Assam, India.	
7	Saikia, C & Maji ^C , T K	Synthesis of carboxymethyl starch coated magnetic iron oxide nanoparticles and its evaluation for controlled drug delivery of isoniazid	TEZCON	N	November 6-8, 2012, DRL, Assam, India.	-
(2011-12)						
1	Saikia, L. & Talukdar, D. & Thakur, A. J. ^C	Selective iodination of C-5 position of pyrimidine diones: A mild and efficient approach	13 th CRSI National Symposium in Chemistry, NISER, KIIT, Bhubaneswar, 2-5 th Feb 2011	N	97, 2011	-
2	Talukdar, D. & Thakur, A. J. ^C	Ligand free efficient N-arylation of Indole Catalysed by Pd/C as a reusable catalyst	13 th CRSI National Symposium in Chemistry, NISER, KIIT, Bhubaneswar, 2-5 th Feb 2011	N	56, 2011	-
3	N. Karak	Bio-based polymer nanocomposites-Multifaceted applications	APM-2011, CIPET Chennai	I	2011	-
4	N. Karak	Vegetable oil-based polymer nanocomposites-Present and future	RETNAT 2011	N	2011	-
5	N. Karak	Green polymer nanocomposites-Multifaceted Application	National workshop on Emerging Trend in Nanochemistry, St. Anthony's College, Shillong	N	2011	-
6	N. Karak	Sustainable Polymers from Vegetable Oils and Their Nanocomposites for Multifaceted Applications	International conference on SP&CT, IICT Hyderabad (plenary lecture)	I	2011	-
7	N. Karak	Vegetable oil based hyperbranched Polyurethanes Multiwalled carbon nanotubes nanocomposites	National conference on Smart Nanostructure, Tezpur University	N	2011	-
8	Iman, M &	Property Evaluation of Biodegradable	International Conference on	I	Dec 18-21,	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
	Maji ^C , T K	Composites based on Cellulose microcrystalline powder and Natural Polymer,	<i>Nanomaterials & Nanotechnology,</i>		2011, Unv of Delhi, Delhi, India	
9	Iman, M & Maji ^C , T K	Effect of Nanoclay on the properties of Jute-reinforced-Starch-g-MMA composites,	<i>National Conference on 'Chemistry, Chemical Technology and Society',</i>	N	Nov 11-12, 2011, Tezpur Unv, Assam, India	-
10	Iman, M & Maji ^C , T K	Effect of Crosslinker and Grafting on the properties of Jute-reinforced-Soy flour composite	<i>National Seminar on Recent Advances in Synthesis and Catalysis,</i>	N	Feb 10-12, 2011, Dibrugarh Unv, Assam, India	-
11	Iman, M & Maji ^C , T K	Effect of Crosslinker and Nanoclay in Jute-reinforced-Starch composite,	<i>National Conference on Smart Nanostructures</i>	N	Jan18-20, 2011, Tezpur Unv, Assam, India.	-
12	Hazarika, A & Maji ^C , T K	Studies on properties of organoclay reinforced softwood/ PMMA nanocomposites,	<i>National Conference on Chemistry, Chemical Technology and Society,</i>	N	Nov 11-12, 2011, Tezpur Unv, Assam, India	-
13	Dutta, R. R & Puzari, P	Organic to inorganic phase conversion technique for biosensing of pesticides.	Proceedings of National Conference on Chemistry, Chemical Technology and Society	N	2011	-

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
			Nov. 11-12,			

C. Seminar/ Conference /Workshop Publications (Others): Nil

D. Chapters in Books

Sl.No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
(2014-15)						
1	N. Karak	Bio-based hyperbranched polyurethane nanocomposites, in Encyclopedia of Polymer Science and Technology	Encyclopedia of Polymer Science and Technology, H. Mark et al.	John Wiley & Sons, Inc.,	DOI: 10.1002/0471440264.pst638, 2015	-
2	Das, S. & Thakur, A. J. & Dekka, D.	Chapter 33, Influence of free fatty acids content in catalytic activity of [BSMIM]Cl ionic liquid for biodiesel production from non edible acidic oils”	Recent Advances in Bioenergy Research, (Eds) Kumar, S. & Sarma, A. K. & Tyagi, S. K. & Yadav, Y.K.,	Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, India	349-356, 2014	-
3	Borah, J & Karak, N	Dendrimers and hyperbranched polymers- A new dimension of polymer sciences, in Advanced materials: A book series	Ashutosh Tiwari and Mustafa M. Demir,	Wiley-Scrivener Publishing	Chap12, 2014	-
4	Iman, M & Maji ^C , T K	Bionanocomposites: A greener alternative for future generation.	In <i>Green Biorenewable Biocomposites: From Knowledge to Industrial Applications</i> . Edited by Thakur, V. K., Kessler, M. R., Eds.;	Apple Academic Press, Canada,	Sept 30, 2014. ISBN 9781771880329	-
5	Iman, M & Maji ^C , T K	Jute: An interesting lignocellulosic fibres for new generation applications.	In <i>Lignocellulosic Polymer Composites: Processing, Characterization and Properties</i> . Edited by Thakur, V. K.	Wiley	ISBN: 978-1-118-77357-4	-

Sl.No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
6	Hazarika, A & Baishya, P & Maji ^C , T K	Bio Based Wood Polymer Nanocomposites: A Sustainable High Performance Material for Future	Eco-Friendly Polymer Nanocomposites: Processing and Properties. Editors: Thakur , Vijay Kumar, Thakur & Manju Kumari (Eds.)	Springer	Chapter 3, ISBN 978-81-322-2470-9, 2015	-
7	Bordoloi, S. & Gogoi, S. & Dutta, R. K.	A Low-Cost Arsenic Removal Method for Application in the Brahmaputra-Ganga Plains: Arsiron Nilogon	Safe and Sustainable Use of Arsenic-Contaminated Aquifers in the Gangetic Plain: A Multidisciplinary Approach A. L. Ramanathan, S. Johnston, A. Mukherjee, B. Nath	Springer International Publishing, Cham, Switzerland, with Capital Publishing Company, New Delhi, India.	(2015) pp.289-299	-
(2012-13)						
1	Deka, B K & Maji. T K	Development of Wood Polymer Nanocomposite: A green Approach Based on Non Conventional Plant Material and Nanofillers		LAP Lambert Academic Publishing,	ISBN 978-3-659-28285-0, 2012.	-
2	Reddy, B.M. & Thrimurthulu, G. & Bharali, P	Catalytic Regulation and Utilization of Greenhouse Gases and Environmental Pollution and Its Relation to Climate Change	Ahmed El Nemr	Nova Science Publishers, Inc., New York, ISBN: 978-1-61761-794-2	2012, chapter 3, pp. 65 – 104,	-
(2011-12)						
1	Thakur, A. J.	Chapter 7, Calixarenes: The cyclic polyphenols	Chemistry of Phenolic Compounds: State of the Art, (Ed.) Jubaraj Bikash Baruah	Nova Science Publishers, Inc. USA	79-103, 2011	-
2	U. Konwar & N. Karak	Vegetable oil based conventional and hyperbranched polyester nanocomposites, in Developments in nanocomposites	Kamal K Kar and Alma Hodzic	Research Publishing Services, Innovative Partners for	3711-2 (2011)	-

Sl.No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
				Publishing Solutions, SINGAPORE,		
3	Devi, N & Maji T K	Chitosan: A Fascinating Polymer for Biomedical Applications,	In: Advances in Medicine and Biology. Edited by Leon V. Berhardt,	Nova Science Publishers, Inc., USA,	ISBN: 978-1-61209-796-1, 2011	-
4	Devi, N & Maji, T K	Neem Seed Oil: Encapsulation and Controlled Release - Search for a Greener Alternative for Pest Control.	Pesticides in the Modern World. Pesticides use and management. Edited by Margarita Stoytcheva,	In Tech Publishers, Croatia	Chap 10,191-232. ISBN 978-953-307-459-7, 2011	-

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
(2014-15)					
1.	Deka, P & Bhattacharjee, D & Sarmah, P & Deka, R. C & Bharali, P	Catalytic reduction of water contaminant '4-nitrophenol' over manganese oxide supported Ni nanoparticles, Trends in Environmental Science and Technology	Springer	978-93-81891-28-5	2015
(2012-13)					
1.	N. Karak	Vegetable oil based polymers: Processing, Properties and Applications	Woodhead Publishing House Limited	978-0-85709-710-1	2012
(2011-12)					
1.	Kalita, B & Deka, R. C	Computational Studies of Palladium Nanoclusters	LAP Lambert Academic Publishing	978-3-8443-2480-8	2011
2.	Sarmah, P & Deka, R. C	Theoretical Aspects of Anticancer Drugs	LAP Lambert Academic Publishing	978-3-8443-8280-8	2011
3.	Bharali, P & Reddy, B.M	Design of Ceria-based Nanocomposite Oxides for Catalytic Applications	LAMBERT Academic Publishing, Germany a	978-3-8443-1791-6	2011

Department: Environmental Science

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Basak, S. & Ramesh, AM. & Kesari, V. & Parida, A. & Mitra, S. & Rangan ^C , L.	Genetic diversity and relationship of Hedychium from Northeast India as dissected using PCA analysis and hierarchical clustering	<i>Meta Gene</i> Elsevier	E	2, 459–468, 12, 2014	--	-
2	Kumar ^C , M. & Singh, G. & Chaminda, T. & Quan, P V. & Kuroda ,K	Emerging Water Quality Problems in Developing Countries	<i>The Scientific World Journal</i> Hindawi Publishing Corporation	C,P	DOI: dx.doi.org/10.1155/2014/215848, 5,2014	1.732	-
3	Deka, J. P. & Baruah, B. & Singh, S. & Chaudhury, R. & Prakash, A. & Bhattacharyy, P. & Selvan, MT. & Kumar ^C , M.	Tracing phosphorous distributions in the surficial sediments of two eastern Himalayan high altitude lakes through sequential extraction, multivariate and HYSPLIT back trajectory analyses	<i>Environmental Earth Sciences</i> Springer	A,B,C,E	DOI 10.1007/s12665-014-3931-0, 12, 2014	1.572	-
4	Prabha,S. & Ramanathan, AL. & Gogoi, A.& Das, P. & Deka, JP.& Tyagi, V. & Kumar ^C , M	Suitability of conventional and membrane bioreactor system in textile mill effluent treatment	<i>Desalination and Water Treatment</i> Taylor & Francis	B,C,E	DOI: 10.1080/19443994.2014.932716, 6, 2014	0.987	-
5	Krishan ^C , G. & Rao, MS. & Kumar, B. & Kumar, CP. & Kumar, S. &	Monitoring of Southwest Monsoon Using Isotope Analysis of Ground Level Vapour (Glv) in Indian Sub-	<i>J of Earth Science and Climate Change</i>	P,C	DOI://dx.doi.org/10.4172/2157-7617.1000224, 10, 2014	1.69	-

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	Jaiswal, RK. & Rao, YRS. & Tripathi, S & Garg, PK. & Kumar, M. & Kumar, P.	Continent	OMICS Publishing Group				
6	Krishan, G. & Rao, MS. & Kumar, CP. & Kumar ^C , M. & Kumar, B.	Investigation of geospatial effects on moisture dynamics in Tezpur (Assam) and Roorkee (Uttarakhand) through isotopes observations	<i>IWRA(India) Journal Indian Geographical Committee of International Water Resources Association IWRA</i>	P	3, 2, 7, 2014	NA	-
7	Sarma, B. & Devi, P. & Gogoi N ^C . & Devi, YM.	Effects of cobult induced stress on <i>Triticumaestivum</i> L. crop	<i>Asian Journal of Agricultural Biology</i> AJAB , Islamabad	C,P	2 137-147, 2014	--	-
8	Borah, M. & Devi, A ^C . & Kumar, A.	Feeding on non-plant food items by Western hoolock gibbon (<i>Hoolock hoolock</i>).	<i>Current Science</i> Indian Academy Sciences	A, B	107(10) 1657-1660 2014	--	-
9	Borah, M. & Devi ^C , A	Phenology, growth and survival of <i>Vatica lanceaefolia</i> Bl.: A critically endangered tree species in a moist tropical forest of Northeast, India	<i>Tropical Plant Research</i> Society for Tropical Plant Research	A,P	1(3) 01–12 2014	--	-
10	Sarkar, M. & Devi ^C , A	Assessment of diversity, population structure and regeneration status of tree species in Hollongapar Gibbon	<i>Tropical Plant Research</i> Society for	A,P	1(2) 26–36 2014	--	-

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		Wildlife Sanctuary, Assam, Northeast India	Tropical Plant Research				
11	Devi ^C , A. & Rakshit, K. & Sarania, B.; Adi, Apatani, Monpa. and Nyishi Community	Ethnobotanical notes on <i>Allium</i> species of Arunachal Pradesh, India	<i>Indian Journal of Traditional Knowledge</i> NISCAIR	A, B	13 (3) 606-612 2014	0.492	-
12	Kumar ^C , A. & Sarma, K. & Panvor, J. & Mazumdar, K. & Devi, A. & Krishna, M. & Ray, P C	Threats to the Bengal slow loris <i>Nycticebus bengalensis</i> in and around Itanagar Wildlife Sanctuary, Arunachal Pradesh, India: impediments to conservation	<i>Endangered Species Research</i> Inter Research Science Center	P	23(2) 99-106 2014		1
13	Hussain, K. & Hoque ^C , RR	Seasonal attributes of Urban Soil PAHs of the Brahmaputra Valley.	<i>Chemosphere</i> Elsevier	A,B,C,E	Doi: 10.1016/j.chemosphere.2014.08.021, 119, 2015	3.5	-
14	Punia M. & Nain S. & Kumar, A. & Singh, BP. & Prakash, A. & Kumar ^C , K. & Jain, VK.	Analysis of temperature variability over north-west part of India for the period 1970 - 2000.	<i>Natural Hazards</i> Springer	A,E	75, 935 – 952, January, 2015	2	-
15	Sahariah, B. & Goswami, L. & Kim, K H. & Bhattacharyya, P. & Bhattacharya ^C , SS	Metal remediation and biodegradation potential of earthworm species on municipal solid waste: A parallel analysis between <i>Metaphire posthuma</i> and <i>Eisenia fetida</i>	<i>Bioresource Technology</i> Elsevier	A,E	180, 230-236, January, 2015	5.039	-
16	Deka, P & Hoque ^C , RR.	Chemical characterization of biomass fuel smoke particles of rural kitchens of South Asia	<i>Atmospheric Environment</i>	A,B,C,E	108, 125-132, 2015	3	-

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			Elsevier				
17	Devi U. & Hoque, RR. & Sarma ^C , KP.	Accumulation of trace metals in soil and trees by the highway passing through an ecological heritage area	<i>J. Environ. Res. Develop.</i> G.Seed	P	9, 605-612, February, 2015	1.268	13
18	Das, P & Sarma, KP. & Kumar ^C , M.	Understanding of chemical speciation of lead,zinc and copper in vertical profile of the sediments of the Brahmaputra river,Assam,India\r\n	<i>Asian Journal of Water, Environment and Pollution</i> IOS Press	A	12, 21-28, January, 2015	0	2
19	Saikia, P. & Bhattacharya, S. S. & Baruah ^C , K K.	Organic substitution in fertilizer schedule: Impacts on soil health, photosynthetic efficiency, yield and assimilation in wheat grown in alluvial soil.	<i>Agriculture, Ecosystem & Environment</i> Elsevier	A,E	203, 102-109, February, 2015	3.86	-
20	Sah, RK. & Das ^C , AK.	Drainage skeletization from flow-accumulated area without the use of thresold	<i>Geocarto International</i> Taylor and Francis	A,B,E	Doi: 10.108/10106049.2015.1004128, March, 2015	0.897	-
21	Hazarika, N & Das ^C , AK. & Borah, SB	Assesing land-use changes driven by river dynamics in chronically flood affected Upper Brahmaputra plains, India using RS-GIS techniques	<i>Egyptian Journal of Remote Sensing and Space Sciences</i> Elsevier	A,E	March, 2015	0.665	-
22	Borah, L. & Baruah ^C K.K	Physiological and anatomical variation in three rice (<i>Oryza sativa</i>) genotypes for transport and emission of methane	<i>Climate change and environmental Sustainability</i> The Society for Science of Climate Change and Sustainable	A	3, 58-70, 04, 2015	-	-

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			Environment				
23	Singh, P. & Heikkinen, J. & Ketoja, E. & Nuutinen, V. & Palojärvi, A. & Sheehy, J. & Esala, M. & Mitra, S. & Alakukku, L. & Regina ^C , K.	Tillage and crop residue management methods had minor effects on the stock and stabilization of topsoil carbon in a 30-year field experiment	<i>Science of the Total Environment</i> Elsevier	A,E	518–519, 337–341, 06, 2015	3.163	-
24	Das, S. & Bora, J. & Goswami, L. & Bhattacharyya, P. & Raul, P. & Kumar, M. & Bhattacharya ^C , SS	Vermiremediation of wter treatment plant sludge employing Metaphire posthuma: A soil quality and metal solubility prediction approach	<i>Ecological Engineering</i> Elsevier	A,B,C,E	81, 200–206, 8, 2015	3.041	
25	Gogoi, A. & Bose, S. & Bora, J. & Bhattacharya, S. & Kumar ^C , M	Effect of vermicomposting on copper and zinc removal in activated sludge with special emphasis on temporal variation	<i>Ecohydrology & Hydrobiology</i> Elsevier	A,B,C,E	doi:10.1016/j.ecohyd.2015.01.001, 2, 2015	0.6	-
26	Das ,A. & Kumar ^C ,M	Arsenic enrichment in the groundwater of Diphu, Northeaste India: Coupled application of major ion chemistry, speciation modeling and multivariate statistical techniques	<i>CLEAN - Soil, Air, Water</i> Wiley Online Library	A,B,C,E	10.1002/clen.201400632	2.03	-
27	Das, P. & Kumar, M. & Sarma ^C , K P.	Speciation of heavy metals in surface sediments of the Brahmaputra River, Assam	<i>Journal of Environmental Research and Development</i> IOS Press	P	01/2015; 12:21-28.	1.268	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
28	Das, P. & Sarma, K P. & Kumar ^c , M	Understanding of chemical speciation of lead, zinc and copper in vertical profile of the sediments of the Brahmaputra River Assam, India	<i>Asian Journal of Water Environment and Pollution</i> IOS Press	C,P	12(1), 21-28, 2015	-	-
29	Baroowa,B. & Gogoi ^c ,N.	Biochemical changes in blackgram and green gram genotypes after imposition of drought stress	<i>Journal of Food Legumes</i> International Society of Pulses Research & Dev.	P	27 4 350-353, 2015	-	-
30	Sarma,B. & Gogoi ^c ,N.	Germination and seedling growth of Okra(<i>Abelmoschus esculentus</i> L.) as influenced by organic amendments	<i>Cogent Food and Agriculture</i> Taylor and Francis	P	1 1030906	-	-
31	Dutta, G. & Devi ^c , A.	Phenology and population structure of six tree species in tropical forest of Assam, northeast India.	<i>Tropical Ecology</i> Int Soc Tropical Ecology	A, P	56 (3) 393-399 2015	0.768	-
32	Dutta, G. & Devi ^c , A.	Impact of lopping on tree species of tropical Indian forests	<i>Tropical Plant Research</i> Society for Tropical Plant Research	P	2(1) 1-4 2015	-	-
(2013-14)							
1	Kumar ^c , M. & Herbert Jr. R. & Ramanathan, AL & Rao, MS. & Deka, JP. & Kumar, B	Hydrogeochemical zonation for groundwater management in the area with diversified geological and land-use setup	<i>Chemie der Erde-Geochemistry</i> Elsevier	A,E	Volume 73, Issue 3, October 2013, Pages 267-274	1.397	-

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2	Kumar ^C , M. & Furumai, H. & Kurisu, F. & Kasuga, I	Tracing source and distribution of heavy metals in road dust, soil and soakaway sediment through speciation and isotope fingerprinting	<i>Geoderma</i> Elsevier	A,E	Volumes 211–212, December 2013, Pages 8–17	2.509	-
3	Kumar ^C , A. & Sarma, K. & Krishna, M. & Devi, A	The Eastern Hoolock Gibbon (<i>Hoolock leuconedys</i>) in Eastern Arunachal Pradesh, India	<i>Primate Conservation</i> IUCN/SSC	A,B,P	27 115-123 2013	--	-
4	Krishna, M C. & Kumar ^C , A. & Ray, P C. & Sarma, K. & Devi, A. & Khan M L.	Impact of road widening on wildlife in Namdapha National Park, Arunachal Pradesh, India: a conservation issue	<i>Asian Journal of Conservation Biology</i> , Turtle Conservation Research Programme	P	2(1) 65-67 2013	0.756	-
5	Dutta, G. & Devi ^C , A.	Plant diversity, population structure, and regeneration status in disturbed tropical forests in Assam, northeast India	<i>Journal of Forestry Research</i> Northeast Forestry University	A, B	24(4) 715-720 2013	--	3
6	Dutta, G. & Devi ^C , A.	Plant diversity and community structure in tropical moist deciduous sal (<i>Shorea robusta</i> Gaertn.) forest of Assam, northeast India	<i>Journal of Environmental and Applied Bioresearch</i> Science Research Library	P	1 (3) 1-4 2013	-	2
7	Saikia, P. & Baruah ^C , KK.	Carbon fixation, partitioning and storage in field plant with	Climate change and		2(1), 39-47,	-	-

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		wheat at different moisture regimes.	environmental sustainability		5, 2013		
8	Deka, P. & Hoque ^C , RR.	Incremental effect of festive biomass burning on wintertime PM10 in Brahmaputra Valley of Northeast India.	<i>Atmospheric Research</i> Elsevier	A,B,C,E	143, 380-391, 3,2013	2	6
9	Hussain, K. & Rajbongshi, R. & Hoque ^C , RR.	Understanding Levels and Sources of PAHs in Water of Bharalu Tributary of the Brahmaputra River.	<i>Asian Journal of Water, Environment and Pollution</i> IOS Press	C,E	11, 89-98, 4,2013	-	-
10	Daimari, R. & Hazarika, N. & Hoque ^C , RR. & Nayaka, S. & Upreti, DP	New Records of Epiphytic Lichens From Three Districts Of Assam, India.	<i>Indian Forester</i> Govt.	P	140(8), 807-811, 8,2013	-	-
11	Borbora, J. & Das ^C , AK.	Summertime Urban Heat Island study for Guwahati City, India.	<i>Sustainable Cities and Society</i> Elsevier	A,E	11, 61-66, 2,2013	-	-
12	Goswami, L & Raul, P. & Sahariah, B. & Bhattacharyya, P. & Bhattacharya ^C , SS.	Characterization and risk evaluation of tea industry coal ash for environmental suitability.	<i>Clean-Soil Air Water</i> Wiley	A,B,E	42, 1470-1476, 2013	2	-
13	Baruah, S. & Borgohain, J. & Sarma ^C , KP.	Phytoremediation of Arsenic by Trapanatans in a Hydroponic System.	<i>Water Environment Research</i> Water Environment Federation	A	86(5), 422-432, 5,2013	0.89	-

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14	Goswami, L. & Sarkar, S. & Mukherjee, S. & Das, S. & Barman, S. & Raul, P. & Bhattacharyya, P. & Mandal, NC. & Bhattacharya, S. & Bhattacharya ^C , SS.	Vermicomposting of Tea Factory Coal Ash: Metal accumulation and metallothionein response in <i>Eisenia fetida</i> (Savigny) and <i>Lampitoma mauritii</i> (Kinberg).	<i>Bioresource Technology</i> Elsevier	A,B,E	166, 96-102, 5,2013	5	-
15	Pandey, AK. & Singh, S. & Berwal, S. & Kumar, D. & Pandey, P. & Prakash, A. & Lodhi, N. & Maithani, M. & Jain, VK. & Kumar ^C , K	Temporal variations of Urban Heat Island over Delhi.	<i>Urban Climate</i>	P	10, 119-133, 10,2013	-	-
16	Sharma, P. & Sarma ^C , KP.	In Vitro propagation of <i>Bambusa pallida</i> on commercial scale in Assam.	<i>J. Environmental Research and Development</i> IOS Press	P	8(4), 995-902, 4,2013	1.2	-
17	Hazarika, N. & Das ^C , AK.	Process dynamics and controls in two partially-confined rivers of upper Brahmaputra plain.	<i>International journal of geomatics and geosciences</i> Elsevier	A,E	5(1), 91-103, 8,2013	-	-
18	Handique ^C , S. & Senapati, N	Grain size and texture determination of the Brahmaputra River and 6 of its tributaries.	<i>Geochemistry International</i>	P		-	-
19	Goswami, R. &	Arsenic in the groundwater of	<i>Journal of</i>	A	518,	2.693	-

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	Rahman, M.M. & Murrill, M. & Sarma, KP. & Thakur, R. & Chakraborti ,D	Majuli - the largest river island of the Brahmaputra: magnitude of occurrence and human exposure.	<i>Hydrology</i> Elsevier		354-362, 10.2013		
20	Gogoi, B. & Baruah ^C , K.K.	Seasonal and temporal changes in nitrous oxide emission with fertilizer application in rice ecosystem of North Bank Plain Agroclimatic zone of North East India	Environmental Monitoring and Analysis	A	25, 289-296, 11,2013	-	-
21	Sahariah, B. & Sinha, I. & Sharma, P. & Goswami, L. & Bhattacharyya, P. & Gogoi, N. & Bhattahcarya ^C , SS.	Efficacy of bioconversion of paper mill bamboo sludge and lime waste by composting and vermiconversion technologies	<i>Chemosphere</i> Elsevier	A,B,E	109, 77-83, 4,2013	3	-
22	Paul,S. & Gogoi ^C , N. & Sharma, B. & Baroowa, B	Biochemical changes in potato under elevated temperature	<i>Indian Journal of Plant Physiology</i> Springer	C, P	19 1 36-42	-	-
23	Sahariah,B. & Sinha,I. & Sharma,P. & Goswami,L. & Bhattacharyya,P. & Gogoi,N & Bhattacharya ^C ,SS.	Efficacy of bioconversion of paper mill bamboo sludge and lime waste by composting and vermiconversion technologies	<i>Chemosphere</i> Elsevier	A, E,B	109, 77-83, 8, 2014	3.499	-
24	Deka, P & Hoque ^C , RR.	Diwali firework: early signs of impact on PM10 of rural Brahmaputra valley.	<i>Aerosol and Air Quality Research</i> Taiwan Association of	A	14(6), 1752-1762, 10, 2014	2.664	-

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			Aerosol Research				
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1	Kumar ^c , P & Kumar, M. & Tripathi, P & Ramanathan, AL.	Arsenic poisoning of Groundwater in parts of Middle Gangetic plain, Bhagalpur district, Bihar, India	<i>Indian Society of Applied Geochemists</i> ISAG Publisher	A	159-170 6, 2012. (No Volume)	-	-
2	Borah, M. & Devi ^C , A.	Effect of heavy metals on <i>Pisum sativum</i> Linn	<i>International Journal of Advanced Biological Research</i> Society for Science and Nature	P	2(2) 314-321, 2012	-	1
3	Saikia, T. & Baruah ^C , KK.	Iron toxicity tolerance in rice and its association with antioxidative enzyme activity.	<i>Crop Science</i> The American Society of Agronomy		3, 90-94, 9, 2012	4.49	1
4	Kumar ^c , M. & Furumai, H. & Kurisu, F. & Kasuga, I	Potential Mobility of Heavy Metals through Coupled Application of Sequential Extraction and Isotopic exchange: Comparison of leaching tests applied to soil and soakaway sediment	<i>Chemosphere</i> Elsevier	A	90(2), 796–804, 1,2013	3.5	-
5	Prabha, S. & Kumar ^c , M & Kumar, A. & Das, P. & Ramanathan, AL	Impact assessment of textile effluent on groundwater quality in the vicinity of Tripur industrial area, southern India	<i>Environmental Earth Science</i> Springer	A	DOI 10.1007/s12665-013-2361-8, 3, 2013	1.572	-
6	Goswami, L. &	Hazard remediation and	Chemosphere	A, E, P	92,	3.499	-

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	Patel, A. & Dutta, G. & Bhattacharya, P. & Gogoi, N. & Bhattacharya ^C , SS.	recycling of tea industry and paper mill bottom ash through vermiconversion	<i>Elsevier</i>		708-713, 7,2013		
7	Baroowa, B. & Gogoi ^C , N.	Biochemical changes in two <i>Vigna</i> spp. During drought and subsequent recovery.	<i>Indian Journal of Plant Physiology</i> Springer	C, P	18(4), 319-325, 12, 2013	-	-
8	Sarma, K. & Kumar ^C , A. & Devi, A. & Mazumda, K. & Krishna, M. & Mudoi, P. & Das N	Diversity and habitat association of butterfly species in foothills of Itanagar, Arunachal Pradesh, India	<i>Cibtech Journal of Zoology</i> CIBTech	P	1(2) 67-77, 2012, 2013	-	2
9	Daimari, R. & Hoque ^C , RR. & Nayak, S. & Upreti, DK	Atmospheric Heavy Metal Accumulation in Epiphytic Liches and Their Phorophytes in the Brahmaputra Valley.	<i>Asian Journal of Water, Environment and Pollution</i> ISO Press	C,E	10(4), 1-12, 9, 2013	-	-
10	Hoque ^C , R.R. & Gohain, M. & Das, A.K. & Devi, U. & Kurse, BC	Levels and Source Apportionment of Trace Metal in Bed Sediment of the Bharalu Tributary of Brahmaputra River.	<i>Asian Journal of Water, Environment and Pollution</i> ISO Press		10(3), 71-79, 7,2013	-	-
11	Barua, S. & Konwarh, R. & Bhattacharya, S.S. & Das, P. & Sanjana, K. & Devi, P & Tapas, K Maiti. & Mandal, M. & Karak ^C , N	Non-hazardous anticancerous and antibacterial colloidal 'green' silver nanoparticles.	<i>Colloids and Surfaces B: Biointerfaces</i>		105, 37-42, 2013	4	-
12	Bhattacharya, S.S. &	Phosphate solubilizing ability of	<i>Indian Journal of</i>		51,	1	-

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	Barman, S. & Ghosh, R. & Duary, R.K. & Goswami, L. & Mandal ^C , C.N	Emericellandulansstrain V1 isolated from vermicompost.	<i>Experimental Biology</i>		840-848, 10, 2013		
13	Goswami, L. & Patel, A.K. & Dutta, G. & Bhattacharyya, P. & Gogoi, N. & Bhattahcarya ^C , S.S.	Hazard remediation and recycling of tea industry and paper mill bottom ash through vermiconversion.	Chemosphere Elsevier	A,E	92, 708-713, 5, 2013	3	-
14	Sharma, P. & Sarma ^C , K.P.	In vitro propagation of Bambusatulda- An important plant for better environment.	<i>Journal of Environmental Research and Development</i> G. Seed	A	7(3), 1216-1223, 2, 2013	1.29	-
(2011-12)							
1	Kumar, M. & Kumar, B. & Rao ^C , M. S. & Ramanathan, A.L.	Identification of aquifer-recharge zones and sources in an urban development area (Delhi, India), by correlating isotopic tracers with hydrological features	<i>Hydrogeology Journal</i> Springer		19(2), 463-474, 3,2011	1.712	-
2	Kim ^C , J. & Kuwahara, Y. & Kumar, M.	A DEM-based evaluation of potential flood risk to enhance decision support system for safe evacuation	<i>Natural Hazards</i> Springer		59(3), 1561-1572, 12, 2011	1.958	-
3	Devi ^C , A. & Dutta, H.	Effect of seed mass and light intensities on seedling success of <i>Mesua ferrea</i> Linn	<i>Current Science</i> Indian Academy Sciences	A, B	101(12), 1533-1535, 2011	-	-
4	Uprety, D.C. & Baruah ^C , K.K. &	Methane in rice agriculture - A review.	<i>Jl. Sc. &Indstl. Research</i>		70, 401-411, 6, 2011	-	7

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	Borah, L.		NICR, Online Periodicals Repository				
5	Gogoi, B. & Baruah ^C , K.K.	Nitrous oxide emission from tea (<i>Camellia sinensis</i> (L) O.kuntze) planted soils of North East India and soil parameters associated with the emission.	<i>Current Science</i> Indian Academy Sciences		101, 531-536, 8, 2011	-	-
6	Goswami, R & Deb ^C , P. & Thakur , R. & Sarma, K.P. & Basumallic K.A.	Removal of As(III) from Aqueous Solution Using Functionalized Ultrafine Iron Oxide Nanoparticles.	<i>Separation Science and Technology</i> Taylor and Francis		46, 1017-1022, 4,2011	1.2	-
7	Goswami, R. & Deb ^C , P. & Thakur, R. & Sarma, K.P. & Basumallic, K.A.	Arsenic Remediation Using Surface Functionalized Ultrafine Nanoparticles.	<i>International Journal of Nanoscience</i> World of Scientific Publishing		10(4-5), 1167-1171, 8,2011	-	-
8	Hoque ^C , R.R. & Goswami, K.G. & Kurse, B.C. & Sarma, K.P.	Distribution and solid-phase speciation of toxic heavy metals of bed sediments of Bharali tributary of Brahmaputra River.	<i>Environ Monit Assess</i> Springer		177(1-4), 457-466, 4, 2011	-	-
9	Hoque ^C , R.R. & Hazarika, N. & Daimari ,R. & Nayaka, S.	What do Epiphytic lichens of Guwahati city indicate?	<i>Current Science</i> Indian Academy Sciences		101(7), 824, 2011	0.833	2
10	Baroowa,B. & Gogoi ^C ,N.	Effect of induced drought on different growth and	<i>Journal of Environmental</i>	P	6(3A) 584-593,	1.268	-

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		biochemical attributes of black gram (<i>Vignamungo L</i>) and green gram(<i>Vignaradiata L.</i>)	<i>Research and Development</i> G.SEED		2012		
11	Baroowa,B. & Gogoi ^C ,N. & Paul,S. & Sharma,B	Morphological responses of pulse (<i>Vigna</i> spp.) crops to soil water deficit	<i>Journal of Agricultural Sciences</i> University of Belgrade	A, P	57(1), 31-40, 2012	-	-
12	Baruah ^C , K.K. & Gogoi, B. & Borah L. & Gogoi, M. & Boruah, R	Plant morphophysiological and anatomical factors associated with nitrous oxide flux from wheat (<i>Triticumaestivum</i>).	<i>Journal of Plant Research</i>	A	125(4), 507-516, 7, 2012	2.059	5
13	Gogoi, B. & Baruah ^C , K.K.	Nitrous oxide emissions from fields with different wheat and rice varieties.	<i>Pedosphere</i> Elsevier	A, E	22(1), 112-121, 2012	1.323	11
14	Das ^C , A.K. & Sah, R.K. & Hazarika, N	Bankline change and the facets of riverine hazards in the floodplain of Subansiri Ranganadi Doab, Brahmaputra Valley, India	<i>Nat. Hazards</i> Springer		64, 1015-1028, 7, 2012	-	-
15	Paul, S. & Bhattacharya ^C , S.S.	Vermicomposted Water Hyacinth Enhances Growth and Yield of Marigold by Improving Nutrient Availability in Soils of North Bank Plain of Assam.	<i>Journal of Agricultural Science & Technology</i>		2 (1), 36-46, 2012	-	-
16	Baruah, S. & Hazarika, K.K. & Sarma ^C , K.P.	Uptake and localization of Lead in <i>Eichhorniacrassipes</i> grown within a hydroponic system.	<i>Advances in Applied Science Research</i> Pelagia Research Library		3(1), 51-59, 2, 2012	0.05	-
17	Bhattacharya ^C ,S.S. & Iftikar, W. & Sahariah,	Vermicomposting converts fly ash to enrich soil fertility and	<i>Resources, Conservation</i>		65, 100-106,	3	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	B. & Chattopadhyay, G.N.	sustain crop growth in red and lateritic soils.	<i>and Recycling</i>		2012		
18	Saikia, T. & Baruah ^C , K.K.	Iron toxicity tolerance in rice and its association with antioxidative enzyme activity.	<i>Crop Science</i> The American Society of Agronomy		3, 90-94, 9, 2012	4.49	1
19	Sarma, D.K. & Hoque ^C , R.R. & Deka ,D	Studies on the siltation and chemical contamination in the wetlands of Kaziranga National Park	<i>J. Ecotoxocol. Environ. Monit.</i> ENVIS center Odisha		22, 201-206, 3, 2012	-	-

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N / I / R / L)	Page Nos. Month- Year	Citation index
1	Dutta, G. & Devi ^C , A.	Inventory of floristic diversity in protected area of tropical forests of Assam, northeast India	Perspectives on Biodiversity of India. Volume I Centre for Innovation in Science and Social Action, Thiruvananthapuram, India	N	295-303 2014	-
2	Sarkar, M. & Devi ^C , A.	Tree species diversity of Gibbon Wildlife Sanctuary, Assam and its conservation perspectives	Perspectives on Biodiversity of India. Volume I Centre for Innovation in Science and Social Action, Thiruvananthapuram, India	N	355-361 2014	-
3	Rao, M.S & Kumar ^C , M. & Kumar, B	Saline groundwater in the National Capital Territory Delhi: Clues to its origin and evolution	9 th International Symposium on Southeast Asian Water Environment (9SEAWWE)	I	303-310 2011	-

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N / I / R / L)	Page Nos. Month-Year	Citation index
1	Kumar ^c , M. & Roger H, & Das A. & Ramanathan ,A.L.	Hydrogeochemical zonation for groundwater management in the area with diversified geological and land-use setup	10 th International Symposium on Southeast Asian Water Environmental, RECWET Publication	I	Vol.10, 2012 (Part II), Hanoi, Vietnam (8-10 th November 2012)	-
2	Das, A. & Kumar ^c , M.	Identification of hydrogeochemical processes in the groundwater environment of Diphu, Assam	10 th International Symposium on Southeast Asian Water Environmental, RECWET Publication	I	Vol.10, 2012 (Part II), Hanoi, Vietnam (8-10 th November 2012)	-
3	Goswami, L. & Bhattacharya ^c , S.S.	Sustainable utilization of fly ash through adoption of eco-friendly technologies: A review	National Seminar on Sustainable Resource Management: Myth or Reality	N	21-31, August , 2011	-
4	Sarma, D, & Hoque ^c , R.R. & Deka ,D	Seasonal Changes of plankton community structure in the wetlands of Kaziranga National Park	Institute of Engineers India	N	311-315, August, 2011	-

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Singh, D. & Prakash , A. & Kumar, A. & Singh, BP. & Punia, M. & Sanyogita, & Sharma, H. & Kumar ^c , K. & Jain ,VK	Ambient Noise Levels after CNG Implementation in Transport Sector in Delhi	Management of water, energy and bio-resources in the era of climate change: Emerging issues and challenges.	Springer International Publishing	267-279 , January , 2015	-

			Raju N.J, Gossel W, AL Ramanatahan and M. Sudhakar			
2	Kumar ^c , M & Ramanathan, A.L. & Chidambram, S. & Goswami, R.	Analytical technique and methods of water reuse options	Urban Water Reuse Handbook (UWRH) S. Eslamian	IAHS Publication		-
3	Das, Nilotpal & Khanikar, Latu & Shah, Rajesh & Das, Aparna & Goswami, Ritusmita & Kumar ^c , Manish & Sarma, Kali Prasad	Problem, Perspective and Challenges of Arsenic Contamination in the Groundwater of Brahmaputra Flood Plains and Barak Valley Regions of Assam, India.	Safe and Sustainable Use of Arsenic-Contaminated Aquifers in the Gangetic Plain: A Multidisciplinary Approach AL. Ramanathan, Scott Johnston, Abhijit Mukherjee and Bibhash Nath	Capital Publishing Company, New Delhi (India) and Springer International Publishing, Cham, Switzerland	Pp 69-86 14 Jun 2015	-
4	Rao, M. S. & Kumar ^c , M. & Kumar, B.	Saline groundwater in the National Capital Territory Delhi: Clues to its origin and evolution	Southeast Asian Water Environment 5 K. Yamamoto, H. Furumai, H. Katayama, C. Chiemchaisri, U. Puetpaiboon, C. Visvanathan, H. Satoh	IWA Publication	pp.33-38 2014	-
5	Kumar ^c , A. & Devi, A. & Gupta, A. K. & Sarma, K	Population, Behavioural Ecology and Conservation of Hoolock Gibbon in Northeast India	Rare Animals of India (Ed. N. Singaravelan)	Bentham Science Publishers	242-266 2013	-

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-Year
1	Kumar, M.	Problems, Perspectives and Challenges of Agricultural Water Management	InTech	979-953-307-706-1	March 09, 2012

Department: Mathematical Sciences

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
	(See Note 1.)		(Write publisher in italics)	(See Note 2.)	(in 3 rows. See Note 3.)		
1.	Baruah ^C , N D & Ahmed, Z	Parity results for broken 5-, 7-, and 11-diamond partitions	International Journal of Number Theory <i>World Scientific Publishing</i>	A	11 527-542, 2014	0.392	-
2.	Baruah ^C , N D & Nath, K	Infinite families of arithmetic identities and congruences for bipartitions with 3-cores	Journal of Number Theory <i>Elsevier</i>	A	149 92-104, 2015	0.524	1
3.	Baruah ^C , N D & Ahmed, Z	Congruences modulo p^2 and p^3 for k dots bracelet partitions with $k = mp^s$	Journal of Number Theory <i>Elsevier</i>	A	151 129-146, 2015	0.524	-
4.	Hazarika ^C , D & Sharma, M	On metrizable and covering properties of L-fuzzy metric spaces,	Ann. Fuzzy Math. Inform. <i>Kyung Moon Sa</i>	C	8 793-801, 2014	-	-
5.	Baruah ^C , N D & Ojah, K K	Partitions with designated summands in which all parts are odd	Integers	P	15, #A9 16 pp., 2015	-	-
6.	Nath ^C , M & Paul, S	On distance Laplacian spectra of graphs	Linear Algebra and its Applications <i>Elsevier</i>	A	460 97-110, 2014	0.983	-
7.	Nath ^C , M & Paul, S	On the spectra of graphs with edge-pockets	Linear and Multilinear Algebra <i>Taylor & Francis</i>	A	63 509-522, 2015	0.7	-
8.	Deka ^C , B & Deka, R C	Quadrature based finite element methods for linear parabolic interface problems	Bull. Korean Math. Soc. <i>Korean Mathematical Society</i>	A	51 717-737, 2014.	0.448	-
9.	Dutta ^C , S	Local smoothing using the Bootstrap	Communications in Statistics: Simulation and Computation <i>Taylor & Francis</i>	A	43-2 378-389, 2014	0.387	-
10.	Sen ^C , S & Kalita, J C	Tackling Problems of Moving Boundaries Using the Biharmonic	International Journal for Computational Methods in	P	15 309-321	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Approach	Engineering Science & Mechanics <i>Taylor & Francis</i>		2014		
11.	Haloi ^C , R	Existence of Weighted Pseudo-almost Automorphic Mild Solutions to Non-autonomous Abstract Neutral Differential Equations with Deviating Arguments	Differential Equation and Dynamical systems <i>Springer</i>	C	22-2 165-179 2014	-	-
12.	Haloi ^C , R & Kumar, P & Pandey, D N	Sufficient conditions for the existence and uniqueness of solutions to impulsive fractional integro-differential equations with deviating arguments	Journal of Fractional Calculus and Applications	C	5-1 73-84 2014	-	1
13.	Haloi ^C , R	Solutions to quasi-linear differential equations with iterated deviating arguments	Electronic Journal of Differential Equations	B	2014-249 1-13 2014	0.419	2
14.	Sarmah ^C , B K &	Proofs of some conjectures of Melham using Ramanujan's $_{1\psi_1}$ formula	International Journal of Mathematics and Mathematical Sciences <i>Hindawi publishing Corporation</i>	C	2014 6pp. 7-2014	-	-
15.	Nath ^C , R K	A new class of almost measure preserving maps on finite simple groups	Journal of Algebra and its Applications <i>World Scientific Publishing</i>	A	13 5 pp. 2014	0.373	-
16.	Goswami ^C , D & Pani, A K & Yadav, S	Optimal L^2 estimates for semidiscrete Galerkin method applied to parabolic integro-differential equations with nonsmooth data.	ANZIAM J. <i>Australian Mathematical Society</i>	A	55 245-266 2014	1.043	-
17.	Borah ^C , M & Mahanta, D J	Parameter Estimation of Weibull Growth Model in Forestry	International Journal of Mathematics Trends and Technology <i>Seventh Sense Research Group</i>	C	8-3 157-163 4-2014	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
18.	Borah ^C , M & Mahanta, S	A Study of Goodness –of- Fit Tests for Some Discrete Probability Distribution	International Journal of Innovative Research in Computer Science & Technology <i>Innovative Research Group</i>	C	2-3 82-84 5-2014	-	-
19.	Borah ^C , M & Saikia, P	A Comparative Study of Parametric Models of Old-Age Mortality	International Journal of Science and Research	C	3-5 406-410 5-2014	-	-
20.	Borah ^C , M & Dutta, P	Some Properties and Application of Size-Biased Poisson- Lindley Distribution	International Journal of Mathematical Archive	C	5-1 89-96 2014	-	-
21.	Vernant, P & Bilham, R & Szeliga, W & Drupka, D & Kalita, S & Bhattacharyya, AK & Gaur, VK & Pelgay, P & Cattin, R & Berthet, T	Clockwise rotation of the Brahmaputra Valley relative to India: Tectonic convergence in the eastern Himalaya, Naga Hills, and Shillong Plateau	Journal of Geophysical Research: Solid Earth <i>AGU Publications</i>	A	119 -8 6558-6571 8-2014	3.44	4
Papers Accepted/published online without assigning volume and issue							
22.	Baruah ^C , N D & Boruah, B	Colored partition identities conjectured by Sandon and Zanello	The Ramanujan Journal <i>Springer</i>	A	DOI 10.1007/s1113 9-014-9567-6, 55 pp., 2014	0.507	2
23.	Baruah ^C , N D & Sarmah, B K	Generalized Frobenius partitions with 6 colors	The Ramanujan Journal <i>Springer</i>	A	DOI 10.1007/s1113 9-014-9595-2, 21 pp., 2014	0.507	2
24.	Baruah ^C , N D & Das, K	Parity results for 7-regular and 23-regular partitions	International Journal of Number Theory <i>World Scientific Publishing</i>	A	Accepted	0.392	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
25.	Baruah ^C , N D & Ahmed, Z	New congruences for Andrews' singular overpartitions	International Journal of Number Theory <i>World Scientific Publishing</i>	A	Accepted	0.392	-
26.	Hazarika ^C , M & Kalita, B	Back-step extension of weighted shifts	Far-East Journal of Mathematical Sciences <i>Pushpa Publishing House</i>	E	Accepted	-	-
27.	Dutta ^C , S	Bandwidth Selection for Kernel based Interval Estimation of a Density	Journal of Data Science	C	Accepted	-	-
28.	Dutta ^C , S & Biswas, S	Assessing Market Risk of Indian Index Funds	Global Business Review	C	Accepted	-	-
29.	Dutta ^C , S	Cross Validation Revisitedaccepted.	Communications in Statistics - Simulation and Computation <i>Taylor & Francis</i>	A	Accepted	0.387	-
30.	Dutta ^C , S & Saha, K	Consistency of multivariate density estimators using random bandwidths	Communications in Statistics, Theory and Methods	A	Accepted	0.298	-
31.	Sen ^C , S & Kalita, J C	A 4OEC scheme for the biharmonic steady Navier-Stokes equations in non-rectangular domains	Computer Physics Communications <i>Elsevier</i>	A	Accepted	2.407	-
32.	Nath ^C , R K & Yadav, M K	Some results on relative commutativity degree	Rendiconti Del Circolo Matematico Di Palermo <i>Springer</i>	E	Accepted	-	-
33.	Das ^C , K	New proofs of some modular equations in the theory of signature 3	Journal of the Indian Mathematical Society <i>Indian Mathematical Society</i>	C	Accepted	-	-
34.	Goswami ^C , D & Damazio, P D	A two-grid finite element method for time-dependent incompressible Navier-	Numerical Mathematics-Theory, Methods and Applications	A	Accepted	0.767	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Stokes equations with non-smooth initial data					
(2013-14)							
1.	Baruah ^C , N D & Sarmah, B.K	Identities and congruences for the general partition and Ramanujan's tau functions	Indian Journal of Pure and Applied Mathematics <i>Springer</i>	A	44 643—671 10-2013	0.206	1
	Dutta ^C , P & Borah, M	Some properties and application of size-biased Poisson-Lindley distribution	International Journal of Mathematical Archive- <i>IJMA</i>	C	5-1 89-96 01-2014	-	-
3.	Baruah ^C , N D & Nath, K	Some results on 3-cores	Proceedings of the American Mathematical Society <i>American Mathematical Society</i>	A	142 441—448 11-2014	0.627	10
4.	Baruah ^C , N D & Nath, K	Infinite families of arithmetic identities for self-conjugate 5-cores and 7-cores	Discrete Mathematics <i>Elsevier</i>	A	321 57—67 x-2014	0.566	-
5.	Baruah ^C , N D & Nath, K	Infinite families of arithmetic identities for doubled distinct t-cores for t = 3; 4,...10	International Journal of Number Theory <i>World Scientific Publishing</i>	A	10-1 85—113 2-2014	0.392	-
6.	Barman ^C , R & Kalita, G	Hypergeometric functions over F_q and traces of Frobenius for elliptic curves	Proceedings of the American Mathematical Society <i>American Mathematical Society</i>	A	141 3403-3410 x-2013	0.611	-
7.	Barman ^C , R & Kalita, G	Elliptic curves and special values of Gaussian hypergeometric series	Journal of Number Theory <i>Elsevier</i>	A	133 3099-3111 x-2013	0.524	-
8.	Barman ^C , R & Kalita, G	On the polynomial x^d+ax+b over F_q and Gaussian hypergeometric series	International Journal of Number Theory <i>World Scientific Publishing</i>	A	9-7 1753-1763 x-2013	0.342	-
9.	Barman ^C , R	Another look at Iwasawa λ -invariants of p-adic measures on $\mathbb{Z}_p^\times$ and Γ -transforms. International	Journal of Number Theory <i>Elsevier</i>	A	9-5 1289-1299 x-2013	0.524	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
10.	Sen ^C , S	A New Family of (5.5) CC-4OC Schemes Applicable for Unsteady Navier- Stokes Equations	Journal Computational Physics <i>Elsevier</i>	A	251 251-271 x-2013	2.485	-
11.	Sen ^C , S & Kalita J	Unsteady Separation Leading to Secondary and Tertiary Vortex Dynamics: the sub- α and sub- β Phenomena	Journal of Fluid Mechanics <i>Cambridge University Press</i>	A	730 19-51 2013	2.294	-
12.	Sen ^C , S & Kalita J & Gupta, M M	A Robust Implicit Compact Scheme for Two- Dimentional Unsteady Flows with a Biharmonic Stream Function Formulation	Computers and Fluids <i>Elsevier</i>	A	84 141- 163 2013	1.532	-
13.	Haloi ^C , R	On solutions to a non-autonomous neutral differential equation with deviating arguments	Nonlinear Dynamics and Systems Theory	C	13-3 242-257 2013	-	02
14.	Deka ^C , B & Deka, R C	Finite element method for a class of Parabolic Integro-Differential Equation with Interfaces	Indian Journal of Pure and Applied Mathematics <i>Springer</i>	A	44-6 823-847 x-2013	0.206	-
15.	Deka ^C , B & Ahmed, T	Convergence of Finite Element Method for Linear Second order Wave Equations with Discontinuous Coefficients	Numerical Method for PDE <i>John Wiley & Sons</i>	A	29 1522-1542 x-2013	1.057	-
16.	Nath ^C , M & Paul, S	Graph transformation and distance spectral radius	Discrete Mathematics, Algorithms and Applications <i>World Scientific Publishing</i>	C	5-3 1350014-1-- 1350014-10 9-2013	-	-
17.	Nath ^C , M & Paul, S	On the distance spectral radius of trees	Linear and Multilinear Algebra <i>Elsevier</i>	A	61 847-855, 2013	0.7	5
18.	Nath ^C , M & Paul, S	On the minimal distance spectral radius in the class of bicyclic graphs	Discrete Mathematics, Algorithms and Applications <i>World Scientific Publishing</i>	C	6-1 1450014-1-- 1450014-13 1-2014	-	-
19.	Nath ^C , M &	A note on the distance spectral radius of	Discrete Mathematics, Algorithms	C	6-1	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Paul, S	some graphs	and Applications <i>World Scientific Publishing</i>		1450015-8 1-2014		
20.	Basnet ^C , D K & Bhattacharyya, J	Nil clean index of rings	International Electronic Journal of Algebra	C	15 145-156, 2014	-	-
21.	Das, A. K. & Nath, R K & Pournaki ^C M. R	A survey on the estimation of commutativity in finite groups	Southeast Asian Bulletin of Mathematics <i>Southeast Asian Mathematical Society</i>	C	37 161-180 2013	-	2
22.	Kalita ^C , D & Pati, S	A reciprocal eigenvalue property for unicyclic weighted directed graphs with weights from $\{+1, -1, +i, -i\}$	Linear Algebra and Its Applications <i>Elsevier</i>	A	449 417-434 2- 2014	0.983	6
23.	Kalita ^C , D	Algebraic Connectivity of Lollipop Graphs: A New Approach	Discrete Mathematics, Algorithms and Applications <i>World Scientific Publishing</i>	C	6-2 6pp 2014	-	-
24.	Choudhury ^C , A & Medhi, P	Reneging in Queues without waiting space	International Journal of Research in Applied, Natural and Social Sciences <i>Impact Journal Publication</i>		1-3 111-124 8-2013	-	-
(2012-13)							
1.	Doloi, C & Borah ^C , M	Cascade System with Mixture of Distributions	Int. Journal of Statistics and Systems	C	7-1 11-24, 2012.	-	-
2.	Borah ^C , M & Mahanta, D. J	Rapid parameter estimation of three parameter non linear growth models	International Journal of Mathematical Archive (IJMA) ISSN 2229-5046 4 (2)	C	4-2 274-282 2-2013	-	3
3.	Gogoi, J & Borah ^C , M	Inference on Reliability for Cascade Model	J. of Informatics and Mathematical Sciences	C	4- 1 1-7, 2012.	-	-
4.	Borah ^C , M & Doloi, C & Gogoi, J	Cascade System with $P(X < Y < Z)$	Journal of Informatics and Mathematical Sciences <i>RGN Publications</i>	C	5-1 37-47 2013.	-	-
5.	Borah ^C , M & Gogoi, J	Estimation of Reliability for Multi-component systems using Exponential,	Applications of Reliability Theory and Survival Analysis, N.		66-78 2012.	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Gamma Stress-Strength Distributions	Chandra and G. Gopal (Eds.)				
6.	Borah ^C , M & Gogoi, J & Sriwastav	An n-standby Repairable System with Imperfect Switching	OPSEARCH <i>Springer</i>	C	50-3 346-357 9- 2012.	-	-
7.	Borah ^C , M & Gogoi, J	Estimation of Reliability for Multi-component systems using Exponential, Gamma Lindley Stress-Strength Distributions	Journal of Reliability and Statistical Studies	C	5-10 2012.	-	6
8.	Borah ^C , M & Doloi, C	Cascade Reliability in Different Types of Failure Models	International Journal of Statistics and Analysis (IJSA)	C	2-3 305—314 2012.	-	-
9.	Borah ^C , M & Nath, A	Inter District Developmental Disparities on Education in Assam	Social Development: Perspective, Issues and Dimensions for India, A.K. Singh and A. P. Singh (Eds.) <i>Global Research Publications, New Delhi</i>		143--162 2012.	-	-
10.	Borah ^C , M & A. Bhuyan	Flood frequency Analysis of Tripura using L-moment	Journal of Applied and Natural Science	C	4-1 36—41 2012.	-	2
11.	Borah ^C , M & Gogoi, J	Identical Stress for a Warm Standby System with Imperfect Switching	IAPQR Transactions	C	3-1 2012	-	-
12.	Saikia ^C , P & Borah, M	A Study on Mathematical Modelling for Oldest-Old Mortality Rates	International Journal of Mathematical Archive <i>IJMA</i>	C	4-11 104-112 11-2013	-	-
13.	Baruah ^C , N D & Sarmah, B K	Identities for self-conjugate 7- and 9-core partitions	International Journal of Number Theory <i>World Scientific Publishing</i>	A	8-3 653-667 -2012	0.473	3
14.	Baruah ^C , N D & Ojah, K	Analogues of Ramanujan's partition identities and congruences arising from his theta functions	The Ramanujan Journal <i>Springer</i>	A	28-3 385-407 2012.	0.825	12

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		and modular equations					
15.	Baruah ^C , N D & Baruah, B	Two theta function identities of Ramanujan and representation of a number as a sum of three squares and as a sum of three triangular numbers	Integers-The Electronic Journal of Combinatorial Number Theory	C	#A40 11pp. 2012.	-	1
16.	Baruah ^C , N D & Sarmah B K	The number of representations of a number as sums of various polygonal numbers	Integers	C	#A54 16 pp. 2012	-	-
17.	Baruah ^C , N D & Bora, J & Ojah, K.K	Ramanujan's modular equations of degree 5	Proceedings of the Indian Academy of Science (Mathematical Sciences) <i>Springer</i>	A	122-4 485--506, 2012	0.165	-
18.	Baruah ^C , N D & Nath, K	Infinite families of arithmetic identities for 4-cores	Bulletin of the Australian Mathematical Society <i>Cambridge University Press</i>	A	87 304-315 2013	0.483	4
19.	Hazarika ^C , D & Hazarika, D	Fuzzy regions with holes and their topological relations in a special fuzzy topological space	Annals of Fuzzy Mathematics and Informatics <i>Kyung Moon Sa</i>	C	3 -1 89-101 2012	-	-
20.	Hazarika ^C , D & Hazarika, D	Fuzzy Boundaries and Their Generalizations	Journal of Fuzzy Mathematics <i>International Fuzzy Mathematics Institute, Los Angeles</i>	C	20-3 721-730 2012	-	-
21.	Hazarika ^C , D & Hazarika, D	Topological Relations between Fuzzy Regions with Holes in a General Fuzzy Topological Space	Journal of Informatics and Mathematical Sciences <i>RGN Publications</i>	C	4-2 189-198 2012	-	1
22.	Hazarika ^C , M & Phukon, A	On hyponormality of Toeplitz operators on the weighted Bergman space	Communications in Mathematics and Applications <i>RGN Publications</i>	C	2- 2012	-	-
23.	Hazarika ^C , M & Phukan, A	Necessary Conditions for hyponormality of Toeplitz Operators on the Bergman space	International Journal of Mathematical Analysis <i>Hikari</i>	C	7-4 485—490 2013	-	1
24.	Hazarika ^C , M &	Finite rank perturbation of 2-hyponormal	International Journal of	C	5-1	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Kalita, B	weighted shifts	Functional Analysis, Operator Theory and Applications <i>Pushpa Publishing House</i>		19—35 2013.		
25.	Hazarika ^C , M & Phukon, A	On hyponormal Toeplitz operators on the Bergman space	Advances in Theoretical and applied mathematic <i>Research India Publication</i>		7-3 211-224 2012	-	-
26.	Barman ^C , R & Kalita, G	Hypergeometric functions and a family of algebraic curves	The Ramanujan Journal, <i>Springer</i>	A	28-2, 175-185, 2012.	0.825	-
27.	Barman, R & Saikia ^C , A	Iwasawa lambda invariants of p-adic measures on $(\mathbb{Z}_p)^n$ and their Γ -transforms	J. Number Theory <i>Elsevier</i>	A	132-10 2258–2266 2012	0.524	-
28.	Barman ^C , R & Kalita, G	Certain values of Gaussian hypergeometric series and a family of algebraic curves	Int. J. Number Theory <i>World Scientific Publishing</i>	A	8-4 945–961 2012	0.342	-
29.	Kalita ^C , J. C & Sen, S	Triggering Asymmetry for Flow Past Circular Cylinder at Low Reynolds Numbers	Computers and Fluids <i>Elsevier</i>	A	59, 44-60, 4-2012.	1.835	-
30.	Kalita ^C , J. C & Sen, S	The biharmonic approach for unsteady flow past an impulsively started circular cylinder	Communications in Computational Physics <i>Global Science Press</i>	A	12- 1163-1182 10-2012.	1.85	-
31.	Haloi ^C , R & Pandey, D N & Bahuguna, D	Existence and uniqueness of a Solution for a Non-Autonomous Semilinear Integro-Differential Equation with Deviated Argument	Differential Equation and Dynamical systems <i>Springer</i>	C	20-1 1-16 2012	-	4
32.	Haloi ^C , R & Pandey, D N & Bahuguna, D	Existence and uniqueness of solutions for quasi-linear differential equations with deviating arguments	Electron. J. Diff. Equ.,	B	2012-13 1-10. 2012	0.419	11
33.	Deka ^C , B & Sinha, R K	Finite element methods for second order linear hyperbolic interface problems	Applied Mathematics and Computation <i>Elsevier</i>	A	218 10922— 10933, 2012.	1.317	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
34.	Deka ^C , B & Ahmed, T	Semidiscrete Finite Element Methods for Linear and Semilinear Parabolic Problems with Smooth Interfaces: Some new Optimal Error Estimates	Numer. Funct. Anal. Optim. <i>Taylor & Francis</i>	A	33 524-544 2012	0.542	-
35.	Nath ^C , M & Paul, S.	On the distance spectral radius of bipartite graphs	Linear Algebra and its application <i>Elsevier</i>	A	436-5 1285-1296 2012	1.005	8
36.	Nath ^C , M	Minimal configuration bicyclic graphs	Linear and Multilinear Algebra <i>Taylor & Francis</i>	A	61 255-264 2013.	0.727	1
37.	Nath ^C , M & Bose, S & Paul, S	On maximal distance spectral radius of graphs without a pendent vertex	Linear Algebra and its Applications <i>Elsevier</i>	A	438 -11 4260–4278 2013	-	2
38.	Das ^C , A. K & Nath, R K	A generalization of commutativity degree of finite group	Communications in Algebra <i>Taylor & Francis</i>	A	40- 6 1974 – 1981 2012	0.347	1
39.	Nath ^C , R K	Commutativity degree of a class of finite groups and consequences	Bulletin of Australian Mathematical Society <i>Cambridge University Press</i>	A	88-3 448–452 1-2013	0.545	-
40.	Kalita ^C , D & Bapat, R B & Pati, S	On Weighted Directed Graphs	Linear Algebra and its Applications <i>Elsevier</i>	A	436 -1 99-111 2012	1.005	-
41.	Kalita ^C , D	On 3 colored digraph with exactly one nonsingular cycle	Electronic Journal of Linear Algebra	A	23 397-421, 4- 2012	0.808	-
42.	Kalita ^C , D & Pati, S	On the Spectrum of 3-colored Digraphs	Linear and Multilinear Algebra <i>Taylor & Francis</i>	A	60 743-756 2012.	0.818	1
43.	Kalita ^C , D &	Spectral integral variation and unicyclic 3-colored digraphs with second smallest eigenvalue 1	Linear Algebra and its Applications <i>Elsevier</i>	A	439 55–65 2013	1.005	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
44.	Choudhury, L & Bhagawati ^C , B & Medhi, P.	Assessment of various factors influencing Reproductive health of Women of slum and non slum areas of Guwahati	Indian Journal of Maternal and Child Health	P	14-1 1-9 2012	-	-
45.	Choudhury, A & Medhi ^C , P	Performance Evaluation of a Finite Buffer System with Varying Rates of Impatience.	Journal of Turkish Statistical Association <i>Izmir University of Economics</i>	A	6-1 42-55 2013	0.356	-
46.	Choudhury ^C , A & Medhi, P	Customers Impatience in a Service facility with limited waiting space	International Journal Mathematics in Operational Research <i>Inderscience Enterprises Ltd.</i>	P	5-3 387—406 2013.	-	-
47.	Medhi ^C , P & Choudhury, A.	A Few words on M/E _K /1/1 Queuing model with reneging customer	International Journal of Applied Mathematics and Statistical Sciences <i>Science Publishing Group</i>	P	1-1 1-9 2012	-	-
(2011-12)							
1.	Doloi, C & Borah ^C , M	Cascade System with Mixture of Distributions	International Journal of Statistics and Systems	C	7-1 11-24 2012	-	-
2.	Doloi, C & Borah ^C , M	Time Dependent Cascade Model with Number of Stresses A Poisson Process	Journal of Statistics and Applications	C	6- (1-2) 37-59 2011	-	-
3.	Gogoi, J & Borah ^C , M	Identical Stress-Strength Model with Random Parameters in Reliability Theory	Journal of Statistics and Applications	C	6-(1-2) 15-24, 2011.	-	-
4.	Gogoi, J & Borah ^C , M	Inference on Reliability for Cascade Model	Jour. of Informatics and Mathematical Sciences	C	4- 1 77-83, 2012.	-	1
5.	Gogoi, J & Borah ^C , M	Warm Standby with Imperfect Switching in Cascade Model	International Journal of Statistics and Analysis	C	1- 4 359-366 2011	-	-
6.	Borah ^C , M &	Flood Frequency Analysis of the North-	Journal of Statistics &	C	7	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Bhuyan, A	Bank region of the River Brahmaputra by using LQ-moments	Applications <i>MD Publications</i>		1-2012		
7.	Borah ^C , M & Bhuyan, A	LQ-Moments for Regional Flood Frequency Analysis: A Case Study for the North-Bank Region of the Brahmaputra River, India	Journal of Modern Applied Statistical Methods <i>Digital Commons</i>	C	10-2 730-740 11-2011	-	-
8.	Baruah ^C , N D & Nayak, N	New hypergeometric-like series for $\frac{1}{\pi^2}$ arising from Ramanujan's theory of elliptic functions to alternative base 3	Trans. Amer. Math. Soc. <i>American Mathematical Society</i>	A	363-2 887-900 2011.	1.095	1
9.	Baruah ^C , N D & Ojah, K K	Some congruences deducible from Ramanujan's cubic continued fraction International	Journal of Number Theory <i>Elsevier</i>	A	7- 5 1331-1343 2011	0.542	10
10.	Baruah ^C , N D & Sarmah, B K	Congruences for generalized Frobenius partitions with 4 colors	Discrete Mathematics <i>Elsevier</i>	A	311- 17 1892-1902 2011	0.566	11
11.	Baruah ^C , N D & Sarmah, B K	Identities for selfconjugate 7- and 9-core partitions	International Journal of Number Theory <i>World Scientific Publishing</i>	A	8- 3 653-667 2012	0.342	3
12.	Hazarika ^C , D & Hazarika, D	Fuzzy regions with holes and their topological relations in a special fuzzy topological space	Annals of Fuzzy Mathematics and Informatics <i>Kyung Moon Sa</i>	C	3-1 89-101 2012	-	2
13.	Hazarika ^C , D & Hazarika, D	On certain generalizations of fuzzy boundary	International Mathematical Forum <i>Hikari Publication</i>	C	6-46 2293 - 2303 2011	-	2
14.	Hazarika ^C , M & Phukon, A	On hyponormality of toeplitz operators on the weighted bergman space	Communications in Mathematics and Applications <i>RGN Publication</i>	C	3- 2 147-157 5- 2012	-	1
15.	Barman ^C , R	On p-adic properties of certain Mahler coefficients	Journal of Ramanujan Math. Soc. <i>Ramanujan Math. Soc.</i>	A	26-2 195-202 2011	0.467	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
16.	Barman ^C , R & Kalita, G	Certain values of Gaussian hypergeometric series and a family of algebraic curves,	International Journal of Number Theory <i>World Scientific Publishing</i>	A	8-4 945-961 2012	0.342	-
17.	Barman ^C , R & Kalita, G	Hypergeometric functions and a family of algebraic curves.	<i>Ramanujan J.</i> <i>Springer</i>	A	28 -2 175–185 2012	0.542	-
18.	Kalita ^C , J C & Sen, S	The biharmonic approach for unsteady flow past an impulsively started circular cylinder	Communications in Computational Physics <i>Global Science Press, Beijing, PRC</i>	A	12 1163-1182, 2012	1.835	-
19.	Kalita ^C , J C & Sen, S	Triggering asymmetry for flow past circular cylinder at low Reynolds numbers	Computers and Fluids <i>Elsevier, UK</i>	A	59 44-60 2012.	1.810	-
20.	Haloi ^C , R & Pandey, D N & Bahuguna, D	Existence and uniqueness of solutions for quasi-linear differential equations with deviating arguments	Electron. J. Diff. Equ.	C	2012-13 1-10 2012	-	-
21.	Haloi ^C , R & Pandey, D N & Bahuguna, D	Existence of solutions to a non-autonomous abstract neutral differential equation with deviated argument	Journal of Nonlinear Evolution Equations and Applications	C	2011 -5 75-90 2011	-	4
22.	Nath ^C , M & Bose, S & Paul, S	Distance spectral radius of graphs with r pendent vertices	Linear Algebra and its Applications <i>Elsevier</i>	A	435-11 2828-2836 5-2011	1.005	-
23.	Nath ^C , M & Bose, S & Paul, S	On the distance spectral radius of cacti	Linear Algebra and its Applications <i>Elsevier</i>	A	437 -9 2128–2141 11-2012	1.005	2
24.	Das ^C , A K & Nath, R K	On generalized commutativity degree of a finite group	Rocky Mountain Journal of Mathematics <i>Rocky Mountain Mathematics Consortium</i>	A	41- 6 1987-2000 2011	0.491	1
25.	Das ^C , A K & Nath, R K	A characterization of certain finite groups of odd order	Mathematical Proceedings of the Royal Irish Academy	C	111A-2 69—78	-	7

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			<i>Royal Irish Academy</i>		12-2011		
26.	Kalita ^C , D	On 3-colored Digraphs with Exactly One Nonsingular Cycle	Electronic Journal of Linear Algebra	C	23 397-421 4- 2012	-	1
27.	Kalita ^C , D & Bapat, R B & Pati, S	On Weighted Directed Graphs	Linear Algebra and Its Applications <i>Elsevier</i>	A	463-1 99-111 2012	1.005	-
28.	Choudhury, A & Medhi ^C , P	Balking and Reneging in Multiserver Markovian Queuing System	International Journal Mathematics in Operational Research <i>Inderscience Enterprises Ltd</i>	P	3-4 377-394 2011	-	-
29.	Choudhury, A & Medhi ^C , P	A simple analysis of Customer Impatience in Multiserver Markovian Queue.	International Journal of Applied Management Science, <i>Inderscience Publisher</i>	P	3-3 294-315 2011.	-	-
30.	Choudhury, A & Medhi ^C , P	Some Aspects of Balking and Reneging in Finite Buffer Queues Page No: 223-240	RAIRO-OPERATIONS RESEARCH <i>EDP Sciences</i> (Cambridge University Press)	A	45-3 223-240 2011	0.333	-

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
	(See Note 1.)		(Additionally mention Event name if not explicit in the title)	(N, I, R or L)	(in 2 rows. See Note 3.)	
1.	Sen ^C , S & Kalita, J C	Investigation on dragchange of a cylinder of performing rotator oscillation	Proceedings of the IUTAM Symposium on Bluff Body Flows	I	291-294 2011	-
2.	Baruah ^C , N.D. & Sarmah B.K	Two Quotients of Theta Functions and Arithmetic Identities for 3- cores	The Legacy of Srinivasa Ramanujan,	Ramanujan Mathematical	20 99-110	-

			(Eds. Berndt, B C &. Prasad, D) RMS Lecture Notes.	Society	11-2013	
3.	Baruah ^C , N D & Das, K	Bipartitions with 4-cores and sextenary quadratic forms	RMS Lecture Notes Series, Ramanujan Mathematical Society <i>Ramanujan Mathematical Society</i>	C	Accepted	-

C. Seminar/ Conference /Workshop Publications (Others): Nil**D. Chapters in Books**

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
	(See Note 1.)		(Eds)		(in 2 rows. See Note 3.)	
1.	Kalita ^C , D	Determinant of the Laplacian Matrix of Weighted Directed graphs	Combinatorial Matrix Theory and Generalized inverses of Matrices (Eds. Bapat, R. B. et. al.)	Springer	57-62 -2013	-

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
	(See Note 1.)				(See Note 3.)
1.	Nath ^C , R K	Some new directions in Commutativity Degree of finite groups: Recent Developments	LAP LAMBERT Academic Publishing House	978-3-8465-4657-4	12-2011

