

Date 20.04.2016

## Bio Data



1. **Name** (in full) : DR. MUNINDRA BORAH
2. **Date of Birth** /Place of birth : 01-09-1952 : Jorhat, Assam
3. **Academic Qualifications:**

Ph. D. Title of Dissertation: "*A study of Certain Discrete Probability Distributions*" Gauhati University, Guwahati - 781014., 1984.  
Supervision of Dr. J. Medhi, Professor & Head, Department of Statistics, Gauhati University, Guwahati- 781014, ASSAM.  
M. Sc.- Ist Class, Gauhati University, Guwahati- 781014, Assam, India, 1975.  
B. Sc.- Ist Class ,Statistics , Mathematics, and Physics, Dibrugarh University, Dibrugarh, Assam, 1973.

4. **Present Position and Address:-**

Professor  
Department of Mathematical Sciences,  
Tezpur University, Napaam 784028 , Assam.  
Phone No. 09435181991 (mobile), -236571(R)  
Email : mborah@tezu.ernet.in

5. **Positions held earlier:-**

2001 - till date Professor, Department of Mathematical Sciences, Tezpur University  
1995 - 2001 Reader, Department of Mathematical Sciences, Tezpur University  
1993 - 1994 : Scientist- E1, Regional Research Laboratory, Jorhat  
1988 - 1993 : Scientist- C, Regional Research Laboratory, Jorhat  
1987 - 1988 : Visiting faculty, Assistant Professor, Department of  
(visit abroad) Mathematical Sciences, University of Missouri Columbia, Columbia, U.S.A.  
1986 - 1987 : Visiting faculty, (Post- Doctoral Fellow), Mathematical Sciences  
(visit abroad) Division, North Dakota State University, Fargo, U.S.A.  
1982 -1986 : Scientist- B, Regional Research Laboratory, Jorhat.  
1979 - 1982 : Lecturer, Faculty member, Department of Mathematics, Govt. Science College, Kohima, Nagaland.  
1976 - 1979 : Research Fellow (University Grants Commission) at Gauhati University, Guwahati- 781014, Assam



11	Mrs Ajanta Nath MSP-`07002	<i>Development Disparities Among the Districts of Assam.</i>	Awarded Ph. D. Degree 2012
12	Mrs Chumchum Doloi MSP-`07102	<i>Some Cascade and Time Dependent Models in Reliability</i>	Awarded Ph. D. Degree 2012
13	Ms Jonali Gogoi MSP-`07101	<i>Studies of Some Repairable Systems in the Interference Theory of Reliability</i>	Awarded Ph. D. Degree 2012
14	Ms Porinita Dutta MSP-`11001	<i>A study on Certain Mixture of Discrete Probability Distributions and its Applications.</i>	Awarded Ph. D. Degree 2016
15	Dimpal Jyoti Mahanta MSP-12001		Registered on 17-01-12
16	Pallabi Saikia MSP-1202	Mortality Models and Construction of Life Table of Assam	Registered on 17-01-12
17	Mrs Sangeeta Borah MSP-12002	<i>A Study on Fertility Pattern and Socio-Economic Development of Assam.</i>	Registered on 23-07-14
18	Mrs Sangeeta Baruah MSP-13003		Registered on 23-07-14
19	Ms Junali Hazarika MSP-14101	A Study on Certain Univariate Discrete Probability Distributions.	Registered on 23-07-14
20	Krishna Ram Saikia MSP-1202	A Study on Certain Discrete Probability Distributions	Registered on 23-07-14
21	Dhruba Jyoti Borah MSP-13004	Rainfall Frequency Analysis of the North East India: A Comparative Study between Parametric and Non-parametric Methods	Registered on 23-07-14

**9. Students Guided as a Principal Investigator for M. Tech. Program # 15**  
**10. Major Research Projects**

Sl. No.	Sponsoring Organization	Title of Research Problem	Amount in Rs.	Duration
1	U.G.C	<i>Use of Genetic Algorithms in Solving Some Combinatorial Optimization Problems of Large Systems.</i>	4,52,560	Three years
2	ISRO	<i>Bankline Migration of the river Brahmaputra due to Erosion: A case study on a selected intensive test site (Dhemaji Region) based on Satellite Imageries.</i>	7,08,000	Three years 13.09.1999- 12.09.2002
3	DRDO	Application of GIS in Delineating the Malaria Prone Areas in Sonitpur district	2,48,000	Ten months 24.10.2002-

		of Assam.		23.08.2003
<b>4</b>	<b>CSIR</b>	Development, Evaluation and Application of Algorithms for Analysis, Estimation and forecasting of Natural Hazards: Application to North East India (Ongoing)	16,00000	Three years 09.06.2004- 08.06.2007
<b>5</b>	<b>DST, New Delhi</b>	Creation of Specialized Manpower in Computational Seismology (M. Tech. Programme)	1,76,37000	Six years 18.05.2004- 30.06.2010

## 11. Seminars, Workshop etc. Organized

Sl. No.	Sponsoring Organization	Title of Seminar/workshop etc.	Duration
1	ISRO, CSIR, ONGC, OIL, NRSA, NDM, DST, INCOH, NDF, SBI, TRA-TOCKLAI, UCO BANK, HUDCO, NEC, INSA	<i>Expository Workshop on Remote Sensing Techniques &amp; GIS for Natural Resources Surveys in NE India.</i>  <b>July 20 –23, 2000</b>	<b>4 Days</b>
2	UGC Sponsored	<i>Refresher Course in Mathematics for College Teachers</i>  <b>9<sup>th</sup> – 29<sup>th</sup> July, 2001</b>	<b>21 days</b>
3	UGC Sponsored	<i>Refresher Course in Applied Mathematics.</i> <b>December 10-30, 2004.</b>	<b>21 days</b>
4	CSIR, INSA, etc. and Tezpur University	<i>Workshop on Mathematical Modeling and High Performance Computing</i> <b>28<sup>th</sup> Oct. – 1<sup>st</sup> Nov., 2005</b>	<b>5 Days</b>
5	ISI, Calcutta	<i>Demography and Population Dynamics with Emphasis on Survey Sampling Methodologies</i> <b>October 26-28, 2006</b>	<b>3 Days</b>

## 12. Invited Talks: As resource person

Sl. No.	Organization / Department /time	Title of the talk	No. of lectures
1	Dibrugarh University, Department of Statistics.	<b>Problems on Operational Research :</b> <i>Assignment problems, Replacement problems &amp; Transportation problems.</i> (for UGC sponsored Refresher courses)	<b>Four</b>
2	Gauhati University, Department of Statistics.	<b>Discrete Probability Distributions:</b> Problems of Estimation & Applications (for UGC sponsored Refresher courses)	<b>Two</b>
3	Dibrugarh University, Department of Statistics.	<b>Discrete Probability Distributions:</b> Problems of Estimation & Applications (for UGC sponsored Refresher courses)	<b>Four</b>
4	Dibrugarh University, Department of Statistics.	<b>Linear Programming Problems:</b> <i>Problems Solving by Algorithmic Approach</i> (for UGC sponsored Refresher courses)	<b>Six</b>
5	Gauhati University, Department of Statistics.	Properties of Generalized Lindley and Some Poisson–Lindley Distributions (National Conference on Statistical Theory and its Practice, Dec, 23-24, 2011)	<b>one</b>

## 13. Achievement of Fellowship/Assignment/ Award/ etc.:

i) Board Member

16.08.97 – 15.08.2000 As a senior Reader  
17.05.07 - 16.05.2010 As a senior Professor

ii) Head, Department of Mathematical Sciences

28.01.1999 – 27.01.2002      1<sup>st</sup> term  
 24.12.2003 - 23.12.2006      2<sup>nd</sup> term  
 24.12.2006 – 15.09.2008      3<sup>rd</sup> term

iii) Principal Investigator

a) UGC Project  
 b) ISRO Project 13.09.1999 - 12.09.2002  
 c) DRDO Project 24.10.2002 23.08.2003  
 d) CSIR Project 09.06.2004 08.06.2007  
 e) DST Project 18.05.2004 30.06.2010

Professional Honors      Selected member of editorial board, Assam Science Society, 1992- 1994.  
 Fellowships      University Grants Commission (U.G.C.) Research Fellowship, 1976- 1979.  
 Post- Doctoral Fellowship      North Dakota State University, U.S.A. 1986- 1988  
 Visiting Assistant Professorship      University of Missouri Columbia, U.S.A. 1987- 1988.  
 Invited Visiting Faculty      Tezpur University, Sonitpur, Assam, 1994.