Department: Molecular Biology and Biotechnology

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
(2015)									
1	Das, D & Sharma, M & Das, H & Sahu, PP & Doley R ^C	Purification and Characterization of Nk-3FTx, A Three Finger Toxin (3FTx) from the venom of North East Indian Monocled Cobra.	Journal of Biochemical and Molecular Toxicology <i>Wiley</i>	A, B,C ,D, P	[Epub ahead of print]		8-2015	1.596	-
2	Dey, DM & Shukla, R & Bordoloi, NK & Doley, R & Mukhopadhyay, R ^C	Mechanism of Adsorptive Removal of Methylene Blue Using Dried Biomass of <i>Rhizopus oryzae</i> .	Applied Biochemistry and Biotechnology Part A: Enzyme Engineering and Biotechnology <i>Springer</i>	A, B,C ,D, P	[Epub ahead of print]		8-2015	1.735	-
3	Sharma, M & Krishnamurthy, IJ & Kini, RM & Doley, R ^C	Unveiling the complexities of Daboia russelii venom, a medically important snake of India, by tandem mass spectrometry	Toxicon <i>Elsevier</i>	A, B,C ,D, P	[Epub ahead of print]		-	2.924	-
4	Brahma, RK & McCleary, RJR & Kini, RM & Doley, R ^C	Venom gland transcriptomics for identifying, cataloging, and characterizing venom proteins in snakes	Toxicon <i>Elsevier</i>	A, B,C ,D, P	93	1–10	1-2015	2.924	-
5	Ray SK & Kumar R & Peeters N & Boucher C & Genin S ^C .	<i>rpoN1</i> , but not <i>rpoN2</i> , is required for twitching motility, natural competence, growth on nitrate and virulence of <i>Ralstonia solanacearum</i> .	Frontiers in Microbiology	C, P	6	229	3-2015	4.0	-
6	Prajapati VK & Satapathy SS & Satish Kumar MV & Buragohain AK & Ray SK ^C .	Evidences indicating the involvement of selection mechanisms for the occurrence of C ₃₄ anticodon in bacteria.	Journal of Cell Science Molecular Biology	C, P	2	112	3-2015	No IF	-
7	Zhang, F & Patel, DM & Colavita, K &	Arginylation regulates purine nucleotide biosynthesis by enhancing the activity of	Nature Communications	A, B,C ,D, P	15-6	1-9 Artic	7-2015	11.47	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
	Rodionova, I & Buckley, B & Scott, DA & Kumar, A & Shabalina, SA & Saha, S&Chernov, M & Osterman, AL & Kashina ^C , A.	phosphoribosyl pyrophosphate synthase.				le No. 7517			
8	Barua, S & Gogoi, B & Aidew, L & Buragohain, A.K & Chattopadhyay, P. & Karak, N. ^c	Sustainable resource based hyperbranched epoxy nanocomposite as an infection resistant, biodegradable, implantable muscle scaffold	ACS Sustainable Chem. Eng ACS Publications	B, C, P	3 (6)	1136 - 1144	5- 2015	4.642	-
9	Upadhyay, J & Kumar ^c , A & Gogoi, B. & Buragohain A.K.	Antibacterial and hemolysis activity of polypyrrole nanotubes decorated with silver nanoparticles by an in-situ reduction process	Materials Science and Engineering C Elsevier	A, B, C, E, P	54	8-13	9-2015	3.088	-
10	Pramanik, S. & Gopalakrishna, R. & Barua, N. & Buragohain, A. K.& Karak, N. ^c	Montmorillonite immobilized Curcuma aromatic/ Zanthoxylum limonella oil nanoconjugate as a green antibacterial and biocompatible material with mosquito repellent attributes	Applied Clay Science	A, B, C, E, P	109-110	33-38	6-2015	2.467	-
11	Das, D. & Choudhury, P. & Bortahkur, L. & Gogoi, B & Buragohain, A.K. & Dolui, S.K. ^c	Synthesis and characterization of SiO ₂ /polyaniline/Ag core-shell particles and studies of their electrical and hemolytic properties: multifunctional core-shell particles	RSC Adv RSC Publishing	A, B, C, E, P	5	2360 - 2367	2015	3.84	-
12	Shekhar, S. & Mishra, D. & Buragohain, A.K & Chakraborty, S. & Chakraborty, N. ^c	Comparative analysis for nutrient availability in two contrasting cultivars of sweet potato (<i>Ipomoea batatas</i> L.).	Food Chem Elsevier	A, B, C, E, P	15(173)	957-65	15 April 2015	3.391	2
13	Yata, VK & Thapa, A, & Satish Kumar, MV ^c	Structural insight into the binding interactions of modelled structure of	Journal of Biomolecular Structure and Dynamics	A	33	845-851	April-2015	2.919	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
		Arabidopsis thaliana urease with urea: An In silico study							
14	Dey, MD & Mukhopadhyay, R ^C	Adsorptive Removal of Methylene Blue by Biomass of <i>Aspergillus versicolor</i> : A Mechanistic Study	Int. J. Adv. Res. Sci. Technol.	C,P	4	398-405	6-2015	-	-
15	Rao, LN & Ponnusamy, T & Philip, S & Tarate, S & Mukhopadhyay, R & Kakkar, VV, & Mundkur, L ^C	Hypercholesterolemia Induced Immune Response and Inflammation on Progression of Atherosclerosis in Apobtm2SgyLdlrtm1Her/J Mice	Lipids	A, B, C, E, P	50	785-797	8-2015	1.85	-
16	Mukhopadhyay, R ^C & Guha, AK	A Comprehensive Analysis of the Nutritional Quality of Edible Mushroom <i>Pleurotus sajor-caju</i> Grown in Deproteinized Whey Medium	LWT-Food Sci. Technol.	A, B, C, E, P	61	339-345	1-2015	2.416	-
17	Upadhyay, J & Kumar ^C , A & Gupta, K & Mandal M	Investigation of physical and biological properties of polypyrrole nanotubes-chitosan nanocomposites	Carbohydrate polymers,Elsevier	A, B,C ,D	132	481-489	2015/11 /5	4.07	-
18	De, B & Gupta, K & Mandal, M & Karak ^C , N	Biocide immobilized OMMT-carbon dot reduced Cu 2 Onanohybrid/hyperbranched epoxy nanocomposites: Mechanical, thermal, antimicrobial and optical properties	Materials Science and Engineering: C, Elsevier	A, B,C ,D	56	74-83	2015/11 /1	3.008	-
19	Roy ^C , J.K & Manhar, A. K & Nath, D & Mandal, M & Mukherjee, A. K	Cloning and extracellular expression of a raw starch digesting α -amylase (Blamy-I) and its application in bioethanol production from a non-conventional source of starch	Journal of basic microbiology, Wiley	A, B,C ,D			2015/7/ 1	1.823	-
20	Manhar, AK & Saikia, D & Bashir, Y & Mech, R.K & Nath, D, Konwar B.K &	In vitro evaluation of cellulolytic <i>Bacillus amyloliquefaciens</i> AMS1 isolated from traditional fermented soybean (Churpi) as an animal probiotic	Research in veterinary science,WB Saunders	A, B,C ,D	99	149-156	2015/4/ 30	1.409	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
	Mandal ^C , M,								
21	Iman, M & Mandal, M & Maji ^C , TK	Effect of zinc oxide and nanoclay on crosslinked jute-reinforced soy flour green nanocomposites	Journal of Composite Materials, SAGE Publications	A, B,C ,D		0021 9983 1558 0831	2015/4/ 15	1.173	-
22	De, B & Gupta, K & M Mandal & Karak, ^C N.	Tough hyperbranched epoxy/neem-oil-modified OMMT thermosetting nanocomposite with an antimicrobial attribute	New Journal of Chemistry,Royal Society of Chemistry	A, B,C ,D	39	595-603	1, 2015	3.08	-
23	Yata, VK & Thapa, A & Satish Kumar, MV ^C	Structural insight into the binding interactions of modelled structure of Arabidopsis thaliana urease with urea: An In silico study	Journal of Biomolecular Structure and Dynamics	A	33	845-851	April-2015	2.919	-
24	Rai, SK ^C , & Mukherjee, AK	Optimization for production of liquid nitrogen fertilizer from the degradation of chicken feather by iron-oxide (Fe ₃ O ₄) magnetic nanoparticles coupled β -keratinase	Biocatalysis and Agricultural Biotechnology Elsevier	A,B,C,E,P	Article in Press	Article in Press	Article in Press	-	-
25	Mukherjee, AK ^C & Saviola, AJ & Burns, PD, & Mackessy, SP	Apoptosis induction in human breast cancer (MCF-7) cells by a novel venom L-amino acid oxidase (Rusvinoxidase) is independent of its enzymatic activity and is accompanied by caspase-7 activation and reactive oxygen species production.	Apoptosis Springer	A,B,C,E,P	20	1358 - 1372	8-2015	3.685	-
26	Majumdar, S & Dutta, S & Das, T & Chattopadhyay, P & Mukherjee, AK ^C	Antiplatelet and antithrombotic activity of a fibrin(ogen)olytic protease from <i>Bacillus cereus</i> strain FF01	International Journal of Biological Macromolecules Elsevier	A,B,C,E,P	79	477-489	8-2015	3.096	-
27	Roy, JK ^C & Manhar, AK & Nath, D & Mandal, M &	Cloning and extracellular expression of a raw starch digesting α -amylase (Blamy-I) and its application in	Journal of Basic Microbiology Wiley	A,B,C,E,P	55	1-12	7-2015	1.823	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
	Mukherjee, AK	bioethanol production from a non-conventional source of starch							
28	Thakur, R & Chattopadhyay D & Ghosh SS, & Mukherjee, AK ^c	Elucidation of procoagulant mechanism and pathophysiological significance of a new prothrombin activating metalloprotease purified from <i>Daboia russelii russelii</i> venom.	Toxicon Elsevier	A,B,C,E,P	100	1-12	6-2015	2.708	-
29	Majumdar, S. ^c & Goswami, S & Keppen, C & Rai, SK, & Mukherjee, AK	Statistical optimization for improved production of fibrin(ogen)olytic enzyme by <i>Bacillus cereus</i> strain FF01 and its <i>in vitro</i> thrombolytic potential assessment.	Biocatalysis and Agricultural Biotechnology Elsevier	A,B,C,E,P	4	191-198	4-2015	-	-
30	Dutta, S & Gogoi, D, & Mukherjee, AK ^c	Anticoagulant mechanism and platelet deaggregation property of a non-cytotoxic, acidic phospholipase A ₂ purified from Indian cobra (<i>Naja naja</i>) venom: Inhibition of anticoagulant activity by low molecular weight heparin.	Biochimie Elsevier	A,B,C,E,P	110	93-106	3-2015	3.124	-
31	Thakur, R & Chattopadhyay, P, & Mukherjee, AK ^c	Biochemical and pharmacological characterization of a toxic fraction and its cytotoxin-like component isolated from Russell's Viper (<i>Daboia russelii russelii</i>) venom.	Comparative Biochemistry and Physiology Elsevier	A,B,C,E,P	168	55-65	2-2015	2.301	-
32	Majumdar, S & Chattopadhyay, P, & Mukherjee, AK ^c	<i>In vivo</i> anticoagulant and thrombolytic activities of a fibrinolytic serine protease (Brevithrombolase) with the k-carrageenan-induced rat tail thrombosis model	Clinical and Applied Thrombosis-Hemostasis Wiley	A,B,C,E,P			2-2015	2.392	-
33	Deka, B & Mandal M & Mattaparthi Venkata, S K & Doley, R & Naglot A &	Green synthesis, characterization and antibacterial activity of silver nanoparticles using aqueous leaf extract of <i>Artemisia annua</i> L.	International Journal of Nanomedicine Dove Medical Press	A	Accepted		2015	4.383	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
	Baruah, I & Veer V, Namsa, ND ^C								
34	Kumar, N & Hazarika, SN & Limbu, S & Boruah, R & Deb, P & Namsa, ND ^C & Das, SK ^C	Hydrothermal synthesis of anatase titanium dioxide mesoporous microspheres and their antimicrobial activity.	Microporous and Mesoporous Materials Elsevier	B	213	181-87	September-2015	3.453	-
35	Mohammed, A ^C & Chiruvella, KK & Namsa, ND & Ghanta, RG	An efficient in vitro shoot regeneration from leaf petiolar explants and ex vitro rooting of <i>Bixa orellana</i> L.- A dye yielding plant.	Physiology Molecular Biology Plants Springer	C & E	21; 3	417-424	July-2015	Nil	-
36	Kalita, E ^C & Nath, BK & Deb, P & Agan, F & Islam, Md R & Saikia, K	High quality fluorescent cellulose nanofibers from endemic rice husk: Isolation and characterization	Carbohydrate Polymers Elsevier	A, B, E, P	122	308-313	1-2015	4.074	-
37	Dutta A & Saikia N & Phukan J & Baruah M.N & Baruah S	Negative regulation of natural killer cell in tumour tissue and peripheral blood of oral squamous cell carcinoma	Journal: Cytokine Publisher: Elsevier			In press		2.664	-
38	Schlaepfer I & Nambiar D & Ramteke A & Kumar R & Dhar D & Agarwal C & Bergman B & Graner M & Maroni P & Singh R & Agarwal R, Deep G	Hypoxia induces triglycerides accumulation in prostate cancer cells and extracellular vesicles supporting growth and invasiveness following reoxygenation. Advance Publications 2015 [ISSN: 1949-2553].	Oncotarget	A, B,C , P	6 ,26	2283 6-2285 6	6-2015	6.63	-
39	Borah R & Kumar A & Das M K & Ramteke A	Surface functionalization induced enhanced surface properties and biocompatibility of polyaniline nanofibers. DOI: 10.1039/C5RA01809A	RSC Advances [ISSN No: 2046-2069].	A, B, C, P	5	4897 1-4898 2	5- 2015,	3.84	-
(2014)									
1	Kalita, D & Saikia, J	An ethnomedicinal survey of	International Journal of	A, B,C ,D,	4(2)	97-	6- 2014	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
	& Mukherjee, AK & Doley, R ^C	traditionally used medicinal plants for the treatment of snakebite in Morigaon district of Assam, India	Medicinal and Aromatic Plants Medicinal and Aromatic Plant Association of India <i>Open Access Science Research Publisher</i>	P		106			
2	Sharma, M & Gogoi, N & Dhananjaya BL & Menon, JC, & Doley, R ^C	Geographical variation of Indian Russells viper venom and neutralization of its coagulopathy by polyvalent antivenom.	Toxicol. Toxin. Rev. <i>Taylor & Francis Publication</i>	A, B,C ,D, P	33	7-15	3- 2014	3.207	-
3	Brahma, RK & Dixit, V & Sangwan, AK, & Doley, R ^C	Identification and characterization of Rhipicephalus (Boophilus) microplus and Haemaphysalisbispinosa ticks (Acari: Ixodidae) of North East India by ITS2 and 16S rDNA sequences and morphological analysis	Experimental and Applied Acarology <i>Springer</i>	A, B,C ,D, P	62(2)	253-65	2- 2014	1.847	-
4	Biswas, K & Roy, JK & Doley, R & Mohanta, D ^C , & Mukherjee, AK	Imaging Bactericidal Effect of Faceted Ag Nanostructures (FAGN) on Gram Negative, Coli Form Escherichia coli Bacteria	Bionanosci. <i>American Scientific Publishers</i>	A, B,C ,D, P	8	248-254	8-2014	-	-
5	Lian, L & Suzuki, A & Hayes, V & Saha, S & Han, X & Xu, T & Yates, JR 3 rd & Poncz, M & Kashina, A & Abrams ^C , CS.	Loss of ATE1-mediated arginylation leads to impaired plateletmyosin phosphorylation, clot retraction, and in vivo thrombosis formation.	Haematologica	A, B,C ,D, P	99-3	554-560	3-2014	5.814	-
6	Ray SK ^C & Baruah, VJ & Satapathy S S & Banerjee R.	Co-translational protein folding is revealing the selective use of synonymous codons along the coding sequence of a low expression gene.	Journal ofGenetics (Springer Link)	C, E, P	93	613–617	12-2014	1.01	-
7	Satapathy SS &	Constraint on dinucleotides by codon	Gene (Elsevier)	C, P	536	18-	12-2014	2.25	-

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	Powdel BR & Dutta M & Buragohain AK & Ray SK ^c	usage bias in bacterial genomes				28			
8	Satapathy SS & Powdel BR & Dutta M & Buragohain AK & Ray SK ^c	Selection on GGU and CGU codons in the high expression genes in bacteria.	Journal of Molecular Evolution	C, E, P	78	13-23	1-2014	2.27	-
9	Satapathy SS & Ray SK ^c	Missed cites	Current Science	C, E, P	107	1633 - 1634	11-2014	0.935	-
10	Pandey A & Ray SK & Sonti R & RajeshwariR ^c	<i>gltB/D</i> mutants of <i>Xanthomonas oryzaepv.oryzae</i> are virulence deficient	Current Microbiology	C, P	68	105-112	1-2014	1.5	-
11	Gogoi, B & Chatterjee, P & Mukherjee, S & Buragohain, AK & Bhattacharya, S & Dasgupta, S ^c	A polyphenol rescues lipid induced insulin resistance in skeletal muscle cells and adipocytes.	Biochemical and Biophysical Research Communications. Elsevier	A, B, C, E	452(3)	382-388	9, 2014	2.297	-
12	Borgohain, T & Gogoi, B & Buragohain, AK & Dasgupta, S ^c	Protective and curative effect of Scoparia dulcis leave extract against free fatty acid induced insulin resistance in rat L6 myotubes.	American Journal of Phytomedicine and Clinical Therapeutics. Tlba Pharmaceuticals Pvt Ltd	C, P	2(7)	842-854	2014	-	-
13	Aidew, L. & Buragohain, A.K. ^c	Antimicrobial and Antioxidant activities of the fruit of <i>Trapanatans</i> L. var. <i>Bispinosa</i> reveal its therapeutic potential	Am J PhytomedClinTher. Pubicon International Publications	P	2 (10)	1234 - 1245	2014	-	-
14	Barua, S & Chattopadhyay, P & Aidew, L & Buragohain, A. K. & Karak, N. ^c	Infection resistant implantable hyperbranched epoxy/ clay-silver nanocomposite	Polymer International Wiley	A, B, C,E, P	64,	303-311	9-2014	2.409	1

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15	Bhattacharya, K & Gogoi, B & Buragohain, A.K. & Deb, P. ^c	Fe ₂ O ₃ /C nanocomposites having distinctive antioxidant activity and hemolysis prevention activity	Material Science and Engineering C Elsevier	A, B, C, E, P	42	595-600	9- 2014	3.230	3
16	Kalita, M & Gogoi, P & Barman, P. ^c & Sarma, B & Buragohain A.K., & Kalita, R.D.	A new series of Ni(II), Cu(II), Co(II) and Pd(II) complexes with an ONS donor Schiff base: Synthesis, crystal structure, catalytic properties and bioactivities	Polyhedron Elsevier	A, B, C, E, P	7(4)	93-98	5- 2014	1.952	8
17	Upadhyaya, J & Kumar, A. ^c & Gogoi, B. & Buragohain A.K.	Biocompatibility and antioxidant activity of polypyrrole nanotubes	Synthetic Metals Elsevier	A, B, C, E, P	189	119-125	3-2014	2.244	1
18	Barua, S. & Dutta, N & Karmakar, S & Chattopadhyay, P & Aidew, L & Buragohain, A.K. & Karak, N. ^c	Biocompatible high performance hyperbranched epoxy/clay nanocomposite as an implantable material	Biomed. Mater IOP Science	A, B, C, E, P	9	1-14	4- 2014	3.697	8
19	Barua, S & Thakur, S & Aidew, L & Buragohain, A.K & Chattopadhyay, P & Karak, N. ^c	One step preparation of a biocompatible, antimicrobial reduced graphene oxide–silver nanohybrid as a topical antimicrobial agent	RSC Adv RCS Publishing	A, B, C, E, P	4	9777 - 9783	2014	3.84	12
20	Saikia N & Jha, A N & Deka, R.C ^c	Molecular dynamics study on graphene-mediated pyrazinamide drug delivery onto the pncA protein.	RSC Advances, Royal Society of Chemistry	A, C, P	4-47	2494 4- 2495 4	5-2015	3.84	-
21	Gupta, K & Barua, S & Hazarika, SN & Manhar, AK & Nath, D & Karak, N & Namsa, ND &	Green silver Nanoparticles: Enhanced Antimicrobial and Antibiofilm Activity with Effect on DNA Replication and Cell Cytotoxicity	RSC Advances	A, B, C, E, P	4	5284 5- 5285 5	10-2014	3.84	5

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	Mukhopadhyay, R & Kalia VC, & Mandal, M ^C								
22	Hang, S & Purdy, A.E. & Robins, W.P & Wang, Z. & Mandal, M. & Chang, S. & Mekalanos, J.J. & Watnic ^C	The acetate switch of an intestinal pathogen disrupts host insulin signaling and lipid metabolism	Cell Host and Microbe, Cell Press	A, B,C ,D	16 (5)	599	12.11.2014	12.6	-
23	Das Purkayastha, M, & Manhar, A.K, & Mandal, M & Mahanta ^C , C. L.	Industrial Waste-Derived Nanoparticles and Microspheres Can Be Potent Antimicrobial and Functional Ingredients	Journal of Applied Chemistry, Hindawi Publishing Corporation	A, B,C ,D	12	1714-27	2014/9/17	2.49	-
24	Gupta, K. & Hazarika, S.N. & Saikia, D. & Namsa, N.D. & Mandal ^C , M.	One step green synthesis and anti-microbial and anti-biofilm properties of Psidiumguajava L. leaf extract-mediated silver nanoparticles	Materials Letters,North-Holland	A, B,C ,D	125	67-70	2014/6/15	2.48	-
25	Das Purkayastha, M. & Manhar, A.K. & Das, V.K. & Thakur, A.J. & Mahanta ^C , C.L	Antioxidative, Hemocompatible, Fluorescent Carbon Nanodots from an “End-of-Pipe” Agricultural Waste: Exploring Its New Horizon in the Food-Packaging Domain	Journal of agricultural and food chemistry, ACS publication	A, B,C ,D	62 (20)	4509 - 4520	2014/5/9	2.9	-
26	Hazarika, A. & Mandal, M. & Maji ^C , T.K	Dynamic mechanical analysis, biodegradability and thermal stability of wood polymer nanocomposites	Composites Part B: Engineering,Elsevier	A, B,C ,D	60	568-576	2014/4/30	3.24	-
27	Konwarh, R. & Shail, M. & Medhi, T. & Mandal, M. & Karak ^C , N.	Sonication assisted assemblage of exotic polymer supported nanostructured bio-hybrid system and prospective application	Ultrasonicsonochemistry, Elsevier	A, B,C ,D	21	634-642	2014/3/31	4.3	-
28	Qureshi, A & Itankar, Y. & Ojha, R & Mandal, M &	Genome sequence of Lactobacillus plantarum EGD-AQ4, isolated from fermented product of Northeast India	Genome announcements, American Society for	A, B,C ,D	2	e01122-13	2014/2/27	-	-

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	Khardenavis, A & Kapley, A		Microbiology						
29	Boruah, M. & Gogoi, P. & Manhar, A.K. & Khannam, M & Mandal, M. & Dolui ^C , S.K	Biocompatible carboxymethylcellulose-g-poly (acrylic acid)/OMMT nanocomposite hydrogel for in vitro release of vitamin B 12	RSC Advances, Royal Society of Chemistry	A, B,C ,D	4 (83)	4386 5-4387 3	2014	3.8	-
30	Iman, M & Manhar, AK & Mandal, M & MajiTK ^C	Preparation and characterization of zinc oxide and nanoclay reinforced crosslinked starch/jute green nanocomposites	RSC Advances, Royal Society of Chemistry	A, B,C ,D	4 (64)	3382 6-3383 9	2014	3.8	-
31	Das, B & Chattopadhyay, P & Upadhyay Gupta, A K & Mandal, M & Karak ^C N	Biophysico-chemical interfacial attributes of Fe ₃ O ₄ decorated MWCNT nanohybrid/bio-based hyperbranched polyurethane nanocomposite: an antibacterial wound healing material with controlled drug release potential	New Journal of Chemistry, Royal Society of Chemistry	A, B,C ,D	38 (9)	4300 - 4311	2014	3.08	-
32	Mandal, T & Satish Kumar, MV & Maiti, PK ^C	DNA assisted self-assembly of PAMAM dendrimers	Journal of Physical Chemistry B ACS Publications	A	118 (40),	1180 5-15,	Sep 26- 2014	3.302	-
33	Meher, BR & Satish Kumar, MV & Bandyopadhyay, P ^C	Inter-chain hydrophobic clustering promotes rigidity in HIV-1 protease flap dynamics: New insights from Molecular Dynamics	Journal of Biomolecular Structure & Dynamics	A	32, Issue 6,	899-915	June 2014	2.919	-
34	Thakur, R & Kumar, A & Bose, B & Panda, D & Saikia, D & Chattopadhyay, P & Mukherjee AK ^C	A new peptide (Ruviprase) purified from the venom of <i>Daboia russelii russelii</i> shows potent anticoagulant activity via non-enzymatic inhibition of thrombin and factor Xa	Biochimie Elsevier	A,B,C,E,P	105	149-158	10-2014	3.124	-
35	Mukherjee, AK ^C & Mackessy, S P	Pharmacological properties and pathophysiological significance of a	Toxicon Elsevier	A,B,C,E,P	89	55-66	10-2014	2.708	-

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		Kunitz-type protease inhibitor (Rusvikunin-II) and its protein complex (Rusvikunin complex) purified from <i>Daboia russelii russelii</i> venom							
36	Mukherjee, AK ^C & Dutta, S & Mackessy, SP	A new C-type lectin (RVsnaclec) purified from venom of <i>Daboia russelii russelii</i> shows anticoagulant activity via inhibition of FXa and concentration-dependent differential response to platelets in a Ca ²⁺ -independent manner	Thrombosis Research Elsevier	A,B,C,E,P	134	1150 - 1156	9-2014	2.455	-
37	Mukherjee, AK ^C & Kalita, B & Thakur, R	Two acidic, anticoagulant PLA ₂ isoenzymes purified from the venom of monocled cobra <i>Naja kaouthia</i> exhibit different potency to inhibit thrombin and factor Xa via phospholipids independent, non-enzymatic mechanism	PLoS One Public Library of Science (PLOS)	A,B,C,E,P	9(8)	e86823	8-2014	3.234	-
38	Majumdar, S & Sarmah, B & Gogoi, D & Banerjee, S & Ghosh, SS & Banerjee, S & Chattopadhyay, P & Mukherjee, AK ^C	Characterization, mechanism of anticoagulant action, and assessment of therapeutic potential of a fibrinolytic serine protease (Brevithrombolase) purified from <i>Brevibacillus brevis</i> strain FF02B	Biochimie Elsevier	A,B,C,E,P	103	50-60	8-2014	3.124	-
39	Mukherjee, AK ^C & Mackessy, SP & Dutta, S	Characterization of a Kunitz-type protease inhibitor peptide (Rusvikunin) purified from <i>Daboia russelii russelii</i> venom	International Journal of Biological Macromolecules Elsevier	A,B,C,E,P	67	154-162	6-2014	3.016	-
40	Mukherjee, AK ^C	A major phospholipase A ₂ from <i>Daboia russelii russelii</i> venom shows potent anticoagulant action via thrombin inhibition and binding with plasma phospholipids	Biochimie Elsevier	A,B,C,E,P	99	153-161	4-2014	3.124	-

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41	Bordoloi, NK & Rai, SK & Chaudhuri, MK ^C & Mukherjee, AK ^C	Deep-desulfurization of dibenzothiophene and its derivatives present in diesel oil by a newly isolated bacterium <i>Achromobacter</i> sp. to reduce the environmental pollution from fossil fuel combustion	Fuel Processing Technology Elsevier	A,B,C,E,P	119	236-244	3-2014	4.031	-
42	Mukherjee, AK ^C	The pro-coagulant fibrinogenolytic serine protease isoenzymes from <i>Daboia russelii russelii</i> venom coagulate the blood through factor V activation: Role of glycosylation on enzymatic activity	PLoS One Public Library of Science (PLOS)	A,B,C,E,P	9(2)	e86823	2-2014	3.234	-
43	Mukherjee, AK ^C & Chatterjee, S & Majumdar, S & Saikia, D & Thakur, R & Chatterjee, A	Characterization of a pro-angiogenic, novel peptide from Russell's viper (<i>Daboia russelii russelii</i>) venom	Toxicon Elsevier	A,B,C,E,P	77	26-31	1-2014	2.708	-
44	Konwarh, R ^C & Shail, M & Medhi, T & Mandal, M & Karak, N	Sonication assisted assemblage of exotic polymer supported nanostructured bio hybrid system and prospective application	Journal: Ultrasonics Sonochemistry Publishers: Elsevier	A,B,C,E,P	21-2	634-642	2014	4.321	1
45	Ghosh, N & Ghosh, R & Bhat, ZA & Mandal, V & Bachar, SC & Namsa, ND & Sunday, OO & Mandal, SC ^C	Advances in herbal medicine for treatment of Ischemic brain injury.	Natural Product Communication Natural Product, Inc. Westerville, USA	A, B & E	9 (7)	1045 - 1055	July-2014	0.906	6
46	Kalita, E ^C & Nath, BK & Agan, F & More, V, & Deb, P	Isolation and characterization of crystalline, autofluorescent, cellulose nanocrystals from saw dust wastes	Industrial Crops and Products	A, B, E, P	65	550-555	11-2014	2.837	-
47	Saikia, K ^C & Deb, P & Mondal, B, & Kalita, E	Significant improvement in dopant emission and lifetime in water soluble Cu: ZnSe/ZnS nanocrystals	Materials Research Express	E, P	1	015014	1-2014	-	-
48	Ray, S. K ^C & Kalita,	Impact of M Sc Biotechnology	Current Science	A, B, P	107	938-	2014	0.833	-

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	E.	programme supported by DBT on research and teaching of modern biology in India				939			
49	Mahanta, A & Kakati, S & Baruah, S	The association of IL8-251-T/A polymorph ism in complicated malaria in Karbi Anglong District of Assam	Journal: Cytokine Publisher: Elsevier	A,B,C,E,P	65-2	21-216	2014	2.664	3
50	Mahanta, A & Kar, SK & Kakati, S & Baruah, S	Hightened inflammation in severe malaria is associated with decreased IL10 expression levels and neutrophils.	Journal: Innate Immunity Publisher: Karger	P	21-5	546-52	2014	3.271	1
51	Dutta, A & Saikia, N & Phookan, J & Baruah, MN & Baruah, S	Association of killer immunoglobulin like receptor gene 2DL1 and its HLA-C2 ligand with family history of cancer in oral squamous cell carcinoma	Journal: Immunogenetics Publisher: Springer	A,B,C	66 (7-8)	439-448	2014	2.227	2
52	Banik, N & Ramteke, A & Maji, T K	Carboxymethyl chitosan-Montmorillonite Nanoparticles for Controlled Delivery of Isoniazid: Evaluation of the Effect of the Glutaraldehyde and Montmorillonite	Polymers for Advanced Technologies	A, B, C, P	25	1580 - 1589	2014	2.007	-
53	Saikia, C & Hussain, A & Ramteke, A & Sharma, H K & Maji, T K	Carboxymethyl starch-Chitosan coated iron oxide magnetic nanoparticles for controlled delivery of isoniazid	Journal of Microencapsulation	A, C, P	-		2014	1.585	02
54	Saikia, C & Hussain, A & Ramteke, A & Sharma, H K & Maji, T K	Crosslinked Thiolated Starch (TS) coated Fe ₃ O ₄ magnetic nanoparticles: Effect of MMT and crosslinking density on controlled drug delivery properties.	Starch	A, B, C, P	45,57		2014	1.677	01
55	Sarma, R & Das, Q & Hussain, A & Ramtake, A & Mohanta, D & Choudhury, A J	Physical and biophysical assessment of highly fluorescent, magnetic quantum dots of wurtzite-phase manganese selenide system.	Nanotechnology	C, P	25,27		2014	3.821	03

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56	Deep, G & Jain, A K & Ramteke, A & Ting, H & Vijendra, K CD & Gangar, S C & Agarwal, C & Agarwal R	SNAI1 is critical for the aggressiveness of prostate cancer cells with low E-cadherin.	Molecular Cancer	A, B, C, P	13,37		2014	4.257	09
(2013)									
1	Das, D & Nanjaraj Urs, N & Hiremath, V & Sannanaik, B Vishwanath & Doley, R ^C .	Biochemical and Biological Characterization of Naja kaouthia venom from North-East India and its Neutralization by Polyvalent antivenom	Journal of Venom Research <i>Springer</i>	A, B,C ,D, P	4	31-8	11-2013	-	-
2	Barman, A & Kumar, P & Kumar, V & Doley, R & Ray, S K ^C	Heat shock at 37°C with plasmid ligated at 37°C yields more number of Escherichia coli transformants than plasmid ligated at 16°C: a possible role of ligated plasmid conformation during heat shock	Current Science <i>Current Science Association</i>	A, B,C ,D, P	104-06		3-2013	0.833	-
3	Kumar R & Barman A & Jha G & Ray SK ^C	Identification and establishment of genomic identity of <i>Ralstonia solanacearum</i> isolated from a wilted chilli plant at Tezpur, North East India.	Current Science	C, E, P	105	1571 - 1578	12-2013	0.935	-
5	Khanppnavar, B ^C & Baruah, S & Ray, SK	TALE: an emerging tool for genome editing and genetic engineering.	Current Science	C, E, P	104	576-578	3-2013	0.935	-
6	Bharali, P & Saikia JP ^C & Paul, S & Konwar, BK	Colloidal silver nanoparticles/rhamnolipid (SNPRL) composite as novel chemotactic antibacterial agent	International journal of biological macromolecules, Elsevier	A,B,C,E,P	61	238-242	10-2013	2.858	-
7	Singh, S & Saikia, JP & Buragohain, AK ^C	A novel reusable PAni-PVA-Amylase film: Activity and analysis	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	106	46-50	6-2013	4.152	-
8	Saikia, JP ^C & Bharali, P & Konwar, BK	Possible protection of silver nanoparticles against salt by using	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	104	330-332	4-2013	4.152	-

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		rhamnolipid							
9	Bharali, P & Saikia, JP ^C & Ray, A & Konwar, BK	Rhamnolipid (RL) from Pseudomonas aeruginosa OBP1: A novel chemotaxis and antibacterial agent	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	103	502-509	3-2013	4.152	-
10	Saikia, JP ^C	Hair waving natural product: Dillenia indica seed sap	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	102	905-907	2-2013	4.152	-
11	Saikia, JP ^C & Konwarh, R & Konwar, BK & Karak, N	Isolation and immobilization of Aroid polyphenol on magnetic nanoparticles: Enhancement of potency on surface immobilization	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	102	450-456	2-2013	4.152	-
12	Gogoi, K & Saikia, JP ^C & Konwar, BK	Immobilizing silver nanoparticles (SNP) on Musa balbisiana cellulose	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	102	136-138	2-2013	4.152	-
13	Singh, S & Saikia, JP ^C & Buragohain, AK	A novel 'green'synthesis of colloidal silver nanoparticles (SNP) using Dillenia indica fruit extract	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	102	83-85	2-2013	4.152	-
14	Ponnam, SP & Ramesha, K & Matalia, J & Tejwani, S & Ramamurthy, B & Kannabiran, C ^C	Mutational screening of Indian families with hereditary congenital cataract	Molecular Vision	A, B,C ,D, P	19	1141-8	5-2013	2.245	-
15	Gurung, L. & Tanti,B. ^C & Buragohain, A.K. & Boorah, S.P.	Freshwater diatom diversity in DeeporBeel- a Ramsarsite	J. Res. Plant. Sci Science and Education Publishing	C, P	2 (2)	182-191	5-2013	-	-
16	Barua, S. & Das, G. & Aidew, L. & Buragohain, A.K. & Karak,N. ^C	Copper/copper oxide coated nanofibrillar cellulose-a promising biomaterial	RSC Adv. RSC Publishing	A, B, C, E, P	3	14997-004		3.84	14
17	Buragohain, A.K. ^C & Tanti, B. & Sarma, H.K. & Barman, P. & Das, K.	Characterization of yeast starter cultures used in household alcoholic beverage preparation by a few ethnic communities of Northeast India.	Annals of Microbiology Springer	A, B, E, P	63(3)	863-869	9-2013	0.990	1
18	Tanti, B. &	Biodegradation of Petroleum Tar by	Bioremediation Journal	A, B,C, E,	17(2)	107-	5-2013	0.5	-

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	Buragohain,A.K. ^c	Pseudomonas spp. from Oil Field of Assam, India	Taylor and Francis	P		112			
19	Das, G & Kalita, R.D. & Buragohain, A. K. & Karak,N. ^c	Biodegradation, cytocompatibility and performance studies of vegetable oil based hyperbranched polyurethane modified biocompatible sulfonated epoxy resin/clay nanocomposites	Progress in Organic Coatings Elsevier	A, B, C, E, P	76,	1103 - 1111	7-2013	2.6	-
20	Upadhyay, J. & Gogoi, B. & Kumar, A. ^c & Buragohain,A.K.	Diameter dependent antioxidant property of polypyrrole nanotubes for biomedical applications	Materials Letters Elsevier	A, B, C,E, P	102/103	33-35	7- 2013	2.466	4
21	Shekhar, S. & Agrawal, L. & Buragohain, A.K. & Datta, A. & Chakraborty, S. & Chakraborty,N. ^c	Genotype Independent Regeneration and Agrobacterium-mediated Genetic Transformation of Sweet Potato (<i>Ipomoea batatas</i> L.)	Plant Tissue Cult. & Biotech.	P	23(1)	87-100	6-2013	-	-
22	Kalita, R.D & Nath, Y & Emeje, M. & Buragohain,A.K. ^c	Extraction and Characterization of Microcrystalline Cellulose from fodder grass; <i>Setariaglauca</i> (L) P. Beauv, and its potential as a drug delivery vehicle for isoniazid, a first line antituberculosis drug	Collids and Surfaces B: Biointerfaces Elsevier	A, B, C, E, P	108	85-89	8-2013	4.4	5
23	Roy, S. & Barua, S & Buragohain, A.K. & Ahmed,G.A. ^c	Study of ZnO nanoparticle: Antibacterial property and light depolarization property using light scattering tool	Journal of Quantitative Spectroscopy and Radiative Transfer Elsevier	A, C, E, P	118	8-13	3-2013	2.768	-
24	Pramanik, S. & Konwarh, R & Deka, R.C. & Aidew, L. & Barua, N & Buragohain, A.K. & Mohanta, D. &	Microwave-assisted poly(glycidyl methacrylate)-3 functionalized multiwall carbon nanotubes 4 with a tendrillarnanofibrouspolyaniline wrapping and their interaction at bio-interface	Carbon Elsevier	A, B,C, E, P	55	34-43	4-2013	6.890	7

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	Karak,N. ^c								
25	Saikia, N & Jha, A N & Deka, R C ^c .	Dynamics of Fullerene-Mediated Heat-Driven Release of Drug Molecules from Carbon Nanotubes.	The Journal of Physical Chemistry Letters ACS Publications	C, P	4-23	4126-4132	11-2013	7.46	4
26	Saikia N & Jha, A N & Deka, R C ^c	Interaction of pyrazinamide drug functionalized carbon and boron nitride nanotubes with pncA protein: a molecular dynamics and density functional approach.	RSC Advances, Royal Society of Chemistry	A, C, P	3-35	15102-15107	6-2013	3.84	4
27	Mukhopadhyay, R ^C	Mouse Models of Atherosclerosis: Critical Roles of Lipid Metabolism and Inflammation	<i>J. Appl. Genetics</i>	A, B, C, E, P	54	185-192	01-2013	1.90	10
28	Mundkur, L ^C & Mukhopadhyay, R & Deshpande, V & Samson, S & Tarate, S & Varma, M & Shivaprasad, S & Lu, X & Kakkar, VV	Comparison of Oral tolerance to ApoB and HSP60 Peptides in preventing atherosclerosis lesion formation in Apobtm2SgyLdlrtm1Her/J Mice	<i>Journal of Vaccines</i>	C,P	2013	1-13	02-2013	--	2
29	Mundkur, L & Mukhopadhyay, R & Samson, S & Varma, M & Kale, D & Chen, D & Sneha, TS & Sivanandan, H & Soman, V & Lu, X, & Kakkar, VV.	Mucosal Tolerance to a Combination of ApoB and HSP60 Peptides Controls Plaque Progression and Stabilizes Vulnerable Plaque in <i>Apob^{tm2Sgy}Ldlr^{tm1Her}/J</i> Mice	PLoS One	A, B, C, E, P	8	e58364	03-2013	3.23	11
30	De, B & Gupta, K & Mandal, M&Karak ^C ,N	Biodegradable hyperbranched epoxy from castor oil-based hyperbranched polyester polyol	ACS Sustainable Chemistry & Engineering, ACS Publication	A, B,C ,D	2 (3)	445-453	2013/11/14	4.6	-
31	Das Purkayastha, M &	Removing antinutrients from rapeseed	Journal of agricultural	A, B,C ,D	61-45	1074	2013/11	2.9	-

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	Manhar, AK & Deka, D & Mandal, M&Mahanta ^C CL	press-cake and their benevolent role in waste cooking oil-derived biodiesel: conjoining the valorization of two disparate industrial wastes	and food chemistry,American Chemical Society			6-10756	/1		
32	Arifullah, M & Namsa ^C , ND& Mandal, M & Chiruvella, Vikrama, KK P&GopalGR	Evaluation of anti-bacterial and anti-oxidant potential of andrographolide and echiodinin isolated from callus culture of AndrographispaniculataNees	Asian Pacific journal of tropical biomedicine ,Elsevier	A, B,C ,D	3 (8)	604-610	2013/8/31	0.5	-
33	Barua, S & Konwarh, R & Bhattacharya, SS & Das, P Devi, KSPMaiti & TKMandal & M, Karak ^C N	Non-hazardous anticancerous and antibacterial colloidal 'green'silver nanoparticles	Colloids and Surfaces B: Biointerfaces, Elsevier	A, B,C ,D	105	37-42	2013/5/1	4.1	-
34	Barua, S & Konwarh, R & Mandal, M & GopalakrishnanR & Kumar, D & Karak ^C N	Biomimetically prepared antibacterial, free radical scavenging poly (ethylene glycol) supported silver nanoparticles as Aedesalbopictuslarvicide	Advanced Science, Engineering and Medicine	A, B,C ,D	5 (4)	291-298	2013/4/1	0.86	-
35	Das, B & Konwar, U & Mandal, M & Karak ^C N	Sunflower oil based biodegradable hyperbranched polyurethane as a thin film material	Industrial Crops and Products,Elsevier	A, B,C ,D	44,	396-404	2013	3.0	-
36	Das, B & Chattopadhyay, P & Mandal, M & Voit, B & Karak ^C N	Bio-based Biodegradable and Biocompatible Hyperbranched Polyurethane: A Scaffold for Tissue Engineering	Macromolecular bioscience. Wiley	A, B,C ,D	13 (1)	126-139	2013/1/1	3.6	-
37	Saikia,D & Majumdar, & Mukherjee, AK ^C	Mechanism of in vivo anticoagulant and haemolytic activity by a neutral phospholipase A ₂ purified from Daboia russelii russelii venom: Correlation with clinical manifestations in Russell's Viper envenomed patients	Toxicon Elsevier	A,B,C,E,P	76	291-300	12-2013	2.708	-

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38	Mukherjee, AK ^c & Mackessy, SP	Biochemical and pharmacological properties of a new thrombin-like serine protease (Russelobin) from the venom of Russell's Viper (<i>Daboia russelii russelii</i>) and assessment of its therapeutic potential	Bichimica et Biophysica Acta –General Subjects Elsevier	A,B,C,E,P	1830	3476 - 3488	6-2013	3.881	-
39	Roy, JK, & Mukherjee, AK ^c	Applications of a high maltos forming, thermo-stable α - amylase from an extremely alkalophilic <i>Bacillus licheniformis</i> strain AS08E in food and Laundry detergent industries	Biochemical Engineering Journal Elsevier	A,B,C,E,P	77	220-230	6-2013	2.989	-
40	Roy, JK & Borah, A & Mahanta, CL, & Mukherjee, AK ^c	Cloning and overexpression of raw starch digesting α -amylase gene from <i>Bacillus subtilis</i> strain AS01a in <i>Escherichia coli</i> and application of the purified recombinant α -amylase (AmyBS-I) in raw starch digestion and baking industry	Molecular. Catalysis B: Enzymatic Elsevier	A,B,C,E,P	97	118-129	5-2013	2.622	-
41	Das,S ^c &Thakur,AJ ^c &Medhi,T&Das,B	An efficient stereo-controlled synthesis of bis-pyrimido-[4, 5-d]-pyrimidine derivatives via aza-Diels-Alder methodology and their preliminary bioactivity	Journal: RSC Advances Publishers:RSC Publishing	A,B,C,P	3	3407 - 3413	2013	3.84	5
42	Arifullah, M ^c & Namsa, ND & Mandal, M & Chiruvella, KK & Vikrama, P & Gopal, GR	Evaluation of anti-bacterial and anti-oxidant potential of andrographolide and echiodinin isolated from callus culture of <i>Andrographis paniculata</i> Nees	Asian Pacific Journal of Tropical Biomedicine Elsevier	p	3 (8)	604-610	August-2013	1.414	8
43	Saikia, K ^c & Deb, P, & Kalita, E	Sensitive fluorescence response of ZnSe (S) quantum dots: an efficient fluorescence probe	Physica Scripta	A, B, P	87	065802	5-2013	1.126	5
44	Saikia, K ^c & Deb, P & Kalita, E	Facile synthesis of highly luminescent ZnSe (S) alloyed quantum dot for	Current Applied Physics	A, B, E, P	13	925-930	1-2013	2.212	10

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		biomedical imaging							
45	Sawian CE & Lourembam, Banerjee A & Baruah S.	Polymorphism and expression of TLR4 and 9 in malaria in two ethnic populations of Assam, Northeast India	Journal: Innate Immunity Publisher: Karger	A,B,C,E,P	19-2	174-183	2013	2.459	6
46	Lourembam SD & Sawian, Baruah S	Dysregulation of cytokines expression in complicated falciparum malaria with increase TGF- β and IFN- γ decreased IL-2 and IL-12	Journal: Cytokine Publisher: Elsevier	A,B,C,P	64-2	503-508	2013	2.874	2
47	Dutta, A & Lourembam, SD & Pradhan, S&Baruah, S	KIR Diversity in three ethnic populations of Assam, Northeast-India	Journal: Tissue Antigens Publisher: John Wiley	A,B,C,E	82-1	48-52	2013	2.35	2
48	Ramteke, A & Ting, H & Agarwal, C & Mateen, S & Somasagaral, R & Hussain, A & Graner, M & Frederick, B & Agarwal, R & Deep, G	Exosomes Secreted under Hypoxia Enhance Invasiveness and Stemness of Prostate Cancer Cells by Targeting Adherens Junction Molecules.	Molecular Carcinogenesis	A, B, C, P			2013	4.808	10
49	Banik, N & Iman, M & Hussain, A & Ramteke, A & Boruah, R & Maji, T K	Soy flour Nanoparticles for Controlled Drug Delivery: Effect of Crosslinker and Montmorillonite (MMT).	New Journal of Chemistry	A, B, C, P	37	3981—3990	2013	3.086	03
50	Singh, S P & Gogoi, B & Ramteke, A & Konwar, B K	Homology modelling and molecular docking studies of nitric oxide synthase (inducible) of <i>Gallus gallus</i> .	Journal of Pharmacy Research	C, P	7,5	443-447	2013	2.89	-
51	Hussain, A & Zaman, M K & Ramteke, A	Preliminary Phytochemical Screening and Proximate Analysis of the trunk bark of <i>Alstonia scholaris</i> (L.) R.Br.	Journal of Pharmacognosy and Phytochemistry	C, P	1,5	14-18	2013	1.341	01
52	Hussain, A & Gogoi, B & Ramteke, A	Protective effects of <i>Alstonia scholaris</i> (L.) R.Br. Bark Extract against oxidative stress induced by Hydrogen Peroxide.	Pharmacognosy Communication		3,1	16-20	2013	1.256	-

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(2012)									
1	Saha, S&Wang, J& Buckley, B&Wang, Q& Lilly, B&Chernov, M&Kashina ^C , A.	Small molecule inhibitors of arginyltransferase regulate arginylation-dependent protein degradation, cell motility, and angiogenesis.	Biochemical Pharmacology Elsevier	A, B,C ,D, P	83-7	866-873	4-2012	5.009	-
2	Zhang, F&Saha, S&Kashina ^C , A.	Arginylation-dependent regulation of a proteolytic product of talin is essential for cell-cell adhesion.	The Journal of Cell Biology The Rockefeller University Press	A, B,C ,D, P	197-6	819-836	6-2012	9.688	-
3	Kurosaka, S&Leu, NA& Pavlov, I& Han, X& Ribeiro, PA& Xu, T&Bunte, R&Saha, S& Wang, J&Cornachione, A& Mai, W& Yates, JR 3rd&Rassier, DE&Kashina ^C , A	Arginylation regulates myofibrils to maintain heart function and prevent dilated cardiomyopathy.	Journal of Molecular and Cellular Cardiology Elsevier	A, B,C ,D, P	53-3	333-341	9-2015	4.655	-
4	Satapathy, SS & Dutta, M & Buragohain, AK & Ray, SK ^C	Transfer RNA gene numbers may not be completely responsible for the codon usage bias in asparagine, isoleucine, phenylalanine, and tyrosine in the high expression genes in bacteria.	Journal of Molecular Evolution	C, E, P	75	34-42	10-2012	2.274	-
5	Pal, D & Dasgupta, S & Kundu, R & Maitra, S & Das, G & Mukhopadhyay, S & Ray, S & Majumder, SS &Bhattacharya, S ^C	Fetuin-A acts as an endogenous ligand of TLR4 to promote lipid-induced insulin resistance.	Nature Medicine	A, B,C, E	18, 8	1279 - 1285	8, 2012	28.054	-
6	Seal, S & Chatterjee, P & Bhattacharya, S &	Vapor of volatile oils from <i>Litsea cubeba</i> seed induces apoptosis and	PLOS ONE	A, B,C, E	7, 10	e470 14	10, 2012	3.234	-

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	Pal, D & Dasgupta, S & Kundu, R & Mukherjee, S & Bhattacharya, S & Bhuyan, M & Bhattacharyya, PR & Baishya, G & Barua, NC & Baruah, PK & Rao, PG & Bhattacharya, S ^c	causes cell cycle arrest in lung cancer cells.							
7	Saikia, JP ^c & Konwar, BK	Physicochemical Properties of Starch from Aroids of North East India	International Journal of Food Properties, Taylor & Francis Group	A,B,C,E,P	15	1247 - 1261	11-2012	0.915	-
8	Phukon, P & Saikia, JP ^c & Konwar, BK ^c	Bio-plastic (P-3HB-co-3HV) from Bacillus circulans (MTCC 8167) and its biodegradation	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	92	30-34	4-2012	4.152	-
9	Somaraju Chalasani, ML & Muppirala, M & G Ponnamm, SP & Kannabiran, C & Swarup, G ^c	A cataract-causing connexin 50 mutant is mislocalized to the ER due to loss of the fourth transmembrane domain and cytoplasmic domain	FEBS Open Bio, Elsevier	A,B,C ,D, P	3	22-29	11-2012	1	-
10	Emeje,M. ^c & Kalita, R. & Isimi, C. & Buragohain, A. & Kunle, O.&Ofoefule, S.	Synthesis, physicochemical characterization, and functional properties of an esterified starch from an underutilized source in Nigeria	African Journal of Food, Agriculture, Nutrition and Development African Scholarly Science Communications Trust	C, P	12(7)	7001	9-2012	-	2
11	Barua, N. & Sarmah, P. & Hussain, I. & Deka, R.C. ^c &Buragohain, A.K.	DFT-based QSAR Models to Predict the Antimycobacterial Activity of Chalcones	Chemical Biology & DrugDesign Wiley Blackwell	A, B, C, P	79 (4):	553-559.	4-2012	2.485	6

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12	Tanti, B. & Ray, S.K., &Buragohain, A.K. ^c	Differentiation of petroleum hydrocarbon degrading Pseudomonas spp. based on PCR-RFLP of the 16S-23S rDNA intergenic spacer region	Folia Microbiologica Springer	A, B, C, E, P	57 (1)	47-52	1-2012	1.0	3
13	Goswami, B. & Choudhury, A. ^c , Buragohain, A.K.	Luminescence properties of a nanoporous freshwater diatom	Luminescence Wiley Blackwell	A, B, C, P	27(1):	16-19	1-2012	1.518	2
14	Yao, P & Potdar, AA & Arif, A & Ray, PS & Mukhopadhyay, R & Willard, B & Xu, Y & Yan, J & Saidel, GM, & Fox, PL ^c	Coding Region Polyadenylation Generates a Truncated tRNA Synthetase that Counters Translational Repression	Cell	A, B, C, E, P	149	88-100	02-2012	33.12	39
15	Purkayastha, MD, Kalita, DMahnot, NK, Mahanta ^c , CL, Mandal, MChaudhuri, M. K,	Effect of l-ascorbic acid addition on the quality attributes of micro-filtered coconut water stored at 4° C	Innovative Food Science & Emerging Technologies, Elsevier	A, B, C, D	16	69-79	2012/10/31	3.6	-
16	Kalita, H, Mandal, M & Karak ^c , N	Biodegradable solvent-induced shape-memory hyperbranched polyurethane	Journal of Polymer Research, Springer Netherlands	A, B, C, D	19 (10)	1-8	2012/10/1	1.9	-
17	Deka, BK, Mandal, M Maji ^c , TK	Effect of nanoparticles on flammability, UV resistance, biodegradability, and chemical resistance of wood polymer nanocomposite	Industrial & Engineering Chemistry Research, ACS Publication	A, B, C, D	51 (37)	11881-11891	2012/9/5	2.5	-
18	Konwar, UKarak, N & Mandal M	Vegetable Oil Based Highly Branched Polyester/Multi-Walled Carbon Nanotubes Nanocomposites as Advanced Materials	Advanced Science Letters	A, B, C, D	16 (1)	265-273	2012/9/1	1.2	-
19	Deka, BK Mandal, M Maji TK	Plant fibre reinforced polymer blend/clay nanocomposite	Journal of Reinforced Plastics and Composites, SAGE Publications	A, B, C, D	31 (10)	657-669	2012/5/1	1.5	-

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20	Devi, RRMandal, M&Maji ^C TK	Physical properties of simul (red-silk cotton) wood (<i>Bombaxceiba</i> L.) chemically modified with styrene acrylonitrile co-polymer and nanoclay	Holzforchung,De Gruyter	A, B,C ,D	66 (3)	365-371	2012/3/1	2.3	-
21	Meher, BR, Satish Kumar, MV, Sharma, S, Bandhyopadhyay, P ^C	Conformational dynamics of HIV-1 Protease: A comparative molecular dynamics simulation study with multiple AMBER force fields	Journal of Bioinformatics and Computational Biology World Scientific Publishing Co. Pte Ltd.	A	10(6),	1250 018	2012	0.931	-
	Maingi, V, Satish Kumar, MV, Maiti, PK ^C	PAMAM Dendrimer-Drug Interactions: Effect of pH on the Binding and Release Pattern	Journal of Physical Chemistry B ACS Publications	A	116(14)	4370 - 4376	2012	3.302	-
22	Satish Kumar, MV, Maiti, PK ^C	Structure of DNA functionalized Dendrimer Nanoparticles	Soft Matter RSC	A	8(6),	1893 - 1900	2012	4.029	-
23	Yata, VK, Sen, K, Satish Kumar, MV, Ghosh, SS ^C	Interaction studies of E.coli Uracil Phosphoribosyltransferase with 5-fluoro uracil for potent anti-cancer activity	Journal of Medicinal Chemistry Research Springer	A	21(7)	1149 - 1155	2012	1.402	-
24	Saikia, D, Bordoloi, NK, Chattopadhyay, P, Chocklingam, S, Ghosh, SS & Mukherjee, AK ^C	Differential mode of attack on membrane phospholipids by an acidic phospholipase A ₂ (RVVA-PLA ₂ -I) from <i>Daboia russelli</i> venom	Bichimica et Biophysica Acta –Biomembrane Elsevier	A,B,C,E,P	12	3149 - 3157	12-2012	3.881	-
25	Mukherjee, AK ^C & Mackessy, SP	Russelobin, a non-toxic thrombin-like serine protease from the venom of Russell's viper (<i>Daboia russelli russelli</i>): Possible applications in cardiovascular drug development	Toxcion Elsevier	A,B,C,E,P	60	109-110	12-2012	2.708	-
26	Nair, RG, Roy, JK, Samdarshi, SK ^C & Mukherjee, AK	Mixed phase V doped titania shows high photoactivity for disinfection of <i>Escherichia coli</i> and detoxification of phenol	Solar Energy Materials and Solar Cells Elsevier	A,B,C,E,P	105	103-108	10-2012	5.755	-

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27	Mukherjee, AK ^C & Bordoloi, NK	Biodegradation of benzene, toluene and xylene (BTX) in liquid culture and in soil by <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> strains and a formulated bacterial consortium	Environmental Science and Pollution Research Springer	A,C,E,P	19	3380 – 3388	9-2012	2.828	-
28	Mukherjee, AK ^C	Green medicine as a harmonizing tool to antivenom therapy for the clinical management of snakebite: the road ahead	Indian Journal of Medical Research Indian Council of Medical Research	C,P	136	10-12	07-2012	1.396	-
29	Mukherjee, AK ^C , Rai, SK, Thakur, R, Chattopadhyay, P & Kar, S	Bafibrinase: A non-toxic, non-hemorrhagic, direct-acting fibrinolytic serine protease from <i>Bacillus sp.</i> strain AS- S20-I exhibits in vivo anticoagulant activity and thrombolytic potency	Biochimie Elsevier	A,B,C,E,P	94	1300 - 1308	6-2012	3.124	-
30	Das, G, Bordoloi, NK, Rai, SK, Mukherjee, AK & Karak, N ^C	Biodegradable and biocompatible epoxidized vegetable oil modified thermostable poly(vinyl chloride):Thermal and performance characteristics post biodegradation with <i>Pseudomonas aeruginosa</i> and <i>Achromobacter sp.</i>	Journal of Hazardous Materials Elsevier	A,B,C,E,P	209-210	434-442	3-2012	5.277	-
31	Das, G, Roy, JK, Mukherjee, AK & Karak, N ^C	<i>Mesua ferrea</i> L. seed oil modified sulfonate epoxy resin and multi-walled carbon nanotube nanocomposites and their biomedical and mechanical properties	Advanced Science Letters American Scientific Publishers	C,E,P	6	237-245	3-2012	-	-
32	Roy, JK, Rai, SK & Mukherjee, AK ^C	Characterization and application of a detergent-stable α -amylase from <i>Bacillus subtilis</i> AS-S01a	International Journal of Biological Macromolecules Elsevier	A,B,C,E,P	50	219-229	1-2012	3.016	-
33	Medhi,T&Kar, S &Goswami.P	Some properties of n-alkane monooxygenase from extracts of <i>Cladosporiumrasinae</i> .	Journal: International Journal of Applied and Natural Science	P	1-2	59-67	2012	2.9459	-

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			Publisher:						
34	Tag, H, Kalita, P, Dwivedi, P, Das, AK, Namsa, ND ^C	Herbal medicines used in the treatment of diabetes mellitus in Arunachal Himalaya, northeast, India.	Journal of Ethnopharmacology Elsevier	A & E	141(3)	786-795	June-2012	2.998	28
35	Sumpam, T, ND, Namsa ^C	Opium threat in the Eastern Himalayan zone of Arunachal Pradesh, North-east India.	Current Science Indian Academy of Sciences	E	102 (7)	957-958	April-2012	0.833	-
36	Jha, DK ^C , Deb, P, Kalita, E, Shameem, M, & Patel, AB	Synthesis and characterization of iron-rich Fe ₃ O ₄ ferrofluid for magnetic resonance imaging	Physica Scripta	A, B, P	85	035802	2-2012	1.126	6
37	Kalita, E ^C & Deb, P	Surface engineered biocompatible superparamagnetic iron oxide nanoparticles (SPIONs) as stable, colloidal dispersions for magnetic imaging applications	Journal of Assam Science Society	P	53	8-10	2012	-	-
38	Lourembam SD, Baruah S	Antibody response to allelic variants of 19kDa fragment of MSP 1: recognition of a variant and protection associated with ethnicity of Assam, India	Journal: Vaccine Publisher: Elsevier	A,B,C,E,P	30-4	767-773	2012	3.492	4
39	Banik N, Hussain A, Ramteke A, Sharma H, Maji T K	Preparation and evaluation of the effect of particle size on the properties of Chitosan-Montmorillonite nanoparticle loaded with Isoniazid.	RSC Advances	A, B, C, P	2	10519-10528	2012	3.84	8
40	Hussain A and Ramteke A	Flower Extract of <i>Nyctanthes arbor-tristis</i> Modulates the Glutathione level in Hydrogen Peroxide treated lymphocytes.	Pharmacognosy Research	C, P	4	230-233	2012	1.256	1
41	Hussain A, Saikia V, Ramteke A	Nitric Oxide and Modulatory Effects of the Root extract of <i>Phlogacanthus tubiflorus</i> against Oxidative Stress induced by Hydrogen Peroxide.	Free Radical and Antioxidant	C, P	2,1	8-11	2012	1.279	4
42	Ramteke A, Hussain	Oxidative Stress and Modulatory effects	Journal of Stress	C, P	8,1	5-15	2012	--	2

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	A, Kaundal S, Kumar G	of the root extract of <i>Phlogacanthus tubiflorus</i> on the activity of Glutathione-S-Transferase in Hydrogen Peroxide treated Lymphocyte.	Physiology & Biochemistry						
(2011)									
1	Vonk, FJ ^C , Jackson, K, Doley R, Madaras, F, Mirtschin, PJ & Vidal N	Snake venom: From fieldwork to the clinic: Recent insights into snake biology, together with new technology allowing high throughput screening of venom, bring new hope for drug discovery	BioEssays Wiley	A, B,C ,D, P	33(4)	269-279	1- 2011	2.781	-
2	Wang, J& Han, X&Saha, S& Xu, T& Rai, R& Zhang, F& Wolf, YI& Wolfson, A& Yates, JR 3rd&Kashina ^C , A. Chem Biol. 2011 Jan 28	Arginyltransferase is an ATP-independent self-regulating enzyme that forms distinct functional complexes in vivo.	Chemistry & Biology Cell Press (Elsevier)	A, B,C ,D, P	18-1	121-130	1-2011	6.645	-
3	Saha, S&Kashina ^C , A.	Posttranslational arginylation as a global biological regulator.	Developmental Biology Elsevier	A, B,C ,D, P	358-1	1-8	10-2011	3.547	-
4	Saha, S& Wong, CC& Xu, T&Namgoong, S&Zebroski, H& Yates, JR 3rd&Kashina ^C , A. Chem Biol. 2011 Nov 23;	Arginylation and methylation double up to regulate nuclear proteins and nuclear architecture in vivo.	Chemistry & Biology Cell Press (Elsevier)	A, B,C ,D, P	18-11	1369 - 1378	11-2011	6.645	-
5	Dasgupta, S, Bhattacharya, S, Maitra, S, Pal, D, Majumdar, SS, Datta,	Mechanism of lipid induced insulin resistance: Activated PKC α is a key regulator.	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease	A, B,C, E	1812, 4	495-506	4, 2011	4.882	-

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	A &Bhattacharya, S ^C		Elsevier						
6	Kundu, R Dasgupta, S, Biswas, A, Bhattacharya, S, Pal, BC, Bhattacharya, S, Rao, PG, Barua, NC, Bordoloi, M &Bhattacharya, S ^C	Carlinoside reduces hepatic bilirubin accumulation by stimulating bilirubin-UGT activity through Nrf2 gene expression.	Biochemical Pharmacology Elsevier	A, B,C, E	82, 9	1186 - 1197	11, 2011	5.009	-
7	Phukon P, Saikia JP & Konwar BK ^C	Enhancing the stability of colloidal silver nanoparticles using polyhydroxyalkanoates (PHA) from Bacillus circulans (MTCC 8167) isolated from crude oil contaminated soil	Colloids and Surfaces B: Biointerfaces, Elsevier	A,B,C,E,P	86-2	314-318	9-2011	4.152	-
8	Saikia JP ^C , Konwar BK, Kumar A	Physico-Chemical Analysis of Colocasia esculenta Starch	Journal of Root Crops, Indian Society for Root Crops	P	37-1	77-85	3-2011	-	-
9	Roy, S. ^C , Barua, N., Buragohain, A.K. & Ahmed G.A.	Light scattering study of ZnO nanoparticles for the application of its antibacterial property	Atti Accad. Pelorit. Pericol. Cl. Sci. Fis. Mat. Nat.	P	89(1)	5pages	2011	-	-
10	Roy, S. ^C , Mahanta, R., Barua, N., Buragohain, A.K. & Ahmed, G.A.	Monitoring of pathogen carrying air-borne tea dust particles by light scattering	Journal of Quantitative Spectroscopy and Radiative Transfer Elsevier	A, C, E, P	112 (11)	1784 - 1791	7-2011	2.768	2
11	Jha, A N & Vishveshwara, S. ^C & Banavar, J R.	Amino acid interaction preferences in helical membrane proteins.	Protein engineering design and selection, Oxford Journals	C, P	24-8	579-588	6-2011	2.854	17
12	Konwar, U, Mandal, MKarak ^{CN}	Mesuaferrea L. seed oil based acrylate-modified thermostable and biodegradable highly branched polyester resin/clay nanocomposites	Progress in Organic Coatings ,Elsevier	A, B,C ,D	72 (4)	676-685	2011/12 /31	2.3	-
13	Deka, BK, Maji ^C , TKMandalM	Study on properties of nanocomposites based on HDPE, LDPE, PP, PVC, wood	Polymer bulletin ,Springer-Verlag	A, B,C ,D	67 (9)	1875 -	2011/12 /1	1.4	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
		and clay				1892			
14	Namsa, NDTangjang, SArya, SC, Rajbonshi, BSamal, PKMandalM	An inventory of the ethnobotanicals used as anti-diabetic by a rural community of Dhemaji district of Assam, Northeast India	Journal of ethnopharmacology, Elsevier	A, B,C ,D	138 (2)	345-350	2011/11 /18	2.99	-
15	Namsa ^C , ND,Mandal, MTangjang, S &MandalSC	Ethnobotany of the Monpa ethnic group at Arunachal Pradesh, India	Journal of Ethnobiology and Ethnomedicine	A, B,C ,D	7 (1)	31	2011/10 /14	2.00	-
16	Konwarh, R, KarakC, NSawian, CE, Baruah, S&MandalM	Effect of sonication and aging on the templating attribute of starch for “green” silver nanoparticles and their interactions at bio-interface	Carbohydrate polymers, Elsevier	A, B,C ,D	83 (3)	1245 - 1252	2011/1/ 30	4.07	-
17	Namsa ^C , ND, Mandal, Tangjang,M S	Anti-malarial herbal remedies of northeast India, Assam: An ethnobotanical survey	Journal of ethnopharmacology, Elsevier	A, B,C ,D	133 (2)	565-572	2011/1/ 27	2.99	-
18	Swaminathan, R ^C , Ravi, VK, Satish Kumar, Satish Kumar, MV, Chandra,N	Lysozyme: A Model Protein for Amyloid Research.	In Advances in Protein Chemistry and Structural Biology Elsevier	A	84	63-111	2011	3.736	-
19	Mukherjee, AK ^C , Rai, SK & Bordoloi, NK	Biodegradation of waste chicken-feathers by an alkaline β -keratinase (Mukartinase) purified from a mutant <i>Brevibacillus</i> sp. strain AS-S10-II	International Biodeterioration and Biodegradation Elsevier	A,B,C,E,P	65	1229 - 1237	12-2011	2.377	-
20	Nair, RG, Roy, JK, Samdarshi, SK ^C & Mukherjee, AK	Enhanced visible light photocatalytic disinfection of gram negative, pathogenic <i>Escherichia coli</i> bacteria with Ag / TiVoxide nanoparticle	Colloids and Surface B: Biointerfaces Elsevier	A,B,C,E,P	86	7-13	8-2011	4.400	-
21	Saikia D, Thakur, R & Mukherjee, AK ^C	An acidic phospholipase A ₂ (RVVA-PLA ₂ -I) purified from <i>Daboia russelli</i> venom exerts its anticoagulant activity by enzymatic hydrolysis of plasma phospholipids and by non-enzymatic	Toxicon Elsevier	A,B,C,E,P	57	841-850	5-2011	2.708	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
		inhibition of factor Xa in a phospholipids/Ca ²⁺ independent manner							
22	Rai, SK ^C & Mukherjee, AK	Optimization of production of an oxidant and detergent-stable alkaline β -keratinase from <i>Brevibacillus</i> sp. strain AS-S10-II: application of enzyme in laundry detergent formulations and in leather industry	Biochemical Engineering Journal Elsevier	A,B,C,E,P	54	47-56	3-2011	2.989	-
23	Mukherjee AK ^C & Bordoloi, NK	Bioremediation and reclamation of soil contaminated with petroleum - oil hydrocarbons by exogenously seeded bacterial consortium: a pilot scale study	Journal Environmental Science and Pollution Research Springer	A,C,E,P	18	471-478	3-2011	2.828	-
24	Mukherjee AK ^C & Rai, SK	A statistical approach for the enhanced production of alkaline protease showing fibrinolytic activity from a newly isolated Gram-negative <i>Bacillus</i> sp. strain AS- S20-I	New Biotechnology Elsevier	A,B,C,E,P	28	182-189.	2-2011	2.744	-
25	Mukherjee, AK ^C , Saikia, D & Thakur, R	Medical and diagnostic application of snake venom proteomes	Journal of Proteins and Proteomics International Science Press	C,E,P	2(1)	31-40	1-2011	0.5	-
26	Namsa, ND ^C , Mandal, M, Tangjang, S, Mandal, SC	Ethnobotany of the Monpa ethnic group at Arunachal Pradesh, India	Journal of Ethnobiology and Ethnomedicine BioMed Central	A, C & E	7 (1)	31 (doi: 10.1186/1746-4269-7-31)	Oct 2011	2.0	38
27	Namsa, ND ^C , Mandal, M, Tangjang, S	Anti-malarial herbal remedies of northeast India, Assam: An	Journal of Ethnopharmacology	A & E	133 (2)	565-572	January-2011	2.998	18

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
		ethnobotanical survey							
28	Tangjang, S, Namsa, ND ^C , Aran, C, Litin, A	An ethnobotanical survey of medicinal plants in the Eastern Himalayan zone of Arunachal Pradesh, India	Journal of Ethnopharmacology Elsevier	A & E	134 (1)	18-25	March-2011	2.998	26
29	Namsa, ND ^C , Tangjang, S, Arya, SC, Rajbonshi, B, Samal, PK, Mandal, M	An inventory of the ethnobotanicals used as anti-diabetic by a rural community of Dhemaji district of Assam, Northeast India	Journal of Ethnopharmacology Elsevier	A & E	138 (2)	345-350	November-2011	2.998	15
30	Namsa, ND ^C , Tangjang, S	Natural pharmacopoeia used in traditional system of medicine for the treatment of diarrhoea in Arunachal Pradesh	Medicinal Plants- International Journal of Phytomedicines and Related Industries Society for Conservation and Resource Development of Medicinal Plants, India	C & E	3 (3)	191-201	September-2011	Nil	1
31	Chakraborty, S ^C , Gogoi, M, Kalita, E, & Deb, P	Multifunctional, high luminescent, biocompatible CdTe quantum dot fluorophores for bioimaging applications	International Journal of Nanoscience	C, E, P	10	1191 - 1195	2011	-	7
32	Deb, P ^C & Kalita, E	Development of biocompatible colloidal FePt nanoparticles for nanobiomedical applications using a green synthetic approach	Journal of Assam Science Society	P	52	7-9	12-2011	-	-
33	Konwar R, Karak N, Sawian CE, Baruah S, Mandal M	Effect of sonication and ageing on the templating attribute of starch for green silver nanoparticles and their interaction at biointerface	Journal: Carbohydrate polymers Publisher: Elsevier	A,B,C,E,P	83-3	1245 - 1252	2011	3.628	21
34	Kumar VB, Sawian CE, Mohanta D, Baruah S, Islam NS.	Physical and biophysical characteristics of nanoscale tungsten oxide particles and their Interaction with human genomic DNA	Journal: Journal of nanoscience and nanotechnology Publisher: American	A,B,C,E,P	11-6	4659	2011	1.563	5

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue	Page Nos.	Month-year	Impact Factor	Citation index
			Scientific						
35	Lourembam SD, Sawain CE, Baruah S.	Differential expression of KIR gene loci to Risk of malaria in ethnic groups of Assam, Northeast India	Journal: Infection, Genetics and Evolution Publisher: Elsevier	A,B,C,E,P	11-8	1921 - 1928	2011	3.128	5
36	Dogra D, Ahuja A, Krishnan S, Kohli S, Ramteke A, Atale N, Rani V	Phytochemical screening and antioxidant activity of aqueous extract of Indian Camellia sinensis,	Journal of Pharmacy Research	C, P	4,6	1833 -35	2011	2.89	-

Department: Physics

Publication Details
Peer Reviewed Journals

SN	Name of author (s)	Title	Details	National /International (I /N)	Impact factor (if any)	Cit. Index if any
(2015)						
1.	J. Upadhyay, A. Kumar, B. Gogoi and A.K. Buragohain	Antibacterial and hemolysis activity of polypyrrole nanotubes decorated with silver nanoparticles by an in-situ reduction process	Material science and engineering C Elsevier, http://dx.doi.org/10.1016/j.msec.2015.04.027	I	2.7	-
2.	A.K. Nath and A. Kumar	100 MeV Si ⁹⁺ swift heavy ion irradiation induced enhancement in electrochemical properties of electrolyte membrane composites based on ionic liquid-polymer-nanocomposite	J. Membrane Sci. Elsevier, DOI: 10.1016/j.memsci.2015.03.020	I	4.9	-
3.	N.M. Nath & J. K. Sarma	Q^2 evolution of $F_3(x, Q^2)$ structure function and Gross-Llewellyn-Smith sum rule up to next-next-to-leading order at low x and low Q^2 using a Q^2 dependent Regge ansatz,	Indian Journal of Physics, (2015, in press)	-	-	-
4.	M. Devi & J. K. Sarma	Analytical approach for the solution of nonlinear GLR-MQ equation,	Proc. of Indian Nat. Science Acad. 81 No. 1 January, special issue (2015)	I	-	-
5.	N. Baruah, J. K. Sarma and M.K. Das	Analysis of small x behaviour of Longitudinal and heavy flavour structure functions of Proton,	International Journal of Theoretical Physics, (2015, in press)	I	-	-
6.	R. Boruah, D.Mohanta, A.Choudhury,	Inverse surface plasmon resonance based effective hydrogen sensing using nanoscale palladium films,	Optical Materials, 39 (2015) 273-277.	I	1.918	-

	G.A.Ahmed,					
7.	S. Paul, P. Chetri, B. Choudhury, G. A. Ahmed, A. Choudhury,	Enhanced visible light photocatalytic activity of Gadolinium doped nanocrystalline titania: An experimental and theoretical study,	Journal of Colloid and Interface Science, 439 (2015) 54-61.	I	3.583	-
8.	R Sarma, G Deka, D Mohanta	Manifested luminescence and magnetic responses of stoichiometry dependent Cd _{1-x} Mn _x Se quantum dots.	Materials Research Bulletin 62, 71-79 (2015)	I	1.968	-
9.	M Borah, D Mohanta	Composite-Hydroxide-Mediated Formation of Barium Titanate Nanocubes and Their Optical Emission Response.	Chinese Journal of Physics 53 (1), 020804-1-11 (2015)	I	0.431	-
10.	M Devi, PP Dutta, D Mohanta	Analytical calculation of chain length in ferrofluids	Bulletin of Materials Science 38 (1), 221-226 (2015)	N	0.87	-
11.	M Devi, D Mohanta, A Saha	Comparative study of microscopic, spectroscopic and magneto-optic response of ferrofluids subjected to γ -radiation.	Indian Journal of Physics 89 (02), 115-121 (2015)	N	1.785	-
12.	R Sarma, D Mohanta	Luminescence and bioimaging response of thio-glycolic acid (TGA) and sodium dodecyl sulfate (SDS)-coated fluorescent cadmium selenide quantum dots.	Journal of Luminescence 161, 395-402 (2015)	I	2.367	-
13.	D. Paul, R. Biswas, N. S. Bhattacharya	Modal parameter analysis of crown and phosphate photonic crystal fibers	Indian Journal of Physics, 2015	I	1.8	-
14.	R. Biswas	Mapping Sediment Thickness in Shillong City of Northeast India through Empirical Relationship	Journal of Earthquakes, 2015	I	1	-
15.	R. Biswas	A Brief overview of site response estimation techniques	Book Chapter, Mistral Services, Italy, 2015	I	NA	
16.	R. Sarma, S. Tripathi, R. Misra,	Relationship between X-ray spectral index and X-ray Eddington ratio for	Mon. Not. Royal Astron. Soc., 2015, 448, 1541	I	>5	-