Professional Affiliations :-

- Member (Life) Indian Society of Agricultural Statistics
- Member (Life) Assam Science Society
- Member, American Statistical Association, 1986- 1994
- Member (Life) Indian Society of Probability and Statistics, LM/30/069
- Member (Life) Indian Society for Mathematical Modelling and Computer Simulation (IS-MMACS)
- Member Indian Statistical Institute (No. 0/8194-2002)
- Member (Life) Indian Statistical Association
- Member (Life) Assam Statistical Review

**14. List of Publications of Prof. M. Borah**

Date 02.05.2016

Department of Mathematical Sciences  
 Tezpur University

Sl. No	Name of author(s)	Title of the Article	Name of Journal/Publisher/ Volume
103	Bora D.J. and M. Borah	Regional analysis of maximum rainfall using L-moment and LH-moment: A comparative case study for the northeast India	Mausam, 68(3), 451-462, 2017
102	Borah, M., Bora, D.J. and Bhuyan, A. <a href="#">IJAMSS - 2016</a>	Regional Analysis of Maximum Rainfall Using L-moment and LQ-moment: A comparative Case Study for the North East India	Statistical Sciences (IJAMSS) ISSN(P): 2319-3972; ISSN(E): 2319-3980 Vol. 5, Issue 6, Oct - Nov 2016; 79-90
101	Borah, M., Bora, D.J. and Bhuyan, A. <a href="#">IJESC-2016</a>	Regional Analysis of Annual Maximum Rainfall Using TL-moments method: A Case Study for the North East India	International Journal of Engineering Science and Computing, 6(8), 2275-2279, 2016
100	M. Borah and Junali Hazarika	Discrete Shanker Distribution and Its Derived Distributions	Biometrics & Biostatistics International Journal, Volume 5 Issue 4 , 2017

	<a href="#">BBIJ-5(4)-17</a>		
99	<b>M. Borah &amp; KR Saikia</b> <a href="#">BBIJ5(6)-17</a>	Zero- Truncated discrete Shanker distribution and Its applications	Biometrics & Biostatistics International Journal, Volume 5 Issue 6 , 2017
98	Sangeeta Baruah and <b>M. Borah</b>	Inter-District Disparity in Agricultural Development of Assam	<i>International Journal of Mathematical Archive</i> , 7(4), 37-44, 2016.
97	Sangeeta Baruah and <b>M. Borah</b>	Assam's Inter- District Socio- Economic disparity in Health	<i>International Journal of Scientific Research</i> , 5(4), 71-73., 2016.
96	Mahanta, D.J., <b>M. Borah</b> and P. Saikia	A Study on Kinetic Models for Analysing the Bacterial Growth Rate.	<i>American International Journal of Research in Science, Technology, Engineering &amp; Mathematics</i> 8(1), 68-72, 2015
95	<b>M. Borah, Krishna Ram Saikia and Junali Haharika</b>	A study on two parameter discrete Quasi Lindley distribution and its derived distributions	<i>International Journal of Mathematical Archive</i> , 6(12), 149-156, 2015.
94	<b>Porinita Dutta and M. Borah</b>	A study on some properties of Poisson size-biased Quasi Lindley Distribution.	<i>IOSR Journal of Mathematics</i> , 11(3),23-28, 2015
93	<b>Porinita Dutta and M. Borah</b>	A comparative study on zero –truncated Poisson _Lindley Distribution.	<i>International Journal of Mathematical Archive</i> , 6(6),17-22, 2015
92	<b>Porinita Dutta and M. Borah</b>	Zero Modified Poisson – Lindley Distribution	<i>Assam Statistical Review</i> , 28(1), 63-77,2014
91	Mahanta, D.J., and <b>M. Borah</b>	Parameter estimation of Weibull growth models in forestry.	<i>International Journal of Mathematics Trends and Technology</i> , 8(3), 157-163, 2014.
90	<b>Porinita Dutta and M. Borah</b>	Some properties and application of size-biased Poisson –Lindley distribution.	<i>International Journal of Mathematical Archive</i> , 5(1), 89-96, 2014.
89	Snigdha Mahanta & <b>M. Borah</b> IJIRCST-14	A Study of Goodness –of- Fit Tests for Some Discrete Probability Distribution	<i>International Journal of Innovative Research in Computer Science &amp; Technology</i> ,2(3), 2014
88	<b>Pallabi Saikia and M. Borah</b>	A Comparative Study of Parametric Models of Old- Age Mortality	International Journal of Science and Research (IJSR) Vol. 3(5) May 2014
87	Porinita Dutta and M. Borah	Some Properties and Application of Size-Biased Poisson- Lindley Distribution	<i>International Journal of Mathematical Archive</i> , 5(1), 89-96, 2014
86	Pallabi Saikia and M. Borah	A Study on Mathematical Modeling for Oldest-Old Mortality Rates	<i>International Journal of Mathematical Archive</i> , 4(11), 1-9, 2013
85	Gogoi, J. , <b>M. Borah</b> and G.L. Srivastav.	An n-standby repairable system with imperfect switching	OPSEARCH, Vol. 50 (3), 346- 357, 2013
84	<b>M. Borah</b> and Dipal Jyoti Mahanta	<i>Rapid Parameter Estimation of Three Parameter Nonlinear Growth Model</i>	<i>International Journal of Mathematical Archive</i> , 4(2), 1-9, 2013
83	Doloi. C, <b>M. Borah</b> and J. Gogoi	Cascade System with $P(X<Y<Z)$	<i>Journal of Informatics and Mathematical Sciences</i> , 5(1),

			2013.
82	Bhuyan A. and <b>M. Borah</b>	Flood Frequency Analysis of the North Bank Region of the River Brahmaputra by using LQ-moments	<i>Journal of Statistics and Applications</i> , 7(1-2), 81-93, 2012
81	Gogoi, J. , and <b>M. Borah</b>	Estimation of Reliability for Multi-component systems using Exponential, Gamma Stress- Strength Distributions.	<i>Applications of Reliability Theory and Survival Analysis</i> : Editors: Navin Chandra and G. Gopal, 66-78, 2012
80	Gogoi, J. , and <b>M. Borah</b>	An n-Standby Repairable System With Imperfect Switching	<b>OPSEARCH</b> , Springer, Publish online: 23 September 2012
79	Gogoi, J. , and <b>M. Borah</b>	Identical Strength for a Warm Standby System with Imperfect Switch	<i>Journal of Indian Statistical Association</i> , Vol. , 2012
78	Gogoi, J. , and <b>M. Borah</b>	Estimation of Reliability for Multi-component systems using Exponential, Gamma and Lindley Stress- Strength Distributions.	<i>Journal of Reliability and Statistical Studies</i> , Vol. 5(1), 33-41,2012.
77	Deka S and <b>M. Borah</b>	Statistical Analysis of Flood Peak data of North Brahmaputra Region of India based on the methods of TL-moment	<i>Inter State</i> Online publication, Jun, 2012 ISSN 1941-689X
76	Doloi, C. and <b>M. Borah</b>	Cascade Reliability in Different Types of Failure Models	<i>International Journal of Statistics and Analysis (IJSA)</i> , 2(3), 305-314,2012.
75	Nath, Ajanta and <b>M. Borah</b>	Inter District Developmental Disparities on Education in Assam	Chapter of Book: <i>Social Development: Perspective, Issues and Dimensions for India</i> , Serial Publications, pp.143- 162, 2012
74	Bhuyan, A. and <b>M. Borah</b>	Regional Flood frequency Analysis of Tripura using L-moment	<i>Journal of Applied and Natural Science</i> , Vol. 4(1), 36-41, 2012 ISSN 0974-9411(print), 2231-5209
73	Gogoi, J. , and <b>M. Borah</b>	Identical Stress for a Warm Standby System with Imperfect Switching	<i>IAPQR Transactions</i> , 37(1), 1-11, 2012, ISSN 0970-0102
72	Doloi, C. and <b>M. Borah</b>	Cascade System with Mixture of Distributions	<i>International Journal of Statistics and Systems</i> , Vol. 7(1), 11-24, 2012. ISSN 0973-2675
71	Gogoi, J. , and <b>M. Borah</b>	Inference on Reliability for Cascade Model	<b>Jour. of Informatics and Mathematical Sciences</b> , Vol. 4, No. 1, 77-83, 2012. ISSN 0975-5748
70	Bhuyan, A. and <b>M. Borah</b>	LQ-Moments for Regional Flood Frequency Analysis: A Case Study for the North-Bank Region of the Brahmaputra River, India	<i>Journal of Modern Applied Statistical Methods</i> , Vol. 10. No.2, 730-740, 2011
69	Nath, Ajanta and <b>M. Borah</b>	Inter District Developmental Disparities on Agriculture in Assam	<i>Jour. Ind. Soc. Ag. Statistics</i> , Vol. 65(3), 275-284, 2011 ISSN 0019-6363
68	Doloi, C. and <b>M. Borah</b>	Time Dependent Cascade Model with Number of Stresses A Poisson Process	<i>Journal of Statistics and Applications</i> , Vol. 6, No. 1-2, 37-59, 2011. ISSN 0973-4600