	G. Dewangan, A. Pathak, J. K. Sarma	Mrk 335 and Ark 364				
17.	T. Hussain, S. Muzahid, A. Narayanan, R. Srianand, B. P. Wakker, J. C. Charlton, A. Pathak	HST/COS detection of a Ne VIII absorber towards PG 1407+265: An unambiguous tracer of collisionally ionized hot gas?	Mon. Not. Royal Astron. Soc., 2015, 446, 2444	I	>5	-
18.	N.Chamuah, P.Nath,	“Periodic metal nanopillar for generation of enhanced localized surface Plasmon field”	Plasmonics (DOI 10.1007/s11468-015-9926-1).	I	-	-
19.	D. Borah, A. Dasgupta	Galactic Center Gamma Ray Excess in a Radiative Neutrino Mass Model	Physics Letters B741 (2015) 103-110	I	6.02	-
20.	R. Kalita, D. Borah	Connecting Leptonic CP Violation, Lightest Neutrino Mass and Baryon Asymmetry Through Type II Seesaw	International Journal of Modern Physics A30 (2015) 09, 1550045	I	1.09	-
21.	R. Kalita, D. Borah, M. K. Das	Corrections to Scaling Neutrino Mixing: Non-zero θ_{13} , δ_{CP} and Baryon Asymmetry	Nuclear Physics B894 (2015) 307-327	I	3.95	-
22.	N. Kumar, S. N. Hazarika, S. Limbu, R. Boruah, P. Deb, N. D. Namsa, S. K. Das	Hydrothermal synthesis of anatase titanium dioxide mesoporous microspheres and their antimicrobial activity	Microporous and Mesoporous Materials 2015 (DOI:10.1016/j.micromeso.2015.02.047)	I	3.4	-
23.	Santhosh A L, S. K Das, A J Bhattacharyya	Tungsten trioxide nanoparticle as new anode material for sodium-ion battery	J. Nanoscience and Nanotechnology (Accepted in May 2015)	I	1.399	-
24.	R. Sarmah, G. Ananthakrishna	Correlation between band propagation property and the nature of serrations in the Portevin–Le Chatelier effect	Acta Materialia, 91, 192-201 (2015)	I Elsevier	3.94	-
25.	R. Sarmah, G. Ananthakrishna	Dynamics of driven magneto-martensitic ribbon.	Commun. Nonlinear Sci. and Numer. Simulat. 19, 3880-3891 (2014)	I	2.83	-

26.	R. Sarmah, G. Ananthakrishna	Projecting Low and Extensive Dimensional Chaos from Spatio-temporal Dynamics.	The European Physical Journal Special Topics 222, 799-812 (2013)	I	1.7	-
27.	R. Sarmah, G. Ananthakrishna	Influence of system size on spatio-temporal dynamics of a Model for Plastic Instability: Projecting low-dimensional and extensive Chaos.	Phys. Rev. E, 87, 052907 (2013)	I	2.313	-
28.	R. Sarmah, G. Ananthakrishna	A unified model for the dynamics of driven ribbon with strain and magnetic order parameters.	CHAOS, 23, 013116 (2013)	I	2.0	-
29.	R. Sarmah, G. Ananthakrishna	Projecting low-dimensional chaos from spatiotemporal dynamics in a model for plastic instability.	Phys. Rev. E. 86, 056208 (2012)	I	2.313	-
30.	Ritupan Sarmah and G. Ananthakrishna	Dynamics of strain bifurcation in a magnetostrictive ribbon.	Phys. Rev. E. 86, 016204 (2012)	I	2.313	-
31.	R. Sarmah, G. Ananthakrishna, B. A. Sun, W. H. Wang	Hidden order in serrated flow of metallic glasses.	Acta Materialia 59, 4482 (2011) ISSN: 1359-6454	Elsevier	3.94	-
(2014)						
1.	B. Choudhury, A. Choudhury	Oxygen defect dependent variation of band gap, Urbach energy and luminescence property of anatase, anatase-rutile mixed phase and of rutile phases of TiO ₂ nanoparticles.	Physica E, 56, 364 (2014)	I		-
2.	J. Hazarika, C. Nath, A. Kumar	SHI irradiation induced enhancement in structural, conformational and electrical properties of polyaniline nanofibers.	Rad. Eff. Def. Sol., 169(1) (2014) 30-40.	I	0.6	--
3.	S. Banerjee, D. Konwer, A. Kumar	Polyaniline nanofiber reinforced nanocomposite based highly sensitive piezoelectric sensors for selective detection of hydrochloric acid: Analysis of response mechanism	Sensors & Actuators: B. Chemical B 190 (2014) 199– 207	I	3.8	3

4.	A. K. Nath, A. Kumar	Swift heavy ion irradiation induced enhancement in electrochemical properties of ionic liquid based PVdF-HFP-layered silicate nanocomposite electrolyte membranes.	J. Membrane Sci. 453 (2014) 192-201	I	4.9	1
5.	J. Hazarika, A. Kumar	160 MeV Ni ¹²⁺ ion irradiation effects on structural, optical and electrical properties of spherical polypyrrole nanoparticles	Nucl. Instr. & Meth. B 318 (2014) 269-275	I	1.18	2
6.	J. Upadhyay, A. Kumar, B. Gogoi, A. K. Buragohain	Biocompatibility and Antioxidant activity of polypyrrole nanotubes	Synthetic Metals, <u>189</u> (2014) 119–125	I	2.22	1
7.	P. Chutia, A. Kumar	Electrical, optical and dielectric properties of HCl doped polyaniline nanorods	Physica B 436 (2014) 200-207	I	1.27	--
8.	A.K. Nath, A. Kumar	Scaling of AC conductivity, electrochemical and thermal properties of ionic liquid based polymer nanocomposite electrolytes	Electrochim. Acta, 129 (2014) 177-186	I	4.08	3
9.	J. Upadhyay, A. Kumar	Investigation of structural, thermal and dielectric properties of polypyrrole nanotubes tailoring with silver nanoparticles.	Composites Science and Technology, 97 (2014) 55-62	I	3.6	--
10.	J. Hazarika, A. Kumar	Enhanced ac conductivity and dielectric relaxation properties of polypyrrole nanoparticles irradiated with Ni ¹²⁺ swift heavy ions.	NIM B 333 (2014) 73–79	I	1.18	--
11.	A.K. Nath, A. Kumar	Enhancement of electrochemical properties of nanocomposite polymer electrolytes by 100 MeV Si ⁹⁺ swift heavy ion irradiation.	Ionics, DOI: 10.1007/s11581-014-1133-0	I	1.83	--
12.	P. Chutia, A. Kumar	Electrical transport and morphological studies of polyaniline nanostructures.	Polymer Engineering and Science (in press). DOI: 10.1002/pen.23967	I	1.44	--

13.	R. Borah, S. Banerjee, A. Kumar	Surface functionalization effects on structural, conformational and optical properties of polyaniline nanofibers.	Synthetic Metals (in press).	I	2.22	--
14.	P. Chutia, A. Kumar	Temperature and magnetic field dependent electrical transport studies of poly (3, 4 ethylenedioxythiophene) nanoparticles.	J. Nanoparticles Res. DOI: 10.1007/s11051-014-2617-6	I	2.27	--
15.	R. S. Sirohi	Digital shear speckle pattern interferometry with holo-elements.	Asian Journal of Physics, 23(4), 509-515 (2014)	N		-
16.	C. Joenathan, R. S. Sirohi, A. Bernal	Advances in Speckle Metrology.	in "The Optics Encyclopedia" Brown et al. (Editors), Darmstadt: Wiley-VCH (2014)	I	-	-
17.	M. Devee, J. K. Sarma	Nonlinear GLR-MQ evolution equation and Q^2 -evolution of gluon distribution function.	Euro. Phys. J. C (2014) 74:2751	I	5.436	-
18.	N. Baruah, J. K. Sarma	Evolutions of longitudinal structure function F_L upto next-to-next-to-leading orders at small-x.	Int. J. Theor. Phys. (2014) 53 (7) 2492-2504	I	1.188	-
19.	N. M. Nath, N. Baruah, J. K. Sarma	Analytical solution of DGLAP evolution equation for $x F_3(x, Q^2)$ structure functions at low x and low Q^2 using a Q^2 dependent Regge ansatz.	Indian J. Phys 88 (7) 745–749 (2014)	I	1.785	-
20.	M. Devee, J. K. Sarma	Analysis of the small-x behavior of gluon distribution and a search for gluon recombination.	Nuclear Physics B 885 (2014) 571–582	I	3.946	-
21.	N. M. Nath, M. K. Das, J. K. Sarma	Regge Like Initial Input and Evolution of Non-Singlet Structure Functions from DGLAP Equation up to Next-Next-to Leading Order at Low x and Low Q^2 .	Pramana (2014) (accepted)	I	0.720	-
22.	N. Baruah, M. K. Das, J. K. Sarma	Longitudinal Structure Function F_L of Proton from Regge Like Behaviour of Structure Function at small-x.	Few Body Systems, (2014) DOI: 10.1007/s00601-014-0906-3	I	1.508	

23.	M. Devee, J. K. Sarma	Solution of nonlinear Gribov-Levin-Ryskin-Mueller-Qiu evolution equation for gluon distribution Function,	Journal of Physics: Conference Series 481 (2014) 012026	I	-	-
24.	N. M. Nath, N. Baruah, M. K. Das, J. K. Sarma	Solution of DGLAP Evolution Equation for x_F_3 Structure Function in Leading and Next-to-Leading Order at Small- x ,	Univ. J. of Phys. and App. 2(2) (2014) 80-84	I	-	-
25.	D. Sarmah, N.S Bhattacharyya, S. Bhattacharyya	Study of graded composite (LDPE/TIO 2) materials as substrate for microstrip patch antennas in X-band, Dielectrics and Electrical Insulation,	IEEE Transactions on, 20 (5), 1845-1850, 2013.	I	-	-
26.	S. Ozah, N.S. Bhattacharyya	Nanosized barium hexaferrite in Novaloc Phenolic Resin as microwave absorber for X band application,	Journal of Magnetism and Magnetic Materials, 2013.	I	-	-
27.	K. Borah, A. Phukan, N. S. Bhattacharyya, S. Bhattacharyya	Design of light weight microstrip patch antenna on dielectric and magnetodielectric substrate for broadband application in x-band.	PIER B, vol 60, pg no. 157-168(2014)	I	-	-
28.	S. Ozah, N. S. Bhattacharyya	Development of BaAlxFe12-xO19 - NPR nanocomposite as an efficient absorbing material in the X- band	JMMM (Accepted)	I	-	-
29.	A. K. Bordoloi, P Borah, S. Bhattacharyya, N. S. Bhattacharyya	Planar patch antenna with 100- μ m slit for size reduction and dual-band applications	Microwave and Optical Technology Letters 56 (7), 1725-1726(2014)	I	-	-
30.	J. P. Gogoi, N. S. Bhattacharyya, S. Bhattacharyya	Single layer microwave absorber based on expanded graphite–novolac phenolic resin composite for X-band applications	Composites Part B: Engineering 58, 518-523 (2014)	I	-	-
31.	M. Begum, S. Baruah, N. Das	Thermodynamic Properties of Strongly Coupled Plasma in the Presence of an External	Plasma Physics Reports, 2014, Vol. 40, No. 7, pp. 583–590. © Pleiades Publishing, Ltd., 2014 ISSN 1063_780X.	I	0.747	-

		Magnetic Field1				
32.	S. Bhattacharjee, N. Das	Interaction mechanisms between dust grains in the presence of asymmetric ion flow and an external magnetic field in complex plasma	Eur. Phys. J. D (2014) 68: 184 DOI: 10.1140/epjd/e2014-40636-3	I	1.398	-
33.	D. K. Kuri, N. Das	Electron-ion collisional effect on Weibel instability in a Kappa distributed unmagnetized plasma	PHYSICS OF PLASMAS 21, 042106 (2014)	I	2.325	-
34.	R. Khanam, N. Paul, P. Kumar, D. Kanjilal, G. A. Ahmed, D. Mohanta	Teflon impregnated anatase TiO ₂ nanoparticles irradiated by 80 keV Xe ⁺ ions.	Nuclear Instruments and Methods in Physics Research B 336 (2014) 135–142	I	1.324	-
35.	A. Gogoi, P. Rajkhowa, G. P. Saikia, G. A. Ahmed, A. Choudhury	WEBSCAT: A web application for the analysis of electromagnetic scattering from small particles,	Journal of Quantitative Spectroscopy & Radiative Transfer, 146 (2014) 270-279.	I	3.193	-
36.	G. A. Ahmed, A. Gogoi	Scattering by interstellar graphite dust analog.	Journal of Quantitative Spectroscopy & Radiative Transfer, 146 (2014) 106-112.	I	3.193	-
37.	B. C. Nath, B. Gogoi, M. Boruah, S. Sharma, M. Khanam, G. A. Ahmed, S. K. Dolui	High performance polyvinyl alcohol/multi walled carbon nanotube / polyaniline hydrogel (PVA/MWCNT/PAni) based dye sensitized solar cells.	Electrochimica Acta, 146 (2014) 106-111.	I	4.086	-
38.	R. Sarma, D. Mohanta	Recording ion channels across soy-extracted lecithin bilayer generated by water soluble quantum dots	Philosophical Magazine, 94(4), 345-357 (2014). DOI: 10.1080/14786435.2013.853140	I	1.427	-
39.	D. Mohanta, E. Stava, M. Yu, R.H. Blick	Creation and regulation of ion channels across reconstituted phospholipid bilayers generated by streptavidin linked magnetite nanoparticles	Physical Review E, 89(1), 012707 (2014). DOI:10.1103/PhysRevE/89.012707	I	2.326	-

40.	S.Bayan, S.Mishra, P.Chakraborty, D.Mohanta, R. Shankar, and R. Srivastava	Enhanced vacuum-photoconductivity of chemically synthesized ZnO nanostructures,	Philosophical Magazine, 94(09), 914-924 (2014). DOI: 10.1080/14786435.2013.869367	I	1.427	-
41.	R. Sarma, Q. Das, A. Hussain, A. Ramteke, A. Choudhury, D.Mohanta	Physical and biophysical assessment of highly fluorescent, magnetic wurtzite phase quantum dots of manganese selenide system	Nanotechnology, 25, 275101 (2014).DOI: 10.1088/0957-4484/25/18/215101	I	3.672	-
42.	M. Borah, D.Mohanta	Effect of Gd^{3+} doping on structural, optical and frequency dependent dielectric response of pseudo-cubic $BaTiO_3$ nanostructures,	Appl. Phys. A 115 (3), 1057 (2014) DOI: 10.1007/s00339-013-7941-7	I	1.694	-
43.	S.Hazarika, N. Paul, D.Mohanta,	Rapid hydrothermal route to synthesize cubic-phase Gd_2O_3 nanorods	Bull. Mater. Sci. 37 (4), 789-796 (2014).	N	0.970	-
44.	R. Khanam, P.Kumar, D.Kanjilal, G.A.Ahmed, D.Mohanta	Teflon impregnated TiO_2 nanoparticles irradiated with 80 keV Xe ions	Nucl. Instrum. Meth. B 336, 135-142 (2014). DOI:10.1016/j.nimb.2014.06.018	I	1.186	-
45.	B. Mondal, L. Dutta, C. Roychoudhury, D. Mohanta, N. Mukherjee, H. Saha	Effect of annealing temperature on the morphology and sensitivity of the zinc oxide nanorods-based methane sensor	Acta Metallurg. Sinica, 27(4), 593-600 (2014).DOI:10.1007/s40195-014-0094-7	I	0.426	-
46.	M. Borah, D.Mohanta,	Composite hydroxide mediated formation of barium titanate nanocubes and their optical emission response	Chinese J. Phys. (Ref:2014176, In press, 2014)	I	0.431	-
47.	M. Devi, D.Mohanta, A.Saha	Comparative study of microscopic, spectroscopic and magneto-optic response of ferrofluids subjected to γ -	Ind. J. Phys. DOI:10.1007/s12648-014-0522-6	N	1.785	-

		irradiation				
48.	K.Biswas, D.Mohanta, A.K. Mukherjee	Imaging bactericidal activity of Ag-nanoscale facets against Gram negative, coli form Escherichia coli bacteria	J.Bionanosci.. (JBNS-2014-06-0135, In press, 2014).	I	NA	-
49.	P. K. Karmakar, B. Borah	Inertia-centric stability analysis of a planar uniform dust molecular cloud with weak neutral-charged dust frictional coupling	Plasma Science and Technology, vol. 16, no. 5, pp. 433-447, 2014	I	0.596	1
50.	P. K. Karmakar, B. Borah	New oscillatory shock-like patterns in solar plasma with Boltzmann-distributed electrons	European Scientific Journal, vol. 10, no. 3, pp. 449-520, 2014	I	5.091	-
51.	P. K. Karmakar, B. Borah	New aspects on stability analysis of a planar charge-varying collisional dust molecular cloud with finite thermal inertia	Communications in Physics, vol. 24, no. 1, pp. 45-67, 2014	I	NA	-
52.	P. K. Karmakar, M. Gohain, U. Deka	Stability analysis of the polytropic solar wind	Canadian Journal of Physics, 2014 (in Press, doi: 10.1139/cjp-2013-0744)	I	0.928	-
53.	B. Borah, P. K. Karmakar	Nonlinear waves in a self-gravitating charge-varying collisional dust molecular cloud in presence of diverse equilibrium inhomogeneities	Physica Scripta, 2014 (in Press)	I	1.296	-
54.	Ng. K. Francis	Leptogenesis in Minimal Supersymmetry Standard Model	ECE (IJECE) ISSN Print:2278-9901 ISSN online: 2278-991X (peer-review)	I	2.5893 (JCC)	-
55.	S.N. Hazarika, K. Gupta, R. Boruah, K.K. yadav, A. Naglot, M. Mandal, P. Deb, I. Baruah, V. Veer, N.D. Namsa	One step green synthesis and the mechanism of anti-bacterial property of Thalictrum foliolosum DC leaf extract mediated biocompatible silver nanoparticles	J. Nanoparticle Research (2014) (accepted).	I	-	-
56.	K. Bhattacharya, B. Gogoi, A. K. Buragohain, P. Deb	Fe ₂ O ₃ /C nanocomposites having distinctive antioxidant activity and hemolysis prevention efficiency	Materials Science and Engineering: C 42 (2014) 595.	I	-	-

57.	M. Gogoi, P. Deb, D.Sen, S.Mazumder, A.Kostka	Enhanced Quantum Confined Stark Effect in a mesoporous hybrid multifunctional system	Solid State Communications 187 (2014) 48.	I	-	-
58.	M. Gogoi, P. Deb	Magneto-fluorescent hybrid of dye and SPION with ordered and radially distributed porous structures	Applied Surface Science 298 (2014) 130.	I	-	-
59.	K. Saikia, P. Deb, B. Mondal, E. Kalita	Significant improvement in dopant emission and lifetime in water soluble Cu:ZnSe/ZnS nanocrystals	Materials Research Express 1 (2014) 015014.	I	-	-
60.	R. Biswas, Pabitra Nath	Sensitivity analysis of two fiber optic sensors	Indian Journal of Physics	I	1.8	-
61.	P. Nath, R. Biswas, I. Hussain	Liquid-level sensing based on periodic evanescent field absorption from a multimode optical fibre	Current Science	I	1	-
62.	R. Biswas, D. Borah, S. Baruah	Moho Depth Variation In Shillong-Mikir Hills Plateau And its Adjoining Region of Northeastern India Estimated From Reflected And Converted Waves	Journal of Earthquake Science	I	1	-
63.	R. Biswas	All fiber optic hetero-core spliced band-rejection filter	Optical Fiber Technology	I	1.2	-
64.	D. Borah, M. K. Das	Neutrino Masses and Leptogenesis in Type I+II Seesaw Models	Phys.Rev. D90 (2014) 015006	I	4.864	-
65.	M. Borah, D. Borah, M. K. Das	Radiative Generation of Non-zero θ_{13} in MSSM with broken A_4 Flavor Symmetry	Nucl.Phys. B885 (2014) 76-96	I	3.946	-
66.	N. M. Nath, M. K. Das, J. K. Sarma	Regge Like Initial Input and Evolution of Non-Singlet Structure Functions from DGLAP Equation up to Next-Next-to Leading Order at Low x and Low Q^2 .	Pramana (2014) (accepted)	I	0.720	-
67.	N. Baruah, M. K. Das, J. K. Sarma	Longitudinal Structure Function F_L of Proton from Regge Like Behaviour of Structure Function at small- x .	Few Body Systems, (2014) DOI: 10.1007/s00601-014-0906-3	I	1.5	-

68.	N. M. Nath, N. Baruah, J. K. Sarma, M. K. Das.	Solution of DGLAP Evolution Equation for xF3 Structure Function in Leading and Next-to-Leading Order at Small-x	Universal J. Phys. and App. 2(2) (2014), 80-84 10.13189/ujpa.2014.020204	I	-	-
69.	A. Pathak, A.C. Pradhan, J. Murthy	FUV characteristics of the interstellar medium of the Large Magellanic Cloud	Science Publishers, New York, 2012, pp. 57–76 (ISBN: 978-1-61470-807-0).	I	-	-
70.	A. Pathak, M. Buragohain, M. Hammonds, P. J. Sarre	Theoretical Investigation of PAHs: Implications to Diffuse Interstellar Bands	Cambridge University Press, 2014, 9, 349.	I	-	-
71.	R. Sarma, A. Pathak, A. C. Pradhan, J. Murthy, J. K. Sarma	OVI absorption in the Milky Way along the Large Magellanic Cloud lines of sight.	Adv. Space Res., 2014, 53, 963	I	-	-
72.	A. C. Pradhan, A. Pathak, J. Murthy, D. K. Ojha	Observations of OVI absorption from the superbubbles of the Large Magellanic Cloud	Cambridge University Press, 2014, 9, 388.	I	-	-
73.	S. Rastogi, A. Pathak, A. Maurya	Polycyclic aromatic hydrocarbon molecules in astrophysics	Invited Review Article, AIP Conf. Proc., 2013, 1543, 49–63.	I	-	-
74.	M. Buragohain, A. Pathak, M. Hammonds, P. J. Sarre	Theoretical quantum chemical study of protonated - deuterated PAHs: Interstellar implications	AIP Conf. Proc., 2013, 1543, 258–264.	I	-	-
75.	A. C. Pradhan, J. Murthy A. Pathak	Observations of Far Ultraviolet Diffuse Emission from the SmallMagellanic Cloud	Astrophys. J., 2011, 743, 80.	I	-	-
76.	M. Hammonds, A. Pathak, A. Candian, P.J. Sarre	Spectroscopy of protonated and deprotonated PAHs	EAS Publications Series, 2011, 46, 373.	I	-	-
77.	A. Pathak, A. C. Pradhan, N. V.	Survey of OVI absorption in the Large Magellanic Cloud	Mon. Not. Royal Astron. Soc., 2011, 412, 1105	I	-	-

	Sujatha, J. Murthy					
78.	A.C. Pradhan, A. Pathak, J. Murthy	Far ultraviolet diffuse emission from the Large Magellanic Cloud	Astrophys. J. Lett., 2010, 718, L141.	I	-	-
79.	S. Dutta, A. Choudhury, P.Nath,	Evanescent wave coupled spectroscopic sensing using smartphone.	Photonics Technology Letters vol. 26 no.6 pp.568-570 (2014)	I	2.038	-
80.	P. Nath, I. Hussain, R.Biswas,	Liquid level sensing based on periodic evanescent field absorption from a multimode optical fiber.	Current Science vol. 106 no. 3 pp.424-427 (2014)	N	0.905	-
81.	P.Nath, I.Hussain, S.Dutta, A.Choudhury	Solvent treated paper resistor for filter circuit operation and relative humidity sensing.	Indian Journal of Physics DOI 10.1007/s12648-014-0547-x (2014)	I	1.785	-
82.	R.Biswas, P.Nath	Sensitivity analysis of two-fiber optic sensors.	Indian Journal of Physics DOI 10.1007/s12648-014-0513-7 (2014)	I	1.785	-
83.	R.Boruah, A. Choudhury, P.Nath, G.A. Ahmed	Investigation of nano-dimensional silver as a protein biosensor using Kretschmann configuration.	IEEE Sensors Journal (accepted with revision)	I	1.475	-
84.	R. Gogoi	Parameterization of proton structure function using fractal inspired model	Res. J. Rec. Sc.	I	-	-
85.	A. Hoque, R. Boruah, S. K. Das	Tunable optical properties of ZnO via doping monovalent (Li^+), divalent (Mn^{2+}) and trivalent (Fe^{3+}) cations	Materials Chemistry and Physics 2014, 147, 213	I	2.129	-
86.	Shyamal K. Das	Coaxial growth of carbon coated MoS_2 nanoparticles on carbon nanotube and their electrochemical evaluation	Materials Letters 2014, 130, 240	I	2.269	-
87.	S.K. Das, S. Lau, L. A. Archer	Sodium-Oxygen Battery: A New Class of Metal-Air Battery	Journal of Materials Chemistry A 2014, 2, 12623	I	6.626	-
88.	P. K. Karmakar, B.	Inertia-centric stability analysis of a planar uniform dust molecular cloud	Plasma Science and Technology, vol. 16, no. 5, pp. 433-447, 2014	I	0.596	1

	Borah	with weak neutral-charged dust frictional coupling				
89.	P. K. Karmakar, B. Borah	New oscillatory shock-like patterns in solar plasma with Boltzmann-distributed electrons	European Scientific Journal, vol. 10, no. 3, pp. 449-520, 2014	I	5.091	-
90.	P. K. Karmakar, B. Borah	New aspects on stability analysis of a planar charge-varying collisional dust molecular cloud with finite thermal inertia	Communications in Physics, vol. 24, no. 1, pp. 45-67, 2014	I	Not known	-
91.	H. P. Goutam, P. K. Karmakar	An inertia-based theoretical study of the Debye shielding in different plasma configurations	Canadian Journal of Physics, vol. 92, no. 6, pp. 459-464, 2014 (doi: 10.1139/cjp-2013-0136)	I	0.928	-
92.	P. K. Karmakar, M. Gohain, U. Deka	Stability analysis of the polytropic solar wind.	Canadian Journal of Physics, 2014 (doi: 10.1139/cjp-2013-0744)	I	0.928	-
93.	B. Borah, P. K. Karmakar	Nonlinear waves in a self-gravitating charge-varying collisional dust molecular cloud in presence of diverse equilibrium inhomogeneities	Physica Scripta, 2014	I	1.296	-
94.	M. Gohain, P. K. Karmakar	Gravito-electrostatic fluctuations in a polytropic charged dust cloud	Physica Scripta, 2014	I	1.296	-
95.	B. Borah, P. K. Karmakar	Pulsational mode fluctuations and their basic conservation laws	Advances in Space Research, 2014	I	1.436	-
96.	D. Borah, R. Adhikari	Common Radiative Origin of Active and Sterile Neutrino Masses	Physics Letters B729, 143 (2014).		-	-
97.	D. Borah, S. Patra, P. Pritimita	Sub-dominant Type II Seesaw as an Origin of Non-zero θ_{13} in SO(10) model with TeV scale Zprime Gauge Boson	Nuclear Physics B881, 444 (2014).		-	-
98.	M. Borah, D. Borah, M. K. Das	Radiative Generation of Non-zero θ_{13} in MSSM with broken A4 Flavor Symmetry.	Nuclear Physics B885, 76 (2014).		-	-

99.	D. Borah	Type II Seesaw Origin of Nonzero θ_{13} , δ_{CP} and Leptogenesis,	International Journal of Modern Physics A29, 1450108 (2014).		-	-
100	A. Dasgupta, D. Borah	Scalar Dark Matter with Type II Seesaw,	Nuclear Physics B889, 637 (2014).		-	-
101	M. Borah, D. Borah, M. K. Das, S. Patra	Perturbations to μ - τ Symmetry Leptogenesis and Lepton Flavor Violation with Type II Seesaw,	Physical Review D90, 095020 (2014).		-	-
(2013)						
1.	B. Choudhury, A. Choudhury	Room temperature ferromagnetism in defective TiO ₂ nanoparticles: Role of surface and grain boundary oxygen vacancies	J. Appl. Phys. 114, 203906 (2013)	I	2.21	-
2.	B. Choudhury, P. Chetri, A. Choudhury	Oxygen defects and formation of Ce ³⁺ affecting the photocatalytic performance of CeO ₂	RSC Advances, DOI: 10.1039/C3RA44603D, 2013	I	2.562	-
3.	P. Chetri, B. Saikia, A. Choudhury	Structural and optical properties of Cu doped SnO ₂ nanoparticles: An experimental and density functional study	J. Appl. Phys. 113, 233514 (2013)	I	2.21	-
4.	P. Chetri, R.C. Deka, A. Choudhury	Structural and electronic properties of stable Lin ($n=2-10$) clusters: A density functional study	Physica B, 430, 74 (2013)	I	1.327	-
5.	P. Basyach, A. Choudhury	Structural and optical properties of core-shell Ag ₂ S/HgS nanostructures.	Mat. Res. Bull. 48, 2543 (2013)	I	1.913	-
6.	B. Choudhury, M. Dey, A. Choudhury	Defect generation, d-d transition, and band gap reduction in Cu-doped TiO ₂ Nanoparticles.	International Nano Letters, 3, 1 (2013)	I	-	2
7.	S. Ghosh, A. Choudhury, J. K. Sarma	Electromagnetic mass and charge of electrons at relativistic speed	Indian Journal of Physics (2013)	I	1.785	-
8.	P.Nath, R.Biswas, A.Choudhury	All fiber-optic sensors for monitoring pressure fluctuations in ON/OFF state.	IEEE Sensors Journal.(2013)	I	1.475	-

9.	A. Gogoi, A.Choudhury, G. A. Ahmed	Laboratory measurements of the light scattering properties of bentonite clay particles embedded in cylindrical polymer matrix"	Accepted for publication by Journal of Modern Optics	I	-	-
10.	P.Nath,I.Hussein, A.Choudhury	Fiber optic volumetric sensor based on Beer-Lambart principle.	Accepted by IEEE sensor journal	I	1.475	-
11.	J. Hazarika, C. Nath, A. Kumar	SHI irradiation induced enhancement in structural, conformational and electrical properties of polyaniline nanofibers.	Rad. Eff. Def. Sol. (2013) (in press). http://dx.doi.org/10.1080/10420150.2013.826218	I	0.66	-
12.	J. Upadhyay, A. Kumar	Engineering polypyrrole nanotubes by 100 MeV Si ⁹⁺ ion beam irradiation: Enhancement of antioxidant activity.	Materials Science and Engineering C, 33(8) (2013) 4900-4904.	I	2.404	
13.	C. Nath, A. Kumar	Doping level dependent space charge limited conduction in polyaniline nanoparticles.	J. Appl. Phys. 112 (2012) 093704.	I	2.210	3
14.	S. Pramanik, J. Hazarika, A. Kumar, N. Karak	Castor oil based hyperbranched poly (ester amide)/ polyaniline nanofiber nanocomposites as antistatic materials	Indl. & Engg. Chem. Res., 52 (2013) 5700-5707.	I	2.206	2
15.	J. Hazarika, A. Kumar	Controllable synthesis and characterization of Polypyrrole nanoparticles in Sodium Dodecylsulphate (SDS) micellar solutions	Synth. Met., 175 (2013) 155–162.	I	2.109	-
16.	J. Upadhyay, A. Kumar	Structural, thermal and dielectric studies of polypyrrole nanotubes synthesized by reactive self degrade template method	Materials Science and Engineering B, 178 (2013) 982-989.	I	1.846	1
17.	C. Nath, A. Kumar	Fractal like charge transport in polyaniline nanostructures	Physica B: Physics of Condensed Matter 426 (2013) 94-102.	I	1.327	-
18.	P. Chutia, C. Nath, A. Kumar	Dopant size dependent variable range hopping conduction in polyaniline nanorods.	Appl. Phys. A. DOI 10.1007/s00339-013-7903-0.	I	1.545	-
19.	C. Nath, A. Kumar, Kun-Zai Syu, Y.K.	Heat conduction in conducting polyaniline nanofibers	Appl. Phys. Lett., 103 (2013) 121905.	I	3.794	-

	Kuo					
20.	J.K. Sarma, R. Rajkhowa	Particular and unique solutions of DGLAP evolution equation in leading order and gluon structure function at small-x	International Journal of Scientific & Engineering Research, Volume 4, Issue 11, November-2013	I	1.4	-
21.	J. K. Sarma, R. Sarma, A. Pathak, A. C. Pradhan, J. Murthy.	O VI absorption in the Milky Way along the Large Magellanic Cloud lines of sight, astro-ph.GA	Adv. Space Research, (June, 2013)	I	1.183	-
22.	J.P Gogoi, N.S Bhattacharyya, S. Bhattacharyya	Single Layer Microwave Absorber Based on Expanded Graphite-Novolac Phenolic Resin Composite for X-Band Applications	Composites Part B: : Engineering 58, March 2014, Pages 518–523	I	2.143	-
23.	A.K. Bordoloi, P. Borah, S. Bhattacharyya, N. S. Bhattacharyya	Broad band microstrip antenna with 100 μ m Slits on elevated edges for C- and X-band communication.	Microwave and Optical Technology Letters 55(6), 1285-1287	I	0.585	-
24.	A. Gogoi , G. A. Ahmed , G. Das , N. Karak , R. Boruah, A. Choudhury	Laboratory measurements of the light scattering properties of bentonite clay particles embedded in a cylindrical polymer matrix.	Journal of Modern Optics, 60:8, (2013) 603-610.	I	-	-
25.	S. Roy, N. Barua, A.K. Buragohain, G.A. Ahmed	Study of ZnO nanoparticles: Antibacterial property and light depolarization property using light scattering tool,	Journal of Quantitative Spectroscopy & Radiative Transfer, 118 (2013) 8-13.	I	-	-
26.	A. Borthakur, N. Das	Weibel Instability due to ultra-intense laser plasma interaction	IJBSS, 2, 1, 2013.	I	-	-
27.	S. Bhattacharjee, N. Das	Ion-wake-induced anomaly of dust lattice mode in the presence of an external magnetic field	Phys. Rev. E, 88, 043106, 2013.	I	2.38	-
28.	S. Bhattacharjee, N.	Ion wake formation with dust charge fluctuation in complex plasma	Phys. Plasmas, 20, 113701, 2013.	I	2.38	-

	Das					
29.	S. Bayan, D. Mohanta	Fragmentation of elongated-shaped ZnO nanostructures into spherical particles by swift ion impact	Physica E 54, (2013) 288-294	I	1.522	-
30.	S. Bayan and D. Mohanta	Significant Fowler-Nordheim tunneling across ZnO-nanorod based nanojunctions for nanoelectronic device applications	Curr. Appl. Phys, 13, (2013), 705-709	I	1.814	-
31.	N. Paul, M. Patowary, B. Pegu, D. Mohanta	Physical properties of nanoscale TiO ₂ related to Ag-doping and photochromic behavior	Nanosci. & Nanotech. Lett. 5(4) (2013), 452-456.	I	0.53	-
32.	N Paul, S Hazarika, A Saha, D Mohanta	Optical emission, vibrational feature, and shear-thinning aspect of Tb ³⁺ -doped Gd ₂ O ₃ nanoparticle-based novel ferrofluids irradiated by gamma photons	J. Appl. Phys. 114 (2013) 134903-134903-9	I	2.21	-
33.	N. Paul, D. Mohanta	Effective optoelectronic and photocatalytic response of Eu ³⁺ -doped TiO ₂ nanoscale systems synthesized via a rapid condensation technique	J. Mater. Res., 28 (2013) 1471-1480	I	1.713	-
34.	S. Hazarika, D. Mohanta	Production and optoelectronic response of Tb ³⁺ activated gadolinium oxide nanocrystalline phosphors	Eur. Phys. J. Appl. Phys. 62 (2013) 30401	I	0.71	-
35.	R. Sarma, A. Chetry, D. Mohanta	Synthesis, stabilization of CdSe quantum dots and role of rose water and citric environment	Nanosci. & Nanotech. Lett. 3 (2013) 775-782	I	0.53	1
36.	R. Khanam, D. Mohanta	Properties of hydrothermally processed multi-walled titania nanotubes	Physica E 49 (2013) 39	I	1.522	-
37.	S. Hazarika, D. Mohanta	Extraction and characterization of mixed phase KNO ₂ -KNO ₃ nanocrystals derived from flat-leaf green spinach	Physica Scripta 87(1), 015603	I	1.032	

38.	S. Pramanik, R. Konwarh, R. C. Deka, L. Aidew, N. Barua, Alak K. Buragohain, D. Mohanta, N. Karak	Microwave-assisted poly (glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a 'tendrillar' nanofibrous polyaniline wrapping and their interaction at bio-interface	Carbon, 55 (2013) 34-43	I	5.868	4
39.	P. K. Karmakar, D. Mohanta	Fermi surfaces in nanostructured systems under non-planar geometry	Adv. Sci. Engg. Med., 5 (2013) 1097-1104	I	-	-
40.	P. K. Karmakar, B. Bora	Nonlinear pulsational eigenmodes of a planar collisional dust molecular cloud with grain-charge fluctuation	European Physical Journal D, 67 (2013) 187(1)-187(14).	I	1.513	-
41.	P. K. Karmakar, B. Bora	Inertia-induced excitation theory for nonlinear electrostatic eigenmodes in solar plasma	Journal of Science, 3 (2013) 215-240	I	-	-
42.	P. K. Karmakar, B. Bora	An inertia-centric stability analysis of a planar uniform dust molecular cloud with weak neutral-charged dust frictional coupling	Plasma Science and Technology, 2013 (accepted)	I	0.514	-
43.	P. K. Karmakar, B. Bora	New self-gravitational oscillatory eigenmode patterns of solar plasma with boltzmann-distributed electrons	Adv. Studies Theor. Phys., 2013 (accepted)	I	-	-
44.	H. P. Goutam, P. K. Karmakar	An inertia-based theoretical study of the Debye shielding in different plasma configurations	Canadian Journal of Physics, 2013 (accepted)	I	0.902	-
45.	D. Borah, M. K. Das	Neutrino masses and mixings with non-zero θ_{13} in type I + II seesaw models	Nuclear Physics B 870, 461 (2013)	I	4.33	Cited 5 times
46.	P. Nath, S. Neog, R. Biswas, A. Choudhury	All fiber optic sensor for monitoring Pressure fluctuations in ON-OFF state	IEEE Sensors Journal, 13, no. 4 1148-1152(2013)	I	1.52	-
47.	D. G. Kenneth D. Long Hojeong	Label-free bio detection using a smartphone	Lab on a Chip Vol. 13, pp. 2124-2132, (2013)	I	5.96	6

	Yu, Peter P. Clark, Yixiao Lin, Sherine George, P. Nath, Brian T. Cunningham					
48.	I. Hussain, A. Choudhury, P. Nath	Fiber optic volumetric sensor based on Beer-Lambert principle	IEEE Sensors Journal vol.13, no. 9 pp.3345-3346 (2013).	I	1.52	-
49.	R. Sarma, A. Pathak, A. C. Pradhan, J. Murthy, J. K. Sarma	OVI absorption in the Milky Way along the Large Magellanic Cloud lines of sight	Adv. Space Res., 2013, in press	I	1.183	-
50.	S. Rastogi, A. Pathak, A. Maurya	Polycyclic aromatic hydrocarbon molecules in astrophysics	AIP Conf. Proc. (Invited review article) 2013, 1543, 49-63	I		-
51.	D. Borah	Effects of Planck Scale Physics on Neutrino Mixing Parameters in Left-Right Symmetric Models	Physical Review D87, 095009 (2013)	I	4.691	-
52.	D. Borah	Deviations from Tri-Bimaximal Neutrino Mixing Using Type II Seesaw	Nuclear Physics B876, 575 (2013)	I	4.327	-
(2012)						
1	B. Choudhury, A. Choudhury	Dopant induced changes in structural and optical properties of Cr ³⁺ doped TiO ₂ nanoparticles	Materials Chemistry and Physics 132 (2) (2012), 1112	I	2.234	6
2	B. Choudhury, B. Borah, A. Choudhury	Extending photocatalytic activity of TiO ₂ nanoparticles to visible region of illumination by doping of cerium.	Photochemistry and Photobiology 88(2012) : 257	I	2.413	5
3	B. Choudhury, A. Choudhury	Luminescence characteristics of cobalt doped TiO ₂ nanoparticles.	Journal of Luminescence 132 (2012) 178	I	2.102	5
4	B Choudhury, A. Choudhury	Ce ³⁺ and oxygen vacancy mediated tuning of structural and optical properties of CeO ₂ nanoparticles.	Materials Chemistry and Physics 131 (3), 666-671	I	2.234	4
5	B. Goswami, A.	Luminescence properties of a	Luminescence	I	1.73	

	Choudhury, A. Buragohain	nanoporous freshwater diatom				
6	A. Kumar, M. Deka	PEO/P(VdF-HFP) blend based Li ⁺ ion-conducting composite polymer electrolytes dispersed with dedoped (insulating) polyaniline nanofibers, J. Solid State Electrochem. 16 (1) (2012) 35-44.	J. Solid State Electrochem. 16 (1) (2012) 35-44	I	2.131	
7	J. Hazarika, C. Nath, A. Kumar	160 MeV Ni ¹²⁺ ion irradiation effects on dielectric properties of polyaniline nanotubes	Nucl. Instr. & Meth. B 288 (2012) 74.	I	1.211	
8	S. Banerjee, D. Konwar, A. Kumar	Polyaniline nanofiber reinforced nanocomposite coated quartz crystal microbalance based highly sensitive free radical sensor.	Sensors and Actuators B 171-172 (2012) 924	I	3.898	1
9	M. Deka, A. Kumar, H. Deka, N. Karak	Ionic transport studies in hyperbranched polyurethane/clay nanocomposite gel polymer electrolytes.	Ionics 18 (2012) 181	I	1.288	1
10	S. Pramanik, N. Karak, S. Banerjee, A. Kumar	Effects of solvent interactions on the structure and property of prepared PAni nanofibers	J. Appl. Polym. Sci. 126 (2012) 830	I	1.289	2
11	S. Banerjee, A. Kumar	Relaxation and charge transport phenomena in polyaniline nanofibers: Swift heavy ion. irradiation effects	J. non-crystalline solids 358 (2012) 2990.	I	1.538	
12	D.K. Singh, S.K. Singh, S. Kumar, B. Nagarajan, B.C. Bhatt, R.P. Tiwari, Arun Kumar, A.Kumar, H. Bhu, S. Kalita	Rigid Indian plate: Constraints from GPS measurements,	Gondwana Res 22 (3-4) (2012) 1068-1072.	I	6.659	
13	S. Sarmah, A. Kumar	Electrical and optical studies in Polyaniline nanofiber-SnO ₂ nanocomposites	Bulletin of Materials Science (2012) Article in press	I	0.88	

14	C. Nath, A. Kumar	Doping level dependent space charge limited conduction in polyaniline nanoparticles	J. Appl. Phys 112(2012) 093704	I	2.168	
15	J. K. Sarma, M. Devee, R. Baishya	Evolution of singlet structure functions from DGLAP equations in next-to-next-to-leading order at small-x	Euro. Phys. 72 (2012) 2036	I	3.631	
16	J. K. Sarma, M. Devee, R. Baishya	Solution of singlet Dokshitzer-Gribov-Lipatov-Altarelli-Parisi evolution equation in next-to-next-to-leading order at small-x,	Indian J. Phys. 86(2) (2012) 141	I	0.381	
17	J. K. Sarma, S. Ghosh, A. Choudhury	Radii of electrons and their $\square$ -quantized relations,	Indian J. Phys. 86(6) (2012) 481-483	I	0.381	
18	J. K. Sarma, R. Sarma	X-Ray spectral variability of MRK335 with XMM-Newton	JASS 53(1) (2012)	I		
19	J. K. Sarma, S. Ghosh, A. Choudhury, J. K. Sarma	Radius of electron, magnetic moment and helical motion of the charge of electron	Apeiron 19(3) (2012) 247	I		
20	M. K. Das, J. K. Sarma	Deviation from tri-bi-maximal mixing with charged lepton correlation in case of normal and inverted hierarchical mass models	J. Recent Sc 1(5) (2012) 72	I		
21	S. Borah, N. S. Bhattacharyya	Broadband magneto-dielectric response of particulate ferrite polymer composite at microwave frequencies	Composites Part B: Engineering, V 43 (4)(2012)1988	I	1.7	
22	K. Borah, N. S. Bhattacharyya	Magneto-dielectric composite with ferrite inclusions as substrates for microstrip patch antennas at microwave frequencies.	Composites Part B: Engineering 43(3),(2012)1309	I	1.7	
23	K. Borah, N. S. Bhattacharyya	Magnetodielectric Composite with NiFe ₂ O ₄ inclusions as Substrates for Microstrip Antennas	IEEE Transactions on Dielectrics and Electrical Insulation 19(5)(2012)	I	1.094	
24	N. S. Bhattacharyya, B.	Modified interphase theory to determine dielectric constant of	Composites Part B: Engineering 43(3), 2012, 1665	I	1.7	

	Choudhury, J. R. Deka	particulate composite material at microwave frequency				
25	S. Roy, G.A. Ahmed	Design considerations of a $\square$, $\square$ -dependent laser scattering setup for monitoring small particles	Journal of Laser and Optical Science, 2 (1) (2012), 35	I	N/A	
26	A. Gogoi, D. Saikia, A. Choudhury, G.A.Ahmed	Laboratory measurements on black carbon and graphite particles in single scattering conditions	Journal of Laser and Optical Science, 2 (1) (2012), 26-30.	I	N/A	
27	S. Bhattacharjee, N. Das	Effect of wake potential on Coulomb crystallization in the presence of magnetic field	Phys. Plasmas., 19, 103707, 2012.	I	2.15	
30	Ng. K. Francis, N. N. Singh	Validity of quasi-degenerate neutrino mass models and their predictions on baryogenesis	Nucl. Phys. B, 863(2012) 19	I	5.19	
31	M. Gogoi, P. Deb	Light scattering behavior of magnetic field induced directional self assembly of iron oxide nanoparticle suspension	Nano 7(2012)1250027	I	1.106	
32	M. Gogoi, P. Deb, G. Vasan, P. Keil, A. Kostka, A. Erbe	Direct monophasic replacement of fatty acid by DMSA on SPION surface	Applied Surface Science 258 (2012) 9685.	I	2.032	
33	M. Gogoi, P. Deb, A. Kostka	Differential tunability effect on the optical properties of doped and undoped quantum dots	Phys Stat Solidi 209 (2012) 1543	I	1.463	
34	P. Deb, M. Gogoi, P.K. Karmakar	Anomalous magneto-optic Faraday rotation behavior due to resonant tunneling of magnetic moment	J. Optics 41 (2012) 41	I	1.19	
35	D.K. Jha, P. Deb, E.Kalita, A.B. Patel	Synthesis and characterization of iron-rich FexPt1-x ferrofluid for magnetic resonance imaging	Phys. Scr. 85(2012) 035802	I	1.204	
36	E. Kalita, P. Deb	Surface engineered biocompatible super paramagneticiron oxide nanoparticles (SPIONs) as stable, colloidal dispersions for magnetic imaging applications	JASS. 53 (2012) 12	I	0.2	

37	P. K. Karmakar	A new technique for electromagnetic characterization of spherical charged dust molecular cloud	Results in Physics 2,(2012),77	I		
38	P. K. Karmakar, D. Mohanta	A model approach to Fermi Surface construction in nanostructured systems	J. Comp. Theo. Nanosci 9(12)(2012)	I	0.912	
39	P. K. Karmakar, B. Bora	Application of inertia-induced excitation theory for nonlinear eigenmodes in solar plasma	Advances in Aerospace Science and Applications, 2012 (accepted)	I		
40	P. K. Karmakar, B. Bora	New nonlinear eigenmodes in self-gravitating spherical charged dust molecular cloud	Physica Scripta 86(2012),025503(1)	I	1.208	
41	M. K. Das, D. Borah, R. Mishra	Quasi-degenerate Neutrino and Type II seesaw Models	Phy. Rev. D 86,(2012) 095006	I	4.558	
42	M. K. Das	Different mixing scenerio of quasi-degenerate neutrino with charged lepton correction	J. Mod. Phy. 10(3) (2012) 1556	I		
43	M. Borah, K. Bora, M. Gohain, M. K. Das	Parameterization of Neutrino Mass Models and Different Mixing Scenario	J. Pure and Applied Phy 8(2) (2012)79	I		
44	M. K. Das, J. K. sarma	Deviation from tri-bi-maximal mixing in case of inverted and normal hierarchical neutrino mass models	Res. J. Rec. Sc. 1(5) (2012) 72	I		
45	P Nath , H K singh, D Tiwari, T. Basumatary	Fiber-optic liquid level sensor based on coupling optical path length variation	Review of Scientific Instruments 83,(2012)055006	I	1.367	
46	P. Nath, M. Buragohain	Fiber optic sensor for non-intrusive refractive index measurement of reactive chemical solutions	Pramana-Journal of Physics 79(6),(2012)1525	N	0.575	
47	R. Gogoi, D. K. Choudhury	Estimation of ultra high energy neutrino nucleon cross Sections	Int. J. of Appl. Phys., 2(3), (2012) 221	I		
48	D. Borah	Spontaneous Parity Breaking, Gauge Coupling Unification and Consistent Cosmology with Transitory Domain Walls	Physical Review D 86(2012), 096003	I	4.558	

49	D. Borah	Astrophysical Constraints on the scale of Left-Right Symmetry in Inverse Seesaw Models	Journal of Modern Physics 3(29) (2012) 1097.	I		
50	D. Borah, J. M. Cline	Inert Doublet Dark Matter with Strong Electroweak Phase Transition,	Physical Review D 86 (2012), 055001	I	4.558	
51	D. Borah, R. Adhikar	Abelian Gauge Extension of Standard Model: Dark Matter and Radiative Neutrino Mass	Physical Review D 85(2012) 095002	I	4.558	
52	D. Borah	Abelian Extension of Standard Model with Four Generations	Physical Review D 85(2012) 015006	I	4.558	
53	C.R. Mariappan *, M. Gellert, C.Yada, F. Rosciano and B. Roling	Grain boundary resistance of fast lithium ion conductors: Comparison between the Ohara lithium-ion conductive glass ceramic and a $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ge}_{1.5}\text{P}_3\text{O}_{12}$ ceramic	Electrochemistry Communications 14 (2012) 25.	I	4.296	
54	M. Karthikeyan, B. Bhagyaraju, C.R. Mariappan, S.M. Mobin, B. Manimaran	Novel semi-conducting metal-organic framework: Synthesis, structural characterization and electrical conductivity studies of manganese based two dimensional co-ordination polymers	Inorganic Chemistry Communication 20 (2012) 269	I	1.97	
55	S. K. Das, S. Xu, A. –H. Emwas, Y. Y. Lu, S. Srivastava, L. A. Archer	High energy lithium-oxygen batteries- Transport barriers and thermodynamics	En. and Env Science 5,(2012) 8927	I	9.61	
56	Y. Y. Lu, S. K. Das, S. S. Moganty, L. A. Archer	Ionic liquid-nanoparticle hybrid electrolytes and their application in secondary lithium metal batteries	Advanced Materials 24(2012),4430 Research highlight in Nature Materials 11,(2012) , 745	I	13.877	
57	K. Shiva, S. K. Das, A. J. Bhattacharyya	Benefits of Electronic Wiring and Spacers on Lithium Storage in Nanostructured Lithium-Ion Battery Anodes	Nanoscience Nanotechnol Letter 4 (2012,),720	I	0.5	
58	S. K. Das, R. Mallavajula, N.	Self-assembled MoS ₂ -carbon nanostructures: influence of	Journal of Materials Chemistry 22, (2012) 12988	I	5.97	

	Jayaprakash, L. A. Archer	nanostructuring and carbon on lithium battery performance				
59	A Patel, R Bhattacharyay, R Srinivasan, E Rajendrakumar, P Bhuyan, P Satyamurthy, P Swain, KS Goswam	3D thermo-fluid MHD simulation of single straight channel flow in LLCB TBM	Fusion engineering and Design, 87(5-6),2012, 498	I	1.490	
60	N. Das, Swati Baruah	Dissipative drift instability in dusty plasma	AIP Advances, 2012 ISSN No.2158-3226 (online)	I		
(2011)						
1	B Choudhury, A Choudhury, AKM Maidul Islam, P Alagarsamy, M Mukherjee	Effect of oxygen vacancy and dopant concentration on the magnetic properties of high spin Co ²⁺ doped TiO ₂ nanoparticles	J. of Magnetism and Magnetic Materials 323 (5),(2011) 440	I	1.780	14
2	B Das,A. Choudhury, A Gomathi, AK Manna, SK Pati, CNR Rao	Interaction of inorganic nanoparticles with graphene	Chem.Phys.Chem 12 (5), 937-943	I	3.412	22
3	B Choudhury, A Choudhury, RK Singh	Magnetic properties study of solgel synthesized cobalt-doped anatase tio ₂ nanopowder	International Journal of Nanoscience 10 (4), (2012) 581	I		
4	A. Gogoi, P. Rajkhowa, A. Choudhury, G. A. Ahmed	Development of TUSCAT: A software for light scattering studies on spherical, spheroidal and cylindrical particles	Quantitative Spectroscopy and Radiative Transfer 112,(2011), 2713	I	3.193	
5	A. Gogoi, G. Das, N. Karak, A. Choudhury, G. A. Ahmed	Measurement of angular scattering function and degree of linear polarization of bentonite clay particles em-bedded in cylindrical epoxy matrix	Atti Accad. Pelorit. Pericol. Cl. Sci. Fis. Mat. Nat. 89(1), (2011)C1V89S1P039	I		
6	M. Deka, A. Kumar	Electrical and electrochemical studies	J. Power Sources	I	4.951	

		of PVdF-Clay nanocomposite gel polymer electrolytes for Li-ion batteries	196 (2011) 1358			
7	A. Kumar, Somik Banerjee	Swift heavy ion irradiation: a novel technique for tailoring the size of polyaniline nanofibers	Intl. J. Nanoscience 10 (1-2) (2011) 161	I		
8	S. Banerjee, A. Kumar	Swift heavy ion irradiation induced structural and conformational changes in polypyrrole nanofibers	Radiation Effects and Defects in Solids, 166 (8-9) (2011) 598	I	0.66	
9	S. Banerjee, A. Kumar	Dielectric spectroscopy for probing the relaxation and charge transport in polypyrrole nanofibers	J. Appl. Phys. 109 (2011) 114313	I	2.168	
10	A. Kumar, S. Sarmah	AC conductivity and dielectric spectroscopic studies of polypyrrole-titanium dioxide hybrid nanocomposites	Phys. Stat. Sol. A 208 (9) (2011) 2203	I		
11	S. Banerjee, A. Kumar	Swift heavy ion irradiation induced modifications in the optical band gap and Urbach's tail in polyaniline nanofibers	Nucl. Instr. & Meth. B 269 (2011) 2798	I	1.211	
12	A. Kumar, C. Nath	Electrical Transport in Conducting Polymer Nanostructures,	Int J of Nanotechnol and Applications 5(4) (2011) 395	I		
13	K. Deka, S. Sarmah, A. Kumar	Study of Dielectric and Thermal Properties of Polyaniline-Barium Titanate Nanocomposite	Intl. J. Nanotechnol and Applications 5(4) (2011) 477	I		
14	M. Deka, A. Kumar,	Transport and Electrochemical Properties of PEO/Clay based Nanocomposite Gel Polymer Electrolytes	Intl. J. Nanotechnology and Applications 5(4) (2011) 461-469.	I		
15	S. Sarmah, A. Kumar	Transport Properties of Swift Heavy ion Irradiated PEDOT-DBSA/SnO ₂ Nanocomposites	Intl. J. Nanotechnology and Applications 5(4) (2011) 451	I		
16	S. Sarmah, A. Kumar	Photocatalytic activity of polyaniline-TiO ₂ nanocomposites,	Ind J. Phys 85(5) (2011) 713-	I	0.381	
17	R. Baishya, J. K.	Solution of unpolarized DGLAP	Indian J. Phys	I	0.381	

	Sarma	evolution equations in next-to-next-to leading order by method of characteristics	DOI 10.1007/s12648-012-0022-5 (2011).			
18	U. Jamil, J. K. Sarma	Regge behaviour of structure functions and evolution of gluon structure function upto next-to-leading order at low-x	Indian J. Phys. 85(1) (2011) 141	I	0.381	
19	S.Ghosh, A. Choudhury, J. K. Sarma	Electromagnetic mass and charge in the framework of spinning sphere model of electron	International J. of Applied Phys 1(2) (2011)119	I		
20	J. K. Sarma, S.Ghosh, A. Choudhury.	External magnetic field with different radii of electron and intrinsic properties of electron invoking the spinning sphere model of electron,	Pacific Asian J. of Maths. (PAJM) 5(2) (2011) 109	I		
21	J. K. Sarma, N. M. Nath, N. Baruah	Neutrino-nucleon scattering and $x F_3(x, Q^2)$ structure function from leading order DGLAP evolution equation at small-x	JASS 52(1) (2011) 68	I		
22	J. K. Sarma, S. Ghosh, M. R. Devi, A. Choudhury.	Self Magnetic Field and Current-loop of Electron with Five Different Radii and Intrinsic Properties	J. Applied Phys. (IJAP) 1(2) (2011) 91	I		
23	J K Sarma, S. Ghosh, A. Choudhury	Relations of the electron radii and electron model	International J. Phys. (IJAP) 4(2) (2011) 125	I		
24	S. Borah, N. S. Bhattacharyya	EM transmission response of microstrip notch filter on obliquely magnetized magneto-dielectric substrate in X-band under influence of low magnitude of external DC magnetic field	Progress In Electromagnetics Research M, 21,(2011) 47	I	3.76	
25	J. P. Gogoi, N. S. Bhattacharyya, K.	Synthesis and microwave characterization of expanded	Composites Part B: Engineering, 42,(2011),1291	I	1.7	8

	C. J. Raju	graphite/phenolic resin composite for microwave absorber applications				
26	R.Boruah, P.Nath, D.Mohanta, G.A.Ahmed, A.Choudhury	Thickness Dependent Surface Plasmon Resonance (SPR) Response of Nanodimensional Ag-thin Films	International Journal of Nanotechnology and Applications, 5(4) (2011), 407	I		
27	S.Roy , R. Mahatta N. Barua, A. K. Buragohain, G.A.Ahmed	Monitoring of pathogen carrying air-borne tea dust particles by light scattering	Journal of Quantitative Spectroscopy & Radiative Transfer, 112 (2011) 1784	I	3.193	
28	S. Roy, G.A. Ahmed	Monte Carlo simulation of light scattering from size distributed sub-micron spherical CdS particles in a volume element	Optik, 122 (2011) 1000	I	0.510	
29	S. Baruah, N. Das	Role of shadowing force in formation of 3D dust crystal	Physica Scripta 84, 015507 (2011).	I	0.985	
30	S. Baruah, N. Das	Formation of Coulomb crystal in presence of attractive Overlapping Debye sphere potential	Phys. Plasmas 18, 093702 (2011)	I	2.15	
31	U.Das, D.Mohanta	Evolution of nanoparticles and nanorods: Aspect ratio dependent optoelectronic characteristics	Euro.Phys.J:Appl. Phys., 53(1) (2011) 10602	I	0.771	
32	S.Bayan, D.Mohanta	Effect of 80-MeV Nitrogen ion irradiation on ZnO nanoparticles: Mechanism of selective defect related radiative emission features	Nucl. Instrum.Meth. B 269(3) (2011) 374	I	1.211	
33	S. Bayan, U. Das, D.Mohanta	Peacock feather supported self assembled ZnO nanostructures for tuning photonic properties,	Euro. Phys. J. D, 61 (2) (2011) 463-468.	I	1.476	
34	H. Paul, D.Mohanta	Hydrazine reduced exfoliated graphene/graphene oxide layers and magneto- conductance measurements of Ge-supported graphene layers.	Appl. Phys. A103 (2) (2011) 395	I	1.63	
35	N. Dutta, D.	Synthesis and pore filling mechanism	J. Appl. Phys.	I	2.162	

	Mohanta, A. Choudhury	in anatase TiO ₂ nanostructured network mediated by PbS molecular adsorption	109(9)(2011) 094904			
36	V.B. Kumar, C.E. Sawian, D. Mohanta, S. Baruah, N.S. Islam	Physical and biophysical characteristics of tungsten oxide nanoscale particles and their interaction with human genomic DNA	J. Nanosci. and Nanotechnol., 11 (6) (2011) 4659	I	0.528	
37	A.C. Roy, D.Mohanta	Optimum Mn-doping, effective tetragonality and correlated luminescence characteristics of PbTiO ₃ nanoparticles,	Phil. Mag. Lett. 91 (6) (2011) 423-431.	I	1.51	
38	N.Paul, M.Devi, D.Mohanta	Synthesis, characterization and effect of low energy Ar ion on gadolinium oxide nano-Particles,	Mater. Res. Bull. 46 (8) (2011) 1296	I	2.105	
39	V.B. Kumar, D.Mohanta	Formation of nanoscale tungsten oxide (WO ₃) structures and their coloration characteristics,	Bull. Mater. Sci. 34 (3) (2011) 435	I	0.88	
40	M. Devi, N. Paul, D.Mohanta, A. Saha	Characteristic spectroscopic properties of γ -irradiated rare-earth oxide based ferrofluids,	J. Exp. Nanosci. 6 (in press, 2011)	I	1.011	
41	S. Bayan, D.Mohanta	Defect mediated optical emission of randomly oriented ZnO nanorods and unusual rectifying behavior Schottky nanojunctions	J. Appl. Phys. 110 (5) (in press, 2011)	I	2.162	
42	R. Sarma, D. Mohanta	A comprehensive view on the Brownian motion of quantum dots in electrolytic solution, lipid bilayer and their aggregated state in the lipid biomembrane	J.Compu. & Theo. Nanosci. (Accepted, 2011)	I	0.912	
43	R.Boruah, P.Nath, D.Mohanta, G.A.Ahmed, A.Choudhury	Photonic properties of chemically processed butter fly wings infiltrated with Ag nanoparticles,	Nanosci. & Nanotech. Lett 3 (4) (2011) 1	I	0.528	
44	S. Bayan, D.Mohanta	Interplay of native defect related photoluminescence response of ZnO	Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma	I		

		nanosticks subjected to 80 keV Ar-ion irradiation,	Technology, Vol. 166, No. 11, November 2011, 884–893			
45	Ng. K. Francis N. N.Singh	Quasi-Degenerate Neutrino Masses with Normal and Inverted Hierarchy	Journal of Modern Physics, 2,(2011) 1280	I	0.53	
46	Ng. K. Francis, N. N. Singh	Constraints on the Validity of Neutrino Mass Models through Thermal and Non-Thermal Leptogenesis.,	Int J Appl Phys 1(2)(2011)145	I		
47	P. K. Karmakar	Nonlinear stability of pulsational mode of gravitational collapse in self-gravitating hydrostatically bounded dust molecular cloud	Pramana- J. Phys 76(6),(2011)945	N	0.575	
48	P. K. Karmakar	Nonlinear Gravito-Electrostatic Sheath fluctuation in solar <i>plasma</i>	Phys. Res. Int. 2011(103893), (2011) 1	I		
49	P. K. Karmakar, C. B. Dwivedi,	A numerical characterization of the Gravito-Electrostatic Sheath equilibrium structure in solar plasma	Int. J. Astron. Astrophys 1(2011)210	I		
50	R.Boruah, P.Nath, D.Mohanta, G.A. Ahmed, A.Choudhury	Thickness dependent surface Plasmon resonance (SPR) response	International Journal of Nanotechnology and Applications, 5(4) (2011) 407	I		
51	P. Nath	A novel- fiber optic sensor probe with enhanced sensitivity	Current Science 100(4), (2011) 517	N		
52	A. C. Pradhan, J. Murthy, A. Pathak	Observations of Far Ultraviolet Diffuse Emission from the Small Magellanic Cloud	Astrophys. J. 743,(2011), 80	I	6.024	
53	A. Pathak, A. Candian, P.J. Sarre	Spectroscopy of protonated and deprotonated PAHs" M. Hammonds	EAS Publications Series 46, 2011, 373	I		
54	A. Pathak, A. C. Pradhan, N. V. Sujatha, J. Murthy	Survey of OVI absorption in the Large Magellanic Cloud	Mon. Not. Royal Astron. Soc 412 (2011),1105	I	4.9	
55	D. Borah, U. A. Yajnik	Spontaneous Parity Breaking and Supersymmetry breaking in Metastable vacua with Consistent Cosmology	JHEP 1112 (2011) 072	I	5.831	
56	D. Borah,S. Mishra,	Spontaneous R-parity breaking, Left-Right Symmetry and Consistent	Physical Review D 84 (2011), 055008	I	4.558	

		Cosmology with Transitory Domain Walls,				
57	D. Borah	Supersymmetric Left-Right Models with B-L odd Higgs doublets	International Journal of Modern Physics A 26 (2011) 1305	I	1.053	
58	D. Borah, U. A. Yajnik	Supersymmetric Left-Right Models with Gauge Coupling Unification and Fermion Mass Universality	Physical Review D 83(2011), 095004	I	4.558	
59	D. Borah, S. Patra, U. Sarkar	TeV scale Left-Right symmetry with Spontaneous D-parity breaking,	Physical Review D 83,(2011) 035007	I	4.558	
60	C.R. Mariappan*, C.Yada, F. Rosciano, B. Roling	Correlation between micro-structural properties and ionic Conductivity of $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ge}_{1.5}\text{P}_3\text{O}_{12}$ Ceramics.	J. Power Sources 196 (2011) 6456.	I	4.283	
61	N. Jayaprakash, S. K. Das, L. A. Archer	The rechargeable Aluminium-ion battery	Chem. Communication 47 (2011), 12610 News focus in Science 335,(2012), 163	I	6.169	
62	S. K. Das, S. Mandal, A. J. Bhattacharyya,	Influence of dispersion of uniformly sized mono-functional and bi-functional (“Janus”) silica particles on ionic conductivity, mechanical strength and battery performance of lithium battery salt solutions	Energy and Environmental Science 4,(2011,) 1391	I	9.61	
63	S. K. Das, A. J. Bhattacharyya	Influence of Mesoporosity and Carbon Electronic Wiring on Electrochemical Performance of Anatase Titania	Journal of The Electrochemical Society 158,(2011) A705	I	2.214	
64	S. K. Das, M. Patel, C. Shivakumar, A. J. Bhattacharyya	Anomalously high lithium storage in mesoporous nanoparticulate aggregation of Fe^{3+} doped anatase titania	Journal of The Electrochemical Society 158, 2011 A1290	I	2.214	
65	S. K. Das, A. J. Bhattacharyya	Electrochemical performance of mixed crystallographic phase nanotubes and nanosheets of titania and titania-carbon/silver composites for lithium-ion batteries	Materials Chemistry and Physics 130,(2011) 569	I	2.234	

School of Engineering

Department: Civil Engineering

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
	(See Note 1.)		(Write publisher in italics)	(See Note 2.)	(in 3 rows. See Note 3.)		
1	Saikia ^C , A	Numerical study on screening of surface waves using a pair of softer backfilled trenches	Soil Dynamics and Earthquake Engineering, <i>Elsevier</i>	A	Vol. 65 pp. 206-213 Oct, 2014	1.302	Nil
2	Saikia ^C , A & Das, U K	Analysis and design of open trench barriers in screening steady-state surface vibrations	Earthquake Engineering and Engineering Vibration, <i>Springer</i>	A	Vol. 13 (3) pp. 545-554 Sep, 2014	0.475	2
3	Ahamad ^C , K U & Sonowal, D B & Kumar V & Nikhil N & Medhi N	Study on the impact of pre-sedimentation and consequently optimization of alum dose in water treatment process	Water Practice & Technology, <i>International Water Association</i>	C	Vol. 9 (3) pp. 417-429 2014	Nil	Nil
4	Das ^C , U K	A study on the effect of distorted sampler shoe on standard penetration test result in cohesionless soil	International Journal of Innovative Research in Science, Engineering and Technology, <i>Ess & Ess Research Publication</i>	C	Vol. 3(10) pp. 16654-16658 Oct, 2014	1.682	Nil
(2013-14)							
1	Ahamad ^C , K U & Jawed, M	Breakthrough studies with Mono-, Binary- and Ternary-metal ion systems comprising of Fe(II), F ⁻ and As(III) using river sand packed columns for groundwater treatment	Water and Health, <i>International Water Association</i>	A	Vol. 11 (2) pp. 224-243 2013	1.172	Nil
2	Das ^C , U K & Bhardwaj, B B &	Effect of gradation of fine aggregate on development of hairline cracks in wall	Indian Journal of Applied Research, <i>Sara Publishing</i>	P	Vol. 3 (5) pp. 70-71	0.8215	Nil

	Choudhury, B & Sapkota, G	plaster			May, 2013		
3	Sil, B S & Banerjee, P & Kumar, A & Bui, P J & Saikia, P	Use of Excel-solver as an optimization tool in design of pipe network	International Journal of Hydraulic Engineering, <i>Scientific & Academic Publishing</i>	B	Vol. 2 (4) pp. 59-63 2013	Nil	Nil
(2012-13)							
1	Sil, B S & Choudhury, P	Water-Sediment Flow Models for River Reaches Sediment Related Pollution Control	Journal of Environmental Science and Engineering, <i>CSIR-NEERI</i>	P	Vol. 54 (3) pp. 331-344 July, 2012	Nil	Nil
2	Saikia ^C , A	Vertical stress averaging over a layer depth down the axis of symmetry of uniformly loaded circular regime: An analytical cum graphical solution	International Journal of Geotechnical Engineering, <i>Maney Online in association with J. Ross Publishing</i>	C	Vol. 6 (3) pp. 359-364 July, 2012	Nil	2
3	Ahamad ^C , K U & Jawed, M	Potential of community prepared wooden charcoal of Assam (India) for As(III) removal through batch and continuous column studies	Journal of Water, Sanitation and Hygiene for Development, <i>International Water Association</i> .	C	Vol. 2 (2) pp. 95-102 2012	0.509	Nil
4	Sil, B S & Kumar, A & Saikia, P & Bui, P J & Banerjee, P	Computation of least cost pipe network -An alternate method	International Journal of Computational Engineering Research, <i>jceronline</i>	C	Vol. 3 (2) pp. 137-142 Feb, 2013	1.145	Nil
(2011-12)							
1	Saikia ^C , A	Precisely estimating primary consolidation settlement of homogeneous NC clays with an alternate equation	International Journal of Geotechnical Engineering, <i>Maney Online in association with J. Ross Publishing</i>	C	Vol. 5 (2) pp. 223-227 April, 2011	Nil	Nil
2	Ahamad ^C , K U & Jawed, M	Breakthrough column studies for Iron(II) removal from water by wooden charcoal and sand: A low-cost approach	International Journal of Environmental Research	E	Vol. 5 (11) pp. 127-138 Winter, 2011	1.818	11
3	Ahamad ^C , K U & Jawed, M	Breakthrough studies with Mono- and Binary-metal ion systems comprising of Fe(II) and As(III) using community prepared wooden charcoal packed columns	Desalination, <i>Elsevier</i>	A	Vol. 285 (31) pp. 345-351 Jan, 2012	3.96	10

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
	(See Note 1.)		(Additionally mention Event name if not explicit in the title)	(N, I, R or L)	(in 2 rows. See Note 3.)	
1	Ahamad ^C , K U & Jawed, M	Kinetics, equilibrium and continuous column studies for As(III) removal with river sand of Assam (India)	Proceedings of National Conference on Water, Energy and Biodiversity with special reference to North-East Region (NCWEB2011), Institution of Engineers (India), Tripura State Centre, Agartala (Tripura), India	N	pp. 63-71 Aug, 2011	Nil
2	Das ^C , U K & Saikia, B D	Evaluation of a prediction model for shear strength of unsaturated soils	Proceedings of Indian Geotechnical Conference (IGC 2011) organized by Indian Geotechnical Society from December 15-17, 2011, <i>published by IGC</i>	N	pp. 643-646 Dec, 2011	Nil
3	Das ^C , U K & Saikia, B D	A modified method for stability analysis of unsaturated residual soil hill slopes	Proceedings of International Conference on Environmental Technology and Construction Engineering for Sustainable Development (ICETCESD-2012), SUST, Bangladesh, from March 10-12, 2012, <i>published by ICETCESD-2012</i>	I	pp. 473-476 March, 2012	Nil
4	Das ^C , U K & Saikia, B D	Suction profile of unsaturated residual soil hill slopes of Guwahati	Proceedings of Indian Geotechnical Conference organized by the department of Civil Engineering, I.I.T. Delhi, India from December 13-15, 2012, <i>published by IGC</i>	N	pp. 1049-1052 Dec, 2012	Nil
5	Saikia ^C , A	An empirical design chart to estimate consolidation settlement of NC clays	Proceedings of Indian Geotechnical Conference organized by the department of Civil Engineering, I.I.T. Delhi, India from December 13-15, 2012, <i>published by IGC</i>	N	pp. 1112-1113 Dec, 2012	Nil
6	Saikia ^C , A & Das, U K	Numerical study on vibration isolation using open trenches	Proceedings of Indian Geotechnical Conference organized by the department of Civil Engineering,	N	pp. CD ROM	Nil

			I.I.T. Roorkee, India from December 22-24, 2013, <i>published by IGC</i>		Dec, 2013	
7	Sil, B S & Choudhury, P	Comprehensive assessment of sediment flow in river reaches using multi objective genetic algorithm.	Proceedings of the Fortieth National Conference on Fluid Mechanics and Fluid Power, NIT Hamirpur, Himachal Pradesh, India, December 12-14, 2013.	N	Dec, 2013	Nil
8	Ahamad ^C , K U & Medhi, N & Kumar, V & Nikhil, N	Ground water quality evaluation in a stretch of rural Tezpur, Assam (India)	The 1 st International Forum on Asian Water Environment Technology, organized by Jawaharlal Nehru University, IIT Roorkee, Tezpur University, The University of Tokyo and Asian Institute of Technology & UTokyo in New Delhi.	I	pp. 159-160 Dec, 2013	Nil
9	Ahamad ^C , K U & Medhi, N & Kumar, V & Nikhil, N	Evaluation of quality of drinking water in rural Tezpur, Assam (India)	National seminar on recent trends of research in science and technology, 59 TH annual technical session of Assam Science Society, <i>organized by Assam Science Society</i> .	N	pp. 6-18 March, 2014	Nil
10	Narzary B K & Ahamad ^C , K U	Improvement of soil subgrade using sugarcane bagasse – A low cost approach	National seminar on recent trends of research in science and technology, 59 TH annual technical session of Assam Science Society, <i>organized by Assam Science Society</i> .	N	pp. 55-65 March, 2014	Nil
11	Saikia ^C , A & Dutta, A K & Das, U K	Finite element study on vibration isolation using dual open trench barriers	Proceedings of International Conference on Innovations in Civil Engineering organized by SCMS School of Engineering and Technology , Kerala, India from May 8-9, 2014, <i>published by IOSR Journal of Mechanical and Civil Engineering</i>	I	pp. 20-29 May, 2014	Nil
12	Das ^C , U K	A simple innovative approach for geotechnical exploration of river bank	Proceedings of Indian Geotechnical Conference organized by Indian Geotechnical Society from December 18-20, 2014 at Kakinada, India , <i>published by IGC</i>	N	pp. 386-388 Dec, 2014	Nil

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month- Yr	Citation index
	(See Note 1.)		(Additionally mention Event name if not explicit in the title)	(N, I, R or L)	(in 2 rows. See Note 3.)	
1	Baruah A& Bez ^C , R & Das U K	Effect of over-used sampler shoe on standard penetration test results	Proceedings of NES Geo-Congress 2013 organised by Dept. of Civil Engg., AEC and Indian Geotechnical Society (NE Chapter), Guwahati, September 28, 2013	R	pp. 139-144 Sep, 2013	Nil