67	Gogoi, J. , and <b>M. Borah</b>	Identical Stress-Strength Model with Random Parameters in Reliability Theory	<i>Journal of Statistics and Applications</i> , Vol. 6, No. 1-2, 15-24, 2011. <b>ISSN 0973-4600</b>
66	Gogoi, J. , and <b>M. Borah</b>	Warm Standby with Imperfect Switching in Cascade Model	<i>International Journal of Statistics and Analysis</i> , Vol. 1, No. 4, 359-366, 2011. <b>ISSN</b>
65	Bhuyan, A. and <b>M. Borah</b>	Assessment of Regional Flood Frequency of Tripura Region of North East India	<i>Journal of Applied Hydrology</i> , Vol. 23(1&2), 17-24, 2010 <b>ISSN 0971-670X</b>
64	Begum, R.A. and <b>M. Borah</b>	A study of infinite divisible generalized three parameter Charlier distribution	<i>American J. of Mathematical and Management Sciences</i> , 30, No. 1 & 2, 35-52, 2010 <b>ISSN 0196-6324</b>
63	Powdel, B. R., <b>M. Borah</b> and S.K. Ray	Strand-specific Mutational Bias Influences Codon Usage of Weakly Expressed Genes in Escherichia coli.	<i>Genes to Cells</i> , Vol. 15, 773-782, 2010 <b>ISSN: 1356-9597</b>
62	<b>Borah, M.</b> , Deka, S. and Kakaty, S. C	Statistical Analysis of Annual Maximum Rainfall in North-East India: An Application of LH-Moments	<i>Theoretical and Applied Climatology</i> , DOI 10.1007/s00704-010-03307-7, 2010 <b>ISSN: 0177-798X</b>
61	DEKA, S., <b>M. Borah</b> and S.C. KAKATY	Statistical Modeling of Wet and Dry Spell Frequencies over North-East India,	<i>Journal of Applied and Natural Science</i> , 2(1), 42- 47,2010 <b>ISSN 0974-9411(print), 2231-5209</b>
60	Gogoi, J. , <b>M. Borah</b> and G.L. Sriwastav	An Interference Model with Number of Stresses a Poisson Process.	<i>IAPQR Transactions</i> , 34 (2), 139- 152, 2010 <b>ISSN: 0970-0102</b>
59	Nath, Ajanta and <b>M. Borah</b>	Socio- EconomicDevelopment Disparities in the Districts of Assam	<i>International J. of Multidispl. Research &amp; Adves in Engg.</i> Vol. 2(3), pp 163-180, 2010 <b>ISSN: 0975-7074</b>
58	Nath, Ajanta and <b>M. Borah</b>	Inter District Development Disparities on Education in Assam	<i>Indian Journal of Social Development</i> (In press), 2010 <b>ISSN: 0972-3692</b>
57	Doloi, C. , <b>M. Borah</b> and G.L. Sriwastav	Cascade System with Random Attenuation Factor	<i>IAPQR Transactions</i> , 35(2), 81-90, 2010 <b>ISSN: 0970-0102</b>
56	<b>Borah, M.</b> , Bhuyan, A. and Kumar R.	Regional flood frequency analysis of North Brahmaputra region by using LH-moments	<i>Water Resource Managements</i> . Vol. 24, 1779-1790, 2009 <b>ISSN: 0920-4741</b>
55	<b>Borah, M.</b> , Mukherjee, A. K. and Rai, S. K.	To study the influence of different components of fermentable substrates on induction of extra -cellular $\alpha$ - amylase synthesis by Bacillus subtilis DM- 03 in Solid – state fermentation and exploration feasibility for inclusion of $\alpha$ -amylase in laundry detergent formulations	<i>Biochemical Engineering Journal</i> , Vol.43, No. 2, 149-156, 2009. <b>ISSN: 1369-703X</b>
54	<b>Borah, M.</b> and Singh, S. K.	A comparative study of Repulsive Particle Swarm Optimization and Simulated Annealing on some Numerical Bench Mark	<i>International Journal of Computational Intelligence Research</i> , Vol. 5, No. 1,

		Problems	pp. 75-82, 2009. <b>ISSN 0973-1873, 0974-1259 (on line)</b>
53	<b>Borah, M.</b> , Deka, S. and Kakaty, S. C.	Fitting of Probability Distributions for daily rainfall data of North-East India	<i>Contribution to Appl. Math. Stat.</i> , Vol. 5, pp. 42-52, 2009 <b>ISSN: 0935-1175</b>
52	<b>Borah, M.</b> and Singh, S. K.	Performance of population based Meta-heuristics on some non-convex noisy deceptive benchmark test function	<i>Global Journal of Pure and Applied Mathematics</i> , Vol. 5, No.1, pp. 9 – 14, 2009 <b>ISSN: 0973-1768</b>
51	<b>Borah, M.</b> and Singh, S. K.	A comparative study of swarm intelligence optimization method and evolutionary optimization method on some noisy numerical benchmark test problems	<i>International Journal of Computational and Applied Mathematics</i> Vol. 4, No.1, pp. 1 – 9, 2009 <b>ISSN:1819-4966</b>
50	<b>Borah, M.</b> , Deka, S. and Kakaty, S. C.	Distributions of annual maximum rainfall series of North-East India	<i>European Water</i> , Vol. 27-28, pp. 3-14, 2009 <b>ISSN: 1105-7580</b>
49	<b>Borah, M.</b> , and Bhuyan, A.	Best fitting probability distributions for Annual Maximum Discharge Data of the River Kopili, Assam	<i>Journal of Applied and Natural Science</i> , Vol. 1, No.1, pp. 50-52, 2009 <b>ISSN 0974-9411(print), 2231-5209</b>
48	<b>Borah, M.</b> , Singh, S. K. and U.C.Jha.	Comparative Study of Modified Differential Evolution and Genetic Algorithm on Some Nonlinear, Non Convex and Noisy Test Functions	<i>International Journal of Mathematical Modeling, Simulation and Applications</i> Vol. 2(2), pp 156-162, 2009 <b>ISSN: 0973-8355</b>
47	Bhuyan, A. and <b>M. Borah</b>	Flood Frequency Analysis of Some Selected Rivers of South Bank of the River Brahmaputra, Assam.	<i>Proceedings Seminar on Shared Water- Shared Opportunities</i> , May, 29, pp 52- 70, 2009.
46	B. R. PowdeH, S. S. Satapathy, A. Kumar, P. K. Jha, A. K. Buragohain, M. Borah, and S. K.Ray	A Study in Entire Chromosomes of Violations of the Intra-strand Parity of Complementary Nucleotides (Chargaff's Second Parity Rule)	<i>DNA RESEARCH</i> pp. 1–19, 2009 <i>DNA Research</i> , Vol. 16(6), pp 325-343, 2009. <b>ISSN: 1756-1663 (on line)</b> <b>ISSN: 1340-2838 (Print)</b>
45	<b>Borah, M.</b> , Deka, S. and Kakaty, S. C.	Use of Probability Distributions for the Analysis of Daily Rainfall Data of North East India	<i>Mausam</i> , 59 (4), 518-527, 2008 <b>ISSN: 0252-0416</b>
44	Deka S., S.C. Kakaty and <b>M. Borah</b>	Statistical Modeling of Rainfall Data: Markov Chain Approach,	<i>Journal of Empirical Research in Social Science</i> , 3 (1-2), 77-82, 2008.
43	Bhuyan, A. and <b>Borah, M.</b>	Flood frequency analysis of Tripura region of North East India by using L-moments	<i>Proceedings of National Seminar on Water Resource flood</i> , pp. 45 - 51, 2008
42	Bhuyan, A. and <b>M. Borah</b>	Modeling of Annual Maximum Water Level of Buridihing Sub-basin by using Extreme value Distribution.	<i>Statistical Modelling</i> , March 3-5, 2008.
41	Bhuyan, A. and <b>M. Borah</b>	Flood frequency analysis of Tripura region of North East India by using L-moments	45- 51, 2008
40	Begum, R. A. and <b>Borah, M.</b>	Application of the Gegenbauer distribution to ball games	<i>Assam Statistical Reviews</i> , Vol. 20 No. 1, pp. 60- 72, 2006 <b>ISSN 0973-1903</b>
39	<b>Borah, M.</b> , Sarma, S. and Dutta, R.K	Effects of alcohol on partition equilibrium of Phenol red in micellar solutions and o/w microemulsions of anionic surfactants	<i>Journal of Colloids and Surfaces A: Physicochem. Eng. Aspects</i> , Vol 256, 105- 110, 2005