D. Chapters in Books: NIL**E. Books and Monographs: NIL**

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Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Debasish Das, Utpal Sharma, D. K. Bhattacharyya	Detection of Cross-Site Scripting Attack under Multiple Scenarios	The Computer Journal		58-4 808-822 4-2015	0.888	
2	Tahleen A. Rahman, Dhruva K. Bhattacharyya	TDAC: co-expressed gene pattern finding using attribute clustering	International Journal of Bioinformatics Research and Applications		11-1 45-71 2015		
3	Monowar H. Bhuyan, D. K. Bhattacharyya, Jugal K. Kalita	An empirical evaluation of information metrics for low-rate and high-rate DDoS attack detection	Pattern Recognition Letters (<i>Elsevier</i>)		51 1-7 1-2015	1.266	2
4	N Agarwal, HA Ahmed, DK Bhattacharyya	Non-exclusive Clustering: A Partitioning Approach	in the Proc of Emerging Information Technology and Engineering Solutions (EITES)		Pp 7-12, 2015		
5	M. Dutta, S.S. Satapathy	Selection on GGU and CGU codons in the high expression genes in bacteria,	J. Mol.		Evol 2014;78(1):1 3-23		
6	M. Dutta, S.S. Satapathy	Constraint on di-nucleotides by codon usage bias in bacterial genomes	Gene		2014;536:18 –28		
7	Ahmed, H., Mahanta, P., Bhattacharyya, D., & Kalita, J.	Shifting-and-scaling Correlation based Biclustering Algorithm,	IEEE/ACM Transactions on Computational and Bioinformatics,		11-6 1239-1251 12-2014		
8	Hoque, N., Bhattacharyya, D. K., & Kalita, J. K.	MIFS-ND: A mutual information-based feature selection method	Expert Systems with Applications (<i>Elsevier</i>)		41-14 6371-6385 2014	2.254	
9	Mahanta, P., Ahmed, H. A., Bhattacharyya, D. K., &	FUMET: A fuzzy network module extraction technique for gene	Journal of Bioscience (<i>Springer</i>)		39-3 351-364	1.759	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Ghosh, A	expression data			6-2014		
10	Roy, S., Bhattacharyya, D. K., & Kalita, J. K.	Reconstruction of gene co-expression network from microarray data using local expression patterns	<i>BMC Bioinformatics</i> ,		15 1-14 5-2014	2.67	
11	Hoque, N., Bhuyan, M. H., Baishya, R. C., Bhattacharyya, D. K., & Kalita, J. K. (2014).	Network attacks: Taxonomy, tools and systems. J	Journal of Network and Computer Applications (<i>Elsevier</i>)		40(2014), 307-324,		
12	Bhuyan, M. H., Bhattacharyya, D. K., & Kalita, J. K.	Towards an unsupervised method for network anomaly detection in large datasets.	Computing and Informatics		33-1 1-34 2014		
13	Gogoi, M., & Bhattacharyya, D. K.	Fusion of Fingerprint and Iris Biometrics Using Binary Ant Colony Optimization.	In Proceedings of the Third International Conference on Soft Computing for Problem Solving Springer India		pp. 601-613). 1-2014		
14	Baishya, R. C., Sarmah, R., Bhattacharyya, D. K., & Dutta, M. A. (2014)	A Similarity Measure for Clustering Gene Expression Data	<i>Applied Algorithms</i> , Lecture Notes On Computer Science (Springer)		Vol. 8321 pp 245-256 2014		
15	Borah, P., Ahmed, H. A., & Bhattacharyya, D. K. (2014)	A statistical feature selection technique.	Network Modeling Analysis in Health Informatics and Bioinformatics (<i>Springer</i>)		3-1, 1-13 3-2014		
16	Saharia Navanath and Sharma Utpal and Kalita Jugal	Stemming resource-poor Indian languages.	ACM Transactions of Asian Language Information Processing (TALIP),		13-3, 14.1-14.26 9, 2014		
17	Sharma Padmaja, Sharma	Named Entity Recognition In	I International		15-18		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Utpal, Kalita Jugal	Assamese using CRFs and Rules .	Conference on Asian Language Processing (IALP) 2014, Kuching, Sarawak, Malayasia		10, 2014		
18	I Hussain, Z I Ahmed, N Sarma and D K Saikia	A QoS-aware Dynamic Bandwidth Allocation Scheme for Multi-hop WiFi-based Long Distance Networks	EURASIP Journal on Wireless Communications and Networking, April 2015		accepted for publication		
19	A Roy and N Sarma	Performance Analysis of Energy-Efficient MAC Protocols for Underwater Sensor Networks	in the proc. of the INDIACom 2015, March 11-13, 2015, New Delhi, India. ISSN 0973-7529				
20	N H Sultan and N Sarma	PAPAR: Pairing based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks	in the proc. of The 13th International Conference on Information Technology 2014 (ICIT 2014), Bhubaneswar, India		pp. 155-160, 12-2014		
21	S K Deka, P Chauhan and N Sarma	Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks	in the proc. of The 13 th International Conference on Information Technology 2014 (ICIT 2014), Bhubaneswar, India. (Awarded with Amiya K Pujari Best Paper Award for ICIT 2014).		pp. 63-68 12-2014		
22	I Hussain, Z I Ahmed, D K Saikia and N Sarma	A Tightly Synchronized TDMA MAC Protocol for Multi-hop WiFi-based Long Distance Networks	in the proc. of The Sixth International Conference on Ubiquitous and Future		543-548 7-2014		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Networks 2014 (ICUFN 2014), Shanghai, China.				
23	A. Singla and S. Patra	A context sensitive thresholding technique for automatic image segmentation”, LNCS, Burla,	<i>Int. Conf. on Computational Intelligence in Data Mining (ICCIDM-14)</i> , India		2014, December		
24	S. Patra and L. Bruzzone	A rough set based band selection technique for the analysis of hyperspectral imagery”,	<i>IEEE International Geoscience and Remote Sensing Symposium</i> , Milan, Italy,		accepted		
25	S. Patra, P. Modi and L. Bruzzone	Hyperspectral band selection based on rough set	IEEE Transactions on Geoscience and Remote Sensing	A, B, C, D, P	In press, 2015	2.933	
26	Sanghamitra Nath, Utpal Sharma	An analysis of the vowels and diphthongs of the Assamese language and its Nalbaria variety”,	in proc. Of International Conference on Computing and Communication Systems, Publisher: IGI Global USA,		(I3CS'15), April 9-10,2015, ISBN:978-1-4799-5857-01		
27	D Boro and D K Bhattacharyya	Improving KNN performance for ensemble classification using Particle Swarm Optimization,	In Proc of CCSN'14,		pp. 77-82 12-2014		
28	Goswami, R., Bhattacharyya, D.K., Dutta, M. and Kalita J.K	Approaches and Issues in View Selection for Materializing in Data Warehouse	<i>International Journal of Business Information Systems</i> , (in press) (2014)				
29	Deka, S. K., Chauhan, P. and Sarma, N.	Threshold Adaptive Cooperative Spectrum Sensing for Ad-hoc Cognitive Radio Networks	<i>IEEE Transactions on Control of Network Systems</i>		Communicated	2.52	
30	Baruah, R. and Hazarika, S. M	Qualitative Directions in Egocentric and Allocentric Spatial Reference	International Journal of Computer Information		6(2014) 344-354		2

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Frames	Systems and Industrial Management Applications				
31	Das, D ^C & Saharia, S	Human Gait Analysis and Recognition using Support Vector Machines	International Journal of Computer Science & Information Technology, AIRCC Publishing Corporation		Vol. 6 No. 5 pp. 187-195 2014		1
32	Madhuleena Das and Bhogeswar Borah	Biclustering of Gene Expression Data using a Two-Phase Method	International Journal of Computer Applications (0975 – 8887)	C, E	103-13 6-10 10-2014	0.715	
33	S. K. Chettri and B. Borah	<i>On Analysis of Time Series Data with Preserved Privacy</i>	Special issue on “Advances in Information Systems and Network Systems Security”, ISSE Journal, Springer (A NASA Journal)		Under review		
34	Deka, S. K. and Sarma, N	A Distributed Power Allocation Technique for Multiuser Ad-hoc Cognitive Radio Networks	Ad Hoc Networks (Elsevier)		Communicated	1.943	
35	Yarnagula, H. K., Deka, S. K., Sarma, N.	A Cross-Layer based Location Aware Forwarding using Distributed TDMA MAC for Ad-Hoc Cognitive Radio Networks	Wireless Personal Communications, Springer		under review	0.979	
(2013-14)							
1	N. Hoque, B. Nath, M. Dutta	A comparative study on Rare Association Rule Mining	Periodic Research, Social research foundation	P	2-2 46-50 2013	3.474	2
2	Rosy Sarmah	Gene Expression Data Clustering using a Fuzzy Link based Approach	International Journal of Computer Information Systems and Industrial		ISSN No. 2150-7988, 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Management (IJCISIM),				
3	M H Bhuyan, D K Bhattacharyya and J K Kalita	Towards an unsupervised method for network anomaly detection in large datasets	<i>Journal of Computing and Informatics</i> (SCI),		33-1 2-2014		
4	Dutta, M., Nath, B. and Hoque N.	A Brief Survey on Rare Association Rule Mining,	International Journal of Information Analysis and Processing		Vol 5, No 1, pp. 78-82, 2012		
5	S. S. Satapathy, M. Dutta, A.K.Buragohain and S.K.Ray	Transfer RNA gene numbers may not be completely responsible for the codon usage bias in asparagine, isoleucine, phenylalanine and tyrosine in the high expression genes in bacteria	J Mol.		Evol., 75:34-42. 2012		
6	Sarmah A.K., Sinha, S. K., Hazarika S.M	A new pattern-based flexible approach for maintaining a constrained workflow.	International Journal of Software Engineering and Knowledge Engineering		24-1 139-161 2-2014		
7	Kalita N. J., Saharia N., Sinha S. K	Morphological Analysis of the Bishnupriya Manipuri Language using Finite-State Transducers,	15 th Int. Conference on Computational Linguistics, CICLing, 2014, LNCS 8403, Springer, pp 206-13				
8	Kalita N. J., Saharia N., Sinha S. K	Towards the Development of a Bishnupriya Manipuri Corpus,	National Conference on Recent trends and Techniques in Computer Science, Boroland University, India		2013		
9	Muchahari M., Sinha S. K.	A New Trust Management Architecture in Cloud Computing,	ISCOS-13, IEEE				
10	Sharma, A., Sinha, S. K. and Hazarika, S. M	Formal Concept Analysis: Current Trends and Directions. <i>Artificial Intelligence Review</i> . Online first:	Springer.		09 May 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
11	Muchahari M., Sinha S. K.	A survey on Web Services and Trust in Cloud Computing Env,	National Workshop on Network Security(NWNS13),Tezpur University		2013		
12	Sarmah, A.K., Hazarika S.M., Sinha, S.K	Composing and Maintaining a Pattern-Based Workflow as a Constraint Graph.	In Proceedings of ISCOS 2012, Published by IEEE Society.		December 17th – 18th 2012, NIT Suratkal ; 146-151;		
13	Sarmah, A.K., Sinha S.K., Hazarika, S.M	Constraint propagation in workflow - a pattern based approach.	In: Proceedings of National Conference in Machine Intelligence, Narosa		(2011) 134–143.		
14	Baruah, U. and Hazarika, S. M.	A Dataset of Online Handwritten Assamese Characters.	<i>Journal of Information Processing Systems</i>		1-17 2014		
15	Kakoty, N. M., Saikia, A. and Hazarika, S. M	Exploring a Family o f Wavelet Transforms for EMG based Grasp Recognition.	Signal, Image and Video Processing, Springer		9-3 553-559 3-2013		4
16	Kakoty, N. M. and Hazarika, S. M.	Towards Electromyogram based Gra sps Classification.	<i>International Journal of Biomechatronics and Biomed ical Robotics.</i>		3-2 63-73 2014		
17	Sharma, A., Sinha, S. K. and Hazarika, S. M	Formal Concept Analys is: Current Trends and Directions.	<i>Artificial Intelligence Revie</i> , Springer.		Online first: 09 May 2013		
18	Kakoty, N. M. and Hazarika, S. M.	Development of an electromyographic controlled biomimetic prosthetic hand.	International Journal of Computational Vision and Robotics		4(1), pp. 115-133. Inderscience. 2014		
19	Kakoty, N. M. and Hazarika, S. M. (2013)	A Two Layered Control Architecture for Prosthetic Grasping.	<i>Paladyn. Journal of Behavioural Robotics.</i> 4(1). Springer				
20	Kakoty, N. M. and Hazarika, S. M. (2013):	A Biomimetic Similarity Index for Prosthetic Hands.	IEEE Symposium on Computational		April 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Intelligence in Rehabilitation and Assistive Technologies CIRAT 2013, Singapore,				
21	Baruah, R. and Hazarika, S. M. (2013):	A Framework For Recognition of Motion Events Using Qualitative Knowledge .	3rd IEEE International Advance Computing Conference IACC-2013, New Delhi, India		February 2013		
22	Binong, J. and Hazarika, S. M. (2013):	Completion of Qualitative Spatio-temporal Explanations Using Context.	3rd IEEE International Advance Computing Conference IACC-2013, New Delhi, India,		February 2013		
23	Pranjit Das, Deepjoy Das, Sarat Saharia	Gait Analysis and Recognition for Human Identification”,	International Journal of Electronics and Applied Research (IJEAR),		1-1 45-54 2014		
24	D. Das, S. Saharia	Implementation and Performance Evaluation of Background Subtraction Algorithms,"	International Journal of Computational Sciences and Applications (IJCSA),		Vol 4, No 2, pp 49-55, 2014		4
25	Sarma Himangshu, Saharia Navanath, Sharma Utpal	<i>Development of Assamese Speech Corpus and Automatic Transcription Using HTK.</i>	Advances in Intelligent Systems and Computing, Springer Link,		Volume 264, 2014, pp 119-132, March 2014		
26	Sanghamitra Nath, Himangshu Sarma, Utpal Sharma	<i>Assamese Dialect Translation System- A preliminary proposal.</i>	International Conference On Natural Language Processing And Cognitive Computing (ICONACC)-2014, Manipur Univ., Imphal		March 10 - 12, 2014		
27	Sanghamitra Nath,	<i>A preliminary study on the VOT</i>	Computational		542-552		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Himangshu Sarma, Utpal Sharma	<i>patterns of the Assamese language and its Nalbaria variety</i> . Lecture Notes in Computer Science	Linguistics and Intelligent Text Processing, Lecture Notes in Computer Science (LNCS)8404. 15th International Conference, CICLing 2014, Kathmandu, Nepal		4, 2014		
28	B C Chatterjee, N Sarma and P PSahu	A QoS-aware wavelength assignment scheme for Optical Networks,	Optik - Int. J. Light Electron Opt.		Vol. 124, no 20, PP.4498-4501, Oct,2013		
29	S. Kr. Deka, N. Sarma and Hema Kr. Yarnagula	A power allocation strategy for Underlay cognitive Radio Networks	NWCDMA		2014		
30	N Medhi, N Sarma, A Kachari, K Medhi and S Bhattacharjee	Optimized Cooperative LEACH MISO in Wireless Sensor Networks”,	Int’l Journal of Computer Applications in Engineering Sciences (IJCAES),		Special Issue, Vol. III, pp.197-204, Nov,2013		
31	H K Yarnagula, S K Deka and N. Sarma	Distributed TDMA based MAC Protocol for Data Dissemination in Ad-Hoc Cognitive Radio Networks”,	IEEE Int’l Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS), Chennai, India		15-18 December, 2013,		
32	I Hussain, D K Saikia, N Sarma and N Ahmed	A Fine-tuned packet scheduling for WiFi based Long Distance Networks”,	IEEE Sponsored Int’l Conference on Applications and Innovations in Mobile Computing (AIMoC) Kolkata, India		2014, pp. 97-103, February 27 – March 1, 2014,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
33	I Hussain, Z I Ahmed, D K Saikia and N Sarma	A Tightly Synchronized TDMA MAC Protocol for Multi-hop WiFi-based Long Distance Networks",	Proc. Of The Sixth International Conference on Ubiquitous and Future Networks 2014 (ICUFN 2014), Shanghai, China		July 8-11, 2014,		
34	I Hussain, N Sarma and D K Saikia	TDMA MAC Protocols for WiFi-based Long Distance Networks: A Survey",	International Journal of Computer Applications	C, E	94(19): 1-8, May 2014	0.715	
35	S. K. Chettri and B. Borah	<i>Privacy Preservation of Time Series Data Using Discrete Wavelet Transforms" I</i>	Smart Innovation, Systems and Technologies, Springer-Verlag, Berlin Heidelberg,		2014 (@SCOPUS) . ISSN: 2190-3018		
36	Rustam Ali Ahmed and Bhogeswar Borah	Triangle wise Mapping Technique to Transform one Face Image into Another Face Image,	International Journal of Computer Applications	C, E	(0975 8887), Volume 87 - No. 6, February 2014, pp 1-8	0.715	
37	Gogoi, P., Bhattacharyya, D. K., Borah, B., & Kalita, J. K. (2014)	MLH-IDS: A Multi-Level Hybrid Intrusion Detection Method.	The Computer Journal (Oxford University Press)	A, E	57-4 602-623 4-2014	0.888	4
38	Bhuyan, M. H., Kashyap, H. J., Bhattacharyya, D. K., & Kalita, J. K.	Detecting Distributed Denial of Service Attacks: Methods, Tools and Future Directions.	The Computer Journal (Oxford University Press)	A, E	57-4 537-556 4-2014	0.888	
39	Pritpal Singh and Bhogeswar Borah	An efficient time series forecasting model based on fuzzy time series,	Engineering Applications of Artificial Intelligence (Elsevier)	A, E	26-10 2443–2457 11-2013	1.962	5
40	S. K. Das, B. Borah	A Density-Based Micro Aggregation Technique For Privacy-Preserving Data Mining,	IJRET:International Journal of Research in Engineering and	C, E	Volume: 02 Special Issue: 02	2.375	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Technology		Dec-2013, pp. 92-97		
41	Pritpal Singh and Bhogeswar Borah	Forecasting stock index price based on M- factors fuzzy time series and particle swarm optimization,	International Journal of Approximate Reasoning(eSAT Publishing House Pvt. Ltd.)	A, E	55-3, 812–833 3- 2014,	1.977	4
42	H. R. Singh, A. Neelima, L. S. Singh, S. I. Singh	A Model of Computing Trust in Web Based Social Network Using New Aggregation and Concatenation Operators,	IJCSN International Journal of Computer Science and Network,		Volume 2, Issue 4, August 2013 ISSN (Online) : 2277-5420		
43	N. Hoque, B. Nath, M. Dutta	A comparative study on Rare Association Rule Mining	Periodic Research (Social research foundation)		Vol. 2, No. 2, pp. 46-50, 2013		
44	S. K. Ray, V. J. Baruah, S. S. Satapathy and R.Banarjee	Co-translational protein folding is revealing the selective use of synonymous codons along the coding sequence of a low expression gene”,	Journal of Genetics		2014		
45	S. S. Satapathy, B. R .Powdel, M. Dutta, A.K.Buragohain and S.K.Ray	Selection on GGU and CGU codons in the high expression genes in bacteria”,	J Mol. Evol.,		78 13–23 2014	2.145	
46	S. S. Satapathy, B. R. Powdel, M. Dutta, A.K.Buragohain and S.K.Ray	Constraint on di-nucleotides by codon usage bias in bacterial genomes	Gene		536 18–28 2014	2.196	
47	Hema Kr. Yarnagula, S. Kr. Deka and N Sarma	Distributed TDMA based MAC protocol for data dissemination in Ad-Hoc Cognitive Radio Networks,	IEEE ANTS		2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Proceedings of Intl. conf.,					
48	S K Deka and N Sarma	A Review on Security Vulnerabilities in Cognitive Radio Networks”,	National Workshop on Network Security(NWNS 2013),		pp. 158-1174, Tezpur, India, 15-16 March, 2013		
49	Rosy Sarmah	Gene Expression Data Clustering using a Fuzzy Link based Approach,	International Journal of Computer Information Systems and Industrial Management (IJCISIM),		ISSN No. 2150-7988, Vol. 5, pp. 532-541, 2013. (indexed).		
50	Ram Charan Baishya, Rosy Das Sarmah, Dhruba Kumar Bhattacharyya, Malayananda Dutta	A Similarity Measure for Clustering Gene Expression Data.			ICAA 2014: 245-256		
51	B Chutia, D Boro and D K Bhattacharyya	Optimal feature subset selection using multilevel hybrid Model	in the Proceedings (Elsevier) of CNC'13				
52	A. Podder, S. Das, D. Dash, and A. Karmakar	Maintaining Connected Dominating Set in Wireless Sensor Network on Sensor Failure	National Works. and Conf. on Discrete Mathematics and its Applications, Kolkata, India		Mar 2014		
53	Dusshyanta Dutta, Arindam Karmakar, Dilip K. Saika	Determining Duty Cycle and Beacon Interval with Energy Efficiency and QoS for Low Traffic IEEE 802.15.4/ZigBee Wireless Sensor Networks,	ICACNI 2014				
54	Halim Masuk H. Hazarika, Gaurav P. Gogoi, Poroj Bhuyan, Arindam Karmakar and Shyamanta	Mapping rectilinear environments using a single camera,	NWCDMA 2014				

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	M. Hazarika						
55	Sanghamitra Nath, Himangshu Sarma, Utpal Sharma	A Preliminary Study on the VOT Patterns of the Assamese Language and its Nalbaria Variety,	Springer		LNCS, Vol.8404, 2014		
56	Sanghamitra Nath, Himangshu Sarma, Utpal Sharma	Dialect Translation System-A preliminary proposa,	International Journal on natural Language Computing, AIRC. (accepted)				
57	S. Patra, R. Gautam and A. Singla	A novel context sensitive multilevel thresholding for image segmentation”,	Applied Soft Computing,	A,B,C,D ,E,P	23 122-127 6-2014	2.140	2
58	A. Singla, S. Patra and L. Bruzzone	A novel classification technique based on progressive transductive SVM learning	Pattern Recognition Letters (<i>Elsevier</i>)	A, B, C, D, P	vol. 42, pp. 101-106, March 2014,	1.266	
59	S. Patra and L. Bruzzone	A novel SOM-SVM based active learning technique for remote sensing image classification	IEEE Transactions on Geoscience and Remote Sensing (<i>IEEE</i>)	A, B, C, D	52-11 6899-6910 3-2014	2.933	1
(2012-13)							
1	S.S.Satapathy, M. Dutta, A.K.Buragohain and S.K.Ray	Transfer RNA gene numbers may not be completely responsible for the codon usage bias in asparagine, isoleucine, phenylalanine and tyrosine in the high expression genes in bacteria	J Mol. Evol.,		75:34-42. 2012		
2	Dutta, M., Nath, B. and Hoque	N. A Brief Survey on Rare Association Rule Mining,	International Journal of Information Analysis and Processing		2012 (Accepted for publication)		
3	G Priyadarshini, R Das, D K Bhattacharyya and J K Kalita	An Effective Graph based Clustering Technique to Indentify Coherent Patterns from Gene Expression Data	J. Bioinformatics Research and Applications, Inderscience,		Vol. 8, Nos. 1-2, pages 18-37, 2012 [DOI: 10.1504/IJB		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
					RA.2012.045 974]		
4	S Roy and D K Bhattacharyya	Mining Strongly Correlated Item pairs in Large Transaction Databases	Int'nl Journal of Data Mining, Modelling and Management (IJDMMM),		vol 4, no 6, 2012 (in press).		
5	P Gogoi, R Das, B Borah, and D K Bhattacharyya	Efficient Rule Set Generation using Rough Set Theory for Classification of High Dimensional Data	Int'nl Journal of Smart Sensors and Ad Hoc Networks (IJSSAN)		Vol 1, issue 2, 2012 [ISSN No. 2248-9738]		
6	M H Bhuyan, D K Bhattacharyy and J K Kalita	AOCD: An Adaptive Outlier Based Coordinated Scan Detection Approach	Int'nl Journal of Network Security , USA		Vol. 14, No. 6, 2012, pp. 339-351		
7	D Chutia, D K Bhattacharyya and S Sudhakar	Effective Feature Extraction Approach for Fused Images of Cartosat-I and Landsat ETM+ Satellite Sensors	Applied Geometrics , Springer,		2012 (DOI: 10.1007/s12518-012-0088-y).		
8	Kakoty, N. M. and Hazarika, S. M.	Electromyographic Grasp Recognition for a Five Fingered Robotic Hand.	International Journal of Robotics and Automation		2012 (IJRA) Vol. 2, No. 1. IAES.		
9	Hazarika, S. M. and Bhowmick, A	Learning rules of a card game from video	. Artificial Intelligence Review. Springer		Vol. 38, No. 1 (2012)		
10	D Boro, B Nongpoh and D K Bhattacharyya	Anomaly based intrusion detection using meta ensemble classifier, in the ACM	Proc of SIN' Jaipur, India		12, October 25-27, 2012,		
11	B Nath, D K Bhattacharyya and A Ghosh	Incremental Association Rule Mining: A Survey	DMKD, Wiley	A, C, D	Vol. 3, No.3, pp. 157-169, 2013	1.743	11
12	B Borah and D K Bhattacharyya	EMDAV: A Variable-Size Microaggregation Technique for Privacy Preservation	Information Assurance and Security Letters,		Vol 2, pp 13-18, 2011, USA.		
13	H A Ahmed, P Mahanta, D	Module Extraction from Subspace	Int'nl journal of		December		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	K Bhattacharyya and J K Kalita	Co-expression Network	Network Modeling Analysis in Health Informatics and Bioinformatics (NetMAHIB), Springer,		2012, Volume 1, Issue 4, pp 183-195 (DOI 10.1007/s13721-012-0018-2).		
14	H A Ahmed, P Mahanta, D K Bhattacharyya, J K Kalita and A Ghosh	Intersected Coexpressed Subcube Miner: An effective triclustering algorithm	Int'nl Journal of Computer Information Systems and Industrial Management (IJCISIM),		2012.		
15	D Das, U Sharma and D K Bhattacharyya	Rule based Detection of SQL Injection Attack	International Journal of Computer Applications, (Foundation of Computer Science, USA)	C, E	vol 43, no 19, pp 15-24, April 2012 (ISBN: 973-93-80867-67-0).	0.715	
16	A. Mira, D.K. Bhattacharyya and S. Saharia	RODHA: Robust Outlier Detection using Hybrid Approach	American Journal of Intelligent Systems,.		vol 2, no 5, 2012		
17	Priyakshi Mahanta, Hasin A Ahmed, Dhruba K Bhattacharyya, Jugal K Kalita	An effective method for network module extraction from microarray data	BMC Bioinformatics,		13(Suppl 13):S4, 2012 (http://www.biomedcentral.com/1471-2105/13/S13/S4).		
18	H A Ahmed, P Mahanta, D K Bhattacharyya and J K Kalita	Autotuned Multilevel Clustering of Gene Expression Data	American Journal of Bioinformatics Research,		Vol 2, No 5, September 2012.		
19	N Hoque, B Nath and D K	A New Approach on Rare	Int'nl Journal of		vol 53, no 3,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Bhattacharyya	Association Rule Mining	Computer Applications Foundation of Computer Sc., New York, USA.		pp 1-6, September 2012,		
20	M H Bhuyan, D K Bhattacharyya and J K Kalita	Towards an unsupervised method for network anomaly detection in large datasets	in <i>Journal of Computing and Informatics</i> (SCI),		2013		
21	S Roy, D K Bhattacharyya and J K Kalita	<i>CoBi: Pattern based Co-regulated Biclustering of Gene Expression Data</i>	Pattern Recognition Letter, Elsevier.				
22	B C Chatterjee, N Sarma and P P Sahu	Priority based Routing and Wavelength Assignment with Traffic Grooming for Optical Networks	Journal of Optical Communications and Networking		Vol. 4, no. 6, pp. 480–489, June, 2012.	1.872	
23	B C Chatterjee, N Sarma and P P Sahu	Review and Performance Analysis on Routing and Wavelength Assignment Approaches for Optical Networks	IETE Technical Review,		Vol. 30, No. 1, pp. 59-70, January- February 2013.	0.724	
24	B C Chatterjee, N Sarma and P P Sahu	Priority based Dispersion-reduced Wavelength Assignment for Optical Networks	IEEE/OSA Journal of Lightwave Technology,		vol. 31, no.2, pp.257-263, January, 2013	2.784	
25	B C Chatterjee, N Sarma and P P Sahu	A QoS-aware wavelength assignment scheme for Optical Networks	Optik - Int. J. Light Electron Opt.,		2013.	0.510	
26	Das, D., Sharma, U., & Bhattacharyya, D. K.	Detection of Cross-Site Scripting Attack under Multiple Scenarios.	<i>The Computer Journal</i> , bxt133	A, E	2013	0.888	
27	Roy, S., Bhattacharyya, D. K., & Kalita, J. K. (2013).	CoBi: Pattern based co-regulated biclustering of gene expression data	Pattern Recognition Letters (<i>Elsevier</i>)	A, B, C, D	34(14), 1669-1678	1.266	
28	Nagi, S., & Bhattacharyya, D. K.	Classification of microarray cancer data using ensemble approach.	Network Modeling Analysis in Health Informatics and		2(3), 159- 173.		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Bioinformatics,				
29	Nagi, S., Bhattacharyya, D. K., & Kalita, J. K.	A Preview on Subspace Clustering of High Dimensional Data.	<i>International Journal of Computers and Technology</i> ,		6(3), 441-448		
30	Nath, B., Bhattacharyya, D. K., & Ghosh, A.	Incremental association rule mining: a survey.	<i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i>		, 3(3), 157-169		
31	Roy, S., Das, D., Choudhury, D., Gohain, G. G., Sharma, R., & Bhattacharyya, D. K.	Causality Inference Techniques for In-Silico Gene Regulatory Network.	<i>Mining Intelligence and Knowledge Exploration</i> Springer International Publishing		(pp. 432-443).		
32	Goswami, R., Bhattacharyya, D. K., & Dutta, M.	Multiobjective Differential Evolution Algorithm Using Binary Encoded Data in Selecting Views for Materializing in Data Warehouse.	<i>In Swarm, Evolutionary, and Memetic Computing</i> , Springer International Publishing.		(pp. 95-106).		
33	Mahanta, P., Bhattacharyya, D. K., & Ghosh, A.	A Subspace Module Extraction Technique for Gene Expression Data.	<i>In Pattern Recognition and Machine Intelligence</i> Springer Berlin Heidelberg		(pp. 635-640).		
34	Bhuyan, M., Bhattacharyya, D., & Kalita, J.	Network anomaly detection: methods, systems and tools	Ieee Communications Surveys & Tutorials		Vol. 16, No. 1 303-336 2013		
35	Gogoi, P., Borah, B., & Bhattacharyya, D. K.	Network Anomaly Identification using Supervised Classifier	<i>Informatica (Slovenian Society Informatika)</i>	C, D, E	37-1 93-105 2013	0.901	3
36	Gogoi, P., Bhattacharyya, D. K., & Kalita, J. K.	A rough set-based effective rule generation method for classification with an application in intrusion detection.	<i>International Journal of Security and Networks</i>		, 8(2), 61-71.		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
37	Hoque, N., Nath, B., & Bhattacharyya, D. K.	An Efficient Approach on Rare Association Rule Mining.	In Proc. of Seventh International Conference on Bio-Inspired Computing: Theories and Applications Springer India		(BIC-TA 2012) (pp. 193-203).		
38	Roy, S., & Bhattacharyya, D. K.	Mining strongly correlated item pairs in large transaction databases.,	<i>International Journal of Data Mining, Modelling and Management</i>		5(1), 76-96.		
39	Hazarika, S. M. and Bhowmick, A	Learning rules of a card game from video.	<i>Artificial Intelligence Review. Springer</i>		38(1), pp. 55-65.		
40	Kakoty, N. M. and Hazarika, S. M.	A Biomimetic Similarity Index for Prosthetic Hands. IEEE Symposium on Computational Intelligence	Rehabilitation and Assistive Technologies CIRAT 2013, Singapore,		April 2013		
41	Sarma, A., Hazarika, S. M. and Sinka, S. K.	Composing and Maintaining a Pattern-Based Workflow as a Constraint Graph International Symposium for Cloud and IT Services, 2012	ISCOS Mangalore, India,		2012, December		
42	Hazarika, S. M., Saikia, A., Bordoloi, S., Sharma, U. and Kotoky, N.	Brain Computer Interface as Sensor for Ambient Intelligent Living: A Position Paper..	Proc. of International Conference on Intelligent Infrastructure: 47th Annual National Convention of CSI		December 2012		
43	Baruah, R. and Hazarika, S. M.	Qualitative Directions in Egocentric Spatial Reference Frame.	12 th International Conference on Intelligent Systems Design and Applications, ISDA		November 2012		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			2012. Kochi, India,				
44	Choudhary, S. K., Chakraborty, D., Kakoty, N. M. and Hazarika, S. M.	Development of Cost Effective EMG Controlled Three Fingered Robotic Hand.	Proc. of IEEE 3rd International Conference on Computer and Communication Technology. ICCCT-2012,		November 2012		
45	A. Mira, D. K. Bhattacharyya, S. Saharia	RODHA: Robust Outlier Detection using Hybrid Approach,"	American Journal of Intelligent Systems		2012, Vol 2, No 5, pp 129-140		
46	Saharia Navanath and Sharma Utpal and Kalita Jugal	<i>Analysis and evaluation of stemming algorithms: a case study with Assamese.</i>	Proceedings of the International Conference on Advances in Computing, Communications and Informatics (ICACCI '12), Chennai, August 2012.		Pages 842-846		
47	B C Chatterjee, N Sarma and P P Sahu	A heuristic priority based wavelength assignment scheme for optical networks",	Optik - Int. J. Light Electron Opt.		Vol. 123, No. 17, pp.1505-1510, Sep, 2012		
48	A Roy and N Sarma	Performance Evaluation of Synchronous Energy Efficient MAC Protocols for Wireless Sensor Networks",	2nd International Conference on Communication, Computing & Security (ICCCS2012), Procedia Technology, Rourkela, India		vol. 6, pp.806-813, 6-8 October, 2012,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
49	N Medhi and N Sarma	Mobility Aided Cooperative MIMO Transmission in Wireless Sensor Networks”,	in the proc. of the 2nd International Conference on Communication, Computing & Security (ICCCS2012), Procedia Technology, Rourkela, India		vol. 6, pp. 362-370, 6-8 October, 2012,		
50	S K Deka and N Sarma	Channel-Usage Model in Underlay Cognitive Radio Networks”,	in the Proc. Of the 4 th International Conference on Networks and Communications (NETCOM 2012, 22-, Chennai, India		24 December, 2012		
51	N Medhi, N Sarma and A Mira	Cooperative MIMO in Wireless Sensor Networks with Mobile Sensors for Cooperativeness and Data Aggregation”	in the proc. of IEEE INDICON 2012, , Kochi, India		pp.251-256, December 7-9, 2012		
52	B C Chatterjee, N Sarma and P P Sahu	Review and Performance Analysis on Routing and Wavelength Assignment Approaches for Optical Networks”,	IETE Technical Review,		Vol. 30, No. 1, pp. 59-70, Jan-Feb 2013		
53	B C Chatterjee, N Sarma and P P Sahu	Priority based Dispersion-reduced Wavelength Assignment for Optical Networks”,	IEEE/OSA Journal of Lightwave Technology,		vol. 31, no.2, pp.257-263, Jan, 2013		
54	S. K. Chettri and B. Borah	An Efficient Microaggregation Method for Protecting Mixed Data”,	In the Proceedings of the Fourth International Conference on Networks & Communications(NetCo m) : Lecture Notes in		Vol. 131, 1st ed. 2013, pp. 551-561		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Electrical Engineering, Chaki, Nabendu; Meghanathan, Natarajan; Nagamalai, Dhinaharan (Eds.)				
55	Pritpal Singh and Bhogeswar Borah,	High-order fuzzy-neuro expert system for time series forecasting	Knowledge-Based Systems (<i>Elsevier</i>)	A, E	46 (2013) 12-21 7-2013	3.058	10
56	P. Singh and B. Borah	Indian summer monsoon rainfall prediction using artificial neural network.	Stochastic Environmental Research and Risk Assessment (<i>Springer</i>),	A. C. E	27-7 1585–1599 2-2013	2.673	12
57	R. Bania and B. Borah	A New Modified Approach To Rough Set Feature Selection”,	in Proceedings of the 3rd International Conference on Computer Applications (ICCA 2012), 27-29 Pondicherry, India,		pp 68-72 , December, 2012,		
58	Singh, Lourembam Suraj, and Sarangthem Ibotombi Singh	Causal Support as Trust and Reputation Mechanism."	International Journal of Engineering Research and Technology. ESRSA Publications, 2013		Vol. 2. No. 1 (January- 2013).		
59	L. S. Singh, H. R. Singh, A. Neelima, S. I. Singh	Trust and Reputation Model Based on Causal Induction Method"	IJCST		Vol.3 Issue 3, 2012		
60	N Hoque, B Nath and D K Bhattacharyya	An efficient approach for rare association rule mining,	Advances in Intelligent Systems and Computing, Springer, (Proc. of BICTA-2012)	I	Volume 201, 2013, pp 193-203		1
61	B. Nath, D. K. Bhattacharyya	A. Ghosh, Incremental Association Rule Mining:	A Survey, DMKD, Wiley interdisciplinary review,		Vol. 3, No. 3, pp. 157- 169, 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
62	Dutta, M., Nath, B. and Hoque N	A Brief Survey on Rare Association Rule Mining,	International Journal of Information Analysis and Processing,	P	Vol 5, No 1, pp. 78-82, 2012		1
63	N Hoque, B Nath and D K Bhattacharyya	A New Approach on Rare Association Rule Mining,	Int'nl Journal of Computer Applications Published by Foundation of Computer Science, New York, USA	C	vol 53, no 3, pp 1-6, September 2012.	2.52	7
64	S. S. Satapathy, M. Dutta, A.K.Buragohain and S.K.Ray	Transfer RNA gene numbers may not be completely responsible for the codon usage bias in asparagine, isoleucine, phenylalanine and tyrosine in the high expression genes in bacteria”,	J Mol. Evol.,		75:34-42. 2012		
65	S. S. Satapathy, B. R. Powdel, M. Dutta, A.K.Buragohain and S.K.Ray	Constraint on genome signature by coding sequences in bacterial genomes”,	International Conference on Biomolecular Forms and Functions, Bangalore (Abstract is published)		08-13 January 2013		
66	L. B. Singh, N. Gopil	Privacy preserving reputation system for virtual marketplaces.	European Journal of Applied Engineering and Scientific Research,		2012, 1 (2):61-65		
67	S K Deka and N Sarma	Cognitive Radio Communication in Healthcare	the 26 th National Convention of Computer Engineers, Institution of Engineers (India), Guwahati,		pp.1-13, February 4-5, 2012		
68	G. Priyadarshini, Rosy Sarmah, B. Chakraborty, D.K. Bhattacharyya and J.K. Kalita	An Effective Graph based Clustering Technique to Indentify Coherent Patterns from Gene Expression Data,	International Journal of Bioinformatics Research and Applications, IJBRA,		ISSN online: 1744-5493, ISSN print: 1744-5485,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
					Vol. 8(1-2), pp. 18-37, 2012. (indexed).		
69	Nirupam Choudhury, Rosy Sarmah and Suranjon Sarma	A Modified QT-Clustering Algorithm over Gene Expression Data,	in the Proc. Of International Conference on Recent Advances in Information Technology,		ISBN: 978-1-4577-0694-3, pp. 542-547, 2012		
70	D Boro, B Nongpoh and D K Bhattacharyya,	Anomaly based intrusion detection using meta ensemble classifier,	in the ACM Proc of SIN'12, Jaipur, India		October 25-27, 2012,		
71	D Boro and D K Bhattacharyya	Meta Ensemble Classifier based Stacked Generalization for Anomaly based Intrusion Detection	in the Network and Information Security, India		ISBN 978-81-8487-314-6, pp 25-35, 2013,		
72	Joydeep Mukherjee, Priya Ranjan Sinha Mahapatra, Arindam Karmakar, Sandip Das	Minimum-width rectangular annulus.	Theor. Comput. Sci.		508:74-80 (2013)		
73	Sandip Banerjee, Bhargab B. Bhattacharya, Sandip Das, Arindam Karmakar, Anil Maheshwari, Sasanka Roy	On the Construction of Generalized Voronoi Inverse of a Rectangular Tessellation.	Transactions on Computational Science		22-38 (2013)		
74	Goswami, R., Bhattacharyya, D.K., Dutta, M.	Selection of views for materializing in data warehouse using MOSA and AMOSA.	<i>In: Wyld, D.C., Zizka, J., Nagamalai, D. (Eds.) Advances in Computer Science, Engineering & Applications. AISC, vol. 166, pp. 619–628. Springer, Heidelberg</i>				

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			(2012)				
75	Patra, S & Bruzzone ^C , L	A cluster-assumption based batch mode active learning technique	Pattern Recognition Letters (<i>Elsevier</i>)	A, B, C, D, P	33-9 1042-1048 4-2012	1.266	21
(2011-12)							
1	Chutia, D., Bhattacharyya, D. K., & Sudhakar, S. (2012).	Effective feature extraction approach for fused images of Cartosat-I and Landsat ETM+ satellite sensors.	Applied Geomatics,		4(3), 217-224.		
2	Mahanta, P., Ahmed, H. A., Bhattacharyya, D. K., & Kalita, J. K.	An effective method for network module extraction from microarray data.	<i>BMC bioinformatics</i> , 13(Suppl 13), S4.		2012		
3	Jakhar, J., Dey, P., Dutta, M., & Bhattacharyya, D. K.	CellTCS: A Secure Threshold Cryptography Scheme based on Non-linear Hybrid Cellular Automata.	<i>Procedia Technology</i> ,		6, 947-953		
4	Ahmed, H. A., Mahanta, P., & Bhattacharyya, D. K.	Negative Correlation Aided Network Module Extraction.	<i>Procedia Technology</i> ,		6, 658-665		
5	Gogoi, P., Borah, B., Bhattacharyya, D. K., & Kalita, J. K.	Outlier identification using symmetric neighborhoods.	<i>Procedia Technology</i> ,		6(2012) 239-246 11-2012		3
6	Kakoty, N. M. and Hazarika, S. M,	Electromyographic Grasp Recognition for a Five Fingered Robotic Hand,	<i>IAES [International Journal of Robotics and Automation (IJRA)]</i>		Vol. 2, No. 1. IAES		
7	Hazarika, S. M. and Bhowmick, A	Learning rules of a card game from video,	<i>Artificial Intelligence Review</i> , Springer		Vol. 38, No. 1		
8	Ghosh, S., Hazarika, S. M and Mukhopadhyay, S.	Optimization of free parameters in Text Clustering.	Proc. COMMUNE Conf. on Advancements in Communication and Computing Systems, CACCS 2012,		March 2012, pp. 85-91		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
9	Saikia, A., Hazarika, S. M.	Bispectrum Analysis of EEG in Estimation of Hand Movement.	Proc. of ACC 2011. Communications in Computer & Information Science Series, Springer, Kochi, India,		July 2011		
10	Saikia, A., Kakoty, N. M. and Hazarika, S. M.	Wavelet selection for EMG based Grasp Recognition CWT.	Proc. of ACC 2011. Communications in Computer & Information Science Series, Springer, Kochi, India,		July 2011		
11	Das, Debasish and Sharma, Utpal and Bhattacharyya, D K.	<i>Rule based Detection of SQL Injection Attack.</i>	International Journal of Computer Applications,	C, E	Volume 43, No. 19, ISSN No. 0975-8887, pp 15-24, April 2012	0.715	
12	Kalita Chandan, Saharia Navanath and Sharma Utpal	<i>An Extractive Approach of Text Summarization of Assamese using WordNet .</i>	6th International Global Wordnet Conference (GWC 2012), Japan.		January 2012, Pages 149-154		
13	Saharia Navanath and Sharma Utpal and Kalita Jugal	<i>A First Step Towards Parsing of Assamese Text.</i> Language in India,			Vol 11, No 5, ISSN 1930-2940, pp 30-34, 2011		
14	Sharma Padmaja and Sharma Utpal and Kalita Jugal	<i>Named Entity Recognition: A Survey for the Indian Languages .</i> Language in India,			Vol 11, No 5, ISSN 1930-2940, pp 35-40, 2011		
15	A Roy and N Sarma,	AEEMAC: Adaptive Energy	in the proc. of IEEE		December		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Efficient MAC Protocol for Wireless Sensor Networks”,	INDICON 2011, Hyderabad, India		16-18, 2011,		
16	N Medhi and N Sarma	On Demand k-coverage with Purposeful Mobility in Wireless Sensor Networks”,	in the proc. of IEEE INDICON 2011, Hyderabad, India		December 16-18, 2011,		
17	B C Chatterjee, N Sarma and P P Sahu	Dispersion Reduction Routing and Wavelength Assignment for Optical Networks”,	International Conference on Trends in Optics and Photonics, Kolkata, India		December 7-9, 2011,		
18	S K Deka and N Sarma	Cognitive Radio Communication in Healthcare”,	the 26 th National Convention of Computer Engineers, Institution of Engineers (India), Guwahati.		pp.1-13, February 4-5, 2012		
19	N Bhattacharya and N Sarma	A Review of Different Authentication and Key Agreement schemes in the context of Wireless Mesh Network”,	the 26 th National Convention of Computer Engineers, Institution of Engineers (India), Guwahati		pp.49-58, February 4-5, 2012		
20	B C Chatterjee, N Sarma and P P Sahu	A Study on Routing and Wavelength Assignment Approaches for Optical Networks”,	the 26 th National Convention of Computer Engineers, Institution of Engineers (India), Guwahati,		pp.88-100, February 4-5, 2012		
21	N Bhattacharya and N Sarma	Simple Password-based Authentication and Key Exchange Protocols in WMN: A Study”,	the 26 th National Convention of Computer Engineers, Institution of Engineers (India), Guwahati,		pp.101-109, February 4-5, 2012		
22	N Sarma and S Nandi	Enhanced Service Differentiation using Priority based MAC Protocol for MANETs”,	Int. J. Computer Networks and Distributed Systems		Vol. 8, No. 1/2, pp. 149-187, January,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			(IJCNDS), Inderscience,		2012		
23	B C Chatterjee, N Sarma and P P Sahu	Priority based Routing and Wavelength Assignment with Traffic Grooming for Optical Networks”,	Journal of Optical Communications and Networking		Vol. 4, no. 6, pp. 480–489, June, 2012		
24	Patra, S & Bruzzone ^C , L	A batch mode active learning technique based on multiple uncertainty for SVM classifier	IEEE Geoscience and Remote Sensing Letters (<i>IEEE</i>)	A, B, C, D, P	9-3 497-501 3-2012	1.823	20
25	S K Chettri and B. Borah	MDAV2K: A Variable-size Microaggregation Technique for Privacy Preservation”,	Proceedings of First International Conference on Information Technology Convergence and Services (ITCS 2012), Bangalore, India,		January 4, 2012, pp. 105–118		
26	Patra ^C , S & Ghosh S and Ghosh, A	Histogram thresholding for unsupervised change detection of remote sensing images	International Journal of Remote Sensing, <i>Taylor and Francis</i>	A, B, C, P	32-21 6071-6089 11- 2011	1.138	15
27	P Gogoi, R Das, B Borah, and D K Bhattacharyya	Efficient Rule Set Generation using Rough Set Theory for Classification of High Dimensional Data”,	in Int’nl Journal of Smart Sensors and Ad Hoc Networks (IJSSAN) ,		vol 1, issue 2, 2011 [ISSN No. 2248-9738]		
28	B. Borah and D. K. Bhattacharyya	EMDAV: A Variable-Size Microaggregation Technique for Privacy Preservation”,	Information Assurance and Security Letters,		2011-2 013-018 2-2012		
29	Gogoi, P., Borah, B., Bhattacharyya, D. K., & Kalita, J. K.	Outlier identification using symmetric neighborhoods.	<i>Procedia Technology</i> ,		6, 239-246		
30	P. Singh and B. Borah	An effective neural network and fuzzy time series-based hybridized model to handle forecasting problems of two factors.	<i>Knowledge and Information Systems (Springer)</i> ,	A, C, D, E	38-3 669–690 1-2013	2.639	3

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
31	Sora, M., S. Roy, and S. I. Singh	FLoMSqueezer: An Effective Approach For Clustering Categorical Data Stream."	International Journal of Computer Science Issues (IJCSI) 8.6 (2011).				
32	B Nath, D K Bhattacharyya, A Ghosh	Dimensionality Reduction for Association Rule Mining,	IJIIP, <i>Humanpub</i>	C, D	Vol. 2, No. 1, pp. 9 - 21, Humanpub, 2011		4
33	A Saha, B. Nath,	Initial Seeds Selection for C-Means & K-means Algorithm, ,	National Conference on Trends in Machine Intelligence, Tezpur, India		2011, pp 93-98		
34	S.S.Satapathy, M. Dutta, S. K. Ray,	Predicting gene expression from unevenness in codon usage",	International Conference & Exhibition on Proteomics & Bioinformatics, Hyderabad		06-08, 2011		
35	S K Deka and N Sarma	A survey on MAC Protocols for Cognitive Radio Networks",	National Conference on Trends in Machine Intelligence (NCTMI 2011), Tezpur, India,		pp. 99-108, 23-25, 2011		
36	Rosy Das, D.K. Bhattacharyya and J.K. Kalita	A Pattern Matching Approach for Clustering Gene Expression Data,	International Journal of Data Mining, Modelling and Management (IJDMMM),		ISSN online: 1759-1171, ISSN print: 1759-1163, vol 3, no 2, pages 130-149, July, 2011. (indexed)		
37	S. Sarmah, D. K.	Clustering Techniques in Spatial	published by Verlag		ISBN :978-		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Bhattacharyya and J. K. Kalita	Data Analysis	DM AG & Co, KG, Germany;		3-8473-4150-5, 2012 (Book)		
38	M. Goswami, Rosy Sarmah and D.K. Bhattacharyya	CNNC: A Common Nearest Neighbour Clustering Approach for Gene Expression Data,	International Journal of Computational Vision and Robotics (IJCVR),		ISSN online: 1752-914X, ISSN print: 1752-9131, Vol. 2, no 2 (Interscience), pp. 115-126, 2011. (indexed)		
39	Giri Mallika Bora and Rosy Sarmah,	FLBC: A Fuzzy Link based Clustering Approach for Gene Expression Data,	in the Proc. of World Congress on Information and Communication Technologies (WICT 2011), , Mumbai, December 2011		Print ISBN: 978-1-4673-0127-5, pp. 892-897		
40	R. Prasad and Rosy Sarmah	Variable Density Spatial Data Clustering,	in the Proc. of 2nd International Conference on Computer and Communication Technology (ICCT), Allahabad.		Print ISBN: 978-1-4577-1385-9, pp. 53-58, 2011		
41	Sandip Banerjee, Bhargab B. Bhattacharya, Sandip Das, Arindam Karmakar, Anil Maheshwari, S Roy	On the Construction of a Generalized Voronoi Inverse of a Rectangular Tessellation.			ISVD 2012: 132-137		
42	R. Goswami, D.K Bhattacharyya, M. Dutta	Approached and Issues in View Selection for Materializing in Data	in book "Machine Intelligence - Recent		2011		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Warehouse	Advances", Narosa, New Delhi, pp.76-82.				
43	A Survey of Outlier Detection Methods in Network Anomaly Identification	A Survey of Outlier Detection Methods in Network Anomaly Identification	The Computer Journal (<i>Oxford University Press</i>)	A, E	54-4 570-588 4-2011	0.888	52
44	Patra, S & Bruzzone ^C , L	A fast cluster-assumption based active learning technique for classification of remote sensing images	IEEE Transactions on Geoscience and Remote Sensing (<i>IEEE</i>)	A, B, C, D, P	49-5 1617-1626 4-2011	2.933	48

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A. Journal publications (Peer reviewed)

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
(2014-15)							
1	P.K. Choudhury, D.C. Baruah	Development of an Empirical Model For Assessment of Solar Air Heater Performance	Distributed Generation and Alternative Energy Journal; <i>Taylor and Francis</i>		29(3), 56-75, 2014	0	0
2	B. Boro, S. Basumatary, P.K. Choudhury and B. Gogoi,	Feedstocks, Production, Properties and Blending Effect of Biodiesel: A Review	International Journal of Recent Development in Engineering and Technology		2(6), 6-10, 2014	0	0
3	Kakati, BK & Kucernak, ARJ	Gas phase recovery of hydrogen sulfide contaminated polymer electrolyte membrane fuel cells	Journal of Power Sources, <i>Elsevier</i>	ABCDEP	252, 317-326, 2014	5.211	02
4	Lopes, T & Ho, M & Kakati, BK & Kucernak ARJ	Assessing the performance of Reactant Transport Layers and flow fields towards oxygen transport: A New Imaging Method Based on Chemiluminescence	Journal of Power Sources, <i>Elsevier</i>	ABCDEP	274, 382-394, 2014	5.211	0
5	Singh M. K, Mahapatra Sadhan, Teller J.	Development of thermal comfort models for various climatic zones of North-East India	Sustainable Cities and Society, <i>Elsevier</i>	International	14, 133-145, 2015	0	0

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
6	Pallavi Borah, M K Singh, Sadhan Mahapatra.	Estimation of degree-days for different climatic zones of North-east India.	Sustainable Cities and Society, <i>Elsevier</i>	International	14, 70-81, 2015	0	02
7	Borah R Rishi, Palit D, Mahapatra Sadhan.	Comparative Analysis of Solar Photovoltaic Lighting Systems in India	Energy Procedia. <i>Elsevier</i>	International	54,680-689, 2014	0	0
8	Singh M. K, Mahapatra Sadhan, Teller J.	Relation between indoor thermal environment and renovation in Liege residential buildings.	Thermal Science. <i>Vinca Institute of Nuclear Sciences</i>	International	18(3): 889-902, 2014	0.962	0
9	Sadhan Mahapatra, S. Dasappa	Experiments and analysis of propagation front under gasification regimes in a packed bed	Fuel Processing Technology. <i>Elsevier</i>	International	121, 83-90, 2014	3.019	01
10	Sadhan Mahapatra, S. Dasappa	Influence of surface area to volume ratio of fuel particles on gasification process in a fixed bed.	Energy for Sustainable Development, <i>Elsevier</i>	International	19, 122-129, 2014	2.36	02
11	Kalita PK, Mahanta P & Saha U K	Study of bed-to-wall heat transfer with twisted tape at the upper splash region of a pressurized circulating fluidized bed unit	International Journal of Heat and Mass Transfer, <i>Elsevier</i>	A	78, 260-266, 2014	2.522	0
12	Dutta PP and DC Baruah	Possibility of biomass gasification in tea manufacturing industries in Assam	International Journal of Renewable Energy Technology, <i>Inderscience</i>	P	5 (4), 310-322, 2014	0	0
13	Hiloidhari M and Baruah DC	GIS mapping of rice straw residue for bioenergy purpose in a rural area of Assam, India	Biomass and Bioenergy , <i>Elsevier</i>	A, E	71, 125-133, 2014	3.411	0
14	Dutta PP, Pandey V, Das AR, Sen S, Baruah DC.	Down Draft Gasification Modelling and Experimentation of Some Indigenous Biomass for Thermal Applications	Energy Procedia , <i>Elsevier</i>	E	54, 21-34, 2014	0	0

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15	Dutta PP and Baruah DC.	Gasification of tea (<i>Camellia sinensis</i> (L.) O. Kuntze) shrubs for black tea manufacturing process heat generation in Assam, India	Biomass and Bio-energy, <i>Elsevier</i>	A, E	66, 27-38, 2014	3.411	01
16	Baruah D and Baruah DC.	Modeling of biomass gasification: A review.	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>	A, E	39, 805-815, 2014	5.51	01
17	Hiloidhari M, Das D. Baruah DC.	Bio-energy potential from crop residue biomass in India.	Renewable and Sustainable Energy Reviews <i>Elsevier</i>	A, E	32, 504-512, 2014	5.51	02
18	Dutta PP and Baruah DC.	Drying modelling and experimentation of Assam black tea (<i>Camellia sinensis</i>) with producer gas as a fuel.	Applied Thermal Engineering, <i>Elsevier</i>	E	63(2), 495-502, 2014	2.624	03
19	Konwar LJ, Mäki-Arvela P, Salminen E, Kumar N, Thakur AJ, Mikkola J-P and Deka D	Towards carbon efficient biorefining: Multifunctional mesoporous solid acids obtained from biodiesel production wastes for biomass conversion	Applied Catalysis B: Environmental <i>Elsevier</i>		176, 20–35, 2015	6.007	0
20	Bora P, Konwar LJ, Boro J, Phukan M M, Deka D & Konwar BB	Hybrid biofuels from non-edible oils: A comparative standpoint with corresponding biodiesel	Applied Energy <i>Elsevier</i>		135, 450-460, 2014	5.261	0
21	Boro J, Konwar LJ, Thakur AJ and Deka D	Ba doped CaO derived from waste shells of <i>T. striatula</i> (TS-CaO) as heterogeneous catalyst for biodiesel production	Fuel <i>Elsevier</i>		129, 182-187 2014	3.406	01
22	Boro J, Konwar LJ and Deka D	Transesterification of non-edible feedstock with lithium incorporated egg shell derived CaO for biodiesel production	Fuel Processing Technology <i>Elsevier</i>		122, 72-78, 2014	3.019	02

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23	Kataki R., Chutia, R.S. and Borah, M.	Woody shrubs as a potential source of domestic energy in the eastern Himalayan regions of India	Energy Sources, Part-A, <i>Taylor & Francis</i>		37(10):1046-1052, 2015	0.358	0
24	Saikia, R., Chutia, R. S., Kataki, R. Pant, K.K.	Perennial grass (<i>Arundo donax</i> L.) as a feedstock for thermo-chemical conversion to energy and materials	Bioresource Technology <i>Elsevier</i>		In press doi:10.1016/j.biortech.2015.01.089	5.039	0
25	Saikia, P., Gupta, U. N., Barman, R. S., Kataki, R., Chutia, R. S., Baruah, B. P.	Production and characterization of bio-oil produced from <i>Ipomoea carnea</i> bio-weed	BioEnergy Research <i>Springer</i>		In Press. doi 10.1007/s12155-014-9561-2	3.398	0
26	Bordoloi, N., Narzari, R., Chutia, R.S., Bhaskar, T., Kataki, R.	Pyrolysis of <i>Mesua ferrea</i> and <i>Pongamia glabra</i> seed cover: Characterization of bio-oil and its sub-fractions	Bioresource Technology <i>Elsevier</i>		178, 83-89, 2015	5.039	0
27	Sarmah, N & Mallick, T K	Design, fabrication and outdoor performance analysis of a low concentrating photovoltaic system	Solar Energy <i>Elsevier</i>	C	112, 361-372, 2015	3.541	01
28	Micheli L, Sarmah N, Luo X, Reddy K. S & Mallick T. K	Design of 16-Cell Densely-Packed 500×Concentrating Photovoltaic Receiver	Energy Procedia <i>Elsevier</i>	C	54, 185-198, 2014	0	0
29	Verma, R., Samdarshi, S.K.	Correlating oxygen vacancies and phase ratio/interface with efficient photocatalytic activity in mixed phase TiO ₂	Journal of Alloys and Compounds, <i>Elsevier</i>		629, 105-112, 2015	2.726	0
30	Ramchiary, A., Samdarshi, S.K.	Hydrogenation based disorder-engineered visible active N-doped mixed phase titania	Solar Energy Materials and Solar Cells, <i>Elsevier</i>		134, 281-388, 2015	5.03	0
31	Rajbongshi, B.M.,	Influence of N-doping on	Materials Letters,		134, 111-114,	2.269	0

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	Ramchiary, A., Samdarshi, S.	photocatalytic activity of ZnO nanoparticles under visible light irradiation	<i>Elsevier</i>		2014		
32	Ramchiary, A., Samdarshi, S.K.	Ag deposited mixed phase titania visible light photocatalyst - Superiority of Ag-titania and mixed phase titania co-junction	Applied Surface Science, <i>Elsevier</i>		305, 33-39, 2014	2.538	06
33	Ramchiary, A., Samdarshi, S.K.	High visible light activity of hydrogenated structure-engineered mixed phase titania photocatalyst	Chemical Physics Letters, <i>Elsevier</i>		597, 63-68, 2014	1.991	03
34	Rajbongshi, B.M., Samdarshi, S.K.	ZnO and Co-ZnO nanorods - Complementary role of oxygen vacancy in photocatalytic activity of under UV and visible radiation flux	Materials Science and Engineering: B, <i>Elsevier</i>		182(1), 21-28, 2014	2.122	03
35	Rajbongshi, B.M., Samdarshi, S.K., Boro, B.	Multiphasic bi-component TiO ₂ -ZnO nanocomposite: synthesis, characterization and investigation of photocatalytic activity under different wavelengths of light irradiation	Journal of Materials Science: Materials in Electronics, <i>Springer</i>		26(1), 377-384, 2014	1.966	0
(2013-14)							
1	Kakati, BK & Ghosh, A & Verma, A	Efficient composite bipolar plate reinforced with carbon fiber and graphene for proton exchange membrane fuel cell	International Journal of Hydrogen Energy, <i>Elsevier</i>	ABEDP	38 (22), 9362-9369, 2013	2.930	04
2	Manoj Kumar Singh. Sadhan Mahapatra. J Teller.	An analysis on energy efficiency initiatives in the building stock of Liege, Belgium.	Energy Policy, <i>Elsevier</i>	International	62, 729-741, 2013	2.696	04
3	Hatibaruah D, Baruah, DC, Sanyal S.	Microwave Drying Characteristics of Assam CTC	Journal of Food Processing and	P	37, 366-370, 2013	0.938	03

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		Tea (<i>Camellia assamica</i>).	Preservation, <i>Wiley</i>				
4	Chakraborty M, Baruah, DC	Production and characterization of biodiesel obtained from <i>Sapindus mukorossi</i> kernel oil.	Energy, <i>Elsevier</i>	A, E	60, 159-167, 2013	4.159	02
5	Sahu BK, Hiloidhari M, and Baruah DC	Global trend in wind power with special focus on the top five wind power producing countries.	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>	A, E	19, 348-359, 2013	5.51	09
6	Hormozi MA., Asoodar MA., Abdeslahi A, and Baruah DC	The role of water pumping in energy efficiency of rice cropping systems in khuzestan province, iran	International Journal of Agriculture: Research and Review. <i>Academic Journals Inc., USA</i>	P	3 (1), 96-102, 2013	0	0
7	Dutta PP, Pandey Vivek, Sen Saurav, Das AR, Nath A, and Baruah DC	Fuel characteristics of some indigenous plants	International Journal of Emerging Technology and Advanced Engineering	P	3(3), 570-576, 2013	0	0
8	Konwar LJ, Das R, Thakur AJ, Salminen E, Mäki-Arvela P, Kumar N, Mikkola J-P and Deka D	Biodiesel production from acid oils using sulfonated carbon catalyst derived from oil-cake waste.	Journal of Molecular Catalysis A: Chemical <i>Elsevier</i>		388-389, 167-176 2014	3.679	02
9	Konwar LJ, Boro J and Deka D	Review on latest developments in biodiesel production using carbon-based catalysts.	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>		29, 546-564, 2014	5.51	11
10	Das S, Thakur AJ and Deka D.	Two-Stage Conversion of High Free Fatty Acid <i>Jatropha curcas</i> Oil to Biodiesel using Brønsted Acidic Ionic Liquid and KOH as Catalysts.	The Scientific World Journal, <i>Hindawi</i>		2014, 1-9, 2014	0	0
11	Purkayastha MD, Das	Removing Antinutrients from	J. Agric. Food Chem,		61, 10746-10756,	3.107	07

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	S, Manhar AK and Deka D, Mandal M and Mahanta CL	Rapeseed Press-Cake and Their Benevolent Role in Waste Cooking Oil-Derived Biodiesel: Conjoining the Valorization of Two Disparate Industrial Wastes	ACS		2013		
12	Choudhury, N. D., Chutia, R. S., Bhaskar, T., Kataki, R.	Pyrolysis of jute dust: effect of reaction parameters and analysis of products	Journal of Material Cycles and Waste Management <i>Springer</i>		16(3), 449-459, 2014	0.831	01
13	Upadhyaya, K., Watham, T., and Kataki, R.	Tree fodder utilization in humid tropical highland: a case of Tanhril village in Aizawl district of Mizoram, India	International Journal of Current Discoveries and Innovations		3(1),33-36, 2014	0	0
14	Chutia, Rahul S., Kataki, R. and Thallada Bhaskar	Characterisation of liquid and solid products from pyrolysis of Pongamia glabra deoiled cake	Bioresource Technology <i>Elsevier</i>		165, 336-342,2014	5.039	02
15	Kalita P, Mahanta P & Saha U K	Effect of biomass blending on hydrodynamics and heat transfer behavior in a cold pressurized circulating fluidized bed unit	International Journal of Heat and Mass Transfer, <i>Elsevier</i>	A	60, 531-541, 2013	2.522	02
16	Kalita P, Mahanta P & Saha U K	Parametric study on the hydrodynamics and heat transfer along the riser of a pressurized circulating fluidized bed unit	Experimental Thermal and Fluid Science, <i>Elsevier</i>	A	44, 620-630, 2013	2.080	03
17	Kalita P, Clifford M, Kalita K, Mahanta P & Saha U K	Characterization and Analysis of Thermal Response of Rice Husk for Gasification Applications	Journal of Renewable and Sustainable Energy, <i>AIP</i>	B	5, 013119(16 pages), 2013	0.925	01
18	Kalita P, Golla N, Vivek K P, Saha U K & Mahanta P	Design and performance evaluation of a novel loose biomass feeding system,	Journal of Scientific and Industrial Research, <i>CSIR</i>	B	72, 511-514, 2013	0.5	0
19	Kalita P, Mahanta P & Saha U K	Some studies on wall-to-bed heat transfer in a pressurized	Procedia Engineering, <i>Elsevier</i>	A	56, 163-172, 2013	0	0

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		circulating fluidized bed unit					
20	Baig H, Sarmah N, Chemisana D, Rosell J. Mallick T. K	Enhancing Performance of a Linear Dielectric Based Concentrating Photovoltaic System	Energy <i>Elsevier</i>	C	73, 177-191, 2014	4.159	02
21	Sarmah N, Richards B. S & Mallick T. K.	Design and indoor performance analysis of a low concentrating dielectric photovoltaic module	Solar Energy <i>Elsevier</i>	C	103, 390-401, 2014	3.541	02
22	Muhammad-Sukki F, Abu-Bakar S. H, Munir A. B, Yasin S. H. M, Ramirez-Iniguez R, McMeekin S. G, Stewart B. G, Sarmah N, Mallick T. K & Rahim R. A.	Feed-in Tariff for Solar Photovoltaic: The rise of Japan	Renewable Energy <i>Elsevier</i>	C	68, 636-643, 2014	3.361	09
23	Fernaández E. F.; Almonacid F.; Sarmah N.; Rodrigo P.; Mallick T. K.; Higuera P. P.	A model based on artificial neuronal network for the prediction of the maximum power of a low concentration photovoltaic module for building integration	Solar Energy, <i>Elsevier</i>	C	100, 148-158, 2014	3.541	09
24	Muhammad-Sukki F, Abu-Bakar S. H, Ramirez-Iniguez R, McMeekin S. G, Stewart B. G, Sarmah N, Mallick T. K, Munir A. B, Yasin S. H. M & Rahim R. A.	Mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems	Applied Energy, <i>Elsevier</i>	C	113, 32-40, 2014	5.261	10
25	Rajbongshi, B.M., Ramchiary, A., Jha,	Synthesis and characterization of plasmonic visible active Ag/ZnO	Journal of Materials Science: Materials in		25(7), 2969-2973, 2014	1.966	03

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	B.M., Samdarshi, S.K.	photocatalyst	Electronics, <i>Springer</i>				
26	BM Rajbongshi, SK Samdarshi	Cobalt-doped zincblende–wurtzite mixed-phase ZnO photocatalyst nanoparticles with high activity in visible spectrum	Applied Catalysis B: Environmental, <i>Elsevier</i>		144, 435-441, 2014	6.007	15
(2012-13)							
1	Sadhan Mahapatra, S. Dasappa.	Rural electrification : Optimizing the choice between decentralized renewable energy sources and grid extension	Energy for Sustainable Development, <i>Elsevier</i>	International	16(2), 146-154, 2012	2.36	13
2	Hiloidhari M, Baruah D, Mahilary H, and Baruah DC	GIS based assessment of rice (Oryza sativa) straw biomass as an alternative fuel for tea (Camellia sinensis L.) drying in Sonitpur district of Assam, India.	Biomass and Bioenergy, <i>Elsevier</i>	A, E	44, 160-167, 2012	3.411	02
3	Hazarika S, Hiloidhari, M, and Baruah, DC	Improving distribution efficiency of electrical network using geo-electrical options: a case study in a rural area of Assam (India).	Energy Efficiency, <i>Springer</i>	A, C, E	5, 519-530, 2012	0.961	0
4	Bora D and Baruah DC.	Assessment of tree seed oil bio-diesel: A comparative review based on biodiesel of a locally available tree seed	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>	A, E	16, 1616-1629, 2012	5.51	08
5	Chakraborty M, and Baruah DC.	Investigation of oxidation stability of Terminalia belerica biodiesel and its blends with petrodiesel	Fuel Processing Technology, <i>Elsevier</i>	A, E	98, 51-58, 2012	3.019	09
6	Bora DK., Baruah DC, Das LM and Babu MKG	Performance of diesel engine using biodiesel obtained from mixed feedstocks	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>	A, E	16(8), 5479–5484, 2012	5.51	05
7	Hazarika B. and Deka D.	Modern Use of Biomass Fuel in Domestic Energy Sector: A	Energy Sources, Part A: Recovery,		35(14), 1328-1337, 2013	0.358	0

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
		Household Level Case Study in the Chirang District of Assam	Utilization and Environmental Effects, <i>Taylor & Francis</i>				
8	Bora P, Boro J and Deka D	A study on the development of Mesua ferrea l. seed oil based microemulsified fuel system.	Journal of Emerging Technology and Advanced Engineering		3(3), 47-51, 2013	0	0
9	Boro J, Konwar LJ and Deka D	Vigna radiata (mung bean) ash as heterogeneous base catalyst for biodiesel production.	Journal of Bioprocess Engineering and Biorefinery		2(1), 1-7, 2013	0	0
10	Boro, J. & Deka, D	A review on Biodiesel.	Journal of biobased materials and bioenergy, <i>American Scientific Publishers</i>		6(2), 125-141(17), 2012	0.586	06
11	Boro J, Thakur A J & Deka D	A review on solid oxide derived from waste shells as catalyst for biodiesel production	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>		16(1), 904-910, 2012	5.51	21
12	Boro J and Deka D.	Doped waste shell as heterogeneous catalysts in the transesterification of waste cooking oil for biodiesel production	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <i>Taylor & Francis</i>		Accepted, 2012	0.358	0
13	Phukan, Mayur M., Chutia, Rahul S., Rahul Kumar, D. Kalita, Konwar, B. K. and Kataki, R.	Assessment of antimicrobial activity of bio-oil from Pongamia glabra, Mesua ferrea and Parachlorella spp deoiled cake	International Journal of Pharma and Bio Sciences		4(4), 910 – 918, 2013	0	0
14	Chutia, R.S., Kataki, R. and Bhaskar, T.	Thermogravimetric and decomposition kinetic studies of Mesua ferrea L. deoiled cake	Bioresource Technology, <i>Elsevier</i>		139, 66-72, 2013	5.039	06

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15	Chutia, R.S., Phukan, M.M., Kataki, R., Bhaskar, T. and Konwar, B.K.	Exploitation of Pongamia glabra deoiled cake for alternate energy: Physico-chemical characterization and Thermogravimetric studies	Energy Sources Part A-Recovery Utilization and Environmental Effects, <i>Taylor & Francis</i>		(In Press) (DOI:10.1080/15567036.2012.744117).	0.358	0
16	Konwer, L.J., Chutia, R. S., Boro, J., Kataki, R. and Deka, D	Biochar Supported CaO As Heterogeneous Catalyst for Biodiesel Production	International Journal of Innovative Research & Development,		1(7), 186-195, 2012.	0	0
17	Chutia, R.S., Borah, M., Nath, T. and Kataki, R.	Biomass Fast Pyrolysis: A Sustainable Renewable Energy Technology	International Journal of Engg. Sci. Research		03:534-539, 2012	0	0
18	Nath, T., Das, M. and Kataki, R.	Ligno-Cellulosic Alcohol Fermentation from Bagasse	International Journal of Engg. Sci. Research		03:638-647, 2012.	0	0
19	Borah, M., Chutia, R.S. and Kataki, R.	Oil Spillage at Lakwa Drilling Site of Sivasagar District, Assam Evaluation of Spilled Crude Oil as Influenced by Weathering Processes,	International Journal of Engg. Sci. Research		03:607-609, 2012.	0	0
20	Kataki R.	Youth Employment Opportunities in Renewable Energy	International Journal of Engg. Sci. Research		03, 648-651, 2012	0	0
21	Kalita P, Mahanta P, Saha U K	An experimental investigation of hydrodynamics and heat transfer with biomass blending in ariser of a pressurized circulating fluidized bed unit	International Energy Journal , <i>RERIC</i>	E	13 (2), 63-74, 2012	0	01
22	Micheli L, Sarmah N, Luo X, Mallick T. K.	Opportunities and Challenges in micro- and nano- technologies for Concentrating Photovoltaic	Renewable & Sustainable Energy Reviews, <i>Elsevier</i>	C	20, 595-610, 2013	5.510	20

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
		Cooling: a review					
23	Baig H., Sarmah N., Heasman K. C., Mallick T. K.	Numerical modelling and experimental validation of a low concentrating photovoltaic system	Solar Energy Materials and Solar Cells, <i>Elsevier</i>	C	113, 201-219, 2013	5.030	12
24	Das, B., Nair, R.G., Rajbongshi, B., Samdarshi, S.K.	Investigation of the photoactivity of pristine and mixed phase N-doped titania under visible and solar irradiation	Materials Characterization, <i>Elsevier</i>		83, 145-151, 2013	1.925	01
(2011-12)							
1	Kakati, BK & Sathiyamoorthy, D & Verma, A	Semi-empirical modeling of electrical conductivity for composite bipolar plate with multiple reinforcements	International Journal of Hydrogen Energy, <i>Elsevier</i>	ABEDP	36 (22), 14851-14857, 2011	2.930	07
2	Manoj Kumar Singh. Sadhan Mahapatra. S. K. Atreya.	Solar passive features in vernacular architecture of North-East India	Solar Energy, <i>Elsevier</i>	International	85(9), 2011-2022, 2011	3.541	08
3	Manoj Kumar Singh. Sadhan Mahapatra. S. K. Atreya	Adaptive thermal comfort model for different climatic zones of North-East India	Applied Energy, <i>Elsevier</i>	International	88(7), 2420-2428, 2011	5.261	20
4	Gogoi TK and Baruah DC	Performance and Energy Analyses of a Diesel Engine Fuelled with Koroch Seed Oil Methyl Ester and Its Diesel Fuel Blends.	International Journal of Energy Technology and Policy, <i>Inderscience</i>	P	7(5/6), 433 – 454, 2011	0	01
5	Hiloidhari M and Baruah DC	Rice straw residue biomass potential for decentralized electricity generation: a GIS based study in Lakhimpur district of Assam, India. Special Issue: Delivery of off-grid electrification in developing	Energy for Sustainable Development, <i>Elsevier</i>	A, E	15(3), 214–222, 2011	2.36	08

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
		countries.					
6	Hatibaruah D, Baruah DC and S Sanyal	Modeling desorption isotherms and thermodynamic properties of Assam CTC manufactured from tea cultivar T3E3	Journal of Food Processing and Preservation, <i>Wiley</i>	P	35 (5), 729-738, 2011	0.938	0
7	Gogoi TK and Baruah DC	The use of Koroch seed oil methyl ester blends as fuel in a diesel engine	Applied Energy, <i>Elsevier</i>	A, E	88(8), 2713-2725, 2011	5.261	15
8	Hiloidhari M and Baruah DC	Crop residue biomass for decentralized electrical power generation in rural areas (part 1): Investigation of spatial availability.	Renewable and Sustainable Energy Reviews, <i>Elsevier</i>	A, E	15(4), 1885-189, 2011.	5.51	11
9	Konwar LJ, Boro J and Deka D.,	Activated carbon supported CaO prepared from waste mollusk shells as heterogeneous catalyst for biodiesel production	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <i>Taylor & Francis</i>		Accepted, 2012	0.358	0
10	Boro J, Konwar, LJ, Das S and Deka D.	Comparative study of CaO derived from waste shells of turbonilla striatula and commercial CaO for biodiesel synthesis	JASS		53(1), 2012	0	0
11	Boro J, Thakur AJ and Deka D. .	Solid oxide derived from waste shells of Turbonilla striatula as a renewable catalyst for biodiesel production	Fuel Processing Technology, <i>Elsevier</i>		92(10), 2061–2067, 2011	3.019	39
12	Baruah PK , Deka D. and Dixit US.	Mathematical Modelling of Change of Temperature in Pulsating Heat Pipes with Single	International Journal of Energy, Information and		2(1), 33-52, 2011	0	0

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
		Loops	Communications				
13	Phukan, Mayur M., Chutia, Rahul S., Konwar, B. K. and Kataki, R.	Microalgae Chlorella as a potential bio-energy feedstock	Applied Energy, Elsevier		88(10), 3307-3312, 2011	5.261	57
14	Maiti S., Sarmah N, Bapat P, Mallick T. K.	Optical analysis of a photovoltaic V-trough system installed in Western India.	Applied Optics, OSA	C	51(36), 8606-8614, 2012	1.649	22
15	Lahkar, P.J., Bhamu, R.K., Samdarshi, S.K.	Enabling inter-cooker thermal performance comparison based on cooker opto-thermal ratio (COR)	Applied Energy, Elsevier		99, 491-495, 2012	5.261	02
16	Nair, R.G., Roy, J.K., Samdarshi, S.K., Mukherjee, A.K.	Mixed phase v doped titania shows high photoactivity for disinfection of Escherichia coli and detoxification of phenol	Solar Energy Materials and Solar Cells, Elsevier		105, 103-108, 2012	5.03	08
17	Boury, Bruno, Ranjith G. Nair, S. K. Samdarshi, TaherehMakiabadi and P. Hubert Mutin	Non-hydrolytic synthesis of hierarchical TiO ₂ nanostructures using natural cellulosic materials as both oxygen donors and template	New Journal of Chemistry RSC	International	36 (11), 2196 - 2200, 2012,	3.159	0
18	Nair, Ranjith. G., A. M. Tripathi, S. K. Samdarshi	Impact of Ti-V ratio on the crystalline phase/visible light activity of TiV-oxide photocatalyst	Environmental Progress and Sustainable Energy Wiley-Blackwell	International	31(1), 107–113, 2012	1.271	02
19	Husain M., G. Sharma, S.K. Samdarshi	Innovative design of non-convective zone of salt gradient solar pond for optimum thermal performance and stability	Applied Energy Elsevier	International	93, 357–363, 2012	5.261	04
20	Suhas R. Patil, U. G. Akpan, B. H. Hameed, S. K. Samdarshi	A comparative study of photocatalytic efficiency of Degussa P25, Qualigens and	Desalination and Water Treatment, Taylor and Francis	International	46, 188-195, 2012	0.988	07

Sl. No.	Name of author (s)	Title	Journal and Publisher, Publisher in italics	Indexed	Vol-issue Page Nos. Month-year	Impact factor (if any)	Citation (if any)
	.	Hombikat UV-100 in the degradation kinetic of congo red dye					
21	Chaturvedi A, and S K Samdarshi	Energy, Economy and Development (EED) Triangle: Concerns for India	Energy Policy, <i>Elsevier</i>	International	39(8), 4651-4655, 2011	2.696	02
22	Nair, Ranjith. G., A. M. Tripathi and S. K. Samdarshi	Photocatalytic activity of predominantly rutile mixed phase Ag/TiV oxide nanoparticles under visible light irradiation	Energy, <i>Elsevier</i>	International	36, 3342-3347, 2011	4.159	08
23	Nair, Ranjith. G., Jetendra Kumar Roy, S. K. Samdarshi, A. K. Mukherjee	Enhanced visible light photocatalytic disinfection of gram negative, pathogenic Escherichia coli bacteria with Ag/TiV oxide nanoparticles	Colloids and surfaces B: Biointerfaces, <i>Elsevier</i>	International	86, 7–13., 2011	4.287	06
24	Nair, Ranjith. G., Samrat Paul, S. K. Samdarshi	High UV/Visible light activity of mixed phase titania: A generic mechanism	Solar Energy Materials and Solar cells, <i>Elsevier</i>	International	95, 1901–1907, 2011	5.03	39
25	Paul Samrat and S K Samdarshi	A green precursor for carbon nanotubes synthesis	New carbon materials, <i>Elsevier</i>	International	26(2), 1-4, 2011	1.308	21

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
1	Kalita P & Banik R K	Investigation of hydrodynamic parameters for design of a novel fluidized bed paddy dryer	National seminar cum workshop on Innovative prospects in food processing: integration of engineering and biological sciences organised by Department of Food Engineering and Technology, Tezpur University, Assam	N	27 th – 28 th March 2015.	
2	Singh Manoj Kumar,	Design optimisation of vernacular building in warm	30th International Conference on Passive and Low Energy Architecture (PLEA 2014), 16-18		Peer Reviewed,	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
	Mahapatra Sadhan, Teller Jacques.	and humid climate of North-East India	December, 2014, Ahmedabad, India.		2014	
3	Dhar Priyanka, Borah Pallavi, Singh Manoj Kumar, Mahapatra Sadhan	Thermal Characteristics of a Vernacular Building Envelope	30th International Conference on Passive and Low Energy Architecture (PLEA 2014), 16-18 December, 2014, Ahmedabad, India		Peer Reviewed, 2014	
4	Baruah Plabita, Singh Manoj Kumar, Mahapatra Sadhan	Thermal Comfort in Naturally Ventilated Classrooms	30th International Conference on Passive and Low Energy Architecture (PLEA 2014), 16-18 December, 2014, Ahmedabad, India		Peer Reviewed, 2014	
5	Deka K. Mahapatra Sadhan, Bordoloi PK, Medhi B	Design and Testing of a Control System for Supply Side Electrical Load Management	Proc of First International Conference on Non-conventional Energy (ICONCE 2014), ISBN: 978-1-4799-3340-2/14, pp. 277-281, January 16-17, 2014, Kalyani, India		Peer Reviewed, 2014	
6	Kalita P & Gogoi & Saikia R & Mahanta P	Effect of distributor plate on bed hydrodynamics and heat transfer in a pressurized cold circulating fluidized bed unit	International Symposium on Aspects of Mechanical Engineering and technology for Industry	I	December 6-8, 2014, pp.52-61, NERIST, Itanagar, Arunachal Pradesh	
7	Mahapatro A & Kalita P & Mahanta P & Saha U K	Numerical simulation of gas-solid flow in a pressurized circulating fluidized bed riser	11 th International conference on Fluidized Bed Technology (CFB-11)	I	pp. 323-328, May 14-17, 2014, Beijing, China	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
8	Brahma, D.K., Sut, D. and Kataki, R.	Kayea assamica oil biodiesel: an alternate fuel for CI engine	International symposium on Aspects of Mechanical Engineering and Technology for Industry, organized by NERIST, Itanagar, December 6-8, 2014	I	December 6-8, 2014.	
9	Singh M. K., Mahapatra S., Teller J.	Study on indoor thermal comfort in the residential buildings of Liege, Belgium	CISBAT 2013, Lausanne, Switzerland, 4-6th September, 2013		Peer Reviewed,2013	
10	Medhi B J., Mahapatra S., Thokchom A K., Singh A.	Dynamics of free surface flow of non-colloidal suspensions in stepped channel	International Conference on Multi-Phase Flow, Jeju, Korea, 26-31st May, 2013		Peer Reviewed,2013	
11	Sut, D. and Kataki, R.	Prospects of biodiesel production from non-edible oil seeds of north-east India: A review	3 rd National Conference on Recent Advances in Bio-energy Research, organized by Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, Punjab, November 22-24, 2013	N	November22-24, 2013	
12	Choudhury, N. D., Gohain, P. P., Bichitra B., Baruah, S. D. and Kataki, R.	Production of hydrocarbon liquid by pyrolysis of Camellia sinensis (Tea) seed deoiled cake and characterization of Products	3 rd National Conference on Recent Advances in Bio-energy Research, organized by Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, Punjab, November 22-24, 2013	I	November 22-24, 2013	
13	Paul S. and S K Samdarshi,	Functionalized cut-MWCNT for OPV application, S Paul	S Paul got Young Scientist Award of ISCA for the paper and presented it at Indian Science Congress 2012 at Bhubaneshwar.		2012	
14	Singh Manoj Kumar. Mahapatra Sadhan. Atreya S. K.	Thermal acceptability assessment in vernacular buildings of North-East India.	30th ISES Biennial Solar World Congress, Kassel, Germany, Volume 3, 2011; 2370-2379, ISBN: 978-161839364-7		Peer Reviewed,2011	
15	Mahapatra Sadhan. Dasappa S	Off-Grid Biomass Gasification Based Rural Electrification in Lieu of Grid Extension	Proc of 19th European Biomass Conference and Exhibition, pp 2203-2208, Berlin, Germany, 6-10 June 2011		Peer Reviewed,2011	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
16	Das, Chandan and Kataki, R.	A review on catalytic reforming techniques for hydrogen production from biomass derived oxygenated hydrocarbons	ICORE2011 organized by Tezpur University, Tezpur, November 2-4, 2011	I	2-4, November 2011	
17	Nair, Ranjith G, S. K. Samdarshi, H. Mutin and B. Boury,	Effect of silver deposition on detoxification and disinfection performance of a TiV oxide photocatalyst.	Presented at JEP 2011 symposium, France		2011	

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
1	Das D & Borah S & Kalita P	Performance Evaluation of a Modified Solar Still	Frontier Energy Research with Industry Academia Partnership (FERIAP) 2015, IIT Guwahati	N	53-54, March 20-21, 2015	
2	Gogoi B B & Kalita P	Numerical simulation of Hydrodynamics of a Circulating Fluidized Bed riser	Frontier Energy Research with Industry Academia Partnership (FERIAP) 2015, IIT Guwahati	N	42-44, March 20-21, 2015	
3	Washima Tasnin, P K Choudhury,	Designing of a temperature control mechanism for solar water heating system	International Conference on Green Energy and Smart Materials Through Science, Technology and Management (GESM – 2014), Gauhati University	I	Jan, 2014	
4	Bibha Boro, Sanjay Basumatary, Pradyumna K. Choudhury	Non-conventional feedstocks, production, properties and blending effect of biodiesel: a review	International Conference on Green Energy and Smart Materials Through Science, Technology and Management (GESM – 2014), Gauhati University	I	36, Jan, 2014	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
5	Roy Pallavi, Kataki Sampriti, Baruah DC	Management of Anaerobic Digested Slurry for enhancing profitability of Biogas Technology: an analysis	International conference on Green energy and smart materials through science, technology and management (GESM'14) organized by Gauhati University during 21-23 rd January, 2014	I	2014	-
6	Narzary A, Phukan SJ and Deka D..	Electricity generation from Bio-waste based Microbial Fuel Cells	Proceedings of the 12 th International Congress on Renewable Energy (ICORE-2014) on Renewables for Development of Rural Areas held in New Delhi during 8-9 December, 2014	I	2014	
7	Das S, Thakur AJ, and Deka D..	Esterification of oleic acid with methanol using a new imidazolium based brønsted acidic ionic liquid catalyst for biodiesel synthesis	In the proceedings of the International conference on Green Energy & Smart materials through Science, Technology and Management held on 21-23 January, 2014 at Gauhati University jointly organized by Gauhati University, Guwahati, Assam, India and University of South Africa, Florida, South Africa in association with SECONE	I	2014	
8	Das S, Thakur AJ, and Deka D.	Biodiesel production by esterification of oleic acid over a Brønsted acidic ionic liquid catalyst.	In the proceedings of the International conference on Harnessing natural Resources for Sustainable Development- Global Trend held on January 29-31, 2014 in Cotton College, Guwahati, Assam – 781 001, India	I	2014	
9	Saikia, R., Kataki, R.	Perennial grass as a feedstock for	International Conference on	I	November	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
	and Pant, K.K.	thermo-chemical conversion to energy and materials	Emerging Trends in Biotechnology-2014 at JNU New Delhi, November 6-9, 2014.		2014	
10	Bordoloi, Neonjyoti, Phukon, Mayur M., Chutia, Rahul S., Bora, A. and Kataki, R.	Microalgae as a source of Bio-fuel.	International Conference on Harnessing Natural Resources for Sustainable Development: Global Trends, organised by Cotton College, Guwahati, January 29-31, 2014	I	January 2014	
11	Narzari, Rumi, Kataki, R., Gogoi, N. and Borkotoki, B.	Biochar as a Potential soil Amendment and Carbon Sequester.	International Conference on Harnessing Natural Resources for Sustainable Development: Global Trends, organised by Cotton College, Guwahati, January 29-31, 2014	I	January 2014	
12	Sut, D., Brahma, Deepak K. and Kataki, R.	Potential non-edible oil Resources in India as feedstock for Biodiesel Production.	International Conference on Harnessing Natural Resources for Sustainable Development: Global Trends, organised by Cotton College, Guwahati, January 29-31, 2014	I	January 2014	
13	Saikia, Ruprekha and Kataki, R.	Lignocellulosic Perennial grass Biomass as a Potential feedstock for Pyrolytic bio-oil Production.	International Conference on Harnessing Natural Resources for Sustainable Development: Global Trends, organised by Cotton College, Guwahati, January 29-31, 2014	I	29-31 January 2014	
14	Brahma, Deepak K., Sut, D. and Kataki, R.	Biodiesel production from Kayea assamica, its characterization and performance analysis in direct injection diesel engine	International Conference on Green Energy and Smart Materials Through Science, Technology & Management (GESM'14),	I	21 -23 January 2014	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
			organised by Gauhati University, Guwahati, January 21 -23, 2014			
15	Jayswal, Vijay K., Kataki, R. and Samdarshi, S. K.	Electrochemical properties of Ceria doped titania thin films for Solar Energy applications: A review	International Conference on Green Energy and Smart Materials Through Science, Technology & Management (GESM'14), organised by Gauhati University, Guwahati, January 21 -23, 2014	I	21 -23 January 2014	-
16	Brahma, Deepak K., Sut, D. and Kataki, R.	Biodiesel production from non-edible feedstock available in north-eastern region of India and their engine performance	International Conference on Harnessing Natural Resources for Sustainable Development: Global Trends, organised by Cotton College, Guwahati, January 29-31, 2014	I	29-31 January 2014	
17	Micheli L.; Sarmah N.; Luo X.; Fernández E. F.; Reddy K. S.; Mallick T. K.	Technical Issues and Challenges in the Fabrication of a 144-Cell 500× Concentrating Photovoltaic Receiver	In proceeding: IEEE PVSC Conference 2014, USA.		2014	
18	Micheli L.; Sarmah N.; Luo X.; Reddy K. S.; Mallick T. K.	Design and Production of a 2.5 kWe Insulated Metal Substrate-based Densely Packed CPV Assembly.	In Proceeding: CPV-10 Conference 2014, USA.		2014	
19	Shanks K.; Sarmah N.; Reddy K. S.; Mallick T. K.	The design of a parabolic reflector system with high tracking tolerance for high solar concentration.	In Proceeding: CPV-10 Conference 2014, USA.		2014	-
20	Fernández E. F.; Almonacid F.; Sarmah N.; Mallick T. K.; Sanchez I.; Cuadra J. M.; Rodrigo P.; Pérez-	Performance analysis of the linear model for estimating the maximum power of a HCPV module indifferent climatic conditions.	In Proceeding: CPV-10 Conference 2014, USA.		2014	-

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
	Higueras P					
21	Naman G. Z.; Ivaturi A.; Senthilarasu S.; Prabhakara B.; Sellami N.; Sarmah N.; Mallick T. K.; Upadhyaya H.M.	Development of a concentrated photovoltaic thermal hybrid system for heat and power generation in Nigeria	In Proceeding: PVSAT-10 Conference 2014, UK.		2014	
22	Ramirez-Iniguez R.; Muhammad-Sukki F.; Abu-Bakar S. R.; McMeekin S. G.; Stewart B. G.; Sarmah N.; Mallick T. K., Munir A. B.; Yasin S. R. M.; Rahim R. A.	Rotationally Asymmetric Optical Concentrators for Solar PV and BIPV Systems	In Proceeding: 4th IEEE International Conference on Photonics 2013, Malaysia		2013	
23	Mallick T. K.; Sarmah N.; Banerjee S.; Micheli L.; Reddy K. S.; Ghosh P.; Walker G.; Choudhury S.; Pourkashanian M.; Hamilton J.; Giddings D.; Walker M.; Manickam K.; Hazara A.; Balachandran S.; Lokeswaran S.; Grant D.; Nimmo W.; Mathew A.	Design concept and configuration of a hybrid renewable energy system for rural electrification in India through BioCPV project.	In Proceeding: International Conference on Advances in Energy Research (ICAER) 2013, India.		2013	
24	Micheli L.; Sarmah N.; Luo X.; Reddy K. S.; Mallick T. K.	Development of a novel 16-cell densely packed 500x CPV assembly on insulated metal substrate.	In Proceeding: International Conference on Advances in Energy Research (ICAER) 2013, India.		2013	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
25	Theristis M.; Arnaoutakis G. E.; Sarmah N.; Mallick T. K.; O'Donovan T.	Solar spectrum dependent thermal model for HCPV systems.	In proceeding: 13th UK Heat Transfer Conference 2013, UK.		2013	
26	Theristis M.; Arnaoutakis G. E.; Sarmah N.; Mallick T. K.; O'Donovan T.	3D thermal numerical analysis of a densely packed concentrating photovoltaic receiver	In Proceeding: International Conference on Advances in Energy Research (ICAER) 2013, India.		2013	
27	Micheli L.; Sarmah N.; Luo X.; Reddy K. S.; Mallick T. K.	Thermal effects of micro-fins geometry on a silicon receiver for a CPV cooling purpose.	In Proceeding: 27th EU PVSEC Conference 2013, France.		2013	
28	Shank K.; Sarmah N.; Reddy K. S.; Mallick T. K.	The design and optical optimization of a two stage reflecting high concentrating photovoltaic module using ray trace modelling.	In Proceeding: PVSAT-9 Conference 2013, UK.		2013	
29	R. Kataki attended the first Kick-off		Meeting/Symposia of all SAHYOG (Indo-European Union Project) partners at Brussels, Belgium, January 12-13, 2012.	I	12-13, January 2012	
30	Micheli L.; Sarmah N.; Luo X.; Reddy K. S.; Mallick T. K.	Infrared reflecting coverglass for multijunction cells in a terrestrial high-concentrating photovoltaic system.	In Proceeding: 27th EU PVSEC Conference 2012, Germany.		2012	
31	Theristis M.; Sarmah N.; Mallick T. K.; O'Donovan T.	Design and numerical analysis of enhanced cooling techniques for a high concentration photovoltaic (HCPV) system.	In Proceeding: 27th EU PVSEC Conference 2012, Germany.		2012	
32	Sarmah N.; Ghosh A.; Mallick T. K.	Indoor performance analysis of a low concentrating photovoltaic module for building integration.	In Proceeding: CPV-8 Conference 2012, Spain.		2012	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
33	Baig H.; Heasman K. C.; Sarmah N.; Mallick T. K.	Solar cells design for low and medium concentrating photovoltaic systems.	In Proceeding: CPV-8 Conference 2012, Spain.		2012	
34	Dutta B J, Baruah Debarshi, Baruah DC.	Performance evaluation of hot air generator with V- corrugated absorber plate	Proceedings of National Conference on “Efficient Energy Management in Urban & Rural Sector” organized by CDT Foundation, Delhi, 28-29 April,2011	N	2011	-
35	Bhowmik Rajib, Saikia Madhurjya, Baruah DC.	Technology behind green building towards energy efficiency in the	Proceedings of National Conference on “Efficient Energy Management in Urban & Rural Sector” organized by CDT Foundation, Delhi, 28-29 April, 2011.	N	2011	-
36	Boro J. Sedai P and Deka D...	Transesterification of mustard oil using Mollusca shells as catalyst	In the proceedings of the International Conference on Renewable Energy (ICRE-2011) held at Jaipur, India from 17-21 January,2011 organized by Centre for Non-conventional Energy Resources, University of Rajasthan, Jaipur-302055	I	2011	
37	Shyam B, Konwar LJ., Boro J and Deka D..	Biodiesel production from mixture of non-edible vegetable oil of North-east India.	In the proceedings of International Congress on Renewable Energy (ICORE) held at Tezpur University jointly organized by Solar Energy Society of India and Tezpur University during 2-4 November, 2011	I	88-93, 2011	
38	Boro J, Konwar L J., Deka D and Thakur A J..	Review on Carbon Based Catalysts for Biodiesel Production via	In the proceedings of International Congress on Renewable Energy (ICORE) held at Tezpur University	I	63-70, 2011	

Sl. No.	Name of author (s)	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation Index
		Transesterification	jointly organized by Solar Energy Society of India and Tezpur University during 2-4 November, 2011.			
39	Borah, M., Chutia, R.S. and Kataki, R. presented a paper, , in a	Oil spillage at Lakwa drilling site of Sivasagar district, Assam: evaluation of spilled crude oil as influenced by weathering processes	National Seminar on Renewable Energy Technology, organised by NERIST, Itanagar, September 24-25, 2011	N	24-25 September 2011	
40	Nath, T., Das M. and Kataki, R.	Ligno-cellulosic alcohol fermentation from bagasse	National Seminar on Renewable Energy Technology, organised by NERIST, Itanagar, September 24-25, 2011	N	24-25 September 2011	
41	Chutia, R.S., Borah, M., Nath, T. and Kataki, R.	Thermo-chemical conversion of biomass as a sustainable renewable energy technology	National Seminar on Renewable Energy Technology, organised by NERIST, Itanagar, September 24-25, 2011	N	24-25, September 2011	
42	Sarmah N.; Richards B. S.; Mallick T. K.	Development and characterisation of a low concentrating dielectric photovoltaic concentrator.	In Proceeding: SWC Conference 2011, Germany.		2011	
43	Sarmah N.; Natarajan S. K.; Richards B. S.; Mallick T. K.	Numerical investigation of thermal and electrical behaviour of concentrating photovoltaic module with low concentrating dielectric photovoltaic concentrator	In Proceeding: PVSAT-7 Conference 2011, UK.		2011	

D. Chapters in Books

Sl. No.	Authors	Title of chapter	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Kalita P & Mahanta P &	Pressurized Circulating	Energy Science and	Studium Press (USA)	2014	

Sl. No.	Authors	Title of chapter	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
	Saha U K	Fluidized bed Technology: A review towards a novel design approach	Technology	Pvt. Ltd		
2	Baruah DC & Hiloidhari Moonmoon	Biomass Assessment for growth of Bioenergy: A case study in Assam, India	Recent advances in Bioenergy Research, , Kumar S., Sharma AK (Eds)	Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, India, 2013	Volume 1 Pages 28-43. 2013, ISBN 978-81-927097-03	Nil
3	Dutta BJ, Baruah D, Saikia M, Bhowmik M, Baruah DC.	Prospect of Bioenergy substitution in Tea industries of North East India	Recent advances in Bioenergy Research, Kumar S., Sharma AK (Eds)	Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, India	Volume 1, Pages 67-78, 2013 ISBN 978-81-927097-0-3	Nil
4	Singh Manoj Kumar. Mahapatra Sadhan. Atreya S. K.	Green Building Design: A step towards sustainable habitat	R Kataki, A C Borah,	EBH Publishers (India),	2012, ISBN 978 93 80261 78 2	
5	Dutta PP, Jain BC, Mahapatra S. Das R	Modification and Performance Testing of a slow speed Diesel Engine for purely producer gas power Operation	Shankar, G., Das, B., Blange, R.	Excell India Publishers,	2012, ISBN 93 80697 95 3	
6	Das S, Thakur A J and Deka D	. Influence of free fatty acids content in catalytic activities of [BSMIM] Cl ionic liquid for biodiesel production from non-edible acidic oils	Recent Advances in Bioenergy Research, Vol. III	SSS-NIRE-2014, Kapurthala, India	ISBN 978-81-927097-2-7	
7	Bora P, Boro J and Deka D.	Formulation and Characterization of Non-edible oil based micro-emulsified fuel	Suresh and Sudhakar (eds.), 2013	BSP Books Pvt. Ltd., Hyderabad	ISBN: 978-81-7800-286-6	
8	Deka D, Dwivedi P., Dwivedi S. and Kalita M.,	Biofuel resource availability, production and utilization in the case for north east India.	Biodiversity and Environmental Biotechnology	Scientific Publishers, Jodhpur, India	ISBN: 81-7233-467-2	

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1	Kataki, R & Borah, AC	Renewable Energy and Sustainable Development	EBH Publishers	81 8189 194 5	2012
2	Kakati, BK & Verma, A	Carbon-Polymer Composite Bipolar Plate for PEM Fuel Cell	Lap-Lambert Academic Publishing, Germany	978-3-8465-0311-9	2011
3.	S K Samdarshi, S Mahapatra, and S Paul	Renewables: Growth through Acadmeia-Industry Interface, Solar Energy Society of India, New Delhi.	Solar Energy Society of India	-	2011

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A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1.	Mishra,P ^C & Dutta, N & Mahanta, CL	Partial extraction and identification of phenolics in Amla (Emblica officinalis) seed coat powder	Journal of Food Science and Technology (Springer)	A, E	10.1007/s13197-015-1835-y	2.024	
2.	Borah,A & Mahanta, CL ^C & Kalita, D	Optimization of process parameters for extrusion cooking of low amylose rice flour blended with seeded banana and carambola pomace for development of minerals and fiber rich breakfast cereal	Journal of Food Science and Technology (Springer)	A, E	Accepted	2.024	
3.	Das, B & Chattopadhyay,P & Maji, S & Aadesh Upadhyay,A & Das Purkayastha, M & Mahanta,C L & Maity, T K & Karak, N	Bio-functionalized MWCNT/hyperbranched polyurethane bionanocomposite for bone regeneration	Biomedical Materials (IOP Publishing Ltd.)	A	doi:10.1088/ 1748-6041/10/2/025011	2.922	
4.	Das,P M & Manhar,A K & Das,V K & Borah,A & Mandal, M & Thakur,AJ	Antioxidative, Hemocompatible, Fluorescent Carbon Nanodots from an “End-of-Pipe” Agricultural	Journal of Agricultural and Food Chemistry (ACS)	B, E	62(20): 4509–4520, 2014	3.107	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Mahanta ^C , CL	Waste: Exploring Its New Horizon in the Food-Packaging Domain.					
5.	Das, M & Gogoi, J & Kalita, K & Chattopadhyay, P & Nakhuru, S K & Goyary, D & Mahanta ^C , CL	Physicochemical and Functional Properties of Rapeseed Protein Isolate: Influence of Antinutrient Removal with Acidified Organic Solvents from Rapeseed Meal	Journal of Agricultural and Food Chemistry (ACS)	B, E	62(31): 7903–7914 2014.	3.107	
6.	Dutta, H & Mahanta ^C , CL	Laboratory Process Development and Physicochemical Characterization of a Low Amylose and Hydrothermally Treated Ready-to-Eat Rice Product Requiring No Cooking.	Food and Bioprocess Technology. (Springer)	A, E	7(1): 212-223, 1, 2014	3.126	4
7.	Mishra ^C , P & Mishra, S & Mahanta, CL	Effect of maltodextrin concentration and inlet temperature during spray drying on physicochemical and antioxidant properties of amla (<i>Emblica officinalis</i>) juice powder.	Food and Bioproducts Processing (Elsevier)	B	92(3), 252-258, 2014	2.285	8
8.	Das Purkayastha, M & Dutta, N & Kalita, D & Mahanta ^C , C L	Exploratory Analysis for Characterization of Solvent-Treated Products (Meal and Extract) from	Waste Biomass Valorization. (Springer)	A, B	5(5), 835-846, 2014.	--	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Rapeseed Press-Cake:Preliminary Investigation Using Principal Component Analysis,					
9.	Das Purkayastha, M & Mahanta ^C , C L	Statistically designed optimal process conditions for recuperation of protein from rapeseed meal.	Journal of Food Science and Technology. (Springer)	A,E.	DOI 10.1007/s13197-014-1299-5	2.204	
10.	Das Purkayastha, M & Barthakur,A & Mahanta ^C ,CL	Production of vegetable protein from rapeseed press-cake using response surface methodology, weighted multivariate index and desirability function: a way to handle correlated multiple responses	International Journal of Food Properties (Taylor & Francis)	P	(ID: 891612 DOI:10.1080/10942912.2014.891612)	0.906	
11.	Mahnot,N K & Kalita,D & Mahanta ^C ,C L & Chaudhuri,M K	Effect of additives on the quality of tender coconut water processed by nonthermal two stage microfiltration technique	LWT - Food Science and Technology. (Elsevier)	B	59(2),1191-1195,2014.	2.46	
12.	Das Purkayastha, M & Manhar, A.K & Mandal, M & Mahnata ^C , CL	Industrial Waste-Derived Nanoparticles and Microspheres Can Be Potent Antimicrobial and Functional Ingredients	Journal of Applied Chemistry (Hindawi)	C	http://dx.doi.org/10.1155/2014/171427	--	
13.	Saikia, S & Mahnot, NK. &	Optimisation of phenolic extraction from <i>Averrhoa</i>	Food Chemistry (Elsevier)	B	171: 144–152, 2015	3.259	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Mahanta ^C , CL	<i>carambola</i> pomace by response surface methodology and its microencapsulation by spray and freeze drying.					
14.	Saikia, S & Mahnot, NK & Mahanta ^C , C L	Effect of Spray Drying of Four Fruit Juices on Physicochemical, Phytochemical and Antioxidant Properties	Journal of Food Processing and Preservation (Wiley)	A,B, P	DOI: 10.1111/jfpp.12395	0.938	
15.	Bhattacharjya, B & Dutta, H & Patwari, K.& Mahanta ^C ,C L	Properties of annealed jackfruit (<i>artocarpus heterophyllus</i> lam.) seed starch	Acta Alimentaria- An International Journal of Food Science (Akadémiai Kiadó)	A	Accepted	0.43	
16.	Mishra ^C , P & Rai, GK & Mahanta, CL	Process standardization for development of spray dried lemon juice powder and optimization of amla-lemon based RTS (ready to serve drink) using Response Surface Methodology	Journal of Food Processing and Preservation (Wiley)	A,B, P	DOI: 10.1111/jfpp.12338	0.938	
17.	Dutta, H & Mahanta ^C , CL	Traditional parboiled rice-based products revisited: Current status and future research challenged	Rice Science (Elsevier)	P	21(4): 187-200,7, 2014.	0.209	3
18.	Mishra ^C , P & Mahanta, C L	Comparative Analysis of Functional and Nutritive Values of Amla (<i>Emblica officinalis</i>) Fruit, Seed and Seed Coat Powder.	American Journal of Food Technology. (Academic Journals Inc. , USA)	C,E.	9(3): 151-161.	--	2
19.	Barman S & Sit N ^C	Pectinase production by	Journal of Food Science	A,B,C,D		2.024	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	& Badwaik LS & Deka SC	Aspergillus niger using banana (<i>Musa balbisiana</i>) peel as substrate and its effect on clarification of banana juice.	and Technology				
20.	Khawas P & Das A J & Dash KK & Deka SC ^C	Thin-layer drying characteristics of kachkal banana peel (<i>Musa ABB</i>) of Assam, India	International Food Research Journal	A, C, E	21(3) 1011-1018 2014	--	3
21.	Khawas P & Das A J & Sit N & Badwaik L S & Deka S C ^C	Nutritional Composition of Culinary <i>Musa ABB</i> at Different Stages of Development.	American Journal of Food Science and Technology,	A, C	2(3) 80-87 2014	2.3	
22.	Das A J & Khawas P & Miyaji T & Deka SC ^C	HPLC and GC-MS analyses of organic acids, carbohydrates, amino acids and volatile aromatic compounds in some varieties of rice beer from Northeast India	Journal of the Institute of Brewing	A,B,C,D		0.837	1
23.	Sit N ^C & Misra S & Deka S C	Combined effect of ultrasound and enzymatic pretreatment on yield and functional properties of taro (<i>Colocasia esculenta</i>) starch	Starch/Starke	A,B,C,D	66(11-12) 959-967 2014	--	
24.	Sit N ^C & Deka SC & Misra S	Optimization of starch isolation from taro using combination of enzymes and comparison of properties of starches isolated by enzymatic and	J Food Sci Technol	A,B,C,D		--	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		conventional methods					
25.	Badwaik LS ^C & Borah P & Deka SC	Production and purification of anti-bacterial biometabolite from wild type lactobacillus, isolated from fermented bamboo shoot: Future suggestions and a proposed system for secondary metabolite onsite recovery during continuous fermentation.	Biochemistry and Biotechnology	P	175(4) 1915-25 2015		1.687
26.	Das AJ & Seth D & Miyaji T & Deka SC ^C	Fermentation optimization of probiotic rice beer and its application for cassava and plantain beer production	Journal of the Institute of Brewing	A,B,C,D	121(2) 273-282 2015	0.837	
27.	Das AJ & Khawas P & Miyaji T & Deka S C ^C	Effect of various microbial starters for amylolytic fermentation on some quality attributes of rice beer.	International Food Research Journal	A, C, E	21(6): 2443-2450 (2014)	--	
28.	Badwaik L S ^C & Borah P K & Das A J & Deka S C & Sharma H K	Influence of fermentation on nutritional compositions, antioxidant activity, total phenolic and microbial load of bamboo shoot	Food Science and Technology Research	A, C, E	20 (2) 255-262 2014	--	
29.	AasimaRafiq, Juri Chowdhary, M.K Hazarika ^C , Hilal	Temperature dependence on hydration kinetic model parameters during	J Food SciTechnol, Association of Food Scientists &	A,B,C,D	DOI 10.1007/s13197-015-1790-7, 15 th March,	--	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Ahmad Makroo	rehydration of parboiled rice	<i>Technologists</i>		2015		
30.	Hazarika, M.K. ^C and Datta, A.K.	Estimation of Drying Rate Constant from Static Bed Moisture Profile by Neural Network Inversion	Agricultural Engineering International: the CIGR Journal		Vol. 16, No.1 Page:253-264 March, 2014		3
31.	Bezbaruah, B.J. and Hazarika, M.K. ^C	Generalization of temperature and thickness effects in kinetic studies of turmeric (<i>Curcuma longa</i>) slices drying,	International Food Research Journal	A, C	Vol.21(4): Page:1529-1532 28 January 2014	--	
32.	Saikia, D & Sit ^C , N	Effect of using sourdough and frozen dough for preparation of breads on quality, shelf life and staling	American Journal of Food Technology, <i>Academic Journals Inc.</i>	B, C	9 (4) 223-230 2014	None	None
33.	Mishra, P ^C & Dutta N & Mahanta, CL	Partial extraction and identification of phenolics in Amla (<i>Emblica officinalis</i>) seed coat powder	<i>Springer</i>	B	On line published	2.02	-
34.	Mishra P & Mahanta CL	Comparative Analysis of Functional and Nutritive Values of Amla (<i>Emblica officinalis</i>) Fruit, Seed and Seed Coat Powder	Science alert	A	9: 151-161	-	2
35.	Mishra P ^C & Rai GK, Mahanta CL	Process standardization for development of spray dried lemon juice powder and optimization of amla –	Journal of Food Processing and Preservation, Wiley	A, C, E	Online published	0.98	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		lemon based RTS (ready to serve drink) using Response Surface Methodology					
36.	Duary R K & Batish V K & Grover S ^C	Immunomodulatory activity of two potential probiotic strains in LPS-stimulated HT-29 cells	Genes & Nutrition, <i>Springer</i>	A, C, E	9(3):398; 2014	3.419	1
37.	Chauhan R & Aparna Sudhakaran V & Panwar H & Mallapa R H & Duary R K & Batish V K & Grover S ^C	Amelioration of colitis in mouse model by exploring antioxidative potentials of an indigenous probiotic strain of <i>Lactobacillus fermentum</i> Lf1.	BioMed Research International, <i>Hindawi Publishing Corporation</i>	C, E	2014: 206732; 2014	2.706	3
38.	Seth D., Badwaik LS & Ganapathy V.	Effect of feed composition, moisture content and extrusion temperature on extrudate characteristics of yam-corn-rice based snack food	JFST <i>Springer Inc.</i>	A,B,C,E	52(3) 1830-1838 2015	2.024	1
(2013-14)							
1.	Das Purkayastha, M & Das, S & Manhar,AK & Deka, D & Mandal, M. & Mahanta ^C , C L	Removing antinutrients from rapeseed press-cake and their benevolent role in waste cooking oil-derived biodiesel: conjoining the valorization of two disparate industrial wastes.	<i>Journal of Agricultural and Food Chemistry (ACS)</i>	B,E	61(45):10746–10756 10,2013	3.107	11

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
2.	Kalita D & Kaushik N & Mahanta ^C , C L	Physicochemical, morphological, thermal and IR spectral changes in the properties of waxy rice starch modified with vinyl acetate.	Journal of Food Science and Technology. (Springer)	B	51(10):2790–2796, 2014	2.024	1
3.	Roy, J K & Borah, A & Mahanta, C L & Mukherjee ^C , A.K	Cloning and overexpression of raw starch digesting α -amylase gene from <i>Bacillus subtilis</i> strain AS01a in <i>Escherichia coli</i> and application of the purified recombinant α -amylase (AmyBS-I) in raw starch digestion and baking industry.	Journal of Molecular Catalysis B: Enzymatic (Elsevier)	B	97: 118– 129,2013	2.754	3
4.	Hazarika,E.B. Borah,A., & Mahanta ^C C.L.	Optimisation of extrusion cooking conditions and characterization of rice (<i>Oryza sativa</i>)- sweet potato (<i>Ipomoea batatas</i>) and rice-yam (<i>Dioscorea alata</i>) based RTE products.	Agricultural Sciences (Scientific Research Publishing)	C	4 (9B):12-22, 2013	0.62	
5	Sit N ^C & Misra S & Dekka SC	Physicochemical, functional, textural and colour characteristics of starches isolated from four taro cultivars of North-East India	Starch-Starke	A,B,C,E	66 294-302 2014	1.401	2

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
6	Badwaik LS ^C & Choudhury S & Borah PK & Sit N & Deka S C	Comparison of kinetics and other related properties of bamboo shoot drying pretreated with osmotic dehydration.	Journal of Food Processing and Preservation	A,B, P	38 (3) 1171-1180 2014	0.938	3
7	Badwaik LS ^C & Choudhury S & Borah P K & DekaSC	Optimization of osmotic dehydration process of bamboo shoots in mixtures of sucrose and sodium chloride solutions	Journal of Food Processing and Preservation	A,B, P	37 (6) 1068-1077 2014	0.938	3
8	Sit N ^C & Misra S & Deka S C	Yield and functional properties of taro Starch as affected by ultrasound.	Food and Bioprocess Technology		7 (7) 1950-1958 2014	3.126	1
9	Sit N ^C & Misra S & Deka SC	Characterization of physicochemical, functional, textural and color properties of starches from two different varieties of taro and their comparison to potato and rice starches	Food Science and Technology Research		20 (2) 357-365 2014		
10	Badwaik LS ^C & Borah P K & Deka SC	Antimicrobial and enzymatic antibrowning film used as coating for bamboo shoot quality improvement.	Carbohydrate Polymers		103 (15) 213-220 2014	4.330	5
11	Sit N ^C & Misra S & Baruah D & Badwaik L S & Deka S C	Physicochemical properties of taro and maize starch and their effect on texture, colour and sensory quality of tomato ketchup.	Starch/Starke	A,	66 (3-4) 294-302 2014	1.401	2

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
12	Borah, P & Sit ^C , N	Optimization of drying conditions of <i>Xanthosoma sagittifolium</i> (tannia) tubers in tray dryer using response surface methodology	Journal of Food Processing and Preservation, Wiley Periodicals, Inc.	A, B, C	39 190-198 2015	0.938	None
13	Badwaik, L S & Prasad, K & Seth, D ^C	Optimization of ingredient levels for the development of peanut based fiber rich pasta	Journal of Food Science and Technology <i>Springer</i>	A, B, C, E	51-10 2713-2719 2014	2.024	1
14	Mishra, P ^C , Mishra S, Mahanta, CL	Effect of maltodextrin concentration and inlet temperature during spray drying on physicochemical and antioxidant properties of amla (<i>Emblca officinalis</i>) juice powder;	<i>Elsevier</i>	B		2.285	8
15	Aparna Sudhakaran V & Panwar H & Chauhan R & Duary RK & Rathore RK & Batish VK & Grover S ^C	Modulation of anti-inflammatory response in lipopolysaccharide stimulated human THP-1 cell line and mouse model at gene expression level with indigenous putative probiotic lactobacilli.	Genes & Nutrition, <i>Springer</i>	A, C, E	8(6):637-48; 2013	3.419	3
16	Chandran A & Duary R K & Grover S ^C & Batish V K	Relative expression of bacterial and host specific genes associated with probiotic survival and viability in the mice gut fed with <i>Lactobacillus</i>	Microbiological Research, <i>Elsevier</i>	A, C, E	168(9):555–562; 2013	1.939	1

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		<i>plantarum</i> Lp91.					
17	Bhattacharya SS ^C & Barman S & Ghosh R & Duary RK & Goswami L & Mandal NC	Phosphate solubilizing ability of <i>Emericella nidulans</i> strain V1 isolated from vermicompost.	Indian Journal of Experimental Biology, <i>National Institute of Science Communication and Information Resources, CSIR</i>	A,C	51: 840-848; 2013	0.753	3
18	Badwaik LS ^C , Prasad K & Seth D	Optimization of ingredient levels for the development of peanut based fiber rich pasta	JFST <i>Springer Inc.</i>	A, B, C, E		--	
19	Deb M & Seth D ^C	Studies on the Physico-chemical and Microbiological analysis of Plain dahi of Assam.	J of Bioresource Engineering & Technology, <i>Jakraya Inc.</i>	A,C,P		--	
(2012-13)							
1.	Das Purkayastha, M & Kalita, D Mahnot, NK Mahanta, CL Mandal, M ^C Chaudhuri, MK	Effect of L-ascorbic acid addition on the quality attributes of micro-filtered coconut water stored at 4 °C.	Innovative Food Science & Emerging Technologies. (Elsevier)	B	16(10): 69-79, 2012	2.248	3
2.	Das Purkayastha, M & Nath, A & Deka, B C & Mahanta ^C , C L	Thin layer drying of tomato slices.	Journal of Food Science and Technology. (Springer)	E	50 (4): 642-653, 2013	2.024	21
3.	Das, D K & Dutta, H & Mahanta ^C , CL	Development of a rice starch-based coating with antioxidant and microbe-barrier properties and study of its effect on tomatoes stored at room temperature,	LWT - Food Science and Technology. (Elsevier)	B	50 (1) :272-278, 2013	2.46	14

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
4.	Saikia, S & Mahanta ^C , C L	Effect of steaming, boiling and microwave cooking on the total phenolics, flavonoids and antioxidant properties of different vegetables of Assam, India.	International Journal of Food and Nutrition Sciences.	P	2(3):47-53, 2013	1.202	
5.	Dash K K ^C & Das S K & Deka S C	Process modeling for the shelf life of the microwave puffed rice.	International Journal of Agriculture and Food Science Technology (Special Issue)	C,P	3(3): 191-194	--	
6.	Sit N ^C & Gayan H & Badwaik L S & Deka S C	Development of protein rich RTS beverage by incorporating whey in carambola juice	International Journal of Agriculture and Food Science Technology (Special Issue)	C,P	3(3) 199-201 2012	--	
7.	Badwaik L S ^C & Borah P K & Borah K & Sit N & Deka SC	Antimicrobial activity of indigenous medicinal plant extract on spoilage microbes present in bamboo shoots.	International Journal of Agriculture and Food Science Technology (Special Issue)	C,P	3(3) 234-237 2012	--	
8.	Badwaik L S ^C & Choudhury M & Dash K K & Borah PK & Deka SC	Osmotic dehydration of bamboo shoots enhanced by centrifugal force and pulsed vacuum using salt as osmotic agent	Journal of Food Processing and Preservation	A, C, P	38(5) 2069-2077 2014	--	2
9.	Achuthan A A & Duary R K. & Anupama M & Panwar H & Kumar H & Batish V K & Grover S ^C	Antioxidative potential of indigenous lactobacilli isolated from the gut of Indian people.	Molecular Biology Reports, <i>Springer</i>	A, C, E	39 (8), 7887-7897; 2012.	1.958	9

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
10.	Duary R K & Bhausaheb M A & Batish V K & Grover S ^C	Anti-inflammatory and immunomodulatory efficacy of indigenous probiotic <i>Lactobacillus plantarum</i> Lp91 in colitis mouse model.	Molecular Biology Reports, <i>Springer</i>	A, C, E	39 (4), 4765-4775; 2012	1.958	33
11.	Rashmi H M & Rokana N & Duary R K & Panwar H & Batish V K & Grover S ^C	Management of Metabolic Syndrome through Probiotic and Prebiotic interventions.	Indian Journal of Endocrinology and Metabolism, <i>Endocrine Society of India</i>	C	16(1): 20-27; 2012	-	26
12.	Duary R K & Batish V K & Grover S ^C	Relative gene expression of bile salt hydrolase and surface proteins in two putative indigenous <i>Lactobacillus plantarum</i> strains under in vitro gut conditions.	Molecular Biology Reports, <i>Springer</i>	A, C, E	39(3):2541-2552; 2012	1.958	17
13.	Seth D ^C . & Gopi rajah R.	Development of extruded snacks using soy, sorghum, millet and rice blend–A response surface methodology approach	IJFST <i>Wiley Inc.</i>	A,B,C, E	47 1526-1531 2012	1.354	16
(2011-12)							
1.	Dutta, H & Paul, S K & Kalita, D & Mahanta ^C , C L	Effect of acid concentration and treatment time on acid–alcohol modified jackfruit seed starch properties.	Food Chemistry (Elsevier)	B	128 (9):284–291, 2011	3.259	15
2.	Saikia, S & Dutta, H & Saikia, D & Mahanta ^C , C L	Quality characterisation and estimation of phytochemicals content	Food Research International. (Elsevier)	B	46(4): 334-340, 2012	3.05	14

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		and antioxidant capacity of aromatic pigmented and non-pigmented rice.					
3.	Das Purkayastha, M & Kalita, D & Das, V K & Mahanta ^C , CL & Thakur, AJ & Chaudhuri, M.K	Effect of L-ascorbic acid addition on micro-filtered coconut water: Preliminary quality prediction study using ¹ H-NMR, FTIR and GC-MS.	Innovative Food Science & Emerging Technologies (Elsevier)	B	13(1): 184-199 , 2012	2.248	5
4.	Dutta, H & Mahanta ^C CL	Effect of hydrothermal treatment varying in time and pressure on the properties of the parboiled rices with different 271mylase content.	Food Research International. (Elsevier)	B	49(2): 655-663,2012	3.05	9
5.	Balasubramanian, S & Borah, A & Mahanta ^C , C L	Rheological and nutritional properties of legumes incorporated corn extrudates.	International Food Research Journal (Universiti Putra Malaysia)	E	19 (3), 971-975, 2012	--	1
6.	Konwarh. R & Pramanik, S & Kalita, D & Mahanta, C L & Karak ^C , N	Ultrasonication – A complementary ‘green chemistry’ tool to biocatalysis: A laboratory-scale study of lycopene extraction.	Ultrasonics Sonochemistry (Elsevier)	B	19(3): 292-299,2012	3.816	21
7.	Saikia D & Deka SC ^C	Cereals: from staple food to neutraceuticals	International Food Research Journal	A,C		--	
8.	Sit N ^C & Umashankar A & Deka SC	Effect of cellulase treatment on extraction of starch from potato	International Food Research Journal	A,C		--	

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
9.	Kapoor R & Badwaik L S ^C & Sit N & Deka S C	Utilization of whey for preparations of alcoholic beverages.	Beverages & Food World	A,C		--	
10.	Das A J & Miyaji T & Deka S C ^C	Methodology of rice beer preparation and various plant materials used in starter culture preparation by some tribal communities of North-East India: A survey.	International Food Research Journal	A,C		--	7
11.	Badwaik LS ^C & Prasad K & Deka S C	Optimization of extraction conditions by response surface methodology for preparing partially defatted peanut	International Food Research Journal	A,C		--	
12.	Das A J & Deka S C ^C	Mini Review Fermented foods and beverages of the North-East India.	International Food Research Journal	A,C		--	7
13.	Dash K K ^C & Goswami TK & Deka S C.	Modeling for the modified atmosphere packaging of Sapota fruit,	Agricultural Engineering International	A,C		--	
14.	Mishra P & Verma V & Mishra V & Mishra S & Rai GK ^C	Studies on Development of Ready to Eat Amla (<i>Emblica officinalis</i>) Chutney and its Preservation by using Class One Preservatives	Science alert	A	6:	--	10
15.	Mishra P ^C , Mishra S	Study of Antibacterial Activity of <i>Ocimum sanctum</i> Extract Against Gram Positive and Gram Negative Bacteria	Science alert	A	6: 336-341	--	44

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
16.	Duary R K & Rajput YS & Batish V K & Grover S ^C	Assessing the adhesion of putative indigenous probiotic lactobacilli to human colonic epithelial cells.	Indian Journal of Medical Research, <i>Indian Council of Medical Research</i>	C	134: 664-671; 2011	1.661	36
17.	Seth D. & Mishra H.N ^C .	Optimization of Honey Candy Recipe using Response Surface Methodology	American Journal of Food Technology <i>American Journals Inc., USA</i>	A, C, E	6(11) 985-993 2011	0	3
18.	Amit Baran Das and Prem Prakash Srivastav ^C	Acrylamide in snack foods	<i>Toxicology Mechanisms and Methods</i>	A,C		1.35	

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1	Singh, P & Sethi, A & Nigam, S, & Srivastava, B ^C	Hot air drying characteristics of Indian Olives (<i>Elaeocarpus floribundus</i>)	National conference on Emerging Trends in Agricultural Engineering held during November 07-09, 2014 at NERIST, Nirjuli, Itanagar.	N	November 2014	
2	Kalita, D & Srivastava, B ^C .	Physico-Chemical and malting properties of low amylase rice of Assam	National conference on Emerging Trends in Agricultural Engineering held during November 07-09, 2014 at NERIST, Nirjuli, Itanagar.	N	November 2014	
3	Watharkar, R B & Srivastava, B ^C	Thin layer drying and moisture diffusivity study of wild banana (<i>Musa Balbisiana</i>)	National conference on Emerging Trends in Agricultural Engineering held	N	November 2014	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
			during November 07-09, 2014 at NERIST, Nirjuli, Itanagar.			
4	Majumder, A & Srivastava, B & Hazarika, M K ^c	Image Processing Based Study of Browning Kinetics of Banana Inflorescence	3rd International Conference on Food Technology (Incoftech-2013) held during 4-5 January 2013 at IICPT, Thanjavur.	I	January 2013	
5	Srivastava, B ^c & Hazarika, M K	Drying of Chopped Cabbage with Natural Circulation Solar Dryer with Chimney	International Congress on Renewable Energy (ICORE 2011) on Renewable: Growth Through Academia-Industry Interface held during 2-4 Nov. 2011 at Department of Energy, Tezpur University.	I	November 2011	
6	Seth D	Development of Extruded snacks using Yam, Rice and Corn flour blends.	National symposium on Emerging Innovative Technologies for Assurance of Quality and Safety in Processed Foods	N	14 2011	0

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
1	Deka SC & Das A J & Sit N	Microbiological and biochemical characterization of nine different varieties of rice beer collected from	"Fermented Foods, Health Status and Social Well Being: Challenges and Opportunities"	I		

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
		different regions of North-East India. Paper presented at at 5 th International Conference on "Fermented Foods, Health Status and Social Well Being: Challenges and Opportunities" held at CFTRI, Mysore, India December 15-16, 2011.				
2	Deka SC	A myriad of starter cultures used in rice beer preparation of North-East India	"Fermented Foods, Health Status and Social Well Being: Challenges and Opportunities"	I		
3	Khawas P & Deka SC & Das A J& Sit N	Biochemical and Nutritional Composition of culinary <i>Kachkal</i> (<i>Musa ABB</i>) of Assam.	Role of bioactive compounds in foods on human health	N		
4	Khawas P & Deka S C & Das A J & Sit N	Isolation and Partial Characterization of Starch from Culinary Banana " <i>Kachkal</i> " (<i>Musa ABB</i>) of Assam.	"Fermented Foods, Health Status and Social Well Being: Challenges and Opportunities"	I		
5	Deka SC	Food Processing and Value Addition (Invited talk),	Workshop at National seminar on biochemical and biotechnological research approaches for bio resource management of northeast India towards sustainable rural	N		

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
			development.			
6	Miyaji T & Muramatsu Y & Fujimura S & Nakagawa J & Deka SC	Estimation of microbial count in ground pork using Small Columnar Agar Medium (SCAM) and microbial calorimetry	The Asian Food Security Association (AFSA) 1 st AFSA Conferences on Food Safety and Food Security September 15-17, 2012. Osaka, Japan. Venue: Rinku Campus, Osaka Prefecture University, Japan (Abstract Published in Journal of Food Science and Engineering			
7	Das A.J & Deka SC & Miyaji T & Khawas P & Sit N & Badwaik LS	Quality assessment of twelve different varieties of starter cakes used for rice beer preparation in Northeast India	Innovations in Food Processing, Value Chain Management & Food Safety (IFpvs)	I		
8	Khawas P & Deka SC & Das AJ & Sit N & Badwaik LS	Development of Type-III resistant starch from culinary banana (<i>Musa ABB</i>) of Assam and determination of glycemic index in disease free humans.	Innovations in Food Processing, Value Chain Management & Food Safety (IFpvs)	I		
9	Khawas P & Das AJ & Das G and Deka SC	Biochemical and nutritional compositions of culinary <i>kachkal</i> peel (<i>Musa ABB</i>) affected by various growth stages.	7 th International Food Convention, IFCON 2013	I		
10	Das A J & Das, G &	Phytochemical	7 th International Food			

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
	Khawas P & Miyaji T & Deka S C	estimation and HPLC analysis of polyphenols in few plant species used for rice beer preparation in Assam.	Convention, IFCON 2013			
11	Samyori Dui & Das AB & Deka SC	Studies on physicochemical properties of some selected underutilized rice cultivars of Arunachal Pradesh	7 th International Food Convention, IFCON 2013	I		
12	Saha J & Deka S C	Nutrient content of green leafy vegetables of Assam, India.	7 th International Food Convention, IFCON 2013	I		
13	Malakar B & Jha P & Das A J & Deka S C	Probiotic properties of microflora isolated from tungrymbai: a fermented soybean product of Meghalaya	Recent Trends of Research in Science and Technology	N		
	Miyaji T & Akihito E & Junichi N & Deka SC	Microbial formation of nitrite ion in salted salmon roe (Sujiko).	2nd AFSA Conference of Food Safety and Security wef 15	I		
14	Khawas P & Das AJ & Deka S C	Encapsulation of natural antioxidant compounds from culinary <i>Musa</i> by co-crystallization.	Biotechnology Research in Northeast India Present and Future, Vth Scientific workshop	N		
15	Das A J & Das G & Deka SC		Biotechnology Research in Northeast India Present and Future, Vth Scientific workshop	N		
16	Khawas P & Das A J	Thin-layer drying	National conference on			

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N / I / R / L)	Page Nos. Month-Yr	Citation index
	& Dash K K & Deka S C	characteristics of culinary banana and assessment of physicochemical and microstructural properties in dried banana slices.	Emerging Technology Trends in Agricultural Engineering.			
17	Saha J & Deka SC	Mineral contents of some underutilized green leafy vegetables of Assam, India.	National conference on Emerging Technology Trends in Agricultural Engineering.	N		
18	Samyort D & Deka S C	Pigmented rice- A potential source of bioactive compounds.	National conference on Emerging Technology Trends in Agricultural Engineering.	N		
19	Das A J & Das G & Miyaji T & Deka S C	Purified polyphenols and their <i>in vitro</i> oxidation activities from four plant species used in rice beer preparation in Assam, India.	International Conference on Disease Biology and Therapeutics,	I		
20	Deka S C	Encapsulation of bioactive compounds by cocrystallisation and its application in functional food formulation	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences.	N		
21	Samyort D Deka SC & A B Das	Effect of different pH and temperature on the stability of anthocyanidin content of	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and	N		

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
		red rice.	Biological Sciences.			
22	Sit N & Deka S C	Effect of various enzymes and their combination on yield of starch from taro tubers.	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences	N		
23	Seth D & Mishra H N & Deka S C	Influence of spray drying conditions on the physical properties of mistidahi powder	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences	N		
24	Badwaik L S Borah P K & Deka S C	Development of antimicrobial-antibrowning edible coating and its effect on bamboo shoot quality	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences	N		
25	Mangang Kh C S & Das & A J & Deka S C	Storage studies of two types of rice beers prepared using a variety of black pigmented rice (Oryza sativa cv. Poiretron) from Manipur, India.	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences	N		
26	Begum Y A & Khawas P & Deka SC	Green synthesis of hydroxyapatite nanoparticles using Musa ABB bract pectin and their spectral characterization.	National Seminar cum Workshop on Innovative Prospects in Food Processing: Integration of Engineering and Biological Sciences	N		
27	Deka S C	Novel Utilization of	"National Conference on	N		

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N / I / R / L)	Page Nos. Month-Yr	Citation index
		Poietron - A Variety of Black Rice from Manipur, India"	Prospects & Challenges in Indigenous Foods and Drinking Sector			
28	Makroo, H A & Srivastava, B ^c	Soaking characteristics of low amylase rice stored at different temperatures	7th international food convention on NSUREHEALTHY FOODS held during 18-21 December 2013 at CSIR-CFTRI, Mysore, India.	I	December 2013	
29	Makroo, H A & Srivastava, B ^c	Pasting properties and peroxide value of vacuum packaged traditionally treated low amylase rice of Assam	7th international food convention on NSURE-HEALTHY FOODS held during 18-21 December 2013 at CSIR-CFTRI, Mysore, India.	I	December 2013	
30	Kalita, D & Makroo, H A & Srivastava, B ^c	Rheological characteristics of low amylase-wild banana based instant baby food	7th international food convention on NSURE-HEALTHY FOODS held during 18-21 December 2013 at CSIR-CFTRI, Mysore, India.	I	December 2013	
31	Das, H & Makroo, H A & Hazarika, M K & Srivastava, B ^c	Drying and Textural Characteristics of Hydrothermally Pretreated Hot Air Dried "Bhim Kol" (Musa Balbisiana) Slices	International Conference on IFpvs-2013 held during 10-11 January 2013 at NIFTEM, Sonapat Haryana.	I	January 2013	
32	Srivastava, B ^c	Suitable Drying Model for Dehumidified Air Drying of Sliced Carrot	National Conference on Role of Bioactive Compounds in Foods on Human Health (BIOFOODS 2011) held during 14-16 Nov. 2011 at Department of Food	N	November 2011	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N /I /R /L)	Page Nos. Month-Yr	Citation index
			Engineering & Technology, Tezpur University.			

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Charu Lata Mahanta and Dipankar Kalita	Processing and utilisation of jackfruit seeds	Processing and impact on active components in food edited by Victor Preedy	Academic Press (Elsevier)	395-400, 2015	
2	Das, A. J. and Deka, S. C	Rice beer preparation of North-East India: A myriad of starter cultures used. In: Indigenous Fermented Foods of South Asia				
3	Badwaik, L. S., Borah, P. and Deka, S. C.	Fermented bamboo shoot. In: Indigenous Fermented Foods of South Asia				
4	Hazarika, M.K	Energy-Efficient Food Processing: Principles and Practices in Fundamentals of Advanced Food Process Engineering,	Editor J.K. Sahu	CRC Press.	(Ch.20) 2014	
5	Badwaik, L S & Kapoor R & Saxena, R & Agarwal, R	Development of Alcoholic Beverage By Utilizing Whey	Bio-processing of foods DC Saxena	Asiatech Publishers, Inc. New Delhi	359-365 2011	Nil

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A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1.	Dutta ^C , P P, Pandey, V, Das, AR, Sen, S. & Baruah, D C.	Downdraft Gasification Modelling and Experimentation of Indigenous Biomass for Thermal Application	Energy Procedia; <i>Elsevier</i>	E	54: 21-36 (2014)	Nil	Nil
2.	Dutta ^C , P P & Baruah, D C.	Modelling and Experimental Studies of Black Tea Using Producer Gas as Fuel	Applied Thermal Engineering; <i>Elsevier</i>	E	63: 495-502 (2014)	2.624	03
3.	Dutta ^C , P P & Baruah, D C.	Possibility of Biomass gasification in Tea Manufacturing Industries	International Journal of Renewable Energy Technology; <i>Inderscience</i>	D	5(4): 310-322. (2014)	Nil	Nil
4.	Dutta ^C , P P & Baruah D C.	Gasification of up rooted Tea Shrubs for Process Heat generation in Tea Manufacturing.	Biomass and Bioenergy; <i>Elsevier</i>	E	66: 27-38 (2014)	3.411	Nil
5.	Dutta ^C , P P, Das, A, Pandey, V & Devi, M.	Fuel characteristics of some locally available biomass as a potential gasification feed stock for thermal application.	Industrial and Engineering Chemistry Research Journal; <i>American Chemical Society</i>	E	53: (51) 19806-19813 (2014)	2.235	Nil
6.	Devi ^C , M, Dutta, P P & Mahanta, D.	Analytical calculation of chain length of ferro fluid	Bulletin of Material Science Research; <i>Springer</i>	A/D	38(1): 221-226 (2015)	0.870	Nil
7.	Pathak, H, Das, S, Doley, R, & Kashyap ^C , S.	Optimization of Cutting Parameters for AISI H13 Tool steel by Taguchi method and Artificial Neural Network	International Journal of Materials Forming and Machining Process; <i>IGI Global</i>	P	2: (2), (2015)	Nil	Nil
8.	Bardalai ^C , M & Mahanta, DK.	A Review of Physical Properties of Biomass Pyrolysis Oil.	International Journal of Renewable Energy Research	P	5(1): 277-286, (2015)	Nil	Nil
9.	Kalita, Z &	Solving the bi-objective corridor allocation	Computers & Operations	A,B,C,D,	52(Part-	2.335	01

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Datta ^C , D.	problem using a permutation-based genetic algorithm	Research; <i>Elsevier</i>	E	A):123-134, (2014)		
10.	Steiner, M T A, Datta ^C , D, Neto, P J S, Scarpin, C T & Figueira, J R.	Multi-objective optimization in partitioning the healthcare system of Parana State in Brazil. Science	Omega - The International Journal of Management; <i>Elsevier</i>	A,B,C,E	52:53-64, (2015)	3.626	01
11.	Nath, P K & Datta ^C , D.	Multi-objective hardware-software partitioning of embedded systems: a case study of JPEG encoder.	Applied Soft Computing; <i>Elsevier</i>	A,B,C,D, E	15:30-41, (2014)	2.970	05
12.	Gogoi ^C , T K & Talukdar, K.	Thermodynamic analysis of a combined reheat regenerative thermal power plant and water-LiBr vapour absorption refrigeration system.	Energy Conversion and Management; <i>Elsevier</i>	A,E	78: 595-610 (2014)	3.59	04
13.	Gogoi ^C , T K.	A Combined Cycle Plant with air and fuel recuperator for Captive power application, Part 1: Performance analysis and comparison with non-recuperated and gas turbine cycle with air recuperator.	Energy Conversion and Management; <i>Elsevier</i>	A,E	79:771-777 (2014)	3.59	03
14.	Gogoi ^C , TK & Das, R.	A Combined Cycle Plant with air and fuel recuperator for Captive power application, Part 2: Inverse analysis and parameter estimation.	Energy Conversion and Management; <i>Elsevier</i>	A,E	79: 778-789 (2014)	3.59	05
15.	Gogoi ^C , T K, Sarmah, P, Deb Nath, D.	Energy and exergy based performance analyses of a solid oxide fuel cell integrated combined cycle power plant.	Energy Conversion and Management; <i>Elsevier</i>	A,E	86:507-519 (2014)	3.59	03
16	Gogoi ^C , T K, Pandey, M & Das, R.	Estimation of operating parameters of a reheat regenerative power cycle using simplex search and differential evolution based inverse methods.	Energy Conversion and Management; <i>Elsevier</i>	A,E	91:(2015)	3.59	Nil
17.	Haloi ^C , P.	Comparison of Locally Available Biomass Characteristics as a Gasification Feedstock.	International Journal of Current Engineering and Technology; <i>INPRESSCO</i>	C	4(4): 2751-2756 (2014)	Nil	Nil
18.	Chowdhury ^C , B,	Computer Aided Measurement System	Precision Technology;	A	4:(1) 2: 69-80	Nil	03

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Deb, SK & Das, PC	Analysis of Attribute Data: A Case of Liner Manufacturing	<i>Inderscience</i> ,		(2014)		
19.	Chowdhury ^C , B, Deb, SK & Das, PC	Managing And Analyzing Manufacturing Defects–A Case Of Refrigerator Liner Manufacturing	Current Engineering and Technology, <i>Inpressco</i> ,	C	Special issue – 2: 54-61 (2014)	Nil	02
(2013-14)							
1.	Kirtania ^C , S & Chakraborty, D.	Analysis of carbon nanotube-reinforced alumina matrix nanocomposites with a broken fiber	Journal of Reinforced Plastics and Composites; <i>SAGE</i>	A	33 (4): 389-398 (2014)	1.118	Nil
2.	Kirtania ^C , S & Chakraborty, D.	Fracture behavior of carbon nanotube-based composites with a broken fiber using multi-scale finite element modeling.	Journal of Computational and Theoretical Nanoscience; <i>ASP</i>	A	11(3): 676-684 (2014)	1.032	01
3.	Haloi ^C , P, Baruah, R, Mazumder, N S, Sarmah, D & Bharti, A.	Stability and surface free energy analysis of a liquid drop on a horizontal cylindrical wire using fem simulation.	International Journal of Research in Engineering and Technology; <i>eSAT</i>	P	3 (3): 332-337 (2014)	Nil	Nil
4	Datta ^C , D & Figueira, J R.	A real-integer-discrete-coded differential evolution	Applied Soft Computing; <i>Elsevier</i>	A,B,C,D,E	13(9): 3884-3893 (2013)	2.970	02
5.	Datta ^C , D.	Unit commitment problem with ramp rate constraint using a binary-real-coded genetic algorithm.	Applied Soft Computing; <i>Elsevier</i>	A,B,C,D, E	13(9): 3873-3883 (2013)	2.970	06
6.	Datta, D, Figueira, J R, Gourtani A & Morton ^C , A.	Optimal administrative geographies: an algorithmic approach.	Socio-Economic Planning Sciences; <i>Elsevier</i>	C,E	47(3): 247-257 (2013)	0.64	02
7.	Ahmed ^C , N, Sengupta, S & Datta, D.	An exact analysis for MHD free convection mass transfer flow past an oscillating plate embedded in a porous medium with Soret effect	Chemical Engineering Communications; <i>Taylor and Francis</i>	A,B	200(4): 494-513 (2013)	0.95	02
8.	Banerjee ^C , S, Deka, A, Sarmah, G D, & Bhardwaj,	Artificial Neural Network Modeling of the Effect of Cutting Conditions on Cutting Force Components during Orthogonal Turning.	International Journal of Current Engineering and Technology;	P	Sp. Issue -2: 127-130 (2014)	Nil	Nil

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	N.		<i>INPRESSCO</i>				
9.	Kashyap ^C , S.	Formation of Inter-linked voids in Bioactive glass 45S5 upon crystallization.	Materials Science Research India	P	10(1): 29-36 (2013)	Nil	Nil
10.	Kashyap ^C , S.	Fracture behaviour of bioactive glass ceramic: An effort to increase its mechanical properties	International Journal of Engineering Sciences	P	2(2): 34-40 (2013)	Nil	Nil
11.	Singh ^C , S K & Tiwari, R.	Detection and localisation of multiple cracks in a shaft system: An experimental investigation	Measurements; Elsevier	E	53: 182-193 (2014)	1.526	Nil
12.	Bardalai ^C , M & Mahanta, D K.	Study of effects of some catalysts in biomass pyrolysis	International Journal of Current Research and Review	C, P	5(20); 125-130 (2013)	Nil	Nil
13.	Dutta ^C Polash, P, Baruah, V, Baruah, S & Goswami, R.	Computer based automatic security gate operation system	International Journal of Engineering Sciences	P	3(1); 33-38 (2014)	Nil	Nil
14.	Dutta ^C , P P, Pandey, V, Sen, S, Das, A R, Nath, A & Baruah, D C.	Fuel Characteristics of Some Indigenous Plants	Int. J. of Emerging Technology and Advanced Engineering;	P	3(3): 570-576 (2013)	Nil	Nil
15.	Dutta ^C , P P, Keot, A, Gogoi, A, Bhattachaejee, A, Saharia, J, Sharma, N, & Baruah, D C.	A Study on Some Techniques for Improving Thermo Hydraulic Performance of a Solar air Heater	Int. J. of Emerging Technology and Advanced Engineering	P	3(3): 225-233 (2013)	Nil	Nil
(2012-13)							
1.	Gogoi ^C , T K & Das, R.	Inverse analysis of an internal reforming solid oxide fuel cell system using simplex search method	Applied Mathematical Modelling; Elsevier	A, E	37:6994-7015 (2013)	1.534	Nil
2.	Gogoi ^C , T K.	Exergy analysis of a diesel engine operated with korocho seed oil methyl ester and its diesel fuel blends	Int. J. Exergy; Inderscience	A, B, E	12(2):183-203 (2013)	0.894	Nil
3.	Das ^C , R, Mallick, A & Ooi, K T.	A fin design employing an inverse approach using simplex search method	Heat & Mass Transfer; Springer	A, C, E	49 (7): 1029-1038 (2013)	0.929	Nil

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
4.	Mallick ^C , A & Das, R.	Application of Simplex search method for predicting unknown parameters in an annular Fin subjected to thermal stresses	J. Thermal Stresses; <i>Taylor & Francis</i>	A	37: 236-251 (2013)	1.169	Nil
5.	Mallick ^C , A.	Effect of second phase mobile and immobile particles on polycrystalline grain growth: A Phase field approach.	Computational Materials Science; <i>Elsevier</i>	E	67: 27-34 (2013)	1.879	Nil
6.	Das ^C , R & Dutta, P P	Application of simulated annealing for simultaneous estimation of parameters of cylindrical fin	Numerical heat transfer: Part A; <i>Springer</i>	C	61: 699- 716 (2012)	1.874	10
(2011-12)							
1.	Mallick ^C , A, Tun, K S & Gupta, M.	Deformation behaviour of Mg/Y ₂ O ₃ nanocomposite at elevated temperatures.	Material Science and Engineering – A; <i>Elsevier</i>	A, E	551:222 – 230 (2012)	2.409	Nil
2.	Mallick ^C , A.	Tensile properties of Ultrafine Mg-3%Al alloy at elevated temperatures'	Int. J. Mat. Research; <i>HANSER</i>	--	102:48 -53 (2011)	0.819	Nil
3.	Datta ^C , D & Dutta, S.	A binary-real-coded differential evolution for unit commitment problem	Int. J. of Electrical Power and Energy Systems; <i>Elsevier</i>	A,B,C,E	42(1):517-524 (2012)	2.694	24
4.	Datta ^C , D, Malczewski, J & Figueir, J R.	Spatial aggregation and compactness of census areas with a multi-objective genetic algorithm: a case study in Canada.	Environment and Planning B: Planning and Design; <i>Pion Ltd.</i>	B,C,E	39(2): 376-392 (2012)	0.83	06
5.	Datta ^C , D & Figueira, J R.	Some convergence-based M-ary cardinal metrics for comparing performances of multi-objective optimizers.	Computers & Operations Research; <i>Elsevier</i>	A,B,C, D,E	39(7):1754-1762 (2012)	2.335	08
6.	Datta ^C , D, Amaral, A R S & Figueira, J R.	Single row facility layout problem using a permutation-based genetic algorithm	European J. of Operational Research; <i>Elsevier</i>	A,B,C, D,E	213(2):388-394, (2011),	2.625	58
7.	Datta ^C , D. & Figueira, J R.	Graph partitioning by multi-objective real-valued metaheuristics: A comparative study	Applied Soft Computing; <i>Elsevier</i>	A,B,C,D,E	11(5): 3976-3987, (2011)	2.970	15
8.	Datta ^C , D & Figueira, J R.	A real-integer-discrete-coded particle swarm optimization for design problems	Applied Soft Computing; <i>Elsevier</i>	A,B,C,D,E	11(4):3625-3633, (2011)	2.970	15
9.	Das ^C , R & Dutta, P P.	Application of Simulated Annealing for Simultaneous Estimation of Parameters of	Numerical Heat Transfer-Part A; <i>Taylor &</i>	A	61:699-716 (2012)	1.803	02

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Cylindrical Fin	<i>Francis</i>				
10.	Kirtania, S. & Chakraborty ^C , D.	Multi-scale Modeling of Carbon Nanotube Reinforced Composites with a Fiber Break	Materials and Design; <i>Elsevier</i>	A	35:498-504 (2012)	3.171	05
11.	Singh ^C , S K & Tiwari, R.	Detection and Localisation of Multiple Cracks in a Stepped Shaft	Fatigue and Fracture of Engineering Materials and Structures; <i>Wiley</i>	A,B,E	36: 85-91 (2012)	1.058	Nil
12.	Banerjee ^C , S, Robi, P S & Srinivasan, A.	Deformation Processing Maps for Control of Microstructure in Al-Cu-Mg Alloys Microalloyed with Sn	Metallurgical and Materials Transactions A; <i>Springer</i>	A,C,E	43: 3834-3849 (2012)	1.712	Nil
13.	Robi ^C , P S, Banerjee, S & Srinivasan, A.	Deformation Mechanism Maps for Al-Cu-Mg Alloys Micro-Alloyed with Tin	Advanced Materials Research; <i>Trans Tech</i>	C,E	410: 283-286 (2012)	Nil	Nil
14.	Banerjee ^C , S, Robi, P S & Srinivasan, A.	Prediction of Hot Deformation Behavior of Al-5.9%Cu-0.5%Mg Alloys with Trace Additions of Sn	J. of Material Science; <i>Springer</i>	A,C,E	47(2): 929-948 (2012)	2.305	05
15.	Mehta ^C , V K & Dasgupta, B.	A constrained optimization algorithm based on the simplex search method	Engineering Optimization; <i>Taylor & Francis</i>	E	44(5): 537-550 (2012)	0.962	Nil
16.	Dasgupta ^C , B, Kotha, D, Mehta, V K & Deb, K.	RePAMO: Recursive perturbation approach to multi-modal optimization	Engineering Optimization; <i>Taylor & Francis</i>	E	45(9):1073-1090 (2012)	0.962	Nil
17.	Gogoi ^C , T K & Baruah, D C.	The use of Koroch seed oil methyl ester blends as fuel in a diesel engine	Applied Energy; <i>Elsevier</i>	A,E	88:2713-2725 (2011)	5.106	12
18.	Gogoi ^C , T K & Baruah, D C.	Performance and energy analyses of a diesel engine fuelled with Koroch seed oil methyl ester and its diesel fuel blends	Int. J. Energy Technology and Policy; <i>Inderscience</i>	C,E	7(5/6): (2011)	Nil	01
19.	Kashyap ^C , S, Griep, K & Nychka, J A.	Crystallization kinetics, Mineralization and Crack Propagation in Partially Crystallized Bioactive glass 45S5	Materials Science and Engineering C; <i>Elsevier</i>	A	31:762-769 (2011)	2.596	05
20.	Mehta ^C , V K & Dasgupta, B.	A general approach for optimal kinematic design of 6-DOF parallel manipulators	Sadhana, Academy Proceedings in Engg. Sc.; <i>Indian Academy of Sciences</i>	--	36 (6): 977-994 (2011)	Nil	Nil

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
(2014-15)						
1.	Dutta ^C , P P, Keot, A, Gogoi, A, Bhattachajee, A	Fluid Flow and Thermal Performance Study of a Pin Fin Solar Air Heater	Proceedings of the 5 th International and 41 st National Conference on Fluid Mechanics and Fluid Power (FMFP 2014: IIT Kanpur)	I	FMFP14:B9 7, Dec, 2014	Nil
2.	Dutta ^C , P P, Das, D, Dutta, M, Sukla, G	Studies on green design and manufacture of hybrid vehicle	5 th International and 26 th All India Manufacturing Technology Design and Research, IITG (ISBN: 978-8-19274-610-4); DNS Publisher & Distributors, Guwahati	I	565-1 to 6: Dec, 2014	Nil
3.	Dutta ^C , P P, Sarmah S, Mahanta, A, Choudhury, A, Gupta S, Gogoi, R, Baruah, D.	Development of an efficient hybrid tricycle.	International and 26 th All India Manufacturing Technology Design and Research, IITG, 12-14 December, 2014 ((ISBN: 978-8-19274-610-4); DNS Publisher & Distributors, Guwahati	I	572-1 to -7: Dec, 2014	Nil
4.	Dutta ^C , P P, Kumar, B, Singh, D, Mishra, A, Baruah, N.	Design of compact heat exchanger	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	134-142: Dec, 2014	Nil
5.	Dutta ^C , P P, Dutta, M, Das, D, Shukla, A K, Konwar, A, Kumar, V, Sharma, S, Bora, C K.	Design, FEA Analysis and Fabrication of a Hubrid All Terrian Trike	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	97- 103: Dec, 2014	Nil
6.	Dutta ^C , P P & Baruah, N	Food drying opportunity from waste heat recovery	National Seminar cum workshop IPFP: IBES:2015	N	Mar, 2015	Nil
7.	Dutta ^C , P P & Baruah, N	Fluid flow studies of a compact rotary flue gas air preheater	Proceedings of ICFM2015 International Conference on Frontiers in Mathematics 2015, Guwahati, Assam, India	I	Mar, 2015	Nil
8.	Dutta ^C , Polash P, Borah,	Optimal design of a multi-stage	Proceedings of International Symposium on	I	Dec, 2014	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
	D & Ali, B.	impact crusher	Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.			
9.	Kashyap ^C , S.	Comparative studies on the crystallization kinetics of bioactive glass 45S5 at different heating rates.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	46-54: Dec, 2014	Nil
10.	Bardalai ^C , M & Mahanta, D K.	The pyrolysis oil production from bael (aeglemarmelos) shell dust using a fixed bed reactor.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	64-70: Dec, 2014	Nil
11.	Bardalai ^C , M, Shukla, S, Shukla, A K, Saraj, R, Tripathy, G & Kumar, S.	Thermodynamic Performance Analysis Active and Passive Solar heater.	International Conference on Frontiers in Mathematics, Gauhati University, Guwahati, Assam, India. (Abstract).	I	57: Mar, 2015	Nil
12.	Kalita ^C , Z.	A microparticle separation device using inertia combined dielectrophoresis technique for the separation of tumour cells from blood.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	289-297: Dec, 2014	Nil
13.	Steiner, M.T.A., Datta, D., Neto, P.S., Scarpin C.T. & Figueira, J.R.	Multi-optimization in the partitioning healthcare system of Parana State, Brazil.	20 th Conference of the International Federation of Operational Research Societies (INFORS), Barcelona; 33 (Abstract).	I	2014	Nil
14.	Baruah ^C , S, Karmakar, N, Das, S & Kalita, P	Effect of numerical diffusion for computation of strong and weak shocks	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	148-154: Dec, 2014	Nil
15.	Kalita ^C , P & Dass, A K	Effect of numerical diffusion on	Proceedings of International Symposium on	I	306-313:	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
		the computation of hypersonic shock wave boundary layer interaction,	Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.		Dec, 2014	
16.	Hoque, S Z & Kalita ^C , P	Numerical simulation of supersonic viscous flow over a flat plate,	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	326-333: Dec, 2014	Nil
17.	Kalita ^C , P, Kumar, R & Dass, A K	Aspects of a diffusion-regulated scheme applied to hypersonic flow.	Proceedings of the 5 th International and 41 st National Conference on Fluid Mechanics and Fluid Power, Indian Institute of Technology Kanpur	I	FMFP14-C-400: Dec, 2014	Nil
18.	Kalita ^C , P & Dass, A K	Effect of limiter on the computation of viscous supersonic flow over a flat plate.	International Conference on Frontiers in Mathematics, 2015, Gauhati University (Abstarct)	I	72: Mar, 2015	Nil
19.	Gogoi, R, Saha, A, Borbora, S K & Kalita ^C , P	Design of an improved insulation medium for coolant carrying pipes of air conditioning units,	National Seminar cum Workshop on Innovative Prospects in Food Processing, Tezpur University.	N	Mar, 2015	Nil
20.	Banerjee ^C , S, Bayan, G, Roy, A, Sarkar, S & Gogoi, D.	Influence of Rolling and Age-Hardening on the Hardness and Impact Properties of Microalloyed 2219 Al Alloys.	Proceedings of 5 th International & 26 th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014), IIT Guwahati, India.	I	Dec, 2014	Nil
21.	Gogoi ^C , T K & Pandey, M.	Performance analysis of a reheat regenerative thermal power plant with solid biomass fuels and coal of various compositions.	Proceedings of Int. conf. on advanced materials and Energy technology (ICAMET) IIST Shibpur, Kolkata.	I	Dec, 2014	Nil
22.	Hoque ^C , S Z. & Gogoi, T K.	Thermodynamic analysis of a casadedvapour compression refrigeration syssem through	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST,	I	Dec, 2014	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
		exergy. 2014, NERIST, Arunachal Pradesh	Arunachal Pradesh, India. Excel India Publishers.			
23.	Sarmah ^C , P & Gogoi, T K.	Parametric analysis of a hybrid solid oxide fuel cell –gas turbine plant.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	Dec, 2014	Nil
24.	Gogoi ^C , T K & Sarmah, P	Exergy analysis of a hybrid solid oxide fuel cell –gas turbine configuration	Proceedings of International Conference on Environment and Energy (ICEE) IJNTUH, Kukatpally, Hyderabad	I	Dec, 2014	Nil
25.	Koushik ^C , N, Bhuyan, S, & Gogoi, T K.	A model for diesel fuel droplet evaporation and parametric analysis of evaporation rate.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	Dec, 2014	Nil
26.	Haloi ^C , P, Basumatari, B & Choudhury, D.	Study of the Influence of Angular Elevation and Flue Gas of Biomass Feedstock on the Thermal Performance of a Thermosyphone Heat Exchanger.	Proceedings of International Symposium on Aspects of Mechanical Engineering & Technology for Industry, NERIST, Arunachal Pradesh, India. Excel India Publishers.	I	356-362: Dec, 2014	Nil
27.	Chowdhury ^C , B & Deb, SK	Comparative Analysis of Manufacturing System Using Cause – Effect Diagram and System Dynamics Model	Proceedings of 5th International & 26th All India Manufacturing Technology, Design and Research (AIMTDR), IIT, Guwahati	I	620- 1 to 5: Dec, 2014	Nil
28.	Chowdhury ^C , B, Deb, SK & Das, PC	System Dynamics Model in the Analysis of Manufacturing Defects and Process Improvements	Proceedings of 5th International & 26th All India Manufacturing Technology, Design and Research (AIMTDR), IIT, Guwahati	I	542– 1 to 7: Dec, 2014	Nil
(2013-14)						
1.	Kirtania ^C , S, Kalita, K.,	Modeling and simulation of	Proceedings of National Conf. on Recent	N	231-238:	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
	Gohain, A P & Medhi, J.	fiber-reinforced composites, and bending tests of bamboo	Advancements in Mechanical Engineering (NCRAME-2013), NERIST, Arunachal Pradesh, India.		Nov, 2013	
2.	Kirtania ^C , S, Talukdar, R G, Kalita, T J & Medhi, P	Bending analysis of beams using finite element method.	Proceedings of National Conf. on Recent Advancements in Mechanical Engineering (NCRAME-2013), NERIST, Arunachal Pradesh, India.	N	127-132: Nov, 2013	Nil
3.	Haloi ^C , P, Banerjee, A K & Choudhury, A	Analysis and Investigation of Solar Thermal Energy in a Parabolic Trough Solar Collector System with Extended Surfaces	Proceedings of National Conference on New and Renewable Energy Technologies, Coimbatore, India.	N	Apr, 2013	Nil
4.	Banerjee ^C , S, Deka, A, Sarmah, G D & Bhardwaj, N	Artificial Neural Network Modeling of the Effect of Cutting Conditions on Cutting Force Components during Orthogonal Turning	Proceedings of 1 st International Conference on Advances in Mechanical Sciences (ICAMS 2014), Hyderabad, India.	I	Jan, 2014	Nil
5.	Banerjee ^C , S, Deka, A, Sarmah, G D & Bhardwaj, N.	A Computational Modeling of Surface Roughness as a function of the Cutting Conditions during Orthogonal Turning	Proceedings of National Conference on Manufacturing: Vision for Future (MVF 2013), IIT Guwahati, India.	N	2013	Nil
6.	Kashyap ^C , S.	Manufacturing crystalline bioactive glass 45S5 to formulate its crystallization kinetics	Proceedings of Manufacturing: Vision for future (MVF 2013), IIT Guwahati, India.	N	311-320: Oct, 2013	Nil
7.	Kashyap ^C , S.	Fracture behaviour of Bioactive Glass Ceramic: An effort to increase its Mechanical Properties.	Proceedings of ICAET 2013, Lonavala, Pune, India.	I	44; May, 2013	Nil
8.	Dutta ^C , Polash P, Kalita, K & Dixit, U S	Experimental investigation on laser bending of mild steel coated with black enamel paint.	Proceedings of Manufacturing: Vision for future 2013, IIT Guwahati, India.	I	Oct, 2013	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
9.	Dutta ^C , Polash P	Experimental and numerical investigation on laser bending of mild steel sheet.	Proceedings of National Conf. on Recent Advancements in Mechanical Engineering (NCRAME-2013), NERIST, Arunachal Pradesh, India.	N	Nov, 2013	Nil
10.	Dutta ^C Polash P, Kalita K, Dixit U S	Experimental investigation of laser bending of mild steel coated with black enamel paint	National Conference on Manufacturing: Vision for Future, IIT Guwahati (MVF2013)	N	Oct, 2013	Nil
11.	Kalita ^C , P, Kumar, R, Sarmah, B, Kalita, D	A diffusion regulated scheme applied to some high speed flows	Proceedings of National Conf. on Recent Advancements in Mechanical Engineering (NCRAME-2013), NERIST, Arunachal Pradesh, India.	N	Nov, 2013	Nil
12.	Kalita ^C , P, Dass, A K	Computation of high speed flows using diffusion regulation	Proceedings of the 40 th National Conference on Fluid Mechanics and Fluid Power, 2013, National Institute of Technology, Hamirpur, India.	N	Dec, 2013	Nil
13.	Dutta ^C , P P, Sharma S, & Gogoi, R, Mahanta, A, Choudhury, A, Gupta, S & Baruah, D.	Design and development of an improved hybrid tricycle	National Conference on Recent Advances in Mechanical Engineering: Excel Publisher, New Delhi (ISBN:978-93-82880-71-4)	N	133-139: Nov, 2013	Nil
14.	Dutta ^C , P P, Kumar, B & Das, A	Development of a plate heat exchanger	National Conference on Recent Advances in Mechanical Engineering: Excel Publisher, New Delhi (ISBN:978-93-82880-71-4)	N	170-176: Nov: 2013	Nil
15.	Dutta ^C , P P, Saharia, J, Sarmah, N & Baruah, D C	Thermal Performance Studies of a Rectangular Duct Solar Air Heater	Proceedings of 22 th National and 11 th International Conference of ISHMT, ASME, Heat and Mass Transfer Conference, IIT Kharagpur, India	I	HMTTC13001 08: Dec, 2013	Nil
16.	Dutta ^C , P P, Pandey, V, Das, A R, Sen, S & Baruah, D C.	Downdraft Gasification Modelling of Indigenous Biomass for Thermal Application.	Proceedings of IV th International Conference on Advances Energy Research, 2013, IIT Bombay, India.	I	166-174: Dec, 2013	Nil
17.	Dutta ^C , P P, Das, A, &	Fuel Characteristics of Some	Proceedings of International conference on	I	Dec, 2013:	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
	Pandey, V.	Locally Available Biomass as a Potential Gasification Feedstock for Thermal Applications	Energy System Modelling, NIT Durgapur, India.		RE-09	
18.	Chowdhury ^C , B, Deb, SK & Das, PC	Managing And Analyzing Manufacturing Defects–A Case Of Refrigerator Liner Manufacturing	Proceedings of the 1st International Conference on Advances in Mechanical Sciences, Vardhaman College of Engg., Hyderabad .	I	49-55: Jan, 2014	02
(2012-13)						
1.	Gogoi ^C , T K, Sarma, S & Borthakur, S.	Simulation of a hybrid solid oxide fuel cell-gas turbine system	Int. Conf. on Energy Resources Technologies for Sustainable Development (ICERTSD-2013), BESU. Also in Int. J. of Emerging Technology and Advanced Engineering, 3(3):250-258	I	3(3); 250-258, Feb, 2013	Nil
2.	Pandey ^C , M & Gogoi, T K.	Energy and exergy analysis of reheat regenerative vapour power cycle	Int. Conf. on Energy Resources Technologies for Sustainable Development (ICERTSD-2013), BESU. Also in Int. J. of Emerging Technology and Advanced Engineering, 3(3):427-434	I	3(3); 427-434, Feb, 2013	Nil
3.	Gogoi ^C , T K, Sarma, N K, Choudhury, A & Talukdar, T.	First law analysis of Diesel engine performance using diesel and biodiesel fuel	Int. Conf. on Energy Resources Technologies for Sustainable Development (ICERTSD-2013), BESU. Also in Int. J. of Emerging Technology and Advanced Engineering	I	3(3); 421-426, Feb, 2013	Nil
4.	Gogoi ^C , T K, Sarma, A K, Misra, P S, & Haque, S T.	Combustion analysis of Jatropa methyl ester and its ethanol and acetone blends in a diesel engine	Int. Conf. on Energy Resources Technologies for Sustainable Development (ICERTSD-2013), BESU. Also in Int. J. of Emerging Technology and Advanced Engineering	I	3(3); 51-57, Feb, 2013	Nil
5.	Dutta ^C , P P, Sarma, R, Baruah, D & Kalita, D.	Finite element modelling and simulation on laser bending of D36 shipbuilding steel sheet	National Conference on Theoretical Physics (NCTP 2013)	N	Feb, 2013	Nil
6.	Dutta ^C , P P, Saikia, N,	Development of a Low Cost Rope	57 th Annual Technical Session of Assam	N	2012	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
	De, S & Sharma, S.	Brake Dynamometer for Performance Testing of an Electric Vehicle.	Science Society			
7.	Dutta ^C , P P, Saharia, J, Sarma, N, Baruah, D C, Das, R & Dutta, B.	Studies of Some Solar Thermal Collector.	International Seminar and Workshop on Energy, Sustainability, and Development (ISBN 978-81-925299-0-5)	I	146-150: Oct, 2012	Nil
8.	Dutta ^C , P P & Baruah, D C.	A Fluidized Bed Tea Dryer Powered with Producer Gas.	International Seminar and Workshop on Energy, Sustainability, and Development (ISBN 978-81-925299-0-5)	I	151-155: Oct, 2012	Nil
9.	Kirtania ^C , S & Chakraborty, D.	Multi-Scale Analysis of Carbon Nanotube (CNT)-Reinforced Metal Matrix Composites with a Broken Fiber	4 th Int. Conf. on Recent Advanced in Composites Materials (ICRACM-2013), Goa, India.	I	Feb, 2013	Nil
10.	Kalita ^C , P, Sarmah, B, Kalita, D & Kumar, R.	Staggered Grid Computation of Laminar Flow through a Rectangular Duct with Heating from Bottom Wall	National Conf. on Theoretical Physics (NCTP), Tezpur University	N	Feb, 2013	Nil
11.	Roy ^C , K & Kalita, P.	Higher Order Accurate Computation of Supersonic Flow through a Ramped Channel	National Conf. on Theoretical Physics (NCTP), Tezpur University	N	Feb, 2013	Nil
12.	Kalita ^C , P, Sultan, M A, Gayan, S & Borgohain, G.	Effect of Limiter on the Performances of Higher Order Schemes for 1D Shock-tube Problem	National Conf. on Theoretical Physics (NCTP), Tezpur University	N	Feb, 2013	Nil
13.	Kalita ^C , P & Dass, A K.	Aspects of Computation of 2D Planar and Axisymmetric High-Speed Flows through Nozzles	4 th Int. Congress on Computational Mechanics and Simulation (ICCMS), Organized by IIT, Hyderabad	I	Dec, 2012	Nil
14.	Bardalai ^C , M & Mahanta, D K.	A comparative study of teak tree and rice husk available in Assam as the feedstock for the production of pyrolysis oil.	National Seminar in Frontiers in Science and Technology, 58 th Annual Technical Session of Assam Science Society (Abstract)	N	Mar, 2013	Nil
15.	Banerjee ^C , S, Deka, A &	Constitutive Modeling to Predict	Int. Conf. on Processing and Fabrication of	I	2; 875-886,	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
	Parashar, I.	High Temperature Flow Stress as a Function of Strain in Al-Cu-Mg Alloy	Advanced Materials (PFAM XXI), IIT Guwahati, India,.		2012	
16.	Banerjee ^C , S, Chakraborty, A, Konwar, J, Gogoi, L, & Agarwal, P.	Artificial Neural Network Modeling to Predict High Temperature Flow Stress as a Function of Composition in Microalloyed Al-Cu-Mg,.	Int. Conf. on Processing and Fabrication of Advanced Materials (PFAM XXI), IIT Guwahati, India	I	Dec, 2012	Nil
17.	Nath ^C , P K, Paul, A C & Datta, D.	Hardware/software partitioning of embedded systems using a binary version of particle swarm optimization.	Int. Conf. on Computer Science and Engineering (CSE-2012), Guwahati (India).	I	2012	Nil
18.	Nath ^C , P K, Datta, D & Paul, A C.	Hardware-software codesign of embedded system using a binary version of genetic algorithm - a case study on JPEG encoder using a metaheuristic approach	Int. Joint Conf. on Emerging Intelligent Sustainable Technologies (EISTCON-2012), Bangalore (India)	I	19-25: 2012	Nil
19.	Chowdhury ^C , B, Deb, SK & Das, PC	Computer Aided Measurement System Analysis of Attribute Data: A Case of Liner Manufacturing	Proceedings of 4th International & 25th All India Manufacturing Technology, Design and Research (AIMTDR), Jadavpur University, Kolkata.	I	69-80: Dec, 2012	03
(2011-12)						
1.	Gogoi ^C , T K, Talukdar, S & Baruah, D C.	Comparative Analysis of Performance and Combustion of Koroch Seed Oil and Jatropa Methyl Ester blends in a Diesel Engine	World Renewable Energy Congress (WREC) 2011 held in Linkoping, Sweden	I	May, 2011	Nil
2.	Dutta ^C , P P & Baruah, D C.	Design and Fabrication of Some Solar Thermal Energy Absorber for Hot Air Generation	National Seminar at Environmental Watch and management Institute, Guwahati	N	Mar, 2012	Nil
3.	Dutta ^C , P P & Baruah, D C.	Performance testing of a renewable energy based tea dryer	National Conf. on Water Energy and Biodiversity, organized by Institutions of	N	195-201: Sep, 2011	Nil

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/Local	Page Nos. Month-Yr	Citation index
			Engineers, Tripura and National Institute of Hydrology, Roorkee.			
4.	Dutta ^C , P P & Baruah, D C.	Thermal Analysis of a Fluidized Bed Tea Dryer.	Int. Congress on Renewable Energy, Tezpur University	I	202-210: Nov, 2011	Nil
5.	Dutta ^C , P P & Sharma, S	Design and development of a CVT Based Transmission for Hybrid Electric Vehicle.	Int. Congress on Renewable Energy, Tezpur University	I	71-80: Nov, 2011	Nil
6.	Banerjee ^C , S, Ahmed, N N, Bhuyan, P & Baruah, S.	Computational Modeling of High Temperature Processing Maps for Microalloyed Al-Cu-Mg Alloys using Artificial Neural Networks	Int. Conf. on Intelligent Manufacturing Systems (ICIMS 2012), Thanjavur, India	I	133-140: Feb, 2012	Nil
7.	Robi ^C , P S, Banerjee, S & Srinivasan, A.	Deformation Mechanism Maps for Al-Cu-Mg Alloys Micro-Alloyed with Tin	20 th Int. Symp. on Processing and Fabrication of Advanced Materials (PFAM XX), Hong Kong, China.	I	Dec, 2011	Nil
8.	Banerjee ^C , S, Robi, P S & Srinivasan, A.	Prediction of High Temperature Flow Behavior of Microalloyed Al-Cu-Mg Alloys by Using Artificial Neural Networks	Int. Conf. on Computational Methods in Manufacturing, IIT Guwahati, India	I	355-362: Dec, 2011	Nil
9.	Dutta ^C , S & Datta, D.	A binary-real-coded differential evolution for unit commitment problem: A preliminary study	Multi-disciplinary International Workshop on Artificial Intelligence (MIWAI-2011), Hyderabad (India); Lecture Notes in Artificial Intelligence (LNAI), Springer	I	7080; 406-417, 2011	02

D. Chapters in Books

Sl.No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1.	Kirtania ^C , S & Chakraborty, D	Stress transfer characterizations at fiber break in carbon nanotube-reinforced composites.	Advanced Nanomaterials and Nanotechnology: Dr. P. K. Giri et al. (eds.),	Springer Proceedings in Physics, Springer-Verlag Berlin Heidelberg.	143; 331-344 (2013)	Nil

2.	Ghosh ^C , M, Tiwary, B K & Datta, D	Optimizing state probabilities of biological systems: a preliminary study	Advanced Computing, Applications, Databases and Networks	Narosa Publishing House, India	ISBN: 978-81-8487-109-8; 18-24 (2011)	Nil
3.	Singh ^C , S K, Tiwari, R & Talukdar, S	A Multi-Crack Identification Algorithm Based on Forced Vibrations from a Shaft System,	IUTAM Symposium on Emerging Trends in Rotor Dynamics IUTAM Bookseries 2011: Prof. K. Gupta, Dept. of Mechanical Engineering, IITD	Springer	978-94-007-0019-2 (2011)	Nil

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(2015)				
1	M. P. Das, M. Bhuyan and C. Talukdar	Readout Circuits for Noise Compensation in ISFET Sensory System,	Journal Sensing and Imaging, Springer US	16 (1), 2015-January, DOI:10.1007/s11220-014-0103-y
2	Kaushik Chandra Deva Sarma and S. Sharma	Scale Length Determination of Gate All Around (Regular Hexagonal Cross Section) Junctionless Transistor	International Journal of Applied Engineering Research (IJAER)	10 (2), 2015-January
3	Ratul Kr. Baruah, and P. Paily Roy	The Effect of High-k Gate Dielectrics on Device and Circuit Performances of a Junctionless Transistor	Journal of Computational Electronics, Springer US	14(12), pp. 492-499 2015-February (DOI 10.1007/s10825-015-0670-8)
4	Nayan M. Kakoty, Aditya Saikia and Shyamanta M. Hazarika	Exploring a Family of Wavelet Transforms for EMG based Grasp Recognition	Journal of Signal Image and Video Processing, Springer London	Vol- 9, No. 3, pp. 553 – 559, 2015
5	Barnam Jyoti Saharia and Kamala Kanta Saharia	A Simulated Study on non-isolated DC-DC Converters for MPP tracking for Photovoltaic Power systems	Journal of Energy Engineering, American Society of Civil Engineers	2015-January DOI:10.1061/(ASCE)EY.1943-7897.0000261 , 04015001
6	Zaheeruddin and Munish Manas	Analysis of Design of technologies, tariff Structures and regulatory policies for sustainable growth of the Smart grid” in Taylor and Francis’s “Energy Technology and Policy	Energy Technology & Policy: An Open Access Journal, Taylor & Francis Group, LLC	Vol-2, No. 1, pp. 28-38, 2015-March, DOI:10.1080/23317000.2015.1015083.
7	D. Hazarika, V. K. Nath and M. Bhuyan	Lapped transform domain SAR image despeckling using neighboring coefficients	International Conference on Electrical, Electronics, Signals, Communication and Optimization, Visakhapatnam, Andhra Pradesh, India	2015- January

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8	M. A. Barik, Manoj Kumar Sarma and J. C. Dutta	Traditional and junctionless field effect transistor for cholesterol detection	IEEE International Conference on Electronic Design, Computer Networks & Automated Verification (EDCAV), NIT Meghalaya, India	pp-88-91, 2015-January, DOI:10.1109/EDCA V.2015.7060545.
9	K. Boruah and J. C. Dutta	DNA Computing: From Complex Combinatorial Problems to the Boolean Circuits	IEEE International Conference on Electronic Design, Computer Networks & Automated Verification, (EDCAV), NIT Meghalaya, India	pp-52-57, 2015-January DOI:10.1109/EDCA V.2015.7060538.
10	R. Deka and J. C. Dutta	Modeling and Simulation of a NEUROBIOFET for Application in Neurology	IEEE International Conference on Electronic Design, Computer Networks & Automated Verification (EDCAV), NIT Meghalaya, India	pp-100-104, 2015- January DOI: 10.1109/EDCAV.20 15.7060547
11	K. Boruah and J. C. Dutta	DNA Computing Models for Boolean Circuits and Logic Gates	IEEE International Conference on Computational Intelligence and Communication Technology, ABES Engineering College, Ghaziabad, India	pp- 529-533, 2015- February, DOI:10.1109/CICT.2 015.105
12	R. Deka and J. C. Dutta	Parameter Extraction for Neuron Model Simulation of Action Potential in Earthworm giant nerve fiber	IEEE International Conference on Computational Intelligence and Communication Technology, ABES Engineering College, Ghaziabad, India	pp- 732-736, 2015- February DOI:10.1109/CICT.2 015.57
13	S. Aggarwal, C. Borah and S. Sharma	Design and Fabrication of Power Circuit for a Hybrid Electric Vehicle and Optimization of Gate Drive Circuit	IEEE International Conference on Electrical, Electronics, Signals, Communication & Optimization-EESCO, Visakhapatnam, Andhra Pradesh, India	2015-January
14	B. Roy, S. Sharma, T. Medhi and D. Sharma	Modeling the transient and steady state behaviour of a Glucose Oxidase Based Enzyme Field Effect Transistor	IEEE International Conference: Electrical, Electronics, Signals, Communication & Optimization-EESCO, Visakhapatnam, Andhra Pradesh, India	2015-January
15	H. Gohainbaruah and S. Sharma	Modeling and simulation of electric potential profile of a Square Ion Sensitive Field Effect Transistor in the diffused layer	IEEE International Conference: Electrical, Electronics, Signals, Communication & Optimization-EESCO, Visakhapatnam, Andhra Pradesh, India	2015-January

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16	Kaushik Chandra Deva Sarma and S. Sharma	Scale Length Determination of a Fully Depleted Surrounding Gate (Rectangular Cross Section) Junction Less Transistor	IEEE International Conference: Electrical, Electronics, Signals, Communication & Optimization-EESCO, Visakhapatnam, Andhra Pradesh, India	2015-January
17	C. Hazarika and S. Sharma	A novel approach for modeling threshold voltage of MOSFET using CV characteristics	IEEE International Conference: Electrical, Electronics, Signals, Communication & Optimization-EESCO, Visakhapatnam, Andhra Pradesh, India	2015-January
18	S. Sharma, P. Sarma, S. Bardaloi and P. Barman	Estimation of Coulombic Efficiency of Lead Acid Battery for Range Determination of Electric Vehicle	IEEE International Conference of power, dielectric and energy management	pp- 1-6, 2015- January, DOI: 10.1109/ICPDEN.2015.7084501
19	S. Sharma, P. Barman and R. Pegu	Electronic Differential for Electric Vehicle with Single Wheel Reference	IEEE International Conference on Power, Dielectric and Energy Management, Itanagar, India	pp- 1-5, 2015- January, DOI:10.1109/ICPDEN.2015.7084489
20	Kaushik Chandra Deva Sarma and Santanu Sharma	Scale Length Determination of Gate All Around (Octagonal Cross Section) Junctionless Transistor	IEEE International Conference on Electronic Design, Computer Networks & Automated Verification (EDCAV), NIT, Meghalaya, India	pp- 1-5, 2015- January
21	Kaushik Chandra Deva Sarma and Santanu Sharma	A Method for Determination of Depletion Width of Single and Double Gate Junction Less Transistor	IEEE International Conference on Electronic Design, Computer Networks & Automated Verification (EDCAV), NIT, Meghalaya, India	pp- 114-119, 2015- January, DOI:10.1109/EDCAV.2015.7060550
22	D. Hazarika, V. K. Nath and M. Bhuyan	Lapped transform domain SAR image despeckling using neighboring coefficients	International Conference on Electrical, Electronics, Signals, Communication and Optimization, Visakhapatnam, Andhra Pradesh, India	2015- January
23	Nayan M. Kakoty, Jitu Sarma, Aakash Sinha, Dewarkshi Konwar, Shashi B. Kumar, Sushil K. Mishra and Shyamanta M.Hazarika	Jaipur Foot Gait Control through a Predictive Controller	ACM/ International Conference on Advances in Robotics, Goa, India	2015- July

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24	P. Kakoty and M. Bhuyan	SnO ₂ based gas sensors: Why it is so popular?	IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), Coimbatore, India	2015- March
25	Munish Manas	Development of Self-Sustainable Technologies for Smart Grid in India	IEEE Conference on Computational Intelligence & Communication Technology, Ghaziabad, India	2015-February
(2014)				
1	A. Bonjyotsna and M. Bhuyan	Performance Comparision of Neural Networks and GMM for Vocal/Nonvocal segmentation for Singer Identification	International Journal of Engineering & Technology	Vol-6, No- 2, p1194, 2014- April, (0975-4024), (IF= 0.8470)
2	R. Chutia and M. Bhuyan	Best Frequency for Temperature Modulation of Tin Oxide Gas Sensor for Chemical Vapour Identification	International Journal of Engineering & Technology	Vol-6, No-2, p1158, 2014- April, (0975-4024),(IF- 0.8470)
3	M.Barthakur, A.Hazarika and M.Bhuyan	Classification of Peripheral Neuropathy by using ANN based Nerve conduction Study(NCS) Protocol	ACEEE International Journal on Communication	Vol.5,No.1,March 2014, DOI:01.IJCOM.5.1.1 425
4	N. Dutta and M. Bhuyan	Stability Analysis of Metal Oxide Gas Sensors Using System Identification	International Journal of Engineering Sciences & Research Technology, IJESRT	3 (3), 2014- March, pp.1426-1432,2014(IF= 3.449)
5	P.J. Gogoi, N.S. Bhattacharyya and S. Bhattacharyya	Single layer microwave absorber based on expanded graphite–novolac phenolic resin composite for X-band applications	Composites Part B: Engineering, Elsevier	Vol-58, pp. 518-523, 2014- March

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6	Anup K. Bordoloi, Pranjali Borah, Satyajit Bhattacharyya and Nidhi S. Bhattacharyya	Planar patch antenna with 100 μ m Slit for Size Reduction and Dual Band Applications	Microwave and Optical Technology Letters	Vol-56, No-7, pp. 1725-1726, 2014- July, DOI:10.1002/mop.28429
7	Md Abdul Barik and J. C. Dutta	Fabrication and characterization of junctionless carbon nanotube field effect transistor for cholesterol detection	Applied Physics Letters, AIP Publishing	Vol-105 No-5, pp. 053509 2014-August
8	Md. Abdul Barik, Manoj Kumar Sarma, C. R. Sarkar, and J. C. Dutta	Highly Sensitive Potassium-Doped Polypyrrole/Carbon Nanotube-Based Enzyme Field Effect Transistor (ENFET) for Cholesterol Detection	Applied biochemistry and biotechnology	Vol- 174, No- 3 (2014-July), DOI:10.1007/s12010-014-1029-5
9	Taslina Ahmed and J. C. Dutta	A GUI (Graphical User Interface) framework to Introduce H-H Model in Comparison with Kv3.3 Model	American Journal of Biomedical Sciences	Vol-6, No-1, pp- 1-5, 2014-January, DOI:0.5099/aj140100001
10	C. Hazarika and S. Sharma	A mathematical model describing drift in SiO ₂ gate pH ISFET's due to hydrogen ion diffusion	International Journal of Applied Engineering Research (IJAER)	Vol- 9, No- 23, pp- 21099-21113, 2014
11	J. Deka and S. Sharma	A novel approach for modeling the threshold voltage and sub threshold swing of a Nano Cylindrical MOSFET	International Journal of Electronics and Applied Research	Vol- 1, pp- 29-37, 2014-June,
12	K. Deka and S. Roy	Glycine gated spiking inhibitory postsynaptic membrane at the synaptic cleft	Annals of Neurosciences, Indian Academy of Neurosciences	Vol- 21, No. 4, pp- 134-137,

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				2014- October, DoI:10.5214/ans.097 2.7531.210404
13	A. Bonjyotsna and S. Roy	Correlation of Drowsiness with Electrocardiogram: A Review	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol- 3, No- 5, pp- 9538-9544 2014- May
14	K. Deka and S. Roy	Glutamate Gated Spiking Neuron Model	Annals of Neurosciences	Vol- 21, No- 1, 2014-January, DoI:10.5214/ans.097 2.7531.210105
15	Bhabesh Deka and Sumit Datta	A practical under-sampling pattern for compressed sensing MRI	Advances in Communication and Computing, Lecture Notes in Electrical Engineering, Springer, India	Vol- 347, pp- 115-125, 2014 [2015-Book Chapter]
16	Ratul Kr. Baruah and P. Paily Roy	A Dual-Material Gate Junctionless Transistor using high-k spacer for Enhanced Analog Performance	IEEE Transactions on Electron Devices	Vol- 61, No- 1, pp.- 123–128, 2014- January
17	V. K. Nath, D. Hazarika and A. Mahanta	Lapped transform based image denoising with the generalised Gaussian prior	International Journal of Computational Vision and Robotics	Vol- 4, No-1/2, pp- 55 - 74, 2014- February
18	Nayan M. Kakoty and Shyamanta M. Hazarika	Development of an Electromyographic Controlled Biomimetic Prosthetic Hand	International Journal of Computational Vision and Robotics, Inderscience	Vol- 4, No- 1, pp- 115-133, 2014- February
19	Nayan M. Kakoty and Shyamanta M. Hazarika	Towards Electromyogram based Grasps Classification.	International Journal of Biomechatronics and Biomedical Robotics, Inderscience,	Vol-3, No. 2, pp- 63-73, 2014

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20	B. Mondal, Lachit Dutta, Chiroree Roychaudhury, Damb arudhar Mohanta, Nillo hit Mukherjee and Hiranmay Saha	Effect of Annealing Temperature on the Morphology and Sensitivity of the Zinc Oxide Nanorods-Based Methane Sensor	Acta Metallurgica Sinica (English Letters)	Vol- 27, No- 4, pp- 593-600, 2014-August
21	B. Mondal, B. Basumatary, J. Das, C. Roychaudhury, H. Saha & N. Mukherjee	ZnO-SnO ₂ based composite type gas sensor for selective hydrogen sensing,	Sensors and Actuators B Chemical	Vol- 194, pp- 389-396, 2014-April
22	B. Mondal, M. S. Meetei, J. Das, C. Roychaudhury and H. Saha	Quantitative recognition of flammable and toxic gases with artificial neural network using metal oxide gas sensors in embedded platform	International Journal Engineering Science and Technology	Vol- 18, No- 2, pp- 229–234, 2015- June
23	Subhadeep Bhattacharjee and Barnam Jyoti Saharia	A comparative study on converter topologies for maximum power point tracking application in photovoltaic generation	Journal of Renewable and Sustainable Energy 6	053140 2014-October, DOI: 10.1063/1.4900579
24	Barnam Jyoti Saharia and Bani Kanta Talukdar	Theoretical Assessment of PV Energy Potential At Assam Engineering College using PV Indices	International Journal of Engineering Research & Technology	Vol- 3, No- 8, 2014- August
25	M. Barthakur , A. Hazarika and M. Bhuyan	Rule based fuzzy approach for Peripheral Motor Neuropathy (PMN) diagnosis based on NCS Data	IEEE Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), Jaipur, India,	pp- 1-9, May-2014, DOI:10.1109/ICRAIE.2014.6909303
26	Md. A. Barik, M. Sharma and J. C. Dutta	Traditional graphene based and junctionless carbon nanotube based field effect transistor for cholesterol sensor	2nd IEEE International Conference on Emerging Electronics (ICEE), IISc Bangalore, India	pp- 1-4, December 3-6, 2014.
27	P.P. Dutta, S Sharma, A Mahanta, S Gupta, A.	Development of an Efficient Hybrid Tricycle	5th International and 26th All India Manufacturing Technology, Design and Research Conference	2014-December

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	Choudhury, K. Barman, D. Barua, R. Gogoi and A. Das		AIMTDR	
28	P. P. Dutta, M. Dutta, D. Das, A. K. Shukla, S. S. Shukla, A. Konwar, V. Kumar, S. Sharma and C. Bora	Design, FEA Analysis and Fabrication of a Hybrid All Terrain Trike	International Symposium on Aspects of Mechanical Engineering and Technology for Industry, AMETI, NERIST, Itanagar	Vol- 8, pp- 97, 2014
29	K. Dev Sharma and S. Sharma	Scale Length Determination of Gate All Around (Regular Pentagonal Cross Section) Fully Depleted Junction Less Transistor	IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014)	pp- 1-5, 2014-August
30	A. Saikia and S. Sharma	Suppression of Gate-Induced Drain Leakage in Bulk MOSFETs using a Non-Uniform Gate Oxide Thickness	International Conference on Emerging Trends in Electrical, Electronics, Instrumentation & Computer Engineering (ETEICE)	2014-March
31	J. Deka and S. Sharma	Modeling a Nano Cylindrical MOSFET Considering Parabolic Potential Well Approximation	National Workshop on Advances in Communication and Computing (WACC), Assam Engineering College	Vol- 347, pp- 241-252 2014
32	S. Konwar, T. B. Singha and S. Roy	Power Efficient Code Converters Using Adiabatic Array Logic	IEEE 2014 International Conference of Emerging Applications of Information Technology (EAIT 2014), ISI, Kolkata	December 2014, DOI:10.1109/EAIT.2 014.56
33	T. B. Singha, S. Konwar and S. Roy	Low Power Design and Analysis of Fundamental Logics Using Adiabatic Array Logic	IEEE International Conference on Signal Propagation and Computer Technology (ICSPCT 2014)	July 2014, DOI: 10.1109/ICSPC T.2014.6884989
34	T. B. Singha, S. Konwar, S. Roy and R. H. Vanlalchaka	Power Efficient Priority Encoder and Decoder	IEEE International Conference on Computer Communication and Informatics (ICCCI)	January 2014, DOI: 10.1109/ICCCI .2014.6921806
35	S. Konwar, T. B. Singha, S. Roy and R. H. Vanlalchaka	Adiabatic Logic Based Low Power Multiplexer and Demultiplexer	IEEE International Conference on Computer Communication and Informatics (ICCCI)	January 2014, DOI: 10.1109/ICCCI .2014.6921808
36	Nayan M. Kakoty, Shyamanta M.	Model Predictive Control for Finger Joint Trajectory of TU Biomimetic	IEEE/ International Conference on Mechatronics and Automation	pp- 1225-1230, 2014

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	Hazarika, Majid H. Koul and Subir K. Saha.	Hand		
37	Bhabesh Deka and Sumit Datta	High Throughput MR Image Reconstruction using Compressive Sensing	Proc. of ICVGIP 2014	Article No. 89, 2014- December
38	Vimal Kr. Singh and Ratul Kr. Baruah	An Analytic Potential and Threshold Voltage Model for Short-Channel Symmetric Double-Gate MOSFET	IEEE VDAT, Coimbatore, India.	pp- 1-2, 2014-July,
39	Ratul Kr. Baruah and P. Paily Roy	Impact of Fringing Field on Device Performance of a p-Channel Junctionless Transistor With a High-k Gate Dielectric	IEEE ICEE IISc Bangalore, India.	2014
40	Kaushik Das and P. Kakoty	Design, Simulation and Performance Evaluation of a High Temperature and Low Power Consumption Microheater Structure for MOS Gas Sensor	WACC	Vol- 347, pp- 221-229 2014
41	Barnam Jyoti Saharia and Bani Kanta Talukdar	Theoretical Study on Performance Constraints of a DC-DC Boost Converter	International Conference on Innovations in Electrical and Electronics Engineering (ICIEEE-2014)	Vol. 2, No- 9, 2014- September
(2013)				
1	Aradhana Dutta, Bidyut Deka and Partha Pratim Sahu	Design and Fabrication of Silicon Oxynitride Based Evanescent Optical Waveguide Sensor for Rapid Detection of Adulteration in Petrol	Procedia Engineering , Elsevier	Vol- 64, pp. 195-204 , 2013
2	Hemanga Kumar Das and Partha Pratim Sahu	Coupled Nerve: A Technique to Increase the Nerve Conduction Velocity in Demyelinating Polyneuropathic Patients	Procedia Engineering , Elsevier	Vol- 64, pp. 275-282 , 2013
3	Mahipal Singh and Partha	A Wideband Linear Sinusoidal Frequency to Voltage Converter With	Procedia Engineering, Elsevier	Vol. 64, pp. 26-35, 2013

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	Pratim Sahu	Fast Response Time		
4	Partha Pratim Sahu	An Ultra Compactmulti Mode Interference Coupler with Parabolic Down Tapered Geometry	Procedia Engineering, Elsevier	Vol- 64, pp. 215-223, 2013
5	Bijoy Chand Chatterjee, Nityananda Sarma and Partha Pratim Sahu	A QoS-aware Wavelength Assignment Scheme for Optical Networks	Optik - International Journal for Light and Electron Optics, Elsevier	Vol- 124, No. 20, pp. 4498 - 4501, 2013
6	Aradhana Dutta, Bidyut Deka and Partha Pratim Sahu	Modeling and fabrication of evanescent waveguide based optical sensor for sensitivity enhancement using SiON technology	Journal of Optical Engineering	Vol- 52, No- 7, 077101, 2013- July
7	Aradhana Dutta, Bidyut Deka and Partha P. Sahu	Design and fabrication of silicon oxynitride based evanescent optical waveguide sensor for rapid detection of adulteration in petrol	Journal of Proceedia Engineering	2013-December
8	Bijoy Chand Chatterjee, Nityananda Sarma and Partha Pratim Sahu	Review and Performance Analysis on Routing and Wavelength Assignment Approaches for Optical Networks	IETE Technical Review	Vol- 30, No- 1, pp- 12-23, 2013
9	Bijoy Chand Chatterjee, Nityananda Sarma and Partha Pratim Sahu	Priority based Dispersion-reduced Wavelength Assignment for Optical Networks	IEEE/OSA Journal of Lightwave Technology	Vol- 31, No. 2, pp- 257-263, 2013
10	S.Kalita, R.Kaushik, M.Jajoo and P.P.Sahu	Multichannel transceiver System Design Using Uncoordinated Direct Sequence Spread Spectrum	International Journal on current science and technology	Vol-1, No-1, pp- 97-100, 2013
11	S.Kalita, S.Babu and P.P.Sahu	Design and Implementation of a High Speed Clock and Data Recovery Delay locked loop using SC filter	International Journal of Electrical and Electronics Engineering (IJEET)	Vol- 3, No.1, pp. 1-5, 2013
12	Anup Kr. Bordoloi,	Broad Band Microstrip Antenna With	Microwave and Optical Technology Letters	Vol- 55,

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	Pranjal Borah, Satyajib Bhattacharyya and Nidhi S. Bhattacharyya	100 μ m Slits On Elevated Edges For C- And X- Band Communication,		No- 6, pp- 1285-1287, June 2013
13	D. Sarmah, N.S. Bhattacharyya and S. Bhattacharyya	Study of graded composite (LDPE/TiO ₂) materials as substrate for microstrip patch antennas in X-band	Dielectrics and Electrical Insulation, IEEE Transactions	Vol- 20 No- 5, pp- 1845-1850, 2013
14	M. P. Das and M. Bhuyan	Modeling of pH Dependent Electrochemical Noise in Ion Sensitive Field Effect Transistors ISFET	Sensors & Transducers journal	Vol- 149, No- 2, pp- 102-108, 2013- February
15	Jiten Ch. Dutt and Taslima Ahmed	Hodgkin-Huxley's Introduction of the Conductance Based Model Neuron (1952)	International Journal of Advances in Electrical and Electronics Engineering	Vol- 3, No- 1, pp- 47-49 2013, ISSN: 2319-1112
16	S. Sharma, S. Kalita, H. Mishr and S. Sharma	Design and Development of Controlled Rectifier for a PMDC Motor	IJAREEIE	Vol- 2, No- 9, pp 4363-4372, 2013- September
17	S. Roy and R. H. Vanlalchaka	Power Efficient Odd Parity Generator & Checker Circuits	IEEE Int. Conf. on Emerging Trends & Applications in Computer Science	September 2013, DOI:10.1109/ICETA CS.2013.6691397
18	D. Sonowal, S. Sharma and R. Chutia	Scaling Theory for Conical Surrounding-Gate MOSFET	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol- 2, No- 2, 2013- February
19	K. Deka and S. Roy	Biologically Inspired Circuit Model for Simulation of Glutamate Gated Ion Channels of the Postsynaptic Membrane at Synaptic Cleft	Annals of Neurosciences	Vol. 20, No. 4, 2013, DoI: 10.5214/ans.0972.75 31.200405

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20	S. Roy and R. H. Vanlalchaka	4-bit Ripple Carry Adder Using Proposed Energy Efficient Single Phase Adiabatic Logic Technique	International Journal on Current Sc. & Tech	Vol-1, No.-2, pp- 213- 217, July-December 2013
21	S. Roy and R. H. Vanlalchaka	Design & Analysis of N-Bit Comparator Based on Low Power Adiabatic Logic Technique	International Journal on Current Sc. & Tech	Vol-1, No.-2, pp- 213- 217, 2013 July-December
22	S. Roy, M. Boro, J. C. Dutta and R. H. Vanlalchaka	Acetylcholine Gated Spiking Neuron Model,	International Journal on Current Sc. & Tech.	Vol-1, No.-1, pp- 235- 239, 2013- January-June
23	S. Roy and R. H. Vanlalchaka	Power Efficient Adiabatic Gray to Binary & Binary to Gray Code Converter Circuits	International Journal on Current Sc. & Tech.	Vol-1, No.-1, pp- 119- 124, January-June 2013
24	Bhabesh Deka and P. K. Bora	Removal of Correlated Speckle Noise Using Sparse and Overcomplete Representations	Biomedical Signal Processing and Control, Elsevier	Vol- 8, No.-6, pp.- 520-533, 2013, DOI:http://dx.doi.org /10.1016/j.bspc.2013 .05.003
25	Bhabesh Deka and P. K. Bora	Wavelet Based Despeckling of Medical Ultrasound Images	IETE Journal of Research	Vol-59, No.- 2, 2013. DOI:10.4103/037720 63.113026
26	Bhabesh Deka and Sangita Choudhury	A Multiscale Detection based Adaptive Median Filter for the Removal of Salt and Pepper Noise from Highly Corrupted Images	International Journal of Signal Processing, Image Processing and Pattern Recognition,	Vol- 6, No.- 2, 2013
27	Bhabesh Deka, M. K.	Single-Image Super-Resolution Using	International Journal of Image Processing and Visual	Vol- 1,

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	Rai Baruah	Compressive Sensing	Communication (IJIPVC)	No.- 4, pp.- 8-15, 2013. http://ijipvc.org/article/IJIPVCV11402.pdf
28	M. K. Rai Baruah and Bhabesh Deka	Image Denoising Using Sparse and Overcomplete Representations-A Study	International Journal on Current Science and Technology	Vol.- 1, No. 1, pp.- 129-134, 2013
29	Ratul Kr Baruah and Roy P. Paily	Double-gate junctionless transistor for Analog Applications	Journal of Nanoscience and Nanotechnology, American Scientific publishers	Vol.-13, No.- 3, pp- 1802–1807, 2013
30	Ratul Kr. Baruah and Roy P. Paily	A Dual Material Double-Layer Gate Stack Junctionless Transistor for Enhanced Analog Performance	Communications in Computer and Information Science, Springer	Vol.- 382, pp- 118–127, 2013
31	K. Devi, D. Hazarika and V. K. Nath	Video Denoising Based on Exploiting Intrascale and Interscale Dependency in Wavelet Domain	International Journal of Computer & Communication Technology	Vol-4, No.-3, 2013
32	M. Barthakur, D. Hazarika and V. K. Nath	Wavelet based despeckling of medical ultrasound images using speckle reducing anisotropic diffusion and local Wiener filtering	International Journal of Computer Applications	Vol-73, No.4, pp-1-7, July 2013
33	Nayan M. Kakoty and Shyamanta M. Hazarika	A Two Layered Control Architecture for Prosthetic Grasping, Paladyn	Journal of Behavioral Robotics, Springer	Vol- 4, No.- 1, 2013
34	Nayan M. Kakoty, Mantoo Kaiborta and Shyamanta M. Hazarika	Electromyographic Grasp Recognition for a Five Fingered Robotic Hand	IAES - International Journal of Robotics and Automation	Vol- 2, No.-1, 2013
35	B. Mondal, J Dutta, C. Roychaudhury, D. Mohanta and H. Saha	Zinc Oxide Nano-Platelets for Effective Methane Gas-Sensing Applications	Chinese Journal of Physics	Vol- 51, No.- 5, 2013, 9941005 DOI : 10.6122/CJP.51.994

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36	K. Devi, D. Hazarika and V. K. Nath	Video Denoising Based on Exploiting Intrascala and Interscale Dependency in Wavelet Domain	International Journal of Computer & Communication Technology	Vol-4, No.-3, 2013
37	M. Barthakur, D. Hazarika and V. K. Nath	Wavelet based despeckling of medical ultrasound images using speckle reducing anisotropic diffusion and local Wiener filtering	International Journal of Computer Applications	Vol- 73, No.4, pp-1-7, July 2013
38	P. Kakoty and K. Das	Design of a high frequency and low power successive approximation ADC	IJAREEIE	Vol- 2, No.- 8, Aug 2013
39	Mukti Nath Gogoi and Riku Chuti	A Battery Operated Portable Wireless Electrocardiograph :A Bluetooth Wireless and PC Based Design	International Journal of Engineering Research and Development	Vol- 5, No.- 7, pp.-55-60 Jan2013
40	Jayeeta Sharma, Amlan Jyoti Bhagawati and Riku Chutia	Article: Fuzzy Logic based Odour Classification System in Electronic Nose	International Journal of Computer Applications	Vol- 78, No.- 15 pp- 18-21,Sept2013
41	Deepak Nath, Varun Kumar and M. Bhuyan	On-line Detection of Nerve Conduction Velocity (NCV) using FPGA	1st International Conference on Recent Trends in Engineering Technology (ICRTET), Bangalore, India	March, 2013
42	A. Bonjyotsna and .M Bhuyan	Signal Processing for Segmentation of Vocal/Nonvocal Region in Songs: A Review	International Conference on Signal Processing, Image Processing and Pattern Recognition, (ICSIPR), Coimbatore, India	February 2013
43	D.Sonowal and M. Bhuyan	Linearizing thermistor characteristics by piecewise linear interpolation in real time FPGA	Advances in Computing, Communications and Informatics (ICACCI)	2013
44	D. Hazarika and M.Bhuyan	Despeckling SAR images in the lapped transform domain	Fourth National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), IIT Jodhpur	pp. 1-5, December 2013
45	D. Sonowal and M. Bhuyan,	Piecewise Linearization of Thermistor in Real Time FPGA	ICITEC	July- 2013
46	Aradhana Dutta, Bidyut Deka and	Sensitivity enhancement of evanescent waveguide optical sensor	Proc. of SPIE 8th Ibero American Optics Meeting/11th Latin American Meeting on Optics, Lasers, and	July- 2013

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	Partha Pratim Sahu	for detecting adulterant traces in petroleum products using SiON technology	Applications, (RIAO OPTILAS), Porto, Portugal	
47	Aradhana Dutta, Bidyut Deka and Partha Pratim Sahu	Study on highly sensitive asymmetric waveguide optical sensor for detection of sucrose concentration based on leaky quasi-modes	Proc. of SPIE, 8th Ibero American Optics Meeting/ 11th Latin American Meeting on Optics, Lasers, and Applications, (RIAO OPTILAS), Porto, Portugal	July- 2013
48	Bidyut Deka, Aradhana Dutta and Partha Pratim Sahu	Comparative study on compact planar waveguide based photonic integrated couplers using simple effective index method	Proc. of SPIE 8th Ibero American Optics Meeting/11th Latin American Meeting on Optics, Lasers, and Applications, (RIAO OPTILAS), Porto, Portugal	July- 2013
49	Bidyut Deka, Aradhana Dutta and Partha Pratim Sahu	Study on compactness of planar waveguide based integrated optic couplers using tooth shaped grating assisted geometry	Proc. of SPIE ,8th Ibero American Optics Meeting/11th Latin American Meeting on Optics, Lasers, and Applications, (RIAO OPTILAS), Porto, Portugal	July- 2013
50	Aradhana Dutta, Bidyut Deka and Partha P. Sahu	Integrating optical glucose sensing into a planar waveguide sensor structure	International conference on Recent Trends in Applied Physics & Material Science (RAM), Proc. of American Institute of Physics, Bikaner, India	(AIP)- 1536, pp.- 1256-57 Feb 2013, DOI:10.1063/1.4810697
51	Bidyut Deka, Aradhana Dutta and Partha P. Sahu	Design and Fabrication of Compact Integrated Optic Waveguide Coupler using SiON/SiO ₂ Material	International conference on Recent Trends in Applied Physics & Material Science (RAM), Proc. of American Institute of Physics, Bikaner, India	(AIP)-1536, pp.- 1231-32 Feb, 2013, DOI:10.1063/1.4810685
52	B. Deka, A. Dutta, G. Hegde and P. Sahu	Fabrication and comprehensive study of silicon oxynitride based compact directional coupler and multimode interference coupler	International Conference on Communication and Electronics System Design (ICCESD), Proc. of SPIE, Jaipur, India	Vol- 8760, pp.876024-5, January 2013
53	D Sarmah, N. S. Bhattacharyya, S. Bhattacharyya and J. P. Gogoi	Study of LDPE/Al ₂ O ₃ composite material as substrate for microstrip antenna	International Conference on Communication and Electronics System Design, Proc. of SPIE, Jaipur	Vol- 8760, 2013
54	Aditya Kumar	Design of a star shaped patch for	National Conference on Advances in Electronics and	pp. 1-3, March 2013

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	Talukdar, Pranjali Borah, Anup Kr. Bordoloi and Satyajib Bhattacharyya	potential use as antenna for wearable communication systems	Communication Technology, ACET, Bareilly	
55	Nirmal Ch. Roy, Madhurya Saikia, Anup Kr. Bordoloi, Pranjali Borah and Satyajib Bhattacharyya	Computational performance evaluation of a probe coupled U-type waveguide rotary joint designed in X- band for military applications,	National Conference on Advances in Electronics and Communication Technology, ACET, Bareilly	pp. 4-5, March 2013
56	Taslima Ahmed and J. C. Dutta	An Approach to Develop Parametric Analogy of “improved” H-H Model Using GUI	IEEE International conference publication	2013, DOI:10.1109/CUBE. 2013.49
57	P. P. Dutta, S. Sharma, R. Gogoi, K. Barman, A. Mohanta, A. Chaudhury, D. Baruah, S. Gupta, T. K. Gogoi and A. Das	Design and Development of an Improved Hybrid Tricycle	Proceedings of Recent advances in Mechanical Engineering, NERIST, Itanagar	pp.- 133-139, 2013
58	D. Hazarika and M. Bhuyan	Despeckling SAR images in the lapped transform domain	Fourth National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), IIT Jodhpur	pp. 1-5, December 2013
59	Nayan M. Kakoty and Shyamanta M.Hazarika	A Biomimetic Similarity Index for Prosthetic Hands	IEEE Symposium Series on Computational Intelligence in Rehabilitation and Assistive Robotics, Singapore	pp. 32-39, 2013
60	Nayan M. Kakoty and Shyamanta M.Hazarika	Local Hand Control for Tezpur University Bionic Hand Grasping	ACM/ International Conference on Advances in Robotics, Pune	pp. 1-7, 2013
61	Tulika Bhuyan, Trishna Barman, Prem P. VEDI, Nayan M. Kakoty and Shyamanta M. Hazarika	Development of A Biomimetic Prosthetic Finger	ACM/ International Conference on Advances in Robotics, Pune	pp. 1-6, 2013
62	Amlan Jyoti Bhagabati, Jayeeta Sharma and	Optimal Combination of Frequency and Voltage for Maximum	International Conference on Nanotechnology, Haldia	pp. 1-4, 2013

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	Nayan M. Kakoty	Centre Deflection of Membrane		
63	Bhabesh Deka, Kanchan Gorain, Navadeep Kalita, and Biplab Das	Single Image Super-Resolution Using Compressive Sensing with Learned Overcomplete Dictionary	Proc. of IEEE sponsored NCVPRIPG, IIT Jodhpur, Rajasthan	December 2013
64	D. Sonowal and M. Bhuyan	Linearizing thermistor characteristics by piecewise linear interpolation in real time FPGA	Advances in Computing, Communications and Informatics (ICACCI), International Conference	pp.-1976-1980, August 2013
65	D. Sonowal and M. Bhuyan	Piecewise Linearization of Thermistor in Real Time FPGA	ICITEC	July- 2013
66	B. Mondal, S. Hungyo, C. Roychoudhury and H. Saha	ZnO nano-rod based hydrogen sensor	ICANMEET, Satyabama University Jeppiaar Nagar, Rajiv Gandhi Road, Chennai - 600 119. Tamilnadu, India	July 2013
67	B. Mondal, Sugato Ghosh, Jayoti Das, C. Roychaudhury and H Saha	Enhanced hydrogen sensitivity and selectivity of ZnO-SnO ₂ based sensor	INDICON, IEEE Bombay Section, at Victor Menezes Convention Centre, IIT Bombay	December 2013
68	B. Mondal, Bhargav Sarma, Jayoti Das, C. Roychaudhury and H. Saha	ZnO-SnO ₂ Based Composite Type Carbon Mono-oxide Sensor	International Conference On Structural and Physical Properties of Solids (SPPS), Organized By Department of Applied Physics Indian School of Mines (ISM) Dhanbad 826004, Jharkhand	November 2013
69	B. Mondal, Maibam Sanju Meetei, Jayoti Das, C Roychoudhury and H. Saha	Quantification of H ₂ , CH ₄ and CO using neural network and micor gas sensors	Int. conference on Emerging Trends in Engineering and Applied Science, organized by Rajasthan College of Engineering for Women	December 2013
70	Ratul Kr. Baruah and P. Roy Paily	Double-Gate Junctionless Transistor for Low Power Digital Applications	IEEE ICETACS, Shillong, India	September 2013
(2012)				
1	P. P. Sahu	All optical switch using optically controlled two mode interference coupler	Applied Optics	Vol.-51, No. 14, pp. 2601-2605, 2012

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2	Bijoy Chand Chatterjee, Nityananda Sarma and Partha Pratim Sahu	Priority based Routing and Wavelength Assignment with Traffic Grooming for Optical Networks	IEEE/OSA Journal of Optical Communication and Networking	Vol.-4, No. 6, pp. 480-489, 2012
3	Bijoy Chand Chatterjee, Nityananda Sarma and Partha Pratim Sahu	A Heuristic Priority based Wavelength Assignment Scheme for Optical Networks	Optik - International Journal for Light and Electron Optics, Elsevier	Vol.- 123, No. 17, pp. 1505-1510, 2012
4	A. Pachauri and M. Bhuyan	Wavelet Transform Based Arterial Blood Pressure Waveform Delineator	International Journal of Biology and Biomedical Engineering	Vol- 6, No- 1, pp15-25 2012
5	N. Dutta and M. Bhuyan	Optimal Temperature Modulation of MOS Gas Sensors by System Identification	International Journal of Signal Processing, Image Processing and Pattern Recognition	Vol.- 5, No. 2, pp. 17-28, June 2012
6	P. Borah, A.K. Bordoloi, N.S. Bhattacharyya and S. Bhattacharyya	Bridged 'V'-shaped patch antenna for dual band communication	Electronics Letters	Vol.- 48, No.-8, pp.- 419-420, April 2012
7	S. Roy, T. Ahmed and J. C. Dutta	A Simple Variant of Integrate-and-Fire Model of Neuron for Applications in Neuronal Area	2012 IEEE 2nd National Conference on Computational Intelligence & Signal Processing (CISP 2012)	pp 28-30, 2012, DOI:10.1109/NCCIS P.2012.6189679
8	Bhabesh Deka, Dipranjan Baishanb	A Noncausal Linear Prediction Based Switching Median Filter for the Removal of Salt and Pepper Noise	ACEEE International Journal in Image and Signal Processing	Vol. 3, No. 1, 2012 DOI:01.IJSIP.03.01. 1
9	Ratul Kr. Baruah and Roy P. Paily	Impact of High-k Spacer on Device Performance of a Junctionless Double-Gate Transistor	Journal of Computational Electronics, Springer	Vol. 12 pp.- 14–19, 2012
10	V. K. Nath and D. Hazarika	Image Deblocking in Wavelet Domain Based on Local Laplace Prior	International Journal of Multimedia and Its Applications (IJMA)	Vol.4, No.1, February 2012
11	V. K. Nath and D.	Statistical Distributions of Discrete	International Journal of Signal and Image Processing	Vol.3,

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	Hazarika	Walsh Hadamard Transform Coefficients of Natural Images		No.1, 2012
12	V. K. Nath and D. Hazarika	Noise reduction in video using Wiener-bilateral filter	Journal of Computer Engineering	Vol.3, No.1, 2012
13	V. K. Nath and D. Hazarika	Image Deblocking in Wavelet Domain Based on Local Laplace Prior	International Journal of Multimedia and Its Applications (IJMA)	Vol.4, No.1, February 2012
14	V. K. Nath and D. Hazarika	Statistical Distributions of Discrete Walsh Hadamard Transform Coefficients of Natural Images	International Journal of Signal and Image Processing	Vol.3, No.1, 2012
15	V. K. Nath and D. Hazarika	Noise reduction in video using Wiener-bilateral filter	Journal of Computer Engineering	Vol.3, No.1, 2012
16	D. Sonowal and M. Bhuyan	FPGA implementation of neural network for linearization of thermistor characteristics	International Conference on Devices, Circuits and Systems (ICDCS)	pp. 422-426, March 2012 DOI:10.1109/ICDCS yst.2012.6188753
17	R. Chutia and M. Bhuyan	Study of temperature modulated tin oxide gas sensor and identification of chemicals	Computational Intelligence and Signal Processing (CISP), 2012 2nd National Conference	pp. 181- 184, 2012, DOI:10.1109/NCCIS P.2012.6189703
18	R. Chutia and M. Bhuyan	On-line Concentration independent feature dimension reduction of metal oxide gas sensor based E-Nose	IEEE-International Conference On Advances In Engineering, Science And Management (ICAESM)	pp- 248-250, March 2012
19	M. P. Das and M. Bhuyan	Drift and Temperature Compensation Scheme for an Intelligent Ion-sensitive Field Effect Transistor , Sensory System	CODEC	2012
20	B. C. Chatterjee, N. Sarma, P. P. Sahu	A Study on Routing and Wavelength	Assignment Approaches for Optical Networks, Narosa Publishing House, India	pp.- 88-100, 2012
21	J. C. Dutta and Taslima Ahmed	A Simple Electronic Analog of the Postsynaptic Membrane: The NEUROBIOFET	IEEE International conference publication	pp.-670 - 672 2012, DOI:10.1109/ICDCS

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				yst.2012.6188656
22	J. C. Dutta, Phibadondor and S. Warjri	Threshold voltage and I-V Characteristics of Cylindrical, Surrounding- Electrolyte ISFET	IEEE International conference publication	pp.- 678-680 2012, DOI:10.1109/ICDCS yst.2012.6188658
23	J. C. Dutta and Monalisa Hazarika	Modeling of Enzyme Biosensor based on pH-sensitive Field Effect Transistor for detection of Glucose	IEEE International conference publication	pp.- 686-688 2012, DOI:10.1109/ICDCS yst.2012.6188660
24	J. C. Dutta	Ion Sensitive Field Effect Transistor for Applications in Bioelectronic Sensors: A Research Review	IEEE conference publication	pp.- 185-191, 2012, DOI:10.1109/NCCIS P.2012.6189704
25	S. Roy, T. Ahmed and J. C. Dutta	A Simple Variant of Integrate-and-Fire Model of Neuron for Application in Neuronal Area	IEEE conference publication	pp.- 28 – 30, 2012, DOI:10.1109/NCCIS P.2012.6189679
26	S. Sharma and K. Chaudhury	A Novel Technique for Suppression of Corner Effect in Square Gate All Around MOSFET	Electrical and Electronic Engineering	Vol-2, No.- 5, pp.- 336-341, 2012
27	P. P. Dutta, N. Saikia, S. De and S. Sharma	Development of a low cost rope brake dynamometer for performance testing of an Electric Vehicle	National Conference 57 th Annual Technical Session, Assam Science Society	2012
28	V. K. Nath and D. Hazarika	Blocking Artifacts Suppression in Wavelet transform Domain Using Local Wiener filtering	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
29	V. K. Nath and D. Hazarika	Comparison of Generalized Gaussian and Cauchy Distributions in Modeling of dyadic rearranged 2D DCT coefficients	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
30	K. Devi, D. Hazarika and V. K. Nath	Video Denoising Based on Exploiting Intrascale and Interscale Dependency	International Conference on Computer Science and Engineering	June 2012

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		in Wavelet Domain		
31	D. Rajkhowa, V. K. Nath and D. Hazarika	Video Denoising in Wavelet Domain using Doubly Local Wiener Filtering	International Conference on Electronics and Communication Engineering	June 2012
32	V. K. Nath and D. Hazarika	Blocking Artifacts Suppression in Wavelet transform Domain Using Local Wiener filtering	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
33	V. K. Nath and D. Hazarika	Comparison of Generalized Gaussian and Cauchy Distributions in Modeling of dyadic rearranged 2D DCT coefficients	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
34	K. Devi, D. Hazarika and V. K. Nath	Video Denoising Based on Exploiting Intrascale and Interscale Dependency in Wavelet Domain	International Conference on Computer Science and Engineering	June 2012
35	D. Rajkhowa, V. K. Nath and D. Hazarika	Video Denoising in Wavelet Domain using Doubly Local Wiener Filtering	International Conference on Electronics and Communication Engineering	June 2012
36	V. K. Nath and D. Hazarika	Blocking Artifacts Suppression in Wavelet transform Domain Using Local Wiener filtering	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
37	V. K. Nath and D. Hazarika	Comparison of Generalized Gaussian and Cauchy Distributions in Modeling of dyadic rearranged 2D DCT coefficients	IEEE National Conference on Emerging Trends And applications in Computer Science	March 2012
38	Sandeep K. Choudhary, Debajit Chakraborty, Nayan M. Kakoty and Shyamanta M. Hazarika	Development of Cost Effective EMG Controlled Three Fingered Robotic Hand	IEEE/ 3rd International Conference on Computer and Communication Technology, Bhopal	pp. 104-109 2012
39	Sharbani Kaushik and Nayan M. Kakoty	Mouse Cursor Control System based on facial Electromyogram and Mechanomyogram	IEEE/ 3rd International Conference on Computer and Communication Technology, Bhopal	pp.- 90-91, 2012
40	Tanushree Kalita, Nayan M. Kakoty,	End-Effector Error Analysis of a Six DoF Robotic Manipulator: Initial	National Conference on Advances in Electronics and Communication engineering	2012

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	Susmita Kaushik and Shyamanta M. Hazarika	Results		
41	Bhabesh Deka and Dipranjan Baishnab	A Linear Prediction Based Switching Median Filter for the Removal of Salt and Pepper Noise from Highly Corrupted Image	in Proc. IEEE sponsored Conference on Computational Intelligence and Signal Processing (CISP2012)	March 2012 10.1109/NCCISP.2012.6189686
42	Bhabesh Deka and P. K. Bora	A Noncausal Linear Prediction Based Switching Median Filter for the Removal of Salt and Pepper Noise	in Proc. of IEEE International Conference on Signal Processing and Communications (SPCOM 2012), IISC Bangalore	July 2012 10.1109/SPCOM.2012.6290019
43	Bhabesh Deka and Dipranjan Baishnab	Removal of Random-valued Impulse Noise Using Overcomplete DCT Dictionary,	in Proc. of International Information Technology Conference and Exhibition (CUBE 2012)	September 2012 10.1145/2381716.2381726
44	D. Sonowal and M. Bhuyan	FPGA implementation of neural network for linearization of thermistor characteristics	Devices, Circuits and Systems (ICDCS), 2012 International Conference	pp.- 422-426, March 2012 DOI:10.1109/ICDCSyst.2012.6188753
45	Apurba Kr. Rai Baruah, Gautam Talukdar and Biplob Mondal	Design of MEMS based diaphragm for micro pump in drug delivery and biomedical application	2nd int. Conf. on Biomedical Engg. and Assistive technologies (BEATS-2012), NIT, Jalandhar, India	December 2102
46	Apurba Kr. Rai Baruah and Biplob Mondal	Thermally Actuated MEMS based Silicon Micropump	Int. conf. on communication Devices and Intelligent Systems (CODIS), Department of electronics and Tele-Communication engineering, Jadavpur university, Kolkata, India	December 2012
47	R. Chutia and M. Bhuyan	Study of temperature modulated tin oxide gas sensor and Identification of chemicals	IEEE-National Conference on Computational Intelligence and Signal Processing (CISP), ABDU Guwahati	March 2012
48	R. Chutia and M. Bhuyan	Online concentration independent feature dimension reduction of metal oxide gas sensor based enose	IEEE- International conference on Advances in engineering, science and management (IEEE-ICAESM), EGS pillay engineering college Nagapattinam	March 2012

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49	R. Chutia and M. Bhuyan	Concentration normalization of pattern of metal oxide gas sensor based E-Nose	International conference on computing techniques, embedded systems and drives (ICCED), PPG institute of Technology Coimbatore,	March 2012
50	N. Kapangui and Ratul Kr. Baruah	A 2V 3GHz analog PLL using 0.18 um technology	International conference on VLSI, MEMS & NEMS (VMN), Noida, India	2012
51	Ratul Kr. Baruah	Silicon vs. Germanium Double-gate transistor	IEEE International conference on Devices, Circuits and Systems (ICDCS), Coimbatore, India	2012
52	Abhishek Sarma and Ratul Kr. Baruah	A High Slew Rate Moderate speed CMOS Opamp using 0.18 um technology	International conference on Advances in Electronics, Electrical and Computer Science Engineering (EEC), Dehradun, India	July 2012
53	Ratul Kr. Baruah and Roy P. Paily	Silicon vs. Germanium Bulk Planar Junctionless Transistor	Proceedings of IEEE 6th Silicon Germanium Technology and Device Meeting, University of California, Berkeley, USA	June 2012
54	Ratul Kr. Baruah and Roy P. Paily	Analog Performance of Bulk Planar Junctionless Transistor	IEEE ICCCNT, Tamilnadu, India	2012
55	Ratul Kr. Baruah and Roy P. Paily	High-Temperature Effects on Device Performance of a Junctionless Transistor	IEEE ICEE, IIT Bombay, India	2012 December
56	Ratul Kr. Baruah, Roy P. Paily	Estimation of Process-Induced Variations in Double-Gate Junctionless Transistor	IEEE CODEC Kolkata, India	2012 December
(2011)				
1	Bidyut Deka and Partha Pratim Sahu	Tooth shaped grating assisted structure for compact multimode interference coupler	Applied Optics	Vol.-50 No.- 25, pp. E193-E199, 2011
2	B. Deka and P. P. Sahu	Tooth shaped grating assisted geometry for Two mode interference (TMI) coupler	Journal of optics Springer	Vol-40, No.- 4, pp. 162-167, 2011
3	P. P. Sahu	Double S-bend structure for a compact two mode interference coupler	Applied optics	Vol-50, No.-3, pp.- 242-245, 2011
4	P. P. Sahu	A double S- bend geometry with	IEEE/OSA Journal of Lightwave technology	Vol-29,

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		lateral offset for compact two mode interference Coupler		No.-13, pp 2064-2068, 2011
5	P. P. Sahu, M. Singh and A. C. Baishya	Precision full wave rectifier operating at low voltage	IET Circuits, Devices and Systems	Vol-5, No.-1, pp- 33-36, 2011
6	J. C. Dutta and S. Roy	Modeling Neuron for Simulation of Transmitter Gated Ion Channels of Postsynaptic Membrane at Synaptic Cleft	American Journal of Biomedical Sciences	March 2011, DOI:10.5099/aj110300176
7	S. Sharma, J. C. Dutta and M. Bharadwaj	Response of ISFET as a function of Reference electrode position and a rule for reference electrode placement	Canadian Journal on Electrical and Electronics Engineering	Vol. 2, No. 1, January 2011
8	S. Roy and J. C. Dutta and M. Boro	GABA Gated Integrate-and-Fire Membrane Model	International J. on Electronics & Communication Tech. (IJECT)	Vol. 2, SP-1, pp-28-30 Dec 2011
9	Ratul Kr. Baruah and N. Bora	An Analytic Solution for Undoped Symmetric DG MOSFETs with Small Asymmetry in Gate-Oxide-Thickness	Journal of Computational and Theoretical Nanoscience	Vol.- 8, No. 10, pp. 2025-2028, October 2011
10	V. K.Nath, D. Hazarika and A. Mahanta	Statistical Distributions of the Lapped Transform Coefficients for Images	Journal of World Academy of Science, Engineering and Technology	No.- 60, pp. 1505-1512, Deember 2011
11	J. Dutta, S. Sarkar and B. Mondal	Design Fabrication of Experimental setup and Methane gas sensing behavior using nanostructured ZnO system	Int. Journal of nanotechnology and applications	Vol- 5, No.- 4, pp. 501-506, 2011
12	V. K.Nath, D. Hazarika and A. Mahanta	Statistical Distributions of the Lapped Transform Coefficients for Images	Journal of World Academy of Science, Engineering and Technology	No.- 60, pp. 1505-1512, Dec. 2011
13	P. Kakoty	Design of a high frequency, low voltage CMOS operational amplifier	International Journal of VLSI design & Communication Systems (VLSICS)	Vol-2, No.1, March 2011.

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				DOI:10.5121/vlsic.2011.2107
14	N. Dutta and M. Bhuyan	Dynamic Response Based Odour Classification Using MOS Gas Sensors,	Emerging Applications of Information Technology (EAIT), Second International Conference	pp. 231 – 234 February 2011
15	A. Pachauri and M. Bhuyan	ABP Peak Detection using Energy Analysis Technique	IMPACT-	2011
16	B. Deka, A. Dutta, N. Gogoi and P. P. Sahu	Comparative Study of Directional Coupler and Two-Mode Interference Coupler Based on Tooth Shaped Grating Assisted Structure	Proc. of Frontier in Optics and Photonics XXXVI OSI Symposium, , Indian Institute of Technology, NewDelhi	pp. 149- 152, December 2011
17	B. Deka and P. P. Sahu	Comparative Study of Tooth Shaped Grating Assisted Compact Directional Coupler, Two-Mode Interference Coupler and Multimode Interference Coupler	Proc. of International Conference on Trends in Optics and Photonics, University of Calcutta, Kolkata	pp. 470-475, December 2011
18	B C Chatterjee, N Sarma and P. P. Sahu	Dispersion Reduction Routing and Wavelength Assignment for Optical Networks	Proc. of International Conference on Trends in Optics and Photonics, University of Calcutta, Kolkata	pp. 456-463, December 2011
19	N. Gogoi, B. Deka and P. P. Sahu	A Comparative Study of Directional Coupler (DC), Two-mode Interference (TMI) Coupler and Multimode Interference (MMI) Coupler	Proc. of National Conference on Electronics, Communication and Signal Processing (NCECS)	September 2011
20	S. Kalita and P. P. Sahu	A New Modified Sequence Generator for Direct Sequence Spread Spectrum (DSSS)	Proc. of National Conference on Electronics, Communication and Signal Processing (NCECS)	September 2011
21	A. C. Baishya, M. K. Naskar and P. P. Sahu	A High Gain Low Noise Amplifier for 0.9-6 GHz Wireless Applications	Proc of ICDeCom-11	pp 1-3, 2011, ieeexplore digital number: 1109/ICDE COM .2011.5738525

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22	B. C. Chatterjee, N. Sarma and P. P. Sahu	A Priority Based Wavelength Assignment Scheme for Optical Network	Proc of IWNMA, Bangalore	pp 1-6, 2011
23	J. C. Dutta and S. Roy	An Electronic Circuit Model for simulation of Synaptic Communication: The NEUROISFET for Wireless Biotelemetry	IEEE, ECOM.2011	978-1-4244-9190- November 2011 DOI:10.1109/ICD57 38455
24	Pranjal Borah, Anup Bordoloi, S. Bhattacharyya and N.S. Bhattacharyya	Design of a novel “V” shaped microstrip antenna with a back reflector	Antennas and Propagation Conference (LAPC), Loughborough, U.K.	November 2011
25	Anup Kr. Bordoloi, Pranjal Borah, S. Bhattacharyya and N.S. Bhattacharyya	A novel approach for post fabrication fine tuning and matching of microstrip patch antenna using adjustable air pocket in substrate layer	Antennas and Propagation Conference (LAPC), Loughborough, U.K.	November 2011
26	Anup Kr. Bordoloi, Pranjal Borah, S. Bhattacharyya and N.S. Bhattacharyya	A Novel Spike Edged Rectangular Patch Antenna in C-band for Wireless Application	Proc. Applied Electromagnetic Conference, India	December 2011
27	P. P. Dutta, S. Sharma, N. Amin, H. Peguand and R. Chutia	Design and Development of CVT based Transmission for Hybrid Electric Vehicle	ICORE, 02-044. Tezpur University	November 2011
28	V. K. Nath and A. Mahanta	Image denoising based on Laplace distribution with local parameters in Lapped transform domain	International Conference on Signal Processing and Multimedia Applications (SIGMAP), Seville, Spain	July 2011
29	V. K. Nath and D. Hazarika	Video Denoising Using Combined Bilateral and Temporal Filtering	Proceedings of National Conference on Trends in Machine Intelligence	March 2011
30	D. Hazarika and V. K. Nath	Statistical Distributions of Dyadic Rearranged 2D Discrete Cosine Transform (DCT) Coefficients	Proceedings of National Conference on Trends in Machine Intelligence	March 2011
31	V. K. Nath and D.	Video Denoising Using Combined	Proceedings of National Conference on Trends in	March 2011

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	Hazarika	Bilateral and Temporal Filtering	Machine Intelligence	
32	D. Hazarika and V. K. Nath	Statistical Distributions of Dyadic Rearranged 2D Discrete Cosine Transform (DCT) Coefficients	Proceedings of National Conference on Trends in Machine Intelligence	March 2011
33	V. K. Nath and D. Hazarika	Video Denoising Using Combined Bilateral and Temporal Filtering	Proceedings of National Conference on Trends in Machine Intelligence	March 2011
34	D. Hazarika and V. K. Nath	Statistical Distributions of Dyadic Rearranged 2D Discrete Cosine Transform (DCT) Coefficients	Proceedings of National Conference on Trends in Machine Intelligence	March 2011
35	Nayan M. Kakoty and Shyamanta M. Hazarika	Recognition of Grasp Types through Principal Components of DWT based EMG Features	IEEE/ International Conference on Rehabilitation Robotics, Zurich	pp. 477 – 482 2011
36	Adity Saikia , Nayan M Kakoty and Shyamanta M Hazarika	Wavelet Selection for EMG based Grasp Recognition through CWT	First International Conference on Advances in Computing and Communications, Springer, Kochi	pp. 1116 – 1125, 2011
37	Nayan M. Kakoty and Shyamanta M. Hazarika	Biomimetic Design and Development of a Prosthetic Hand: Prototype 1.0	15th National Conference on Machine and Mechanisms	December 2011
38	B. D. Sarma, K. Khanikar, N. Saikia, N. M. Kakoty and S. M. Hazarika	An Experiment on Grasp Types Recognition based on Single Channel EMG	National Conference on Trends in Machine Intelligence, Tezpur University	pp.178 – 185, 2011
39	Shyamanta M. Hazarika and Nayan M. Kakoty	Development of a Bionic Hand: Prototype 1.0	National Conference Computational Intelligence and Signal Processing	2011
40	B. Deka and P. K. Bora	Removal of Random Valued Impulse Noise Using Sparse Representation	Proc. of IEEE National Conference on Communications (NCC)	January 2011, 10.1109/NCC.2011.5734762
41	B. Deka and P. K. Bora,	Enhancing the Performance of the Bayesian Pursuit Algorithm	Proc. of IEEE National Conference on Communications (NCC)	January 2011, 10.1109/NCC.2011.5734783
42	B. Mondal, M.	Oxidized macro porous silicon based	International symposium on Devices MEMS intelligent	April 2011

Sl. No	Authors	Title	Journal and Publisher	Vol-issue Page Nos. Month-year
	M. Mahanta, P. Phukan, C. Roychoudhury and H. Saha	thermal insulation in the design of microheater for MEMS based gas sensor	systems and communication, Sikkim Manipal Institute of Technology, Sikkim, India. (Proceeding published by Int. Journal of Computer Application)	
43	Rohan Buragohain and B. Mondal	Design aspects of RF MEMS switch	International symposium on Devices MEMS intelligent systems and communication, Sikkim Manipal Institute of Technology, Sikkim, India	April 2011
44	A. Saharia, S. Talukder and B. Mondal	Modelling MEMS cantilever for explosive detection: Design Aspect	National conference on computational intelligence and Signal Processing, (CISP), Assam Don Bosco Univ.	March 2011
45	J. Dutta, S. Sarkar and B. Mondal	Design, Fabrication and preliminary investigation on methane gas sensing behavior of nanostructures zinc oxide system	National conference on smart nanostructure, Department of Physics, Tezpur University	January 2011
46	R. Chutia, D. Sonowal and S. Sharma	Remote Household Appliance Control System Using GSM	Proc. of the International Conference on Advanced Computing and Communication Technologies (ACCT)	ISBN: 978-981-08- 7932-7
47	R. Chutia and G. R. Michael	Design and development of a mobile robot for application in odor source localisation	Proceedings National conference on Computational Intelligence and Signal Processing (CISP)	pp.- 15-17
48	P. P. Dutta, S. Sharma, N. Amin, H. Pegu H and R. Chutia	Design and Development of CVT based Transmission for Hybrid Electric Vehicle	ICORE, Tezpur University	November 2011
49	N.Bora and Ratul Kr. Baruah	Quantum Mechanical treatment on modeling of Drain current, Capacitances and Transconductances for thin film Undoped Symmetric DG MOSFETs	IEEE International Conference on nanoscience Technology and Social Implications (NSTSI), India	December 2011
50	Ratul Kr. Baruah and S. Das	An Analytic Solution of Channel Potential and Drain current for an Undoped Symmetric DG MOSFET using SiO ₂ and high K gate dielectrics	IEEE International Conference on nanoscience Technology and Social Implications (NSTSI), India	December 2011
51	Munish Manas	Power System Reliability Analysis in Wind Energy Generation	National Conference GTBT 2011 by Pune University	2011

School of Management Sciences

Department: Business Administration

A. Journal Publications (Peer reviewed)

Sl. No	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Barpujary H.	Assessing Quality of Websites Through Observation,	International Journal of Research in IT, Commerce and Management	P	Vol. 4 No.1 pp 28 -33 2014		
2	Borbora S. & Das D.	Financing Value Chains for Developing Rural Livelihoods	International Journal of Managing Value and Supply Chains	P	Vol. 5 No. 1 pp 9-18 2014		
3	Das D & Dutta P.	Regulating Microfinance Institutions in South Asia: Issues and Challenges with Special Reference to India	Vinimaya (NIBM)	P	Vol. XXXV, No. 1 2014		
4	Goswami C	Credit Preference of Micro and Small Enterprises of Assam (India)	Review of Integrative Business and Economics Research	C	Vol. 3 No. 2 pp 321-332 2014		
5	Goswami C & Choudhury B	Leakage of Tourism Revenue	A Review Journal of Social Sciences Bodoland University.	P	Vol 2 No. 1 pp 81-88 2014		
6	Goswami C & Phukan L.	Understanding Creativity Level of Students of 10th and 12th Standard : Evidence from Assam, India,	Review of Integrative Business and Economics Research	C	Vol. 3 No. 2 pp 358-377 2014		

7	Mahanta K	Assessment of Employer Branding from the Perspectives of Potential Employees	Vanijya,	P	Vol. 24 No. 1 pp 19-28 2014		
8	Mahanta K	Recruitment: An insight into Indian BPO industry	Research Promoter	P	Vol. 4 No. 4 pp 159—168 2014		
9	Roy A.	The Dynamics of SHG Business Model and Women Empowerment: A Study on the Scheduled Caste Women in the Sonitpur District of Assam	Pacific Business Review	P	Vol. 7 No. 1 pp 47 – 56 2014		
10	Roy, A	Effects of Online Securities Trading: Some Important Issues	Lakhimpur Commerce College Research Journal	P	Vol. 1 No. 2 2014		
11	Sarma M K	Crafts of Assam: An Exotic Attraction for Wanderers	Brahmaputra Review	P	Vol. III pp 97-110 2014		
12	Sarma M K & Dey B	Influences on Souvenir Buying Intentions of Tourists in Crafts-rich Regions	ASEAN Journal on Hospitality and Tourism	P	Vol. 11 No. 2 pp 66-85 2014		
13	Sarma M K & Goswami S.	Management of Guest Delight in Hotels: An Exploratory Study	Vision: The Journal of Business Perspective (Sage Publication),	P	Vol. 18 No. 1 pp 29-45 2014		
14	Sarma M K & Goswami S.	Relationship Management: Dimensions for Tourism	Journal of Indian Management SCMS	P	Vol. XI No. 2 pp 15-34 2014		
15	Sarma T R	Sustainability Of The Waste Management Practices In Tourist Destinations Of Nagaland: A Critical Review	International Journal of Research in Commerce and Management (IJRCM)	P	Vol. 3 No. 1 pp 7-18 2014		

16	Sarma T R	Study on the Support and Facilities Provided by Assam Agriculture Competitiveness Projects to the Dairy Cooperative Societies of Kamrup District of Assam.	Indian Journal of Animal Production and Management (IJAPM)	P	Vol 30, No 1-2, pp130-132 June, 2014		
17	Tiwari R K.	Innovative Learning Pedagogy in Business Schools, ,	International Journal of Research In Commerce, Economics & Management	P	Vol. 4 No. 8 44-47 2014		
18	Baruah P & Baruah R R	Students' Perception on Teamwork: A Study of course objectives Accomplishment and Satisfaction in Higher Education,	Pratidhwani the Echo	C	Vol- II No. IV April 2014	--	
19	Baruah P & Yasung, M	Factors Affecting Development: a Study in a State of North Eastern India,	Economic Insights – Trends and Challenges	P	Vol.III No. 2 2014	1.077	
20	Baruah P & Baruah R R	Telecom sector in India: Past, Present and Future,	International Journal of Humanities and Social Science Studies	P	Vol I. No.III, Nov, 2014	0.168 (GIF), 0.217 (ISRA)	
21	Baruah P & Chutia L J	Change Initiatives in the Retail Sector of India: A Literature Study,	Global Journal of Commerce & Management Perspective	P	Vol. 3, No. 5 2014		
22	Baruah P & Baruah R R	Growth and Development of Telecom Sector: A comprehensive Study of Assam Telecom Circle,	International Journal of Commerce and management Studies	P	Vol.VI, No. 1, Januray, 2015	0.405	
23	Baruah P & Chomal N	Performance Linked Reward and Job Satisfaction: Banking Sector,	SCMS Journal of Indian Management	P	Vol. 11, No. 4 pp 53 – 60 Oct-Dec2014	1.1	
24	Baruah P & Barthakur B J	Relationship between Organizational Strategy and Orientation: A Study on select Non- Government Organizations of Assam	Academic Discourse	C	Vol.3 No.2, pp 28 – 36 December 2014	--	

(2013-14)							
1	Baruah P & Barthakur B	Impact of Knowledge management on the organizational performance: A case study on NGO's of Assam	IASMS Journal of Business spectrum.	P	Vol. 1 2013		
2	Baruah P & Barthakur B.	Impact of Employee Attitude on Service Delivery Performance and Beneficiary Satisfaction: A case study on Non- Governmental Sector	Social Science Journal of Gargaon College,	P	Vol. 1 2013		
3	Bhuyan A	Tourism as a sustainable livelihood option for the inhabitants of the forest and forest fringe villages of Assam	Kangleipak Business Review	P	Vol VII 38-51 2013		
4	Das D & Tiwari R.K.	Methodological Issues in determining poverty: Researcher's Dilemma	Research promoter	P	Vol. 3, No. 3 pp 83 – 103 2013		
5	Goswami C & Choudhury B.	Local Economic Impact of Tourism based on National Parks: A Case Study of Kaziranga National Park	Journal Social Science	P	VOL 1, No. 1 2013		
6	Goswami C & Choudhury B.	Tourism Revenue Leakage Check SCMS	Journal of Indian Management	P	Vol. 10 No. 1, pp 1-3 2013,		
7	Mahanta K	Measuring Work life Balance of Academics: A Study of Female Teacher in Higher Education	Research promoter	P	Vol. III 2013,		
8	Roy A	Operations Self Sufficiency Performances: A Comparison of the MFIs of Assam with respect to the National MFIs,	Lakhimpur Commerce College Research Journal,	P	Vol.1 No. 1, pp 3-11. Apl- Sept2013		
9	Roy A & Goswami C	A scientometric analysis of literature on performance assessment of microfinance institutions (1995-2010)	International Journal of Commerce and Management	P	Vol. 23 No. 2 pp 148- 174 2013		

10	Sarkar S. S. & Dutta S & Dutta P)	A Review of Indian Index Funds	Global Business Review	E	Vol. 14 No. 1 pp 89-98 2013	--	
11	Phatowali A & Sarkar S. S.	Determinants of Saving Habits of Unbanked Urban Adults: an empirical study in Assam, India	Research Journal of Economics and Business Studies	P	Vol. 2 No. 4 pp 70-92 2013		
12	Sarkar S. S. & Phatowali A.	Financial Inclusion in Urban India: A Study in the State of Assam	Prajnan Journal of Social and Management Sciences	P	Vol 41 No.4, 313-342 2013		
13	Sarkar S. S.. & Pandey S.K.	Role of Development Institutes for Promoting Entrepreneurship –A Case Study on CMJSY and PMEGP	Indian Journal of Applied Research	C	Vol. 3 No.1 pp 109-110 2013	--	
14	Sarma M.K. & Baruah U.	Destination Information Sources: A Spatial Study Across Time and Expenditure	IUP Journal on Marketing Management.	P	Vol. XII No. 2 pp 59 – 69 2013		
15	Baruah U & Sarma M.K.	Tourists' Indulgence Towards Unplanned Expenditure: A Study in An Emerging Destination	Tourism Review International (Congnizant Communication Corp., USA)	P	Vol. 16 No. 3/4 pp 239-246. 2013		
16	Sarma T R & Chaudhury P	Interventions for Zero-Error Operation in a Digitally Controlled warehouse.	International Journal of Scientific and Engineering Research (IJSER),	C	Vol 4, No. 4, April 2013.	--	
(2012-13)							
1	Baruah P	Motivation for Teamwork and Individual Development: A study in Regional Medical and Research Centre in India.	Asian Journal of Research in Business, Economics and Management	P	Vol. 2 No. 9 September, 2012		
2	Baruah P & Barthakur B	Assessing beneficiary satisfaction with service delivery of non-governmental organizations.	International journal of scientific Research	C	Vol.1 No. 2, July, 2012	3.2416	

3	Baruah P & Barthakur B	Employees' attitude: Performance and Satisfaction	SCMS Journal of Indian management	P	Vol. IX, No. III pp 7-9 2012		
4	Baruah P & Barthakur B	HRM Practices and outcomes	Sidhant	P	Vol.12 No. 2 2012		
5	Baruah P & Chomal N	Achieving Organizational Efficiency in a globalized era through Performance Management: A case study on small enterprises of Sonitpur District in Assam	IFRSA Business Review	P	Vol 2 No. 1 March, 2012		
6	Baruah P & Subedi D	Employee Commitment and Organizational Performance: A study of a cooperative Jute Mill in India.	Indian Journal of commerce and management studies,	P	Vol. III, No. 3 pp 92 Sept 2012	0.405	
7	Bhuyan A.	Perspectives on ethical practices in border trade	Research in Social Science and Linguistics	P	Vol. 2 No. 1 pp 180-188 2012		
8	Bhuyan A. & Chakraborty S	A Review of the Role of Social Capital in Sustainable Livelihood Applications	Eco-centric	P	Vol. VIII pp 31-46 2012		
9	Das D & Debnath J	Performance of Insurance Companies in India: A Comparison of Public and Private Insurers	The IUP Journal of Risk & Insurance	P	Vol IX No. 1 pp 7-25 2012		
10	Goswami C & Mahanta P.C.	Checking Deforestation: Perception-Based Strategies for Reserve Forests.	IUP Journal of Environment Sciences	P	Vol. VI, No.1 2012		
11	Goswami C & Bhuyan P.	Segmental Variation in Fish Consumption Behaviour: A Case study of Sonitpur District of Assam	Indian Journal of Marketing	P	Vol.42, No.4 2012		

12	Mahanta K	Compensation & retention of talent: A special case of BPOs	Reflection	P	Vol. 1 No. 1 pp 2250 - 2258 Jan, 2012		
13	Roy A	Is Microfinance Outreach at the Cost of Profitability? A Case of the Microfinance Institutions in Assam	Pacific Business Review	P	Vol. 5 No. 6 pp 50-63 2012		
14	Roy A	Agricultural Finance vs. Profitability of Microfinance Institutions - A Case Study Of The MFIs of Assam	Asia Pacific Journal of Marketing & Management Review	P	Vol. 1 No. 3 pp 1 – 17 2012		
15	Sarkar S. S.	India and China: An Analysis of Impact of Economic Reforms,	Research Review	P	Vol. 1 No. 1 pp 90-102 2012		
15	Sarkar S. S. & Phatowali A	Urban Financial Inclusion: Analysis of Bankers' Perception: An Empirical Study in Assam,	International Journal of Business and Management Research	P	Vol. 2 No. 5 2012		
16	Sarkar S S & Baruah P	Inclusion of the Excluded: A Study on Education Guarantee Scheme (EGS) in India.	International Journal of Educational Research and Technology	C	Vol. 3 No. 1 pp 27 - 36 March 2012	--	
(2011-12)							
1	Baruah P	Health: A key sector to the service industry	YOJANA, Ministry of Information and Broadcasting	P	Vol V pp 33 – 37 Sept2011		
2	Baruah P & Sarkar S S	Primary education in Assam	YOJANA, Ministry of Information and Broadcasting	P	Vol V pp 43 – 46 Dec, 2011		
3	Baruah P. & Sarkar S.S	Utilization of Annual grants for schools provided by Axom Sarva Siksha Abhijan Mission in Assam	Indian Journal of Social Development	P	Vol. 11 No. 2 pp 599 – 614 2011		

4	Das D & Debnath J	Emerging insurance markets in Asia Where does India stand?	Journal of Commerce	P	Vol. XVI pp 122-136 2011		
5	Das R & Dutta M.	Rural Health Market and Disaster Management	Journal of NEICSSR	P	Vol. 36 No. 1 pp 67 – 72 2011		
6	Das R & Dutta M.	Rural India Market creating growth by communications	Indian Journal of applied research	P	Vol. 1 No. 3 pp 207 - 208		
7	Goswami C & Bora J	Analysis of a Water Supply Service in Tezpur Agglomeration Area	Presidency Journal of Management Thought & Research	P	Vol. 1 No. 2 pp 39 – 51 2011		
8	Mahanta K & Bezborah P	Talent management in Business Process Outsourcing industry: The issue of retention..	Vanijya,	P	Vol. 21 pp 158-178 2011		
9	Mahanta K & Bezborah P	Employee engagement in outsourcing industry: A diagnostic study.	BHU Management Review,	P	Vol. 1 No. 2 pp 84-90 2011		
10	Roy A	Delivering Microfinance Services by MFIs: A study in the State of Assam.	The MICRO FINANCE REVIEW	P	Vol. 3 No. 1, pp 53-73, (1- 6, June, 2011		
11	Roy A	The Microfinance Growth Story in Assam RRBs vs. Cooperative Banks,	SAMABAYIKA,	P	Vol 3 No. 1 pp 9-20. 2011		
12	Roy A	Quality of Services of the MFIs of Assam,	North East Economic Review	P	Vol.1 No. 1 Pp 36-50 Dec, 2011.		
13	Roy A	Understanding Retail Investors’ Heuristics.	VANIJYA	P	Vol. 4 No. 1 pp 58-65 July, 2011		
14	Roy A	Do cross-border acquisitions create shareholders’ value in the short run?	Asia Profile	P	Vol. 39 No. 1 pp 1-28. 2011		
15	Roy A	Inclusive Growth through MFIs'	Asia-Pacific Business Review	B	Vol. VII	0.583	

		Outreach in Assam			No. 3 45-60 June, 2011		
16	Roy A	Management efficiency in private banks	Chintan Research Journal	P	Vol. 1No. 2 pp 293-303. April – June, 2011		
17	Roy A	Managing Performance of MFIs – A Look into their Microfinance Delivery Process & Profitability	International Journal of Business, Strategy and Management	P	Vol. 1 No. 1 pp 1-15. June, 2011.		
18	Roy A	Making Money from the Poor Profitably at BoP: Is it Legitimate?	Rattan International Journal of Management & Technology	P	Vol. 1 pp 23-26 2011		
19	Roy A	Microfinance and Rural Development in the North East India	Pacific Business Review International	P	Vol. 3 No. 3 pp 43-56 March, 2011		
20	Roy A	Agricultural Finance vs. Profitability of Microfinance Institutions – A Case Study Of The MFIs of Assam	Asia Pacific Journal of Marketing & Management Review	P	Vol. 1 No. 3 pp 1-17 2011		
21	Sarma M.K. & Goswami S	The Road to Guest Delight: An Empirical Exploration in The Hotel Industry	ASEAN Journal on Hospitality and Tourism	P	Vol. 10 No. 2 pp 122-145. 2011		
22	Sarma M.K. & Sarmah U	Service Quality Check: Online Shopping	SCMS Journal of Indian Management	P	Vol. VIII No. VI pp 5-10 2011		
23	Sarma M.K. & Goswami S	Guest Delight: It's Significance in the Hotel Industry	IUP Journal of Marketing Management	P	Vol. 10 No. 2 pp 64-81 2011		
24	Tiwari R K & Das D	Making Finance Accessible through Financial Inclusion: Evidences from Assam	International Journal of Research in Commerce and Management	P	Vol. II, No. VI, pp. 138-150 2011		

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month- Yr	Citation index
1	Goswami C & Begum R	Comparison of Two Important Segments of Urban Informal Sector: Home-Based Enterprise and Street Vendors of Assam	Proceedings of SIBR 2014 Bangkok Conference, Bangkok, Thailand	I	5- 7, June, 2014	
2	Bhuyan, A, Kalita, B J, & Dutta H	Prospects of developing bamboo products as souvenirs: a study on selected bamboo craftsmen of Sonitpur district of Assam	Tourism and Handicraft: Challenges and Opportunities for Local Economic Development” organised by the Department of Business Administration, Tezpur University, Tezpur, Assam	N	22-23, December 2014	
3	Bhuyan, A, & Dutta H	Risk management through formal arrangements in rural Assam: a way forwarded for sustainable growth and development with special reference to Sonitpur district of Assam.	“Managing Rural Development in North East India” organised by the Department of Business Administration, Tezpur University, Tezpur, Assam,	N	7-8 Nov, 2014	
4	Bhuyan, A & Kalita, B J	Role of periodic markets in rural development: a study on rural periodic markets of Sonitpur district of Assam.	Managing Rural Development in North East India” organised by the Department of Business Administration, Tezpur University, Tezpur, Assam,	N	7-8 Nov, 2014	
5	Das R & Baruah T	Experimental Modelling of marketing inclusion for Rural agricultural Sector	National Seminar on manageing Rural Development in North east India: Perspectives, Policies and Experiences	N	pp 248 7-8 Nov 2014	
6	Sarma T.R.	Framework for a Study on Parameters Affecting Quality of Assam Silk	2nd International Conference on “Advancement in Engineering and Management”, RITS, Hyderabad;	I	pp 27 - 28 February, 2013	Yes
7	Tiwari R K & Debnath J	SHGs- Empowering Women in Rural Areas	Changing perspectives of the Socio-economic condition of the Rural women of India and measures for upliftment of their status with special reference to North Eastern Region, DKD College, Assam	N	2-3 Nov. 2013	
8	Sarma M K & Sarmah U.	Drivers of Online Shopping: An Exploration in Five Indian Cities	5th Conference on Marketing in Emerging Economies at the Indian Institute of	N	pp 351-355	YES

Sl. No	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month- Yr	Citation index
			Management, Ahmedabad		9-11 Jan 2013.	
9	Goswami C	“Pedagogical Changes For Sustainability: Focusing On Moral Hazards”	AIMS Convention, Hyderabad,	N	25 – 27 August 2012	Yes
10	Tiwari R K & Das D	Microfinance Industry amidst Global Economic Crisis: Challenges Ahead	Global Financial Crisis: Implications and Repercussions, Proceedings of the UGC, ICSSR and NEC sponsored Symposium organized by Shillong College Academic Society and Shillong College, Shillong, EBH Publishers (India),	N	pp 63-86, 2012	
11	Das R. & Dutta M.	Challenges of Community Based Tourism in a typical village of North East India	International Conference titled “Sustainable Destination Excellence: Innovations in Alternate Tourism	I	pp 17 -18 February 2011	Yes.
12	Tiwari R K & Das D	Status of Financial Inclusion in Assam	Financial Inclusion- The Issues and The Future, K.C. Das Commerce College, Guwahati, Assam,	N	pp 378-399 2011	

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1	Sarma T R	Efficient Agri Value and Supply Chain Management for achieving Rural Development: A study on Jorhat Town	National Seminar on Managing Rural Development in North East India: Perspectives, Policies And Experiences, Tezpur University	N	7 – 8 November 2014	
2	Sarma T R	Economic viability of the small holder dairy farmers in Barpeta district Assam	National Seminar on Managing Rural Development in North East India: Perspectives, Policies And Experiences, Tezpur University	N	7 – 8 November 2014	
3	Roy A	Does Sustainability Depend on	UGC Sponsored National Seminar on	N	30-31, May	

Sl. No	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
		the Age? – A Case Study on the MFIs of Assam”in a	“Microfinance and Sustainable Development in North-East India organised by Lakhimpur Commerce College in collaboration with ACTA, Lakhimpur Zonal Committee, North Lakhimpur		2012	
4	Sarma T R	FDI in Retail	Published under the section ‘Economy’; issue of Eclectic NorthEast, a mass-circulation magazine	R	November 2012	
5	Sarma T R	Material Categorization (Essential Medicines) in the Public Health Sector : Case Study of Sonitpur District of Assam, India	Accepted for oral presentation at the 6 th Asian Business Research Conference, Bangkok	I	8–10 April, 2012	
6	Bhuyan A	Local Entrepreneurship as an Approach towards Sustainable Tourism Development in North Eastern Region of India.	International Conference on Sustainable Destination Excellence: Innovations in Alternative Tourism"(SDEIAT 2011) organized by School of Hospitality and Tourism Management (SHTM) Faculty of Management Studies Univ. of Jammu.	I	17 – 18 February, 2011	
7	Das D	Informal Microfinance in Assam: Empirical Evidence from Nalbari and Baksa Dist.	MRAP Working Paper Series, September, IFMR Centre for Microfinance, Chennai.	N	2011	

D. Chapters in Books

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Barpujary H.	Promotion of Handicrafts through Websites.	Tourism and Handicrafts – A Sustainable Approach, <i>Editors:</i> Chandan Goswami, Anjan Bhuyan & Niranjana Das	Excel India Publishers, New Delhi, ISBN 978-93-84869.	pp 37 – 48, January, 2015	

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
2	Goswami C & Choudhury B	Leakage of Tourism Revenue in Kaziranga National Park.	Development of North-East India: Issues and Dimensions,	Lakshi Publisher and Distributors, New Delhi	pp. 111-146 2014	
3	Goswami C & Borkotoky R	Enhancing Women Empowerment through Involvement in Handicraft Business in Tourism Sector: A Study of Kaziranga National Park.	Tourism and Handicrafts – A Sustainable Approach, <i>Editors:</i> Chandan Goswami, Anjan Bhuyan & Niranjana Das,	Excel India Publishers, New Delhi, ISBN 978-93-84869	pp. 58-65 January, 2015	
4	Goswami C & Gurung D J	Developing Linkage between Wildlife Tourism and Handicraft for Local Economic Development: A Case Study of Kaziranga National Park.	Tourism and Handicrafts – A Sustainable Approach, <i>Editors:</i> Chandan Goswami, Anjan Bhuyan & Niranjana Das	Excel India, New Delhi, ISBN 978-93-84869.	pp 149-158 January, 2015	
5	Goswami C & Bharali P	Product Adaptation: Popularising Assam Silk as a Tourism Product.	Tourism and Handicrafts – A Sustainable Approach, <i>Editors:</i> Chandan Goswami, Anjan Bhuyan & Niranjana Das,	Excel India, New Delhi, ISBN978-93-84869.	pp 175-183 January, 2015	
6	Sarma T R & Aienla A	Community's Perception on the Socio-Economic and Environmental Impacts of Tourism in the Tourist Villages of Nagaland	Tourism and Handicrafts – A Sustainable Approach, <i>Editors:</i> Chandan Goswami, Anjan Bhuyan & Niranjana Das	Excel India, New Delhi, ISBN978-93-84869-	pp 10-6. January, 2015	
7	Bhuyan, A.	A critical assessment of gender biased labour market in Assam	Gender Issues and Status of Women in India <i>Editors</i> Devojit Phukan & Bedabrata Saikia	Avon Publications, New Delhi, India	pp.1-30 2014	
8	Bhuyan, A.	Local entrepreneurship as an Approach towards Sustainable Tourism Development in the North-Eastern Region of India	Strategic Development Policies and Impact Studies of Sustainable Rural and Community-based Tourism Parikshat Singh Manhas, Deepak Raj Gupta & Anil Gupta	Primus Books, Delhi, India.	pp.3-22 2014	
9	Roy A	Impact of Microfinance on the	Managing Rural Development	Department of Business	pp 161-172.	

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month- Year	Citation index
		Schooling of Children's: A study with reference to some MFIs in Sonitpur District in Assam	in North East India: Perspectives, Policies and Experiences. Editors: D. Das and A. Bhuyan	Administration, TU (ISBN: 978-93-81563-57-1)	2014	
10	Baruah P.	Impact of socio- cultural factors on Women Empowerment and its present status: An empirical study on Barak Valley of Assam	Women in Rural Development Ed. B. M. Doley	Publication Division Silapathar College	pp 1 - 35 2013	
11	Bhuyan, A. & Raj, M.	A Unique Biodiversity Tourist Destination	Tourism and Hospitality Industry- Applications and Role of Science and Technology. S.C Bagri, Sanjay Singh Mahar, and Servesh Uniyal	Centre for Mountain Tourism and Hospitality Studies (CMTHS), Dehradun, India.	pp. 91-106), 2013 (ISBN- 978-81-211-0848-5)	
12	Roy A.	Measuring Social Efficiency of MFIs Growth: A Case Study of Assam,	MICROFINANCE (Issues and Challenges), Eds S K Singh, H P Mathur & M Lal	Shree Publishers & Distributors: New Delhi ISBN – 978-81-8329-515-4.	pp 169-205 2013	
13	Roy A.	Operating Sustainability of the Microfinance Institutions – A Case Study of the MFIs of Assam,	Microfinance and Sustainable Development in North East India, Ed. G N Sarmah	Commonwealth Publishers Pvt. Ltd. Delhi ISBN 987-81-311-0451-4.	pp 1-15 2013	
14	Sarma M K & Goswami S.	Customer Delight in the Hotel Industry: An Exploratory Study	Tourism and Hospitality Industry: Application and Role of Science & Technology. Eds- S C Mahar & S Uniyal	Shiva Offset Printers: Dehradun	pp 1-16 2013	
15	Baruah P & Barthakur B	Employees as catalysts for sustainable service delivery- a case study on NGOs in Assam,.	Sustainable Development in North East Region, B.K. Sarma & M.K. Dutta,	Koliabor College ISBN 978-93-81694-	pp 35 - 62 2012	
16	Baruah P & Barthakur B	Effectiveness of Capacity Building Initiatives of NGOs – A Case study of Centre for Rural Development	Millenium Development Goals and Human Development Performance in North East India Eds. P. J Mahanta, C Sharma, and B.K Saikia	Dept. of Economics, Morigaon College. ISBN:978-93-81694-38-1	pp 250 - 271 2012	

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
17	Bhuyan A	The Principal Motivating Factors of Entrepreneurial Growth in Tourism Industry in Assam.	Economy of North East India Challenges and Tasks Ahead, U.K. De & M. Das	Binapani Publishing House: Guwahati ISBN:978-81-923239-1-6	pp 148 -168. 2012	
18	Bhuyan A	Ethical Dilemma in Border Trade: An Approach to the Need of Ethical Codes for the North Eastern Region of India.	Look East Policy and North East India Eds.- D. Phukan.	SSDN Publishers and Distributors: New Delhi ISBN:987-93-8117-660-3	pp 247-276 2012	
19	Bhuyan A	Sustainable Livelihood Determination of Local Stakeholders through Tourism Development in Assam.	Sustainable Tourism Issues and Challenges. M.K. Sarma, S.S. Sarkar, & C. Goswami	Macmillan Publishers Indian Limited: New Delhi ISBN:978-935-059-069	pp 17-41. 2012	
20	Das D	Microfinance in Achieving Millennium Development Goals :A case of North East India	Development Dynamics(Finance, Empowerment and Entrepreneurship) , M.C. Behera,R.C.Parida and Devi Baruah	DVS Publishers: Guwahati	pp 12-43 2012	
21	Das D	Microfinance in Assam overview in Regional Case studies in Microfinance	Regional Case Studies in Microfinance P.K.Agarwal & B Singh	DVS Publisher: Guwahati ISBN 978-81-86307-65-6	pp 109-129 2012	
22	Goswami C & Borkotoky R	Women in tourism related activities: A tool for sustainable tourism development.	Sustainable Tourism: Issues and Challenges M. K. Sarma, S. S. Sarkar and C. Goswami	MacMillan: New Delhi ISBN 978-935-059-069-0	pp 3-16 2012	
23	Goswami C & Choudhury B.	Community's Involvement in Rural Tourism Destinations: A case study of Manas National Park.	Economy of North East India Challenges and Tasks Ahead U.K. De & M. Das	Binapani Publishing House: Guwahati ISBN 978-81-923239	pp 184-200 2012	
24	Goswami C & Borkotoky R	Tourism and Women: A Community Approach.	Global Economic Slowdown: Opportunities and Challenges Eds.- S.P. Bansal, S.S. Narta, O.P. Verma, K Chandel, and D	Kanishka Publishers, New Delhi ISBN 978-81-8457-364-0	pp 378-386 2012	

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
			Sharma.			
25	Roy A.	Microfinance Initiatives for the development of the North-East India	Agriculture and Rural Development – A Foretaste, J U Ahmed	DBS Publisher: Guwahati, ISBN – 978-81-86307-44-I	pp 169-205 2012	
26	Roy A.	Microfinance Practices of the MFIs of Assam: How costly it is?	Micro Finance Through SHG – A Mechanism for Poverty Alleviation, P. K. Hazarika and B. C.. Goswami	Krantikal Prakashan Nagaon ISBN: 978-93-81694-33-6	pp 51-67 2012	
27	Sarma M K & Baruah U.	Understanding the forms of tourists' expenditure: Way to economic sustainability	Sustainable Tourism: Issues and Challenges. Eds.- M. K. Sarma, S. S. Sarkar and C. Goswami	MacMillan: New Delhi ISBN: 978-935-059-069-0	pp 59-68, 2012	
28	Sarma M K & Baruah U.	Sources of Information and the Overview of Tourists' Feedback in North east India	Economy in North East India: Challenges and Tasks Ahead U.K. De and M. Das	Binapani Publishing House: Guwahati ISBN: 978-81-923239-1-6	pp 23 - 31 2012	
29	Sarma T R.	Adaptation of quality concepts for waste management in tourist destinations	Sustainable Tourism: Issues and Challenges. Eds.- M. K. Sarma, S. S. Sarkar and C. Goswami	New Delhi: MacMillan.2012 ISBN:978-935-059-069	pp 154 – 165 2012	
30	Dutta M	“Community Based Tourism: A sustainable model for entrepreneurship development of rural tourism in NE India”.	Assam Tourism - Opportunities and Policies J Gogoi	ISBN 987-81-202-8774-7	pp 23 – 34 2011	
31	Goswami C	“Sustainability through Community Involvement in Nature Based Tourism Destinations: A Case Study of Kaziranga National Park	Tourism for development: A Managerial Approach Eds.- S.P. Bansal, S. Kulshreshtha and P. Gautam	Kanishka Publishers, New Delhi ISBN 978-81-8457-312-1	pp 347-357 2011	
32	Mahanta K	Sustainable Tourism: From the perspective of North Eastern Region.	North East India : : Approaches Towards Sustainable Development R.K Raul & J.N Saikia	Bangalore: Southern Economist.2011 ISBN978-81-910247-1-5	pp 283 - 297 2011	
33	Roy A.	SHG Movement and the Development of North Eastern	Understanding India's North East, A.K. Agarwal &	DVS Publisher: Delhi ISBN – 978-81-86307-44-I	pp 102-120 2011	

Sl. No	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
		Region of India.	Bhartendu Singh			
34	Roy A., Goswami C. & Sikidar S.	Microfinance Institutions (MFIs) : A Study on its Dynamics in a District of Assam.	Microfinance Revolution in India: Success and Sustainability, J. U. Ahmed, D. Bhagat and G. Singaiah	New Central Book Agency: Kolkata ISBN – 978-81-7381-671-0	pp 165-179 2011	
35	Roy A.	Bartoman Chatra-Chatra Samajat	Swami Vivekanandar Prasangkata. Bisoy Vivekananda Alani Baktrita, Archana Talukdar	Krantikal Prakasan: Nagaon.	pp 27-33. 2011	
36	Sarma M K & Baruah U.	Tourists' Expenditure: An Empirical Study in North-east India.	Tourism in North-East India Eds. H.R. Chutia & S. Saikia	Purbanchal Prakash: Guwahati. ISBN:978-81-7213-127-2	pp 35-50 2011	
37	Sarma T R.	Brand building for sustainable tourism - A concept document for North-East India.	Tourism Entrepreneurship Eds. Y. V. Rao and G A. Rao	Excel Books , New Delhi ISBN:978-81-7446-945-8	pp 421 -429 2011	

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1	Goswami, C, Bhuyan, A & Das N	Tourism and Handicrafts-A Sustainable Approach (eds)	Excel India Publishers: New Delhi	ISBN-978-93-84869-10-6	2015
2	Mahata K, & Bezborah P.	Understanding Attrition of BPOs in India	Lambert Academic Publishing	ISBN- 978-3-659-39203-0	2013
3	S. S. Sarkar, & Baruah P	Universalization of Primary Education: A Unique Approach	Lambert Academic Publishing	ISBN - 9783659397042	2013
4	Das D & Tiwari R K	Fundamental of Microfinance	Global Publishing House,	ISBN- 978-93-81563-03-08	2012
5	Goswami C, Sarma M K & Sarkar S S	Sustainable Tourism: Issues and Challenges (eds)	Macmillan Publishers India Limited,	ISBN- 978-935-059-069	2012
6	Das D	Microfinance in North-East India: An impact Assessment	Saarbrucken, Germany: VDM Verlag Dr. Muller	International 978-3639373240	2011

School of Humanities and Social Sciences

Department: Cultural Studies

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1.	Nath, D. P	Assam's Tale of Witch-hunting and Indigeneity	<i>Economic and Political Weekly</i>	P	Vol. XLIX. No.37. 2014		
2.	Konwar, J. G	The Historical Road for Common Prosperity of South East Asia	<i>International Journal of Humanities and Social Sciences</i>	P	Vol.4, No 9(1), July 2014		
3.	Konwar, J. G	Indigenous way of Preparation of Food as an Identity Marker: A Study in the Mishing Community of Assam, India	<i>International Journal of Business, Management & Social Sciences</i>	P	Issue 4 (1), December 2014		
(2013-14)							
1.	Dutta, P & Dutta, M	The Assamese Films of Bhabendra Nath Saikia: Another Parallel Stream of Indian Cinema	<i>Journal of Creative Communications (Sage Publications)</i>	P	2013.		
2.	Hashik, N. K	Text in the Life and Life in the Text: Towards a Complimentary Model	<i>Performing Islam</i> (University of Leeds, U. K.)	P	1, no. 2 (2013).		
3.	Nath, D. P	Indira Goswami's Under the Shadow of Kamakhya	<i>Muse India</i>	P	2013		
4.	Baruah, M	Gender Stereotypes in the Context of Assamese Folktales	<i>Research Drops</i>	P	Vol. 3, No.2. 2013		
5.	Goswami, M	Kherai of the Bodos: Imagination of Their World	<i>International Journal of Physical and Social Sciences</i>	P	January 2013		
(2012-13)							
1.	Baruah, M	Constructing Female Identity in Consanguinal and Affinal Relationship: A Study through	<i>Labyrinth: International Journal of Post Modern Studies</i>	P	2012		

		Select Assamese Proverbs					
2.	Dutta, P & Nath, PK	Ethnicity and Elite Politics: Some Reflections on Oral Narratives of Assam.	<i>Janakristi 2</i>	P	no. 5/6 (2012).		
3.	Goswami, M	Constructions of Sacred Space: The Spatial Dimensions of Kherai Altar	<i>Journal of Research, Extension and Development 2</i>	P	no. 3 (2012).		
4.	Goswami, M	Intangible Dimensions of the Kherai Ritual Site	<i>Indian Journal of Applied Research</i>	P	no. 3 (November 2012)		
5.	Goswami, M	The Bodos: Culture and Society	<i>Journal of Social Sciences</i>	P	2012		
6	Konwar, J G & Das, K	Creating Ethnicity: A Movement of Konch Rajbonshis of Assam	<i>International Journal of Humanities and Social Sciences</i>	P	2, no. 3 (2012): 301-310		
7	Nath, D P	Reading Annie Besant's An Autobiography: Tracing the Running Threads.	<i>International Journal of Current Research</i>	P	4, no. 10 (2012): 267-271		
8	Nath, D P	The Early Fiction of Alice Munro	<i>Rupkatha</i>	P	IV, no. 2 (2012).		
9	Nath, D P & Dutta, J	Africa and India in the Novels of Dai and Emecheta	<i>Comparative Literature and Culture</i> (Purdue Univ. Press)	P	14, no. 2 (2012).		
10	Nath, D P & Dutta, J	Women and Culture in India: Countering the Force of Nativity	<i>South Asian Journal of Cultural Studies, (On-line)</i>	P	4, no1(Aug, 2012).		
(2011-12)							
1.	Nath, D P & Baruah, M	Representation of the Mother Figure in Folk Genres of Assam	<i>Contemporary Discourse</i>	P	December-January 2011		
2.		The Impact of FM Channels in Rural Assam: A Case Study on adjoining areas of Guwahati	<i>Indian Streams Research Journal</i>	P	1, no. 9 (2011)		

B. Seminar/ Conference /Workshop Publications (Peer reviewed): Nil**C. Seminar/ Conference /Workshop Publications (Others)**

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1	Nath, D P	Doing Cultural Studies in India'	International Conference at Peradaniya University, Sri Lanka	I	July 04-05, 2014	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
2	Das, J. V	Alternative Sites of Resistance: Women's Struggle Find a medium.' In International Communications on Media in Transformation Exploring Role of ICT, Innovative Communications and New Media	GCRA- 2014 in Colombo, Sri Lanka	I	14-16 Feb, 2014	
3	Hashik, N. K	Social Formation in Kerala: Enduring Practices and Embodiment of Identity	International Seminar on Philosophy of Culture by Indian Council of Philosophical Research, New Delhi and Department of Cultural Studies, Tezpur Univesity	I	March 31- April 01, 2014	
4	Nath, D	Of Violence, Performance and Pornography: Analysing Media Texts from Assam	In 1st Annual International Conference on Contemporary Cultural Studies, Singapore	I	December 9-10, 2013	
5	Das, J V	Media Reches the Periphery : Studying Media Reception among Ethnic Societies'	In Proceeding of International Conference on Centering New Challenges in Media and Market Language, Faculty of Communication Arts, Chulalongkorn University, Bangkok, Thailand	I	2012	
6	Dutta, P	The Other Ecologies: Why there is no ecomuseum in India	Ecomuseum 2012: Proceedings of the 1st International Conference on Ecomuseums, Community Museums and Living Communities, edited by Sergio Lira, Rogerio Amoeda, Cristina Pinheiro, Peter Davis, Michelle Stefano and Gerard Corsane Barcelos, Portugal: Green Line Institute for Sustainable Development	I	2012. 103-107.	
7	Das, J V	FM in the Rural: The Spillovers of Resurgent Radio	International Conference on Changing Paradigms of Media Landscape: The Rise of Social Media organised by Amity Unv.	I	4-5 March, 2011	
8	Hashik, N. K	Portrayal of Mappila Family in	7th International Research Conference of	I	Jan 28-30	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
		the Malayala Nadakavedi	Indian Society for Theater Research (ISTR), , at Department of Theatre Arts, S.N School, University of Hyderabad.		2011	

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month- Year	Citation index
1	Nath, D P	Intellectual Life in Kolkata in the Nineteenth Century : Bezbaroa and the Trajectory of Assamese Modernity	Lakshminath Bezbaroa: The Architect of Assamese Literature- Issues of Nationalism and Beyond. Sarma, Madan M. and Nath, Debarshi Prasad(ed).	Perfect Imagers	2014	
2	Das, J. V	Documentaries as Protests: Voices of Unrest from Manipur	Media and Women: Emerging Perspectives. Ed. G. P. Pandey	New Delhi: Sunrise Publications	2014	
3	Baruah, M	Constructing Feminine Ideology: An approach through Assamese Proverbs	Metaphysics of Redemption: An Anthology of World Literature, Das, Nigamananda (ed.)		2014	
4	Baruah, M	The Narrative Construction of Masculinity in Assamese Folktales with Reference to Lakshminath Bezbaroa's Burhi Air Sadhu	Lakshminath Bezbaroa: The Architect of Assamese Literature- Issues of Nationalism and Beyond. Sarma, Madan M. and Nath, Debarshi Prasad(ed).	Perfect Imagers	2014	
5	Mahanta, P J	Bezbaroa's Writings on Sankardeva, Vaishnavite Religion and Philosophy	Lakshminath Bezbaroa: The Architect of Assamese Literature- Issues of Nationalism and Beyond. Sarma, Madan M. and Nath, Debarshi Prasad(ed).	Perfect Imagers	2014	
6	Dutta, P	Bezbaroa as a Folklorist	Lakshminath Bezbaroa: The Architect of Assamese Literature- Issues of Nationalism and Beyond. Sarma, Madan M. and Nath, Debarshi Prasad(ed).	Perfect Imagers	2014	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
7	Dutta, S. K	Lakshminath Bezbaroa's Poems and Lyrical Compositions	Lakshminath Bezbaroa: The Architect of Assamese Literature- Issues of Nationalism and Beyond. Sarma, Madan M. and Nath, Debarshi Prasad(ed).	Perfect Imagers	2014	
8	Nath, D P	Introduction to Cultural Studies	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
9	Hashik, N. K	Ritual Studies: A Theoretical Premise	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
10	Baruah, M	Gender and North East India	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
11	Konwar, J G	Ethnicity and Culture	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
12	Dutta, P	Heritage Studies	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
13	Goswami, M	Performance Studies	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
14	Das, J V	Media and Culture	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
15	Dutta, S K	Folklore of Assam	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
16	Mahanta, P J	North East Studies	Cultural Studies: Perspectives from North East India. edited by Pradip Jyoti Mahanta and Debarshi Prasad Nath	Guwahati: Purbanchal Prakash	2013	
17	Mahanta, P J	The Sattria Institution in Assam	Sattriya: Classical Dance of Assam.	Mumbai: Marg	2013	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
			Edited by Sunil Kothari	Foundation		
18	Mahanta, P J	Srimanta Sankaradeva Kalabiksha: Eti Darshanik Bichar	Ankiya Bhaonar Aharyya. Edited by Nirupama Mahanta	Guwahati: Directorate of Cultural Affairs	2013	
19	Mahanta, P J	Indian Drama: Tradition and Transition, An over view	Indian Drama: Tradition and Transition. Edited by Gitali Saikia and Subrat Jyoti Neog.	Jorhat: Bedakanta Books and Publications	2013	
20	Mahanta, P J	Indian Drama: Tradition and Transition	Indian Drama: Tradition and Transition. Edited by Gitali Saikia and Subrat Jyoti Neog.	Jorhat: Bedakanta Books and Publications	2012	
21	Mahanta, P J	Dr Banikanta Kakati: The Trail Blazer of Sankardeva Studies	Dr Banikanta Kakati: The Man and His Works Edited by Bhabaprasad Chaliha	Guwahati: Assam Academy for Cultural Relations	2011	

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Year
1.	Nath, D P & Sarma, M M	Lakshminath Bezbaroa: The Architect of Assamese Literature-Issues of Nationalism and Beyond	Perfect Imagers		2014
2.	Mahanta, P J & Nath, D P	Cultural Studies: Perspectives from North East India. Guwahati	Purbanchal Prakash		2013
3.	Nath, D P	Jacques Lacan and the French Feminists: Theory and Praxis.	Guwahati: Purbanchal Prakash		2013
4.	Konwar, J G	Warp and Weft: Textile Tradition of the Bodo	Guwahati: Purbanchal Prakash		2013

Department: English and Foreign Languages

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Barbora, M	Numeral System in Bugun, Deori and Nocte	North East Indian Linguistics		Accepted		
2	Borah, G K	The fox or Mr Fox?: Particularization of the bare noun.	Journal of Modern Languages		Vol 24: 1 pp. 62-70 2014		
3	Borah, G K	Are classifiers redundant? Manipulation of meaning with classifiers.	Cognitive Semantics		Accepted		
4	Daimari, E	Reading the 'Servant' in Elmo Jayawardena's Sam's Story.	Subaltern Speak		Vol 3: 2 50-55 2015		
5	Daimari, E.	Women, Partition and Memory: A Reading of Bapsi Sidhwa's Ice Candy Man and Sorayya Khan's noor.	European Journal of English Studies		Vol 9 2015 (accepted)		
6	Danta, B. K. & F. Danta	The Ghost of the Author and the Afterlife of Translation	Translation Today, <i>National Translation Mission</i>		Vol-8, No. 2 pp. 61-75		
7	Nath, A. K	CSM Induced Phonetic Changes in Modern Assamese	Indian Journal of Applied Linguistics <i>Bahri Publication</i>	P	Vol-40, No. 1-2, Pp 118-133 12- 2014		
8.	Sarkar, A	Nirbishes Bakyer Artho O Samajik Prekkhit (The Meaning and the Social Context of Generic Sentences)	Biksha <i>Delhi University</i>	P	Vol-I No. 2. pp. 20-32 2015		
(2013-14)							
1.	Biswas, Sravani	Rev. of University Loved: Reception of Tagore in North-East India	Man and Society: A Journal of North-East Studies		Vol-10, Pp 164-167		
2.	Daimari, Esther	Images of Women in Mamang Dai's Fiction.	New Academia: An International Journal of English Language, Literature and Literary Theory		Vol-2, No-4 Pp 88-93		

3.	Medhi, Hemjyoti	A Herculean Task: Women's Education and Christian Missionary Intervention in Assam	Man and Society: A Journal of North-East Studies		Vol-10, pp. 77-91		
4.	Patgiri, Bipasha	Ergativity in Axomiya	Language in India		Vol-13, No. 12 Pp 35-46		
(2012-13)							
1	Sarma, M M	Appropriation or Indigenization? Shakespeare in Assamese	Theatre International: East-West Perspectives on Theatre. <i>Avantgarde Press and Shakespeare Society of Eastern India, Kolkatta</i>		Vol V pp.68-79 2012		
2	Borah, G K	Classifiers in Assamese and their meaning chains	North East Indian Linguistics. <i>Cambridge University Press, New Delhi</i>		Vol IV pp.292-314 2012		
3	Danta, B K	Oriya Poetry, Religion and Resistance: Towards a Local Cosmology.	Religion and Society in Northeast India. <i>DVS, Guwahati</i>		2012 Pp 344-361		
4	Biswas, Sravani	Kitchen Politics and Female Space	Interdisciplinary Journal of Literature and Language		Vol-1, No.-1 Pp 234-242		
5	Nath, Arup Kr.	Khudra Bhasabor Xosakoi-e Jiyai Thakibone (Will the smaller languages survive?)	Prakax, <i>Assam Publication Board, Govt. of Assam</i>		Vol-7 Pp 72-74		
6	Nath, Arup Kr.	Sound Change in deori: A Descriptive Account	Journal of Universal Language, <i>Language Research Institute, Sejong University, South Korea</i>		Vol-13, No. 2 Pp 65-89		
7	Sahoo, Sanjib	Violence in English Literature from North-East India	Lalit Kala Cotemporary		Vol-53 Pp 21-24		
(2011-12)							
1	Dey, L &	Copula in Assam Sadri	North East Indian Linguistics		Vol 4		

	Barbora M		(NEILS) <i>Cambridge University Press,</i> New Delhi		Pp 353-370 2011		
2	Kumar, P & Abbi, A	In search of language contact between Jarawa and Aka-Bea: The languages of South Andaman.	<i>Acta Orientalia</i>		Vol 72 pp.1-40 2011		
3	Barbora, M	Nominalization and the Nominalized clause in Assamese	North East Indian Linguistics (NEILS) <i>Cambridge University Press,</i> New Delhi		2011 Pp 339-352		
4	Danta, B K	Imagined Identities: JM Cotzee's Waiting for the Barbarians	Ravenshaw Journal of English and Cultural Studies.		Vol 1: 1 pp.16-32 2011		
5	Sarma, M M	Re-contextualizing the text: Autonomy and Displacement in Translation	English Forum: Journal of the Dept. of English, <i>Gauhati University</i>		Vol 1 pp.1-11. 3- 2012.		
6	Medhi, H	The Making of an archive: Memory, Movement and the Mahila Samiti in Assam, India	Global South: Sephis e magazine, Special Issue on Gender and Development		Vol 8. 1 pp. 49-57. 1- 2012		
7	Danta, F.	Knowing and Not Knowing: V. S Naipaul's Finding the Centre	DUJES <i>Dibrugarh University</i>		Vol-19 pp. 14-23		

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month- Yr	Citation index
1	Medhi H	The Political Economy of Social Decisions: Race, Gender, Class and Caste as Fetishized/Fetishizing	Newsletter Forum on Contemporary Theory <i>Centre for Contemporary Theory</i>	N	Vol. 11 No. 2 March, 2011	

2	Mohaptra, D. & Y. Sultana	Using Animated Videos for Developing Oral Communication Skills among School Children: An Experiment	English Language Teaching in India: Problems and Prospects <i>Olympia Prakashan, Guwahati</i>	N	pp. 1-12 August, 2015	
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C. Seminar/ Conference /Workshop Publications (Others): Nil

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Sarma, M M	Thamma: At Home Yet Homeless	Amitav Ghosh's The Shadow Lines: A Critical Anthology. Ed. S.Ain	Delhi: Worldview Publications	pp.185-194 2012	
2.	Sarma, M M	Indian Oral Narrative in Postmodern Historiography: A Reading of Midnight's Children	Critical Insights: Midnight's Children. Ed. Joel Kuortti	Salem Press, Ipswich, Massachusetts	151-165 2014	
3	Sarma M M	Bilingualism and the Teaching of English as a Second Language	English Language Teaching: North East Perspectives. Ed. Shiva Prasad Mili	Perfect Imagers, Guwahati	10-20 2014	
4	Sarma M M	Lakshminath Bezbaroa's Short Stories	Lakshminath Bezbaroa's: A Critical Spectrum Ed. Dipak Jyoti Baruah	Shri Ganesh Printers and Publications	25-40 2014	
5	Sarma M M	Humour and Satire in Bezbaroa's Writings	Lakshminath Bezbaroa: The Architect of Modern Assamese Literature: Issues of Nationalism and Beyond Eds. M M Sarma and D P Nath	Perfect Imagers, Guwahati	Pp 32-57 2014	
6.	Sarma M M	Bezbarua as Fiction Writer	Bezbaroa: The Man and His Works. Ed. Ananda Bormudoi	Dibrugarh University, Dibrugarh	174-186 2014	
7.	Sarma M M	Reflections on the English Literature of the Northeast	Literature of North-East India. Ed. Mamoni Gogoi Borgohain	Kastubh Prakashan, Dibrugarh	Pp 1-7 2014	
8	Barbora, M	Language Endangerment	A Perspective in Endangered	Spectrum	2015	

			Cultures and Languages in India. Ed. G K Bera and K Jose	<i>Publications, Guwahati</i>		
9	Mohapatra, D	Higher Education: Global Challenge and Local Response	English Language Teaching in the Twenty First Century: Issues and Challenges. Ed. T Karunakaran	<i>Kumaran Book House, Colombo</i>	Pp 129-137 2014	
10	Borah, G K	Bezbaroa's Reflections on Language	Lakshinath Bezbaroa: The Architect of Modern Assamese Literature: Issues of Nationalism and Beyond. Ed M M Sarma and D P Nath.	<i>Perfect Imagers, Guwahati</i>	2014	
11.	Medhi, H	Diversity and Questions of Alliance: A Case Study of the Assam Mahila Samiti, India and the Mahila Shanti Sena, Canada	Gender and Diversity: India, Canada and Beyond. Ed. Malashri Lal, Chandra Mohan, Enakshi Sharma, Devika Narula and Amrit Basra.	<i>Rawat Publishers. Jaipur.</i>	Pp 247-259 2015	
12	Nath, Arup Kr.	Bezbaroa's Language: A Linguistic Appraisal	Lakshinath Bezbaroa: The Architect of Modern Assamese Literature: Issues of Nationalism and Beyond. <i>Ed M M Sarma and D P Nath.</i>	<i>Perfect Imagers, Guwahati</i>	2014	
13	Sarkar, A	Speaking for the Mute: A Note on Translation and Endangerment	Studies in Literature and Translation. <i>Ed. S K Misra and A K Misra</i>	<i>Lakshmi Publications, New Delhi</i>	2014	
14	Gogoi, Bashabi	Striving for Grace: A Study of the Novel and Film Adaptation of J. M. Coetzee's Disgrace	Adaptations: Some Journeys from Words to Visuals <i>Ed. Rai, Shri Krishan, Rai Anugamani</i>	<i>Newcastle: Cambridge Scholars Publishing</i>	Pp 142-154 2015	
15	Medhi, Hemjyoti	Daring to Dream: Meena Baideo and her Samiti	Saswati: A Commemorative Volume on Meena Agarwala (1924-2014) Ed. Nilakhi Barua	<i>Tezpur Mahila Samiti</i>	Pp 75-76 2014	

16	Sarma, M. M	Bezbaroa's Short Fiction	Lakshminath Bezbaroa: The Man and the Mission Ed. S. C Das and S, Ali Ahmed	<i>B. H. College Prakashan Samiti</i>	Pp 210-214 2014	
17	Sahoo, Sanjib	Exposing the Nation: Reading Mahasweta Devi's Short Fiction	In Indian Fiction in Translation: Issues and Explorations.		p. 174-199 2014	
18.	Sahoo, Sanjib & Moushumi Kandali	Imaging and Imagining Assam: Video Compact Disc Films in Assamese	Eight Glorious Decades of Assamese Cinema			
19.	Sahoo, Sanjib	Fictions of Money: Reading Lakshminath Bezbaroa's Short Fiction	Lakshminath Bezbaroa: The Architect Of Modern Assamese Literature, Issues of Nationalism and Beyond.	<i>Perfect Imagers, Guwahati</i>	Pp 121-146 2014	
20.	Barbora, M., P. Acharya and T. Wangno	Numerals in Bugun, Deori and Nocte	North East Indian Linguistics, 6. Eds. T. Stephen Morey, Mark Post and Gwendelyn Hyslop			
21.	Danta, F. and B. K. Danta	Competing Imaginaries and the Female Subject: Indira Goswami's The Man from Chinnamasta.	Women's Narratives from North East India. Ed. Debarshi Prasad Nath	<i>Sage Publications, New Delhi</i>		
22.	Danta, B. K.	Rev. of Comedy: A Rhetorical Fiction (Musically Composed)	Five Essays on Shakespeare's Comedies, Ed. Amaresh Datta,	<i>Margins 2</i>	Pp 195-206. 2013	
23.	Jha, Pallavi	Folktale to Realism: Bezbaroa's Literature.	Lakshminath Bezbaroa: The Architect of Modern Literature: Issues of Nationalism and Beyond. Ed. M M Sarma and Debarshi P Nath.	<i>Perfect Imagers, Guwahati</i>	Pp 242-252 2014	
24.	Medhi, Hemjyoti	The Aideo and her Others: Construction of Gender in Laxminath Bezbaroa's Select Writings.	Lakshminath Bezbaroa: The Architect of Modern Literature: Issues of Nationalism and Beyond. Ed. M M Sarma and Debarshi P Nath.	<i>Perfect Imagers, Guwahati</i>	Pp 88-101 2014	
25.	Danta, B. K.	Oriya Poetry, Religion and	Religion and Society in Northeast	<i>DVS, Guwahati</i>	Pp 344-362	

		Resistance: Towards a Local Cosmology	India. Ed. Dambarudhar Nath.		2011	
26.	Danta, B. K.	Mapping Contemporary NEIWE: The Road Not Taken.	Matrix of Redemption. Ed. N Das.	<i>Adhyayan, New Delhi</i>	pp. 1-14. 2011	
27.	Sarma, M.M.	Byanga Sahitya” (Satirical Literature)	Nirbachita Hasya-Byanga Galpa Sankalan. Ed. P.Thakur	Guwahati: Chandra Prakash,	pp 41-47. February, 2011	
28.	Sarma, M.M.	Bideshi Galpar Sampratik Swarup: Eti Toka” (Contemporary short stories of other countries: a note)	Prabandha Boibhav. Ed. A.K. Lahon	<i>Tinsukia: Asam Sahitya Sabha, Tinsukia District Committee</i>	Pp 11-18. March, 2011	
29.	Mohapatra, D.	Globalization, language and North East.	Marginalised Identity; An Engagement with Art, Literature, Language and Ethnicity. Eds. Basar, J., M C Behera and Lisa Lomdak	<i>Commonwealth Publishers Ltd., New Delhi</i>	2012	
30.	Nath, Arup Kr.	Evidences of Sound Changes in Tiwa: A Synchronic Study.	Studies in Linguistics of the North Eastern Languages. Eds. Awadesh K Mishra, Melissa G. Wallang and Ch. Sarajubala Devi.	<i>Lakshi Publishers and Distributors, New Delhi</i>	Pp 42-59 2012	
31.	Nath, Arup Kr.	Tiwa Language	Asomor Bhaxa (Language of Assam) Ed. Devy G. N	<i>Banalata Publishers, Guwahati</i>	Pp 420-428 2013	
32.	Sahoo, Sanjib	Problematic Representations Of Decolonization: Reading Mahasweta Devi’s Short Fiction.	Reader on Indian Fiction in English Translation, the Dept. of English, NEHU, Tura Campus.			
33.	Sarma, M.M.	Appropriation or Indigenization? Shakespeare in Assamese.	Theatre International:East-West Perspectives on Theatre, Volume V: Essays on the Theory and Praxix of World Drama Ed. T.Biswas, A.Roy and S.Dhar	<i>Kolkata: Avantgarde Press and Shakespeare Society of Eastern India.</i>	Pp 68-79 2012	

34.	Sarma, M.M.	Lakshminath Chutigalpa. Ed. A. Bora	Bezbaroar	Asamiya Chutigalpa: Oitihya aru Bibartan (Assamese Short Story: Tradition and Evolution).	Jorhat Central College.	2012	
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E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1.	Sarma, M. M	Laksminath Bezbarua: Srijan aru Manan	Alibaat publisher, Guwhati	978-93-81-069-8-29	2014
2.	Borah, Gautam K and Barnora, M	Aspects of Modern Assamese	Bhabani Print and Publications		Accepted
3.	Barbora, M	Bugun Nyo thau: Bugun Reader	Eastern Book Publishers	967-81-8344-069-1	2015
4.	Nath, A K	Impact of Code Switching-Mixing in Assamese	Publication Board, Guwahati	978-93-84733-19-3	2014
5.	Sarma, M. M.	Sinaki Prithivir Sipare (Novel)	Bani Mandir, Guwahati	978-93-81064-16-0	Dec, 2011
6.	Sarma, M. M.	Sapon Sapon Khela (Collection of Short Stories)	Bani Mandir, Guwahati	978-93-81064-15-3	Dec, 2011

Department: Hindi**A. Journal Publications (Peer reviewed)**

Sl. No.	Authors	Title	Journal and Publisher (Details)	National/ International	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Tripathi, S. K.	Yugin yatharth ka nirmal darpan : Bilesur bakariha(Published)	Research Paper, <i>Samvad</i> , ISSN: 2231-4156	National	(Page no.124-128)		
2	Tripathi, S.K.	Alibaba : Nagarjun baba(Published)	Research Paper, <i>Shodh-dhara</i> , ISSN: 0975-3664	National	(Page no.08-11)	5.0	
3	Tripathi, S.K.	Nai kavita aur vichalan : Dhumil ke bahane (Published)	Research Paper, <i>Ananya</i> , ISSN: 2250-1207	National	(Page no.80-87)		
4	Tripathi, S.K.	Lok sahitya ka samanya parichaya aur mahatva (Published)	Research Paper, <i>Sahitya vimarsh</i> , ISSN: 2319-9008	International	(Page no.124-128)		
5	Lata, A.	Usha priyambada krit pachpan khambe lal divaren	ILL, <i>University of Delhi</i> , ISSN: 2349-154X	National	2015		
6	Anushabda	Bhaktikalin sahitya mein stri-prashn	Samawet ISSN: 2321-6131	National			
7	Anushabda	Akhabari cartoonon ka samajik sarokar	Malti, ISSN: 2278-5965	International			
8	Anushabda	Patrakarita ke sabhya nakhoon : Akhabari cartoon	Samsamyik srijan ISSN: 2320-5733	National			
(2013-14)							
1	Tripathi, S.K.	Vidyapati ka abhivayakti kaushal (Published)	Research Paper, Nav nikash, ISSN: 0975-0827	National	(Page no.36-37)		
2	Tripathi, S.K.	Shaili vichar : Hindi bhasha ke sandarbha mein (Published)	Research Paper, <i>Ananya</i> , ISSN: 2250-1207	National	(Page no.80-87)		
3	Tripathi, S.K.	Samanya bhasha banam vyangya ki	Research Paper,	International	(Page no.59-		

Sl. No.	Authors	Title	Journal and Publisher (Details)	National/ International	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		bhasha (Published)	Sahitya vimarsh, ISSN: 2319-9008		63)		
4	Tripathi, S.K.	Hindi ki muslim kavyitri (Published)	Research Paper, Ananya, ISSN: 2250-1207	National	(Page no.56-58)		
5	Tripathi, S.K.	Shabada- saushthava (Published)	Research Paper, Sangrathan, ISSN: 2278-6880	National	(Page no.22-24)		
6	Lata, A.	Swachandtawad tatha chayawad	ILL, <i>University of Delhi</i> , ISSN: 2349-154X	National	2014,		
7	Lata, A.	Stri lekhan	ILL, <i>University of Delhi</i> , ISSN: 2349-154X	National	2014,		
8	Lata, A.	Hindi kahani ka vikas aur samajik parivartan, (published)	Aaroh, <i>dept. of hindi, Silchar</i> , ISSN: 2321-9882	National			
9	Anushabda	Bhramargit:Tark banam astha	Anukriti ISSN: 2250-1193	National			
10	Anushabda	Bhartiya swatantrata ke shilpi : sardar patel	Niruprah ISSN: 2349-2223	National			
11	Anushabda	Ramvilash Sharma, Hindi Jati Aur Rastriya Ekta (In press)	Bhasha: (<i>Kendriya Hindi Nidesalaya, Delhi</i>) ISSN: 0523-1418	National			
12	Anushabda	Poorvottar Ke Rajyon Mein Hindi Shiksan Ki Chunoutiyan Aur Samadhan (Assam Ke Vishesh Sandarbh Mein) In press	Mook Awaz: (On Line) ISSN: 2320-835X	National			
(2012-13)							
1	Tripathi, S.K.	Hindi : Dastane-nam (Published)	Research Paper, <i>Sahitya vimarsh</i> , ISSN: 2319-9008	International	(Page no.49-50)		
2	Tripathi, S.K.	Bahti Ganga: Adhyan Kai Kuch Bindu (Published)	Research Paper <i>Sahitya Vartika</i> ,	International	(Page no.27-29)	-	

Sl. No.	Authors	Title	Journal and Publisher (Details)	National/ International	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			ISSN: 2278-4181				
3	Tripathi, S.K.	Keral Ke hindi sahityakar, (Published)	Article, <i>Ananya</i> , ISSN: 2250-1207	National	(Page no.74-76)	-	
4	Tripathi, S.K.	Bahti Ganga: Adhyan Kai Kuch Bindu (Published)	Samvad, (<i>Rudra Visheshank</i>), ISSN: 2231-4156	National	(Page no.160-164)	-	
5	Tripathi, S.K.	Iskuli shiksha mein pahali, dusari aur tisari bhasha ke rup mein hindi shikshan	Research Paper, <i>Sahitya Vimarsh</i> , ISSN: 2319-9008	International	(Page no.27-29)	-	
6	Anushabda	Jansetna Ke Vaitalik Bhupen Hazarika Aur Baba Nagarjun, Published	Samsamayik Srijan, Delhi, ISSN: 2320-5733	National			
7	Anushabda	Bharatiyata Ke Vikash Mein Bhasayi Ekta Ki Bhumika, In press	Mook Awaz: (On Line) ISSN: 2320-835X	National			
8	Anushabda	Jankavi Nagarjun 'Janta Ke Hriday Jiya' published	Samsamayik Srijan, Delhi, ISSN: 2320-5733	National			
9	Anushabda	Apne Hi Desh Mein Begani Hindi (Published)	Samanway Poorvottar, Edition-14 th ISSN: 2231-6132	National	Jan-March, 2012		
10	Anushabda	Pratibadh Patrakarita Ke Pratiman: Akhbari Cartoon (Published)	Sahriday: Edition-14 th ISSN: 2230-8997	National	Oct-Dec 2012		
(2011-12)							
1	Tripathi, S.K.	Bhasha aur Vyaktitva (Published)	Research Paper, <i>Sahitya Vimarsh</i> , ISSN: 2319-9008	International	(Page no.34-35)		
2	Tripathi, S.K.	Agyenya ke lekhn mein sadrishya vidhan (Published)	Research Paper, <i>Shodha dristi</i> , ISSN: 0976-6650	National	(Page no.06-09)		
3	Tripathi, S.K.	Bhasha aur Samaj (Published)	Research Paper, <i>Keral jyoti</i>	National	(Page no.13-15)		
4	Tripathi, S.K.	Bhojpuri vachika kavita mein bimb vidhan (Published)	Research Paper, <i>Samvad</i> , ISSN: 2231-4156	National	(Page no.136-138)		
5	Tripathi, S.K.	Baba bateshar nath mein muharo ki tak-jhank (Published)	Research Paper, <i>Wagprawah</i> , ISSN: 0975-5403	National	(Page no.72-74)		

Sl. No.	Authors	Title	Journal and Publisher (Details)	National/ International	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
6	Tripathi, S.K.	Lokgitan mein samvad yojana (Published)	Research Paper, Sahitya amrita,	National	(Page no.57-59)		
7	Lata, A	Nasira Sharma Ke Katha Sahitya Mein Aurat: Stri Jeevan Ki Sarthakta Aur Safalta Ka Prasna	Pragarishil Udvaw ISSN: UPHIN-369-87	National			
8	Anushabda	Agyey Aur Muktibodh Ke Kavya Mein Adhunika Ki Prakriti (Published)	Samanway Poorvottar, Edition-16 th ISSN: 2231-6132	National	July-Sept 2012		

B. Seminar/ Conference /Workshop Publications (Peer reviewed): Nil**C. Seminar/ Conference /Workshop Publications (Others)**

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
	(See Note 1.)		(Additionally mention Event name if not explicit in the title)	(N, I, R or L)	(in 2 rows. See Note 3.)	
1	Tripathi, S.K.	Maitrai puspa ki atamkatha aur shaili sandarbha (Paper presented)	Organized by dept. of hindi, Tripura university, Tripura		30 March 2015	
2	Tripathi, S.K.	Lok ke ayine mein Baba batesarnath (Paper presented)	Organized by dept. of hindi, Cochin university of science and technology, kerala		03 & 04 Feb. 2014	
3	Tripathi, S.K.	Attended	Organized by Tezpur university, Tezpur on Education, Society and Human rights.		12 & 13 March 2012	
4	Tripathi, S.K.	Bhojpuri lokgitan mein mehraru (Paper presented)	Organized by Akhil bhartiya Bhojpuri sahitya sammelan, Bihar		26 & 27 Nov. 2011	
5	Lata, A	Samakalin Hindi Kahaniyon Mein Bharatiyata	Organized by dept. of hindi, RG university, Itanagar		2013	
6	Lata, A	Bhupen Hazarika Ke Geetoin Mein	Organized by dept. of hindi, Guwahati			

		Samajik Chetna	university, Guwahati		2012	
7	Anushabda	Bhakti Aandolan Ka Sanskritik Mahatta, (Shabda Bharati, Guwahati)	-		23-24 march, 2013	
8	Anushabda	Bharatiyata Ke Vikash Mein Bhashayi Ekta Ki Bhumika (RGU, Itanagar)	-		24-25 April, 2013	
9	Anushabda	Jalwayu Parivartan Aur Jeevan Mein Uska Prabhaw (DRD, Tez)	-		30 December, 2013	
10	Anushabda	Krantikari Kavi Bhupen Hazarika Aur Baba Nagarjun (G.U.)	-		17-18 Nov. 2012	

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
	(See Note 1.)		(Eds)		(in 2 rows. See Note 3.)	
1.	Nath, A.K.	'Arunachal Pradesh Mein Hindi Dasha Aur Disha', Samasamayik Hindi Sahitya: Vividh Aayam, 2012	Bal Souri Reddy	Shanti Prakashan, Gujrat, (ISBN: 978-93-81090-61-9)	2012	
2.	Tripathi, S.K.	Nai kavita aur vichalan : dhumil ke bhane (Book : Nai kavita : vividh paksha) published 2014	Dr.Aditi shaikiya	Udyog nagar Prakashan, Gaziabad (UP), ISBN: 978-93-80455-76-1	2014	
3.	Tripathi, S.K.	Dakhani hindi to hindi ki bahumulya kadi hai (Book: Hindi Bhasha Aur Sahitya Kai Vividh Paridrisya) published, 2012	Dr.Amit Kr Pandey	Manish Prakashan, Varanasi, ISBN: 978-93-81539-58-3	2012	
4.	Tripathi, S.K.	Keral Mein Hindi Prachar-Prasar Ka Aitihashik Sandarv (Book: Samasamayik Hindi Sahitya: Vividh Aayam), published: 2012	Dr.Balasauri Reddy	Santi Prakashan, Gujrat, ISBN: 9789381090-61-09		

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month- Year	Citation index
	(See Note 1.)		(Eds)		(in 2 rows. See Note 3.)	
5.	Tripathi, S.K.	'Bhasha Ki Bharatiya Avadharana'(Book: Hindi Bhasha Aur Sahitya Kai Vividh Paridrisya) published 2012	Dr.Amit Kr Pandey	Manish Prakashan, Varanasi, ISBN: 978-93-81539-58-3	2012	
6.	Tripathi, S.K.	'Bahati ganga : adhyan ke kuch bindu'(Book: Hindi upanyas : Ek antaryatra) published 2012	Dr.Amit Kr Pandey	kalaPrakashan, Varanasi, ISBN: 978-93-81698-22-8	2012	
7.	Tripathi, S.K.	'Bhojpuri lokgiton ka kavyatamak vaishishtya'(Book: Lokrang-2) published 2011	Subhash Chandra Kushwaha	Sahyatra Prakashan, Pvt. Ltd. Dilsad garden, Delhi, ISBN: 978-81-908672-3-8	2011	
8.	Tripathi, S.K.	'Lok sanskriti aur manvadhikar : lok sahitya ke ayine mein'(Book: Manvadhikar ke vividh ayam) published 2011	Dr.Udayan Mishra	Vijya prakashan mandir Pvt. Ltd. Varanasi, ISBN: 978-93-81750-96-4	2011	
9.	Lata, A.	Dalit sahitya lekhan aur yatharthawad (Book: Samkalin vimarsh: mudde aur bahas)	Ravi pratap Goan and Mahendra pratap singh	Anag prakashan, Delhi, ISBN:978-93-80845-26-5		

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
	(See Note 1.)				(See Note 3.)
1	Nath, A.K.	Yogbeej (Translated in Assamese)	Nath culuter and research centre, Guwahati		2015

2	Nath, A.K.	Sandesh rashak (Translation & Criticism in Assamese)	Bandhav Prakashan	978-81-925880-0-1	2014
3	Tripathi, S.K.	Lok Ka Awalokan	Arya Prakashan Mandal, Gandhi Nagar, Delhi	978-81-89982-81-2	2013
4	Tripathi, S.K.	Bhojpuri Lokkgeet: Shaili Vyagyanik Adhyan (published)	Priya Sahitya Sadan, New Delhi	978-81-88705-39-9	2012
5	Tripathi, S.K.	Wart ki Bhojpuri lok kathayen (published)	Priya Sahitya Sadan, New Delhi	978-81-88705-39-0	2012
6	Tripathi, S.K.	Riti sidhant aur Shaili vigyan (published)	Aman prakashan, Kanpur(UP)	978-93-80417-42-4	2011
7	Anushabda	Hindi Patrakarita : Rupak banam Mithak(Published)	Vani Prakashan, New Delhi	978-93-5072-757-7	2014

Department: Mass Communication & Journalism

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Bora, A. & Rajkumar ^c A.	Through the looking glass.	VIDURA – quarterly journal of the Press Institute of India (Research in Newspaper Development - RIND) ISSN No 0042-5303	N	Vol. 6, Issue 3, (P 21, 22) July-Sep 2014		
2	Bora, A.	India at 21 st century: Resurgent media versus freedom of expression.	Souvenir of Press Council of India on the occasion of National press Day, November 16, 2014 under the aegis of Press Council of India, Delhi	N	(P 41-43)		
3	Bora, A.	Challenges as goals for India's education sector	Journal of UGC-Academic Staff College, Himachal Pradesh University, Shimla ISSN 2229-6581	N	Vol. XVII, No 1 P 56 – 58) Academe, 2014		
4	Perumal, A. & Ratnamala ^c V	Images of Violence in Northeast India and National Press: A case study of Bodos and Bengali Speaking Muslims Ethnic Conflict	Contemporary Discourse: A Peer Reviewed International Journal,	P	Vol.6, No.1 2015.		
5	Chakraborty, J.	International Perspectives in Information and Communication Technologies for Development: Imperatives of Technology and Intersecting Community Needs	<i>The Communicator.</i> IIMC, New Delhi	P	2015		
6	Pegu, Uttam	The Paradox of Sustainable Development: Understanding the Socio-Cultural Impact of Dam-Induced Development in North-East India	<i>Literary Churning International Journal of Language, Literature and Culture</i> ISSN 2320-494X (Accepted for publication)	P	2015		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
7	Pegu, Uttam	Concerns and Constraints of Filmmaking in North-East India	<i>Mass Communicator- International Journal of Communication Studies</i> ISSN 0973-9688 (Accepted for publication)	P	2015		
8	Pegu, Uttam	The Changing Paradigm in Teaching-Learning in Higher Education: An Analysis on the Problems and Prospects in Technology Enhanced Knowledge Dissemination	<i>INSIGHT</i> ISSN 0975-0665 (Accepted for publication)	P	2015		
9	Pegu, Uttam	Universities In An Era Of Open And Distance Education: Reflections On The Technological Challenges And New Directions In Higher Education	<i>Pierian Spring</i> ISSN 2349-3410	P	2014		
10	Pegu, Uttam	Information and Communication Technology in Higher Education in India: Challenges and Opportunities	<i>International Journal of Information and Computation Technology</i> ISSN 0974-2239	P	Vol.4. pp. 513-518 2014		
11	Pegu, Uttam	Media and Environmental Communication: A Study on Media Coverage of Environment News in Traditional Media and Development Issues	<i>Edited by Ambrish Saxena, Kanishka Publishers New Delhi</i> ISBN 978-81-8457-586-6	P	2015		
12	Pegu, Uttam	Media Coverage on Ethnic Conflict in North-East India: An Analysis on the Issues and Challenges in Conflict Communication	<i>Global Journal of Finance and Management</i> ISSN 0975-6477	P	Vol 6, No. 1, pp. 89-92		
13	Lakhendra, B.	A Study on the influence of Mass Media on the Culture and Tradition of Singpho Tribe in Tinsukia district of Assam, India	<i>Journal of Business Management & Social Sciences Research (JBM&SSR)</i> ISSN No: 2319-5614	P	Vol-3, No.2, April 2014		
14	Nagraj, A.	Advertisements that seek to transform a nation	VIDURA – quarterly journal of the Press Institute of India	N	Vol 6 Issue 2. April-June		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			(Research in Newspaper Development - RIND), Chennai ISSN 0042-5303		2014)		
15	Malakar, K.	Situational Analysis of the Impact of Liberalism on Policy Paradigm and Growth Stats of Telecommunication in India	International Journal of English Language Literature and Humanities (IJELH) ISSN: 2321-7065	N	Volume III, Issue I, March 2015,		
16	Malakar, K.	Redefining the Role of Altruism in Shaping Household Development	International Journal of English Language Literature and Humanities (IJELH) ISSN: 2321-7065	N	Volume III, Issue I, March 2015		
17	Malakar, K.	Role of Cell Phone in Creating Coveted Mobility in JOB viewing the Current Employment Challenges in Service Economy	Paripex - Indian Journal of Research Journal DOI : 10.15373/22501991 ISSN No. 2550-1991 (Accepted for publication)	N	April Issue 2015		
(2013-14)							
1	Bora, A	Genre and Sports Films of Bollywood	Journal of research, Extension and Development ISSN No 2319-1899	P	Vol. 1, No 11 (P 103-105) July, 2013		
2	Bora, A	Community Radio seeks that elusive boost	VIDURA – quarterly journal of the Press Institute of India (Research in Newspaper Development - RIND), Chennai ISSN No 0042-5303	N	Vol. 5, Issue 2 (P 24, 25) April-June 2013		
3	Bora, A & Nath ^c , R.C.	ICT in Open and Distance Learning	University News (ISSN 0566-2257) <i>Association of Indian Universities, Delhi</i> ISSN NO 0042-5303	N	Vol 51, No 23, (P 6-10) June 10-16, 2013		
4	Perumal, A.	Media in Assam: Moving From Late News Syndrome to 24 x 7	Aayvagam An International Journal of Multidisciplinary Research	P	Volume No. 1 Issue No. 5 June 2013.		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			(ISSN (Online) : 2321 – 5259/ ISSN (Print) : 2321 – 5739				
5	Perumal, A.	Medium is the Message Versus Message in (Mobile) Media: Rethinking Development Communication	Global Journal of Communication, (Refereed International journal) ISSN: 09740600	N	Vol. 7. No. 1. 2014		
6	Pegu, Uttam	Information and Communication Technology in Development: Can it help Include the Excluded?	<i>International Journal of Management and Behavioral Sciences (IJMBS)</i> ISSN 2278-5671	P	Vol.5 December 2013		
7	Pegu, Uttam	Information and Communication Technology in Inclusive Development: Assessment on Citizens' Perception and Usage Pattern of E-Governance in Assam	<i>In the Journal of Northeast Indian Cultures, An International Journal of Assam Don Bosco University</i> ISSN 2322-0988	P	Pg: 100-112 2013		
8	Lakhendra, B.	Leprosy Eradication : Contribution of Bapu and Media Literacy	<i>Drashta, International Refereed Journal</i> ISSN : 2277-2840	P	Volume- 6 Pg No. 287-293 March- May 2013		
9	Lakhendra, B.	MGNREGA and Gender Equity : Role of Community Media	<i>Chintan , International Refereed Journal</i> ISSN : 2229- 7227	P	Volume – 10 Pg No.334-340 Apr-Jun 2013		
10	Lakhendra, B.	A Study on Bhupen Hazarika's Songs and Its Impact on Assamese Society	<i>International Journal of Humanities and Social Sciences (IJHSS)</i> Internationally Indexed and Refereed Journal ISSN : 2319-393X	N	Volume- 2, Issue -3. Pg No.13-24 July 2013		
11	Nagraj, A.	A Call for more responsible reporting	VIDURA – quarterly journal of the Press Institute of India (Research in Newspaper	N	Vol. 5, Issue 2 April-June 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			Development - RIND), Chennai ISSN No 0042-5303				
12	Nagraj, A.	Significance of Time Biased Media in 21 st Century	Paripex- Indian Journal of Research ISSN:2250-1991	N	Vol-2, Issue-2 2013		
13	Nagraj, A.	Re-reading McLuhan in the Second Decade of 21 st Century	IOSR Journal ISBN:2279-0845	N	Vol-9, Issue-5 2013		
14	Nagraj, A.	Political Movements of Changing Media Ecologies	Advances in Journalism and Communication ISSN:2328-4935	N	Vol-1, Issue-2 2013		
(2012-13)							
1	Bora, A.	Preserving India's Folk and Tribal Literature : An Overview { <i>Special issue on Indigenous Voices – Mapping India's Folk and Tribal Literature</i> }	University News (ISSN 0566-2257) <i>Association of Indian Universities, Delhi</i> ISSN NO 0042-5303	N	Vol 51, No 05 (P. 136-141) February 04-10, 2013		
2	Chakraborty, J. & Borah ^c , A.	Participatory Audio Video Experiments: Explorations in Practice and Pedagogy.	<i>Media Mimansa</i>	P	Vol 6 (2-3). pp. 58-65. 2013		
3	Chakraborty, J. & Borah ^c , A	Witch hunting in Assam: Strategizing Alternative Media for Women Empowerment and Overcoming Superstition	<i>Journal of North East India Studies</i>	P	Vol.3 (2). Pp. 15-26 2013		
4	Pegu, Uttam	A Study on the Scope and Utilities of Information and Communication Technology Projects in Assam: Case of Dharitree Project in Viewpoint	<i>An International Journal of Management and Technology</i> ISSN- 2229-3825	P	Vol. 3 No. 1 June 2012		
5	Pegu, Uttam	De-Stigmatizing HIV/AIDS: Intervening Mass Media Efforts and Strategies in Mitigating the Epidemic and the Implications of Social Change Communication	<i>The International Journal of Management and Behavioral Sciences (IJMBS)</i> ISSN 2278-5671	P	Vol.1 June 2012		
6	Pegu, Uttam	Advertising Ethics in a Global	<i>Edited by Ambrish Saxena,</i>	P	2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
		Environment: An Analysis of the Recent Trends and Practices in Advertising in Issues of Media Policy Regulation and Ethics	<i>Kanishka Publishers, New Delhi</i> ISBN 978-81-8457-401-2				
7	Daimari, P D & Bora ^c A	Sports films for social message communication	<i>New Media and Mass Communication</i> International Institute for Science, Technology & Education Accelerating Global Knowledge Creation and Sharing ISSN 2224-3267	P	Vol- 6 Pg : 5-8 2012		
8	Daimari, P D & Bora ^c A	Nationalism in Bollywood Sports Films	<i>International Journal of Research Extension and Development, Tamil Nadu</i> ISSN 2321-3434	P	Vol-1, No-2 Pg: 58-61 2013		
9	Daimari, P D & Bora ^c A	Gender and Sports Films of Bollywood	<i>Journal of Research, Extension and Development, Tamil Nadu</i> ISSN 2319 - 1899	P	Vol – 11, No-11 Pg:103-105 2013		
10	Borah, A. & Chakraborty ^c , J.	Participatory Audio Video Experiments: Explorations in Practice and Pedagogy.	<i>Media Mimansa</i>	P	Vol 6 (2-3). pp. 58-65. 2013		
11	Borah, A & Chakraborty ^c , J.	Witch hunting in Assam: Strategizing Alternative Media for Women Empowerment and Overcoming Superstition	<i>Journal of North East India Studies</i>	P	Vol.3 (2). Pp. 15-26 2013		
(2011-12)							
1	Bora, A.	Media as a catalyst for higher education	<i>Journal of New Media and Mass Communication (NMMC)</i> <i>International Institute for Science, Technology & Education (IISTE), USA</i>	P	Vol. 2, (P 60 – 66) 2012		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			ISSN 2224-3267 (Print) / 2224-3275 (Online)				
2	Bora, A.	Media psychology : The need of the hour	Journal of US-China Education Review B (Education Theory), <i>David Publishing Company, USA</i> ISSN 2161-6248	P	Vol. 2, No 10 (P 858-866) Oct 2012		
3	Bora, A.	Sports films for social message communication	Journal of New Media and Mass Communication (NMMC) <i>International Institute for Science, Technology & Education (IISTE), USA</i> ISSN 2224-3267 (Print) / 2224-3275 (Online)	P	Vol. 6, (P 5 – 8) 2012		
4	Bora, A.	Journalism in the 21st Century World – Tackling Challenges	Mediterranean Journal of Social Sciences <i>Mediterranean Centre of Social and Educational Research, Rome, Italy</i> ISSN 2039-9340 (print) ISSN 2039-2117 (online)	P	Vol. 3, No. 1 (P 393-400) January 2012		
5	Bora, A.	Community Radio Movement in India – Few Aspects Requiring Attention	Mediterranean Journal of Social Sciences (Jointly with Ph D scholar) <i>Mediterranean Centre of Social and Educational Research, Rome, Italy</i> ISSN 2039-9340 (print) ISSN 2039-2117 (online)	P	Vol. 3, No. 1 (P 241-250) January 2012		
6	Bora, A.	Public Service Broadcasting By Radio: Challenges Ahead	Journal of New Media and Mass Communication (NMMC) <i>International Institute for</i>	P	Vol. 1 (P 11- 20) 2011		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			<i>Science, Technology & Education (IISTE), USA</i> ISSN 2224-3267 (Print) / 2224-3275 (Online)				
7	Bora, A.	A few tenets of the US Mass media	VIDURA – quarterly journal of the Press Institute of India (Research in Newspaper Development - RIND), Chennai	N	Vol. 3, No 1, (P 22-25) Jan-March, 2011		
8	Bora, A.	Higher education – consolidation of existing facilities	Academe, Journal of Academic Staff College, Himachal Pradesh University	N	Vol. 25, No 1 Jan. 2012		ISSN No 2229-6581
9	Bora, A.	Educational institutions and government : Potential preservations of our cultural heritage (Special issue on Indian Cultural heritage on the occasion of 20th New Delhi World Book Fair)	University News (ISSN 0566-2257) <i>Association of Indian Universities, Delhi</i>	N	Vol 50, No 09, (P – 23-27, 30) Feb 27-Mar 4 2012		
10	Bora, A.	Professional education : overcoming major challenges	University News, ISSN 0566-2257 <i>Association of Indian Universities, Delhi</i>	N	Vol. 49, No 52 (P 9-13) Dec 26–Jan 1 2012		
11	Bora, A.	Higher education in India : A few stray thoughts	University News, ISSN 0566-2257 <i>Association of Indian Universities, Delhi</i>	N	Vol. 49, No 46 Nov 14-20, 2011 (Page 5-10)		
12	Bora, A.	Higher education in India : A few aspects needing attention	University News, ISSN 0566-2257 <i>Association of Indian Universities, Delhi</i>	N	Vol. 49, No 20, May 16-22, 2011, (Page 7-12)		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
13	Bora, A.	Psychology and media studies, deriving the optimum benefit	Indian Journal of Health and Well-Being, <i>Publication of the Indian Association of Health Research and Welfare</i> , Hissar, (Chief Editor Dr Sunil Saini) ISSN no 2229-5356	N	Vol. 2, Issue 4, Pg. 674-679 December, 2011		
14	Bora, A. & Lakhendra ^c B.	Community media for Human Development : Empowerment through the Psychological Route	Indian Journal of Health and Well-Being, <i>Publication of the Indian Association of Health Research and Welfare</i> , Hissar, India (Chief Editor Dr Sunil Saini), IOCPAS Part – I ISSN no 2229-5356	N	Vol-2, Issue-4 Pg: 650-656		
15	Perumal, A.	The Changing Face Media in Assam	(Thittam), Yojana, ISSN. 0971-8362	N	Vol. 42 No Dec, 2011.		
16	Chakraborty, J.	Local Self Governance as Democratic Participation: The Unique Case of the Nagas	<i>Journal of Business Management & Social Sciences Research</i> .	P	Vol.1 (2). pp 98-104 2012		
17	Pegu, Uttam	Information and Communication Technology Implications: An Analysis of the Impact and Adoption of E-Governance in India	<i>The International Journal of Management & Computing Sciences (IJMCS)</i> ISSN 2231-3303	P	Vol.1 No. 4 Oct-Dec 2011		
18	Lakhendra, B.	Community Radio Movement in India – Few Aspects requiring attention	<i>Mediterranean Journal of Social Sciences</i> ISSN 2039-2117	P	Vol-3, Issue-1 Pg: 241		
19	Lakhendra, B. & Bora ^c , A.	Community Media for Human Development : Empowerment through the Psychological Route	Indian Journal of Health and Well-Being, <i>Publication of the Indian</i>	N	Vol-2, Issue-4 Pg: 650-656		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
			<i>Association of Health Research and Welfare, Hissar, India</i> (Chief Editor Dr Sunil Saini), IOCPAS Part – I ISSN no 2229-5356				

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1	Bora, A.	Popularizing renewable energy through media	Renewable Energy and sustainable development, <i>EBH publishers, Guwahati</i> ISBN No 978-93-80261-78-2		(P 368-386) 2012	
2	Bora, A.	Challenges to media ethics & freedom of expression in the age of new media	Issues of Journalistic Ethics and freedom in the Contemporary Age of Digital media <i>Published by University of Calcutta</i> Edited by Prof. Tapati Basu ISBN no 81-86263-02-4		(P 98-103) 2012	
3	Bora, A.	Freedom of expression in India – A myth or reality	Issues of media policy regulation and ethics, Edited by Ambrish Saxena, <i>Kanishka Publishers, Delhi,</i> ISBN No 978-81-8457-401-2		(P 41-52) (2012)	
4	Bora, A.	Corporate mass media organizations : Business concerns versus social responsibility	Handbook of Management and Behavioural Sciences <i>Published by Society of Management and Behavioural Sciences, INDIA</i>		(Vol. 6) (P 158-171) 2012	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
			ISBN No 978-93-81505-27-4			
5	Bora, A.	ICT and mass media convergence : A new business horizon	Handbook of Management and Behavioural Sciences <i>Published by Society of Management and Behavioural Sciences, INDIA</i> ISBN No 978-93-81505-27-4		(Vol. 6) (P 146-157) 2012	
6	Malakar, K.	Envisaging M-Government: Constraint of Mobile telephony in Rural Assam	National Seminar on Rural development in North-east India: Problems and Prospects, 3 rd -4 th Feb, 2012 organized by Borbhag College in Collaboration with Assam College teachers association. ISBN 978-81-910812-4-4		Edited volume 2012	
7	Malakar, K.	An analytical study on the effective use of wiki technology among the students of Tezpur University	National seminar on the issues of content & technology in contemporary media-ICT CM June 28-30, 2012 organised by college of journalism and mass communication. Book issues of media policy regulation and ethics Edited by Ambrish Saxena <i>Kanishka Publishers, Distributors</i> ISBN 978-81-8457-401-2		2012	
8	Malakar, K.	“Digital convergence and emerging market dynamics- how far we are to reach people?”	“Connected on line business unfurled” published by Department of Business Administration, School of Management studies.		Special Commemorative Volume II, of Sampark 2012,	
9	Bora, A.	Ethics in advertising : How to balance mass expectation and	SIBR-THAMMASAT 2013 Conference on Interdisciplinary	I	Volume 2, Issue -2,	

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
		business interests	Business and Economics Research (SIBR) held at Bangkok from June 6-8, 2013, Theme : Rethinking Business and Economic Issues from Interdisciplinary Perspectives: Evolutions and New Solutions, International conference organized by Economics Dept., Thammasat university and Society for International Business research ISSN No 2223-5078		(2013	
10	Lakhendra, B	Women Empowerment through Community Radio	<i>Proceedings Book of the National Seminar on Changing Perspective of ... North Eastern Region</i> Edited by – Dr. Minuara Begum		Page No.354-358 June 2013	
11	Pegu, Uttam	Social Media and Citizen Journalism: Has the New media re-conceptualized the theory and practice of Journalism?	Published in a book as part of National Seminar organized by S.D.M. College, Karnataka on March 7 th & 8 th , 2014	N	2014	

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1	Lakhendra, B.	Role of Community Media for Renewable Energy Education Capacity Building	International Congress on Renewable Energy organised by SESI, India & Department of Energy, TU, Assam (2 – 4 Nov, 2011)	I	Pg: 241 2011	

		and Training				
2	Daimari, P. D	International Relationship Building through Sports Films in Diverse Fields and Areas	Issues of Media Content Market and Technology. <i>Kanishka Publishers, New Delhi</i> ISBN:978-81-8475-402-9	N	Pg: 49-56, 2012	
3	Daimari, P. D	Sports: Generating Identities Beyond Boundaries	Problems on Ethnicity, Identity and Literature <i>Sivsagar College, Assam</i> ISBN:81-924140-51	I	Pg:950-956, 2012	

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Bora, A.	Role of media in the Development of the North-East with special reference to Assam	'Looking East Probing Deep', Edited by Manoj Kr Talukdar, Jagadish Dutta ISBN No 978-93-82495-06-02	Association of Past and Present Office-bearers of Cotton College Union Society (APPOCUS)	(P 3-12) 2013	
2	Perumal, A.	"New media and social movements: A study of cyber protests in India"	Changing Paradigms of Media Landscape in the Digital Age <i>Sharma, M. Jayati, et al.(eds)</i> ISBN No 9788180111075	Amity University Press, Delhi.	2011	
3	Perumal, A.	Perceptual Dichotomy of violence on women and Television Spectacle: a case in Assam	Media and Human Rights in India John Babu (ed.)	Dominant Publishers and Distributors, New Delhi	2015	
4	Chakraborty, J. & Borah ^c , A	Children and Media: Status and Scope for Participation'	<i>Child Rights in Northeast India</i> Alankar Kaushik & Abir Suchiang (Eds.): <i>Perspectives on Media</i> ISBN 978-93-83403-07-3	MRB Publishers, Guwahati	2014	
5	Chakraborty, J. & Borah ^c , A	C4D Training in India: Exploring the Missing Link between Academia and Industry	<i>Community Media for Development'</i> <i>Ankuran Dutta (Ed)</i>		2014	
6	Lakhendra B.	Radio Broadcasting in North East India: An Overview	Journalism & Media Industry of North East India, Edited by – Zakirul Alam ISBN		Pg :20-54 April 2014	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
			9789383252312			
7	Lakhendra, B.	Community Media an Effective Tool for Social Change in the Era of New Media	Issues of Journalistic Ethics and Freedom in the Contemporary Age of Digital Media <i>Edited by prof. Tapati Basu</i> ISBN:81-86263-02-4		Pg:698-705	
8	Borah, A & Chakraborty ^c , J.	Children and Media: Status and Scope for Participation'	<i>Child Rights in Northeast India</i> Alankar Kaushik & Abir Suchiang (Eds.): <i>Perspectives on Media</i> ISBN 978-93-83403-07-3	MRB Publishers, Guwahati	2014	
9	Borah, A & Chakraborty ^c , J.	C4D Training in India: Exploring the Missing Link between Academia and Industry	<i>Community Media for Development'</i> <i>Ankuran Dutta (Ed)</i>		2014	
10	Malakar, K.		The issues of journalistic Ethics and Freedom in the Contemporary Age of Digital media Ed. by Prof. Dr. Tapati Basu ISBN: 81-86263-004	Published by Journalism Congress, Calcutta University, Kolkata 700073	January 2012	
11	Malakar, K.		Management and the technology leading to social development by Dr. N Panchanatham, Dr. M. Syed Zafar, Dr C. Samudhra Rajakumar ISBN: 978-81-8371-388-7	Scitech Publication India pvt. ltd.	2011	

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1	Perumal, A.	European Radio and Gulf War	<i>TransKnowledge Publishers; New Delhi</i>	(ISBN:978-81-902931-0-8)	2013
2.	Perumal, A.	European Union and Media: Constructing	<i>TransKnowledge Publishers; New</i>	ISBN:978-81-902931-0-3	2014

		identity Beyond Borders	<i>Delhi</i>		
3	Chakraborty, J.	ICT for Development in Northeast India: Critique of Policy and Practice	<i>GC College Press, Silchar</i>	ISBN 978-81-923616-6-6	2014
4	Lakhendra, B.	Community Radio a Tool of Participatory Communication for Development	<i>Germany, Scholar's Press.</i>	ISBN -978-3-639-51775-0	August, 2013

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A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
2015							
1	Das, A.K. et.al.	Undermining Adivasi Interests	Economic and Political Weekly		Vol. 50, No. 1. pp. 25-26. 2015		
2	Goswami, N.	Costs, Security and Discipline: Gendering the debate on school choice in India.	Indian Journal of Gender and Society		Accepted Vol. 22 (2), 2015		
3	Pappu, R. and N. Goswami	Editorial Introduction to special issue on Contemporary issues on Womens' education in India	Indian Journal of Gender and Society		Accepted Vol. 22 (2),2015		
4	Choudhury, Nanadarani & K. Kikhi	Understanding Schizophrenic Behaviour from a Cultural Perspective	Man and Society: A Journal of North-East Studies		Accepted 2015		
2014							
1	Sharma, C.K. & I. Sarma	Issues of Conservation and Livelihood in a Forest Village of Assam	International Journal of Rural Management		Vol.10, No. 1, pp. 47-68, 2014 SAGE.		E
2	Kalam, M.A.	The Xenophobia of Patriots	Economic and Political Weekly		Vol XLIX No. 40, 10-2014		
3	Das, A.K.	Developing Inter-Sectoral Synergies: Re-defining State-NGO Relations in the Field of Education	Jamia Journal of Education		Vol-1, No-2, pp. 12-21. 2014.		
2013							
1	Das, S	Re-Examining Kinship Organizations and Gender Relations	Man and Society.		Vol 10, pp. 53-39, Summer 2013		
2	Deka, R.	Agrarian Classes in Assam: A Historical Overview	The North Eastern Research Bulletin		Vol. XXIII pp. 25-48, 2013		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
3	Kikhi, K.	Land and Tribal Identity in Contemporary Nagaland: Insights from Micro-Level Studies	Journal on Frontier Studies; [Issue on Land and Land Relations].		Vol. 1, pp. 35-50, 2013.		
4	Das, A.K. & P.K. Nath	Agrarian Distress and Land Alienation in India's Northeast	Journal on Frontier Studies		Vol-1, pp. 2013		
5	Punathil, S.	Kerala Muslims and shifting notions of religion in the public sphere.	South Asia Research		Vol 33 No. 1, pp. 1-20, 2013.		
6	Ray, S. et.al.	A Curious State of Affairs	Seminar		Vol 641, pp. 99-104. Dec Issue. 2013		
7	Shimreiwung, A.S.	Pettigrew's Children: Tracing the History of Print Culture in Tangkhul Language	Journal of Northeast Studies		Vol. 3(2), July-Dec. pp. 70-81. 2013		
2012							
1	Sharma C.K.	The Immigration Issue in Assam and Conflicts Around it	The Asian Ethnicity, <i>Routledge</i> .		Vol. 13, No. 3, pp. 287-309, 2012.		E
2	Kikhi, K.	Contemporary Political Discourse on Naga Identity and Nationalism: A Sociological Analysis.	Man and Society: A Journal of North-East Studies: ICSSR		Vol IX, Winter pp. 74-91, 2012.		
3	Kikhi, K.	An Evaluation of Self-employment Schemes in Nagaland.	Economic Challenger: Ajmer.		No. 14, Issue 55, pp. 58 – 64; Apl-Jun 2012.		
4	Das, A.K.	In(formal) Governance and Trust in the Context of Assam	Eastern Quarterly		Vol. 8, Nos. 3 & 4, pp. 101–109. 2012		
2011							
1	Deka R.	'Colonization and Peasant Economy of Assam'	Eco-Centric		Vol. 8, No. 1 (Special Issue),		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
					pp. 21-31, (2011-12).		

B. Seminar/ Conference /Workshop Publications (Peer reviewed): Nil**C. Seminar/ Conference /Workshop Publications (Others)**

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
1	Kikhi, K.	Naga Nationalism and its Challenges	Indian Association for Asia & Pacific Studies [Biennial Publication]		IAAPS publication. pp. 36-39. 2014		

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
2015 Accepted/Forthcoming						
1	Sharma, C.K.	Immigration, Indigeneity and Identity: The Bangladeshi Immigration Tangle in Assam	<i>Unheeded Hinterland: Identity and Sovereignty Debates in Northeast India.</i> Ed. Dilip Gogoi.	Routledge. Delhi.	forthcoming	
2	Kikhi, K.	Contextualising and Understanding the Complex Interface of Land, Identity and Development in Nagaland State	<i>Politics of Location with Special Reference to Northeast India.</i> Ed. Luke Rymbai	Regency. Delhi.	forthcoming	
3	Kikhi, K.	State Politics in India: Nagaland	<i>State Politics in India.</i> A.C. Sinha et.al (Eds.)	Primus Books. New Delhi:	forthcoming	
4	Kikhi, K.	Illegal Immigrants in NE India: What Could be the Implementable Policy Approach?	<i>Boundary Maintenance: Inclusion-Exclusion Dynamics in North East India.</i> C. Joshua Thomas & Prasenjit	SAGE. New Delhi	forthcoming	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
			Biswas (Eds.)			
5	Ray, S.	Studying Laboratories: A Sociological Inquiry of Research Practices in Genetics	<i>A New Sociology of India: Altered Realities, New Field Sites and Methodological Challenges.</i> Ritambhara Hebbar & Mahuya Bandyopadhyay (Eds.)	Orient Blackswan	forthcoming	
2014						
1	Sharma, C.K.	Contemporary Social milieu and Bezbaroa's Works	<i>Lakshminath Bezbaroa: The Architect of Modern Assamese Literature: Issues of Nationalism and Beyond.</i> M.M. Sarma & D.P Nath (Eds.)	Perfect Imagers. Guwahati	pp. 69-87 2014	
2	Kalam, M.A.	Indian Model of Managing Diaspora (Non-Resident Indians)	<i>Potentials and Prospects of Pakistani Diaspora</i>	Islamabad Policy Research Institute, Pakistan, and Hanns Seidel Foundation, Germany	pp. 160-173 2014	
3	Deka, R.	Ideals of Romanticism and its Reflection in the Works of Lakshminath Bezbaroa	<i>Lakshminath Bezbaroa: The Architect of Modern Assamese Literature: Issues of Nationalism and Beyond.</i> M.M. Sarma and D.P Nath (Eds.)	Perfect Imagers, Guwahati and Centre for Assamese Studies, TU.	pp. 164-187 2014	
4	Shimreiwung, A.S.	Print Culture and the rise of Identity Consciousness in Oral Society: Trajectories in Conception of Community Identity in Tangkhul Literature	<i>Encountering Modernity: Situating Tangkhul Nagas in Perspective,</i> Vashum et al (Eds.)	Chicken Neck. New Delhi.	pp. 154-169 2014	
5	Das, A.K.	Territory, Cultural Identity and	<i>Dissent, Discrimination and</i>	New Delhi:	pp. 161-179	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
		Capitalist Expansion: Tribal Resistance in Niyamgiri Hills, Odisha	<i>Dispossession: Tribal Movements in Contemporary India</i> , Kamal K. Misra and N. K. Das (Ed.)	Manohar	2014	
6	Goswami, N. & S. Das.	Community Rights and Women in Khasi Society	<i>Women Empowerment in Northeast India</i> , Sangeeta Borthakur Tamuli (Ed.)	Guwahati: Eastern Publishers	pp. 159-169 2014	
7	Das, S.	Panchayati Raj institutions and Inclusive growth in India: Myth or Reality	<i>Panchayati Raj System and Involvement of Women in Rural Development</i> , Ferdusi Begum(Ed.).	Guwahati: Ajanta Press	pp. 19-26 2014	
2013						
1	Sharma, C. K. & M. Baruah	Reading Robert Reid's A History of Frontier Areas Bordering on Assam	Introduction to History of the Frontier Areas Bordering on Assam: 1883-1941 by Robert Reid, 1942	Guwahati, Bhabani Books.	pp. v-xxxvii, 2013	
2	Sharma, C. K.	State Water Policy of Assam 2007: Conflict over Commercializing Water	<i>Water Conflicts in Northeast India: A Compendium Case Studie.</i> P.J. Das (Eds.).	Forum for Policy Dialogue on Water Conflicts in India.Pune.	pp. 149-156. 2013	
3	Sharma, C. K.	Krishak Mukti Sangram Samity and its Struggle: The New Peasant Assertion in Assam	<i>Social Forces and Politics in North East India.</i> A. Baruah & S. Sengupta (Eds.)	DVS Publishers, Guwahati/ Delhi.	pp. 130-176. 2013	
4	Kikhi, K.	Researches on the Role of Naga Women in Management of Resources	<i>Anthropology in North-East India: Empirical Perspectives</i> , K. Jose SVD, Gautam K. Bera & R.P. Athparia (Eds.)	New Delhi: Omsons Publications.	pp. 248-266. 2013	
5	Kikhi, K.	Employment-Promotion Projects [for Educated Youth] Operating in Nagaland State: A Critical	<i>The Dynamics of Development in North-East India.</i> Kedilizo Kikhi et.al. (Eds.)	Bookwell. New Delhi.	pp. 358-373. 2013	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
		Assessment				
6	Das A.K.	Questioning 'Education' and Women's Empowerment North-East India: Some Reflections with special reference to Nagaland	<i>The Dynamics of Development in North-East India.</i> Kedilezo Kikhi et.al. (Eds.)	Bookwell, New Delhi.	pp. 204-217. 2013	
2012						
1	Sharma, C.K.	<i>Globalization, Culture and Change</i>	<i>Modernization, Globalization and Social Transformation.</i> Ishwar Modi (Ed.)	Rawat Publishers, Jaipur.	pp.180-189 2012	
2	Sharma, C.K.	The State and the Ethnicisation of Space in Northeast India.	<i>Shifting Terrain: Conflict Dynamics in North East India.</i> N.G. Mahanta and D. Gogoi (Ed.)	DVS Publishers, Guwahati/Delhi.	pp. 193-225. 2012	
3	Sharma, C.K.	The Enduring Legacy of Jyotiprasad	<i>Culture, Ideology, Politics.</i> A. R. Dutta (Ed.)	DVS Publishers. Guwahati/Delhi.	pp. 148-159. 2012	
4	Deka, R.	Culture and Development	<i>Dimensions of Rural Development in NE India: A Critical Study.</i> Jayanta Baruah (Ed.)	Nagaon: Prantik.	pp. 9-14, 2012	
5	Deka, R.	Raij versus The Raj: The Phulaguri Mobilisation of 1861	<i>Changing Village India.</i> Brij Raj Chauhan & Atluri Satyanarayana (Eds.)	New Delhi: Rawat Publishers	pp. 338-348. 2012	
6	Kikhi, K.	Gender Issues – Kohima District	<i>GOI – UNDP Project, District Human Development Report (2009) KOHIMA.</i> Manoj Pant (Ed.)	Kohima: Department of Planning and Coordination GON.	pp. 115-134. 2012	
2011						
1	Kikhi, K.	A Study on Gender Issues of Phek District, Nagaland	<i>GOI – UNDP Project, District Human Development Report (2009) PHEK</i> Manoj Pant (Ed.)	Kohima: Department of Planning and Coordination	pp. 101-116. 2011	

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
				GON.		
2	Kikhi, K.	Gender Issues – Mon District	<i>GOI – UNDP Project, District Human Development Report (2009) MON</i> Manoj Pant (Ed.)	Kohima: Department of Planning and Coordination GON.	pp. 97-112. 2011	
3	Goswami N.	Multiple Identities and Educational Choices: Reflections on Students from Ansari Community in Banaras	<i>Frontiers of Embedded Muslim Communities in India.</i> Jairath, V. (Ed.)	Routledge: New Delhi.	pp 174-195. 2011	

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1	Shimreiwung, A.S. et.al. (Eds.)	<i>Encountering Modernity: Situating Tangkhul Nagas in Perspective</i>	New Delhi: Chicken Neck.	ISBN: 978-93-82337-20-1	2014
2	Kikhi, K. (Ed.)	<i>The Dynamics of Development in North-East India</i>	New Delhi: Bookwell	ISBN: 978-93-80574-43-1	2013
3	Sharma, C.K.	<i>Mapping the Trajectory of an Ethnic Identity Movement: The Case of the Misings of Assam</i>	Centre for Peace and Conflict Studies. Gauhati University Publication	-	2012
4	Kikhi, K. et.al.	<i>The Role of Women in Natural Resource Management: A Thematic Report - 2009; A GOI – UNDP Project</i>	Kohima: Department of Planning and Coordination, Government of Nagaland Publication.	-	2011

F. Book Reviews

Sl. No.	Author	Author & Title of the book reviewed	Journal and Publisher	Vol-issue Page Nos. Month-year	Indexed
1	Das, S.	Catherine Bernard & John J. Shea (Eds.) <i>Nurturing Families around the World: Building a Culture of Peace</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi	Vol 64, No. 1, pp.108-109. 2015	

2	Sharma, C.K.	K. Mishra, et al. <i>Unfolding Crisis in Assam's Tea Plantations: Employment and Occupational Mobility.</i>	<i>Social Change.</i> Centre for Social Development. SAGE, New Delhi	Vol. 44, No. 2, pp. 311-314. 2014	
3	Sharma, C.K.	Arupjyoti Saikia <i>A Century of Protests: Peasant Politics in Assam Since 1900.</i>	<i>Labour and Development.</i> V V.Giri National Labour Institute Routledge, New Delhi.	Vol. 21, No. 2, pp. 210-213. 2014	
4.	Goswami, N.	Sleeter et al (eds.) <i>School Education, Pluralism and Marginality</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi.	Vol- 63, No- 1. pp. 150-152. 1-4- 2014	
5	Das, A.K.	Ananta Kumar Giri (Ed.) <i>A New Morning with Chitta Ranjan: Adventures in Co-Realizations and World Transformations.</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi.	Vol- 63, No- 3. pp. 461-462 2014	
6	Das, A.K.	Yogesh Atal (Ed.) <i>Rethinking planning and development: The Indian context - Tribute to Tarlok Singh</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi.	Vol- 63, No- 1. pp 178-180. 1-4- 2014	
7	Das, A.K	S.R. Mehta <i>New Understanding of Indian society: encounters with sociology.</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi.	Vol- 61, No. 3. pp. 528-530. 2013.	
8	Sharma, C.K.	Ashraf Patel et. al. <i>The Ocean in a Drop: Inside-out Youth Leadership.</i>	<i>Social Change.</i> Centre for Social Development, Sage, New Delhi.	Vol- 43, No. 2, pp. 650-653. 2013.	E
9	S.S, Sumesh	Frédérique Apffel-Marglin, Sanjay Kumar and Arvind Mishra (Eds.) <i>Interrogating Development: Insights from the Margins</i>	<i>Sociological Bulletin.</i> Indian Sociological Society, New Delhi.	Vol.61, No. 3. Pp 519 – 521. 2013.	
10	Sharma, C.K.	Rehman Sobhan (Ed.) <i>Challenging the injustice of poverty: Agendas for inclusive development in South Asia.</i>	<i>Sociological Bulletin</i> , Indian Sociological Society, New Delhi.	Vol- 61, No. 2. pp. 371-273. 2012	
11	Ray, S.	Ananda Mitra <i>Alien Technology: Coping with Modern Mysteries</i>	<i>Contributions to Indian Sociology</i>	Vol 46 (1&2). pp. 257-258. 2012	

Department: Education

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed /ISSN	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Sharma, Anjali	Effect of Inquiry Training Teaching Model on Academic Achievement and scientific Interest.	National Journal of Education Published by <i>Faculty of Education Banaras Hindu University Varanasi</i>	P	Volume XII NO. 2 Page No. 1-12 July 2014	-	First
2	Sharma, H.	Opportunities of ICT Implementation in Teacher Education	ACSST Research Journal: <i>Quarterly Journal of Siwan publishers, Siwan Bihaar</i>	0972-7779	Volume xiii, No. I, pp 22-24. Jan, 2015	-	-
3	Sharma, H.	Kishoro ki parivar se apeksha evam unke krodh ka adhyan	Proudth Shiksha: <i>Indian Adult Education Assciation, New Delhi</i>	2231-2439	Year 58 No. 4, pp 16-22, Oct-Dec 2014	-	-
4	Sharma, H.	Reaction of B.Ed. students of Madhya Pradesh towards developed Video Films on Educational Psychology	Horizone: <i>Noble College of Education, Sagar, Madhya Pradesh</i>	2231-2110	Vol.-4, No.-2, July 2014	-	-
5	Pal, H.R. & Sharma, H.	Video Films on Educational Psychology for B.Ed. students as part of new Teaching Learning Pedagogy-A critical study	Shodhaytan: <i>Research journal of Social Science and Humanities, AISECT University, Bhopal</i>	2349-4190	Vol.-I/ issue-1, June 2014, pp 14-18, AISECT University,	-	-
6	Sharma, H.	Effect of Gender, Intelligence and Medium of Instruction on Achievement of B.Ed. students of Madhya Pradesh	MERI Journal of Education: <i>Management Education and Research Institute, New Delhi</i>	0974-2093	Vol IX, No. 1, April, 2014, pp 30-37	-	-
7	Chakrawarty, S. & Choudhuri, R. ^C	E-gaming in Class VIII Students: A pilot Study	National Journal of Education, Faculty of Education, Banaras Hindu University, Varanasi	P	Volume XII No. 2, 13-21, 7-2014		
8	Pallai, P	A relative study between face to face Vs. Distance Mode of Program with respect to interactive session	Research Tracks An international Peer Reviewed	P	Volume II, Issue I, ISSN 2347-4637, Jan2015, pg no- 90-92		-

Sl. No.	Authors	Title	Journal and Publisher	Indexed /ISSN	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
9	Pallai,P	Constructivist practices in social sciences Classroom Room: An Analysis	Prangnya journal of Social Sciences	P	Volume V, Issue II ISSN No- 2229-4864 Dec 2014, Page Nos.- 93-100		-
10	Pallai,P	Placement of Questions during presentations in capacity Building Program of Teacher Educators through Videoconferencing	Journal of Advanced Studies in Education and Management	C	Volume 1 Number 1 ISSN 2350-0492, Summer 2014, Page No-1-6	-	-
11	Chakrawarty, S. & Choudhuri ^C , R	E-gaming in Class VIII Students: A pilot Study	National Journal of Education, Faculty of Education, Banaras Hindu University, Varanasi	P	Volume XII No. 2, 13-21, 7-2014		

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local	Page Nos. Month-Yr	Citation index
1.	Sashapra Chakrawarty	Workshop of Research Methodology in Social Sciences	Tezpur University, Assam		24 th Nov. to 3 rd Dec, 2014	

D. Chapters in Books

Sl No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index/ISBN
1.	Sharma ^C ,H.	Development of Entrepreneurship by AISECT, in terms of Economic Development of franchisee Centre	Entrepreneurship and rural development: The continued quest for economic growth	<i>AISECT Publications, Bhopal</i>	2014	ISBN : 978-93-81358-08-05
2.	Pallai, P	Puppet in Education: A Pedagogical Initiative under Distance Learning	Pedagogical Innovations in School Educations, Prof. N.Pradhan	Shiksha Vikash Samiti, Odisha	Pg no. 105-113 NOV,2014	ISBN-978-81-926149-0-9

3.	Pallai, P	Significance of Holistic Approach in Present Education	Holistic Education, Editors- Dr. Dhiren Mohapatro, Dr. Hemant Khandai & Ms. Preeti Srivstava	Alfa Publications, New Delhi	Jan, 2014, Pg N0-318-330,	ISBN NO-978-93-83292-43-1,
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E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1.	Pal,R& Pallai ^c P	EDUSAT A Dedicated Satellite for Education	GLOBAL BOOKs ORGANIZATIONS, NEW DELHI	978-93-80570-72-3	Dec, 2014

Department: Social Work

A. Journal Publications (Peer reviewed)

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1	Kalam, M. A.	The Xenophobia of Patriots	<i>Economic and Political Weekly</i>	P	Vol XLIX No. 40, 71, 10, 2014		
2	Dasgupta R, Ahuja S & Yumnam V	Can Nutrition Rehabilitation Centers Address Severe Malnutrition in India?	<i>Indian Pediatrics</i>	P	Vol. 51, No.2 pp. 95-99 02, 2014	1.014	PubMed, Current Contents/Clinical Medicine, Science Citation Index Expanded, Medline, Indian Science Abstracts, getCITED, POPLINE, CANCERLIT, TOXLINE, Psych Line and DERMLINE
3	Dasgupta R, Sinha D & Yumnam V	Programmatic Response to Malnutrition in India: Room for More Than One Elephant?	<i>Indian Pediatrics.</i>	P	Vol. 51, No.11:863-8 11, 2014	1.014	-do-
(2012-13)							
1.	Chandran. S, Saha. A & Pandian, D.	Schizophrenia and Social Skill Training	<i>Samaj Kendraya Hejjegalu (Social Work Foot Print)</i>	N	Vol. 3, No.1 41-45 2012		
(2011-12)							
1.	Saha. A & Pandian.D.,	“Substance Abuse Among Street Children: Family Risk and Protective Factors”	<i>National Journal of Professional Social Work</i> Indian Association for Professional Social work	P	Vol.-12, and No. 1-2. 17-30 12,2011		
2.	Saha. A &	“Substance Abuse	<i>Indian Journal of Social</i>	P	Vol. 28, No. 1-2,		

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
	Pandian.D.,	Among Street Children: Community Risk and Protective Factors”	<i>Psychiatry</i> Department of Psychiatric Social Work, NIMHANS		53-60 2012		

B. Seminar/ Conference /Workshop Publications (Peer reviewed): Nil**C. Seminar/ Conference /Workshop Publications (Others): Nil****D. Chapters in Books**

Sl.No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1	Kalam, M. A	Indian Model of Managing Diaspora (Non-Resident Indians)”	<i>Potentials and Prospects of Pakistani Diaspora</i> , Islamabad Ed. By Mushir Anwar	Policy Research Institute, Pakistan, and Hanns Seidel Foundation, Germany,	160-173 2014	
2	Saha. A., & Pandian, D.	Substance Abuse among Street Children: Risk and Protective Factors	<i>Training module on Specialized Care for Children Affected by drug Abuse</i> D. Muralidhar, R. D. Pandian, Md Ameer Hamza, N. Janardhana, A. Thirumoorthy	Department of Psychiatric Social Work, NIMHANS, Bengaluru	15-27 2011	
3	Deuri. S & Saha A	Adolescent Mental Health and Suicide	<i>Child and Adolescent’s Responsive Education; Manual for Parents, Teachers and Caregivers</i> Editors Maythali Hazarika & B. M. Suresh	Pathan Hazirika Charitable Trust	90-102 2014	
4	Yumnam, V. & Dasgupta, R.	Conflict as a Social Determinant of Health	<i>The Art of the Possible : Understanding and Acting on the Social Determinants of Health in India</i> Editors Nambiar, D., Muralidharan, A. & Ganesan, p.	Orient Blackswan	2015 (forthcoming)	
5	Dasgupta, R.	Social and Behavioural	<i>Textbook of Preventive and Social</i>	CBS Publishers and	2015	

	& Yumnam, V.	Sciences to Health	<i>medicine</i> Editors: Gupta P.	Distributors	(forthcoming)	
6	Kalarivayil, R. & Desai, P. N.	Risk Frames and Representation in Assisted Reproductive Technologies Bill (2008)	<i>India Science and Technology, Vol.II</i> Editors: Sanjib Pohit & Kavita Mehra	Foundation Books, Cambridge University Press	2013 245-248	

E. Books and Monographs: Nil

*Academic Centres and Cells***Name of the Centre:** Centre for Assamese Studies**A. Journal Publications**

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol -issue Page Nos. Month-year	Impact Factor	Citation index
(2013-14)							
1.	Barua, S.	Language and the vicarious emotion: Indira Goswami's delineation of Bhupen Hazarika	Literary Insight	-	Vol 4, 2013, 131-137; ISSN 0975-6248	-	-
(2012-13)							
1.	Dutta, J & Nath, D. P.	Africa and India in the Novels of Dai and Emecheta	e-journal titled Contemporary Literature and Culture	-	Purdue University, Vol 14, No. 2, 2012. ISSN 1481-4374	-	-
2.	Dutta, J & Nath, D. P.	Women and Culture in India: Countering the Force of Nativity	Journal of South Asian Cultural Studies	-	4(1), 2012. 12-18. ISSN-1749-6764	-	-
(2011-12)							
1.	Dutta, J.	Gender Roles in Literature with special reference to Bhabendranath Saikia's Antareep	Muse India	-	(No. 36, Mar-Apr 2011, ISSN: 0975-1815 (e-journal)	-	-
2.	Dutta, J.	Writer as Translator: Translation Or/And Re-Creation (Reading Indira Goswami's The Moth Eaten Howdah of The Tusker	Literary Insight,	-	ISSN 0976-3686, Volume-2, Issue-2, 7-2011	-	-
3	Dutta, J.	Reading Yeshe Dorjee Thonchi's Sonam : A New Historicist Perspective	Journal of Literature, Culture & Media Studies,	-	Vol. III, No 5 & 6, January-December 2011, ISSN-0974-7192	-	-
4	Dutta, J.	Yeshe Dorjee Thongchir Mouna Ounth Mukhar Hridayat Janajatiya Jiwon Chitran Aru Lekhokor Poribortito Sthiti	Assamese periodical Swarnalipi	-	Vol. 1 Issue 5, June 2011), ISSN 2231-0517	-	-
5	Dutta, J.	Janajatiya Upanyasar Paridir Uddhat Yeshe Dorjee Thongchir Sava Kota Manuh: Ek Natun Mulyayan	National journal Tribal Studies,	-	Vol. 1, No. 1, 2011, ISSN: 2231-0908	-	-

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol -issue Page Nos. Month-year	Impact Factor	Citation index
6	Dutta, J.	A Study of Folk Beliefs in Lummer Dai's Monaru Mon: A Clash of Tradition and Modernity	Janakristi, the Annual Research Journal of the Folklore Society of Assam	-	Vol 2, No 5-6, 2011-12, ISSN-0974-6188	-	-

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr.	Citation index
1	Barua, S.	Tell-tale stories': Cross-cultural perspectives on the role of the ancillary narrative'	34 th All India Conference of Linguists held at NEHU, Shillong	-	Pp 1-3 11, 2012	-

C. Seminar/ Conference /Workshop Publications (Others)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr.	Citation index
1	Barua, S.	Marginalizing the marginalized: The feminine narrative voice and/ as exclusionist language	Women's Narratives from North East India: Writing Lives from the Margins (Accepted)	N	-	-

D. Chapters in Books

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1.	Dutta, J.	Bezbaroa as a Dramatist: A Journey from Farce to Serious Play	Lakshminath Bezbaroa: The Architect of Modern Assamese Literature – Issues of Nationalism and Beyond; (ed by Sarma, M. M and Debarshi P. Nath)	Perfect Imagers, Guwahati	pp 102-120 4, 2014	-

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
2.	Dutta, J.	Women in Men's Writing: The Ethnographic Fiction of Lummer Dai and Yeshe Dorjee Thongchi	Women's Narrative from North East India: Writing Lives from the Margins (Accepted)	-	-	-
3.	Dutta, J.	Mahasweta Devir Galpar Keitaman Naricharitrar eti Adhyayan'	Srijan, Tezpur University Magazine	Tezpur University	2013	-
4.	Dutta, J.	Translation of Nobel Prize winning writer Alice Munro's short story 'The Office'	Janambhumi (Ed. Dulal Sarmah)	Janambhumi Press	Special Rongali Bihu Issue -2014	.
5.	Dutta, J.	Birendra Kumar Bhattacharyar Yaruingam: Manavatabad aru Manavmuktir Sadhana (Yaruingam: A Contemplation of Humanism and Liberty)	Kotha, Guwahati, an Assamese periodical (ed by Sonit Bijoy Das)	Kotha Publishers, Guwahati	9-10, 2013	-
6.	Barua, S.	Bezbaroa's Life Writings: Hermeneutics of the experiencing self and encountered other	Lakshminath Bezbaroa: The Architect of Modern Assamese Literature – Issues of Nationalism and Beyond (Ed by Sarma, M. M and Debarshi p. Nath)	Perfect Imagers	pp 188-215 4, 2014	-
5.	Barua, S.	Translation of seminal literary pieces by Jnanpith awardee Indira Goswami and by Bhupen Hazarika	Ek Kingbodonti/ Dr. Bhupen Hazarika: A legend (Ed by Basanta Deka)	Orchid Publication, Guwahati	2011	-

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1.	Barua, S.	Miri Jiyori: A translation of Rajanikanta Bordoloi's Assamese novel into English	Publication Board, Assam	978-93-84733-18-6	2014
2	Barua, S.	Rainbow Musings: a collection of poems in English	Orchid Publication, Assam	978-93-81419-07-6	2011

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
3.	Dutta, J.	Ethnicity in the Fiction of Lummer Dai and Yeshe Dorjee Thongchi: A New Historicist Study	Adhyayan Publishers and Distributors, New Delhi	978-81-8435-322-8	1-2012
4.	Dutta, J.	Ethnic Worlds in Select Indian Fiction	SAGE Publication India, New Delhi	978-81-321-1846-6	11-2014

Name of the Centre: Centre for Disaster Management

A. Journal Publications

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2014-15)							
1.	Deb Nath, R & Nath, D.	Educational Vulnerability and Risk Factors of Tea Garden Workers with Special Reference to Dewan Tea Garden Village, Cachar, Assam, India	International Research Journal of Social Sciences	C	Vol. 3 (9), pp 14 – 21, 2014	-	-
2.	Deb Nath, R & Nath, D.	Women's Movement for Human Rights in India and Bangladesh: A Sociological Analysis	Intellection: A bi-annual interdisciplinary research journal	P	Vol. III, No. I, PP 40 – 52, 2015	-	-

Name of the Centre: Centre for Inclusive Development

A. Journal Publications

Sl. No.	Author(s)	Title	Journal and Publisher	Indexed	Vol-issue, Page Nos., Month-Year	Impact Factor	Citation index
(2014-15)							
1.	Doley, R K.	“Soft Skills : The Other Face of Education”	Asinan Onam, A Journal of Research and Reviews on Mishing History, Ethnology and Language, <i>Mishing Society of Mumbai, Mumbai-92</i>	P: ISSN 2277-9906	19 th Year, 14 th Issue pp. 9 – 12. Mid-Year, 2014	-	-
(2013-14)							
1.	Doley, R K.	“Can Acculturation Lead to Language Death? A Case Study”.	IOSR Journal of Humanities and Social Science, <i>IOSR (a unit of CSIR) Journals, International Organization of Scientific Research, New Delhi, India.</i>	C,P : ISSN 2279-0837, 2279-0845	Vol. 9, Issue 3, pp. 33-36 3-4,2013	-	-
2.	Doley, R K.	“Code-switching at the Market Place : The Trader’s Tool”	Asian Journal of Social Sciences & Humanities, <i>Leena & Luna International, Oyama, Japan.</i>	C,P : ISSN 2186-8492, ISSN 2186-8484	Vol.2, No.2 pp. 483-489 5-2013	-	-
3.	Doley, R K.	“Languages in India and their Mixed Use : A Sociolinguistic Study”.	Global Research Analysis International, <i>The Global Journals</i> 8-A, BANAS, Paldi, Ahmedabad – 380006, Gujarat (INDIA).	B,C,P ISSN 2277-8160	Vol. 2, Issue 6 pp. 216-219 6-2013	3.1218	-
4.	Doley, R K.	“N.N. Teye : From Struggle to Achievement”.	Asinan Onam, A Journal of Research and Reviews on Mishing History, Ethnology and Language, <i>Mishing Society of Mumbai, Mumbai-92</i>	P : ISSN 2277-9906	18 th Year, 12th Issue pp. 693 – 77	-	-
5.	Doley, R K.	“Education and the Missing Women of Assam”.	Man and Society, A Journal of North-East Studies, <i>Indian Council of Social Science Research, North-East Regional</i>	P : ISSN 2229-4058,	Vol. X, pp. 60-66 Summer 2013	-	-

Sl. No.	Author(s)	Title	Journal and Publisher	Indexed	Vol-issue, Page Nos., Month-Year	Impact Factor	Citation index
			<i>Centre, Shillong</i>				
(2012-13)							
1.	Doley, R K.	“Acculturation and the Misings of the Brahmaputra Valley”	Global Research Analysis, <i>The Global Journals</i> , 8-A- BANAS, Paldi, Ahmedabad – 380006, Gujarat (INDIA).	B,C,P : ISSN 2277-8160	Vol. 2, Issue 3 pp. 166-68 3-2013.	-	-

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and Publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr	Citation index
1.	Doley, R K.	“Interlingual Code-Switching as Verbal Tools : A Case Study of the Misings of the Brahmaputra Valley”	The Asian Conference on Language Learning: Conference Proceedings 2012, <i>The International Academic Forum</i> , Japan – 460 008. ISSN 2186-4691	I	pp. 407-418 4, 2012	-

C. Seminar/ Conference /Workshop Publications (Others): Nil**D. Chapters in Books**

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month-Year	Citation index
1.	Gogoi P B.	Religion: A Study among the Misings of Assam	Religion And Ethnic Reconstruction among the tribes of Northeast India, Edited by : Dr. C.J. Sonowal	K. K. Agencies, New Delhi-15	Pg.145	-
2.	Doley, R K.	Egoraki ‘Premikor’ Prati Thoka Kisu Anubhav	Taburam Taid : Eti Alukpat (Assamese) Eds. : J. Taid, Dr. D. Mili	Ditimoni Taid, Guwahati	pp. 59 – 62 12 – 2012	-

E. Books and Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-Year
1.	Doley, R K.	“One People, Two Tongues : Bilingual The Misings and Their Bilingual Trait”.	Scholar’s Press, Heinrich-Bocking-Str. 6-8, 66121 Saarbrucken, Germany.	978-3-639-71602-3	10- 2014

Name of the Centre / Cell: Chandrababha Saikiani Centre for Women's Studies

A. Journal Publications

Sl. No.	Authors	Title	Journal and Publisher	Indexed	Vol-issue Page Nos. Month-year	Impact Factor	Citation index
(2013-14)							
1.	Goswami, M.	Kherai of the Bodos :Imagination of their world	International Journal of physical and Social sciences	P	Vol. 3 Issue. 1 87-100 1-2013.	N/A	N/A
(2012-13)							
1.	Mahanta, M.	Double Stigmatization: Fighting with Mental Illness and Womanhood	International Journal of Humanities and Social Sciences	P	Vol. 2, No-2 129-134 12-2012	N/A	N/A
2.	Mahanta, M.	Mental Health and Contemporary Society of Assam: A Study from Gender Perspectives	Contemporary Discourse	P	Vol.3, No.1 25-29 1-2012	N/A	N/A
3.	Mahanta, M.	Myth Stereotype and Illness: It's Effect on Human Life	International Review of Social Sciences and Humanities	P	Vol. 2, No.2 230-235 7-2012	N/A	N/A
4.	Goswami, M.	Intangible dimension of the Kherai Ritual Site	Indian Journal of Applied Research	P	Vol. 4, No.3, 80-83 12- 2012	N/A	N/A
5.	Goswami, M.	The Bodos :Culture and Society	Journal of Social Sciences	P	Vol,1 No.1 88-103 10- 2012	N/A	N/A
6.	Goswami, G.	Constructions of sacred space: the spatial dimensions of the Kherai Altar	Journal of Research , Extension and Development	P	Vol.2 No.3, 140-146 11- 2012	N/A	N/A

B. Seminar/ Conference /Workshop Publications (Peer reviewed)

Sl. No.	Authors	Article Title	Proceedings title and publishers	National/ International/ Regional/ Local (N, I, R or L)	Page Nos. Month-Yr.	Citation index
1.	Mahanta, M.	Women and Mental Health: A Case Study of Sonitpur District'	Women and Mental Health/ NIMHANS, Bangalore and Flinders University, Australia	I	48-56 10-2010	N/A
2.	Goswami, M.	Contesting Women's Studies	Gender in different Cultural and National Contexts:/Nagaon College	N	(Upcoming) 1, 2015	N/A
3.	Goswami, M.	Status and Challenges of North East Women: Quest for Humanities	Gender in Changing World/ Women's World Congress	I	Upcoming, 2015	N/A
4.	Mahanta, M.	Impact of Political Violence in Women's Mental Health	Gender in Changing World/ Women's World Congress	I	Upcoming, 2015	N/A

C. Chapters in Book

Sl. No.	Authors	Chapter Title	Book title and Editors	Publisher	Page Nos. Month/Year	Citation index
1.	Mahanta, M.	"Axomor Sangbad Jagatat Saptahik Dhansirir Pramulyabudhar Samu Alokpaat"	Samajpran Apurba Kumar Baruar Jiban Ayan'/ Prafulla Pran Mahanta	Dhansiri Nyas and Golaghat Press Club	23-26 1-2013	N/A
2.	Mahanta, M.	Chandraprabha Saikiani: Personality and Progress	Agnikanya Chandraprabha Saikiani: A Collection of Articles	Tezpur University Publication	48-56 2014	N/A
3.	Goswami, G.	Performance Studies	Cultural Studies: Perspectives from North East India	Tezpur University Publication	105-115 2010	N/A

4.	Mahanta, M.	Globalization , Women and Mental Health: A Case Study of Sonitpur District of Assam'	Women's Narratives from North East India: Lives from the Margin	Sage Publication	2015 (upcoming)	N/A
5.	Mahanta, M.	Traditional Dress and Ornaments of Karbi People and Adaptation of Modernity'	Samaj Sanskarak Jaisaing Doloir Jibon Darsan Aru Karbi Anglong	Jaisaing Doloi fufu publication	201-203 2011	N/A

D. Monographs

Sl. No.	Authors	Title	Publisher	ISBN	Month-year
1.	Goswami, M.	Chandrababha Saikiani: A Tribute	Women's Studies Centre, Tezpur University	N/A	3-2012
2.	Goswami, M.	Chandrababha Saikiani: Life and Struggle	Women's Studies Centre, Tezpur University	N/A	3-2012
3	Goswami, M.	Varta	Women's Studies Centre, Tezpur University	N/A	3-2012
4.	Goswami, M.	Varta	Women's Studies Centre, Tezpur University	N/A	3-2012

Patents filed and granted (all)

Applied Patents			
Sl. No.	Application No.	Title of Invention	Inventor(s)
1	211/KOL/2014	A Synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof.	Niranjan Karak, Saswat Baruah and P. Chattapadhyaya
2	1296/KOL/2014	Nanocatalyst for bio oil production	Pritam Deb and Kasmiri Deka
3	1295/KOL/2014	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar
4	786/KOL/2013	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof.	Niranjan Karak and Bibekananda De
5	1742/DEL/2013	Multifunctional nanoparticles, methods of synthesis thereof, and methods of biomedical uses thereof.	Pritam Deb and Madhulekha Gogoi
6	637/KOL/2011	Eco friendly dry chilli spray from Bhot Jalakia of Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and D Kalita
7	430/DEL/2011	A process for preparing carbon nanotubes for non-biodegradable polypropylene and polytetraheptene	Ravi Bihari Srivastava, Sanjoy Kumar Samdarshi and Samrat Paul.
8	401/KOL/2011	Insulin mimetic active comprising oxodiperoxo vanadates and a pharmaceutical composition obtained thereof.	Mihir Kanti Choudhury, Sahid Hussain, Saitanya Bharadwaj, Upasana Bora Sinha, Dhruvjayoti Talukdar, Abul Usmai, Subeer Suhash Majumdar, Susmita Bhattacharya, Suman Dasgupta, Rakesh Kundu, Samir Bhattacharya and Shelley Bhattacharya.
9	20/KOL/2011	Digital Occupancy Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
10	168/KOL/2011	A highly efficient defluoridation method by in-situ generation of an efficient precipitant and strong adsorbents of fluoride in crushed limestone fixed – bed column and plug flow reactors.	Robin K. Dutta and Suresh Kr. Nath
11	988/KOL/2010	Enhanced fixed-bed limestone defluoridation of groundwater using a solid acid to get potable water.	Robin K. Dutta and Suresh Kr. Nath

12	675/KOL/2010	A single step process for making polyaniline nanofiber reinforced polymer nanocomposite based transparent, antistatic and UV –protective coatings by in-situ rapid mixing polymesization.	Ashok Kumar and Somik Banerjee
13	296/DEI/2010	Amla lemon based ready to serve drinks (enriched with polyphenols)	Poonam Mishra
14	1460/KOL/2010	Vehicle on board alignment detection and correction system (For Mac Pherson and Double Wishbone type)	Santanu Sarma, Barnalee Sarma, Riku Chutia and Partha Pratim Dutta
15	1001/DEI/2010	Development of Amla Chips	Poonam Mishra, Vandana Mishra and G.K.Rai
16	704/KOL/2010	Arsenic removal from groundwater by oxidation – coagulation at controlled pH for domestic and community applications.	Robin K. Dutta, Shreemoyee Bordoloi and Suresh Kr. Nath
17	508/KOL/2009	Arsenic removal from water using NaHCO_3 or KHCO_3 or plant ash or their mixtures	Robin Kumar Dutta, Shreemoyee Bordoloi and Suresh Kumar Nath
18	1294/KOL/2009	Development of thiophene linked azomethine based polymer for photovoltaic application	Binod Pokhrel and Swapon Kumar Dolui
19	1293/KOL/2009	Graphite filled polyaniline and its suitability in electrode	Surajit Konwer and Swapon Kumar Dolui
20	1147/KOL/2009	Efficient method for emulsion polymerization of styrene monomer in super critical carbondioxide using (trifluoromethyle) undecafluorocyclohexane stabilizer.	Isha R Kamrupi and Swapon Kr. Dolui
21	1146/KOL/2009	Polythiophene based light emitting diode with improved luminescence characteristics and polythiophene based chemical sensor for detecting heavy metal ions, acids.	Jatindranath Maiti and Swapon Kr. Dolui.
22	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu
23	2132/KOL/2008	Iron removal from water using HCO_3^- or CO_3^{2-} salts of K^+ or Na^+ retaining the pH within acceptable limit for drinking	Robin Kumar Dutta, Suresh Kumar Nath and Shreemoyee Bordoloi
24	1215/KOL/2008	Enhanced limestone deflouridation of fluoride contaminated water in the presence of citric acid and	Robin Kumar Dutta and Suresh Kumar Nath

		acetic acid	
25	1909/CHE/2006	Catalysts and process for oxidation and deep desulphurization of transportation fuels	Mihir Kanti Chaudhuri, S. Hussain and V.Srihari Tadimalla

Granted Patents (all, i)

Foreign Patents			
Sl.No	Patent No./Publication No.	Title of Invention	Inventor (s)
^a 1	US6852859 B2 priority date is 16 Dec 2002, Date of publication : Feb 8, 2005	Economic and environmentally clean process for the preparation of the pyridinium salt of fluorotrioxo-chromate (VI), PFC, having the chemical formula C ₅ H ₅ NH(CrO ₃ F), by direct reaction of stoichiometric amounts of hydrofluoric acid, chromium	U.Bora, Mihir Kanti Chaudhuri, S.K.Dejury, J.Nath.B.M.Choudary and M Lakshmi Kantam.
^a 2	US7005548 B2 Priority date 16-Dec-2002, Date of publication : Feb 28, 2006	Process for preparing quaternary ammonium tribromides.	Mihir Kanti Chaudhuri , U.Bora, S. K.Dejury, D.Dey, S.S.Dhar, W.Kharmawphlang, B.M.Choudary and M.Lakshmi Kantam
^a 3	US7282573 B2 Priority date 23 Dec 2002, Date of publication : Oct 16, 2007	Process for making metal acetylacetonates	Mihir Kanti Chaudhuri, S.K.Dejury, U.Bora, S.S.Dhar B.M.Choudary and M.Lakshmi Kantam
4	US7575758 B2, Priority date 16 Sep 2005, Date of publication : Aug 18, 2009	Acaricidal compositions and methods of use thereof	Glenn F. King, Ashis K. Mukherjee. Stephen K. Wikel, Brianna Sollod McFarland
*5	EP2173058 B1, priority date: Oct 1, 2008, Date of publication: Feb 29, 2012	Context free and context sensitive XML digital signatures for SOAP messages	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
*6	US8245045 B2, priority date: Oct 1, 2008, Date of Publication: Aug 14, 2012	Computer-implemented methods, systems and computer program products for generating and verifying signatures	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
*7	US8495744 B2, priority date: Mar 25, 2009, Date of publication : Jul 23, 2013	Evaluation of risk of conflict for security solutions integration	Paul El Khoury, Azzedine Benameur, Smriti Kumar Sinha,

Indian Patents			
Sl.No	Patent No./Publication No.	Title of Invention	Inventor (s)
1	203816, date of filing is 30-Aug-2000, Date of Grant: 09-Mar-2007	An indicator system	Manabendra Bhuyan.
2	205278, date of filing : 19-Jan-2000, Date of Grant: 30-Mar-2007	A process for the preparation of the isolable and storage stable tetrabutylammonium tribromide(TBATB) from tetrabutylammonium bromide(TBATB)	Bora Upasana, Mihir Kanti Chaudhuri, AbuTaleb Khan, Bhisma Kumar Patel
3	216876, date of filing is 23-Jan-2001, Date of Grant: 19-Mar-2008	Microwave tea dryer	Manabendra Bhuyan & Amarjyoti Choudhury
4	231094, date of filing : 31-Mar-2003, Date of Grant : 2-Mar-2009	A process for preparing quaternary ammonium tribromides (QATB).	Mihir Kanti Chaudhuri, Upasana Bora, Sanjay Kumar Dehury, Deppa Dey, Siddhartha Sankar Dhar, Wancydora Kharmawphlang, Boyapati Manoranjan Choudary, Mannepalli Lakshmi
5	232740, date of filing : 21-Mar-2003, Date of Grant : 20-Mar-2009	A process for preparing pyridinium fluorochromate (VI)	Mihir Kanti Chaudhuri, Sanjay Kumar Dehury, Upasana Bora, Mannepalli Lakshmi Kantam, Boyapati Manoranjan Choudary, Jayashree Nath.
*6	268130, date of filing : 19 November, 2010, Date of Grant: 18-August-2015	A process for depositing hard, hydrophobic, mechanically, thermally and chemically stable polymer films on bell metal.	Joyanti Chutia, Dinkar Sopan Patil, Arup Jyoti Choudhury, Arup Ratan Pal

*During 2011-15, ^aOn earlier institutional affiliation

Copyrights Granted and Applied

Granted Copyrights			
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1	SW-8075/2014	Kinlac-Programme for kinetic analysis of solid state process	Pritam deb & Madhulekha Gogoi
2	SW-8076/2014	MaxQ-Programme for microstructural study of nano materials for X-ray diffraction pattern analysis	Pritam deb & Madhulekha Gogoi

Applied Copyrights			
Sl.No.	Dairy No./ Copyright Registration No.	Title	Name of the Author(s)
1	53475/2014-CO/SW	Development of an internet web application for the study of surface Plasmon resonance spectroscopy	Ratan Baruah, Gazi. A. Ahmed, Amarjyoti Choudhury, Ankur Gogoi, Pritom Rajkhowa



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