			<b>ISSN: 0927-7757</b>
38	<b>Borah, M.</b> , Saikia, P. M. and Dutta, R.K.	Acid- base equilibrium of anionic dyes partially bound to micelles of nonionic Surfactants	<i>Journal of Colloid and Interface Science</i> , Vol 285, 382-387, 2005 <b>ISSN: 0021-9797</b>
37	Begum, R.A. and <b>M. Borah</b>	Certain Infinitely Divisible Discrete Probability Distributions and its Applications	<b>Mathematics and Statistics in Engineering Bio Technology and Sciences</b> , Centre for Bio Mathematical Studies, Jharkhand, India, pp 88-111, 2005
36	Begum, R.A. and <b>M. Borah</b>	A study on Infinite Divisible Generalized three parameter Charlier Distribution	<i>American Journal of Mathematical and Management Sciences</i> ,
35	Kalita, P., H. Choudhury and <b>M. Borah</b>	Factor Affecting the use of Contraception : A case study of Assam, based on Multivariate Analysis	<b>Assam Statistical Review</b> , Vol. 18(1-2), 2004. <b>ISSN 0973-1903</b>
34	Kalita, P., H. Choudhury and <b>M. Borah</b>	An Econometric Study of Some Selected Socio-Demographic Variables on Fertility by age group.	<b>Man in India</b> , 82(3 &4), 453-458, 2002 <b>ISSN: 0025-1569</b>
33	<b>Borah, M.</b> and R.A. Begum	Some Properties of Poisson- Lindley and its derived distributions	<i>Journal of the Indian Statistical Association</i> Vol. 40, pp 13- 25, 2002 <b>ISSN: 0537-2585</b>
32	Kalita, P., H. Choudhury and <b>M. Borah</b>	A Path Model of Fertility Behaviour	<i>Dynamics of Population and Reproductive Health: Emerging Issues of Northeastern Region of India</i> , (Eds. Dilip C. Nath), Capital Publishing Company, pp 261- 269, 2003
31	<b>Borah, M.</b> and A. Deka Nath	A study on the Inflated Poisson Lindley Distribution	<b>Jour. Ind. Soc. Ag. Statistics</b> , 54(3), pp 317- 323, 2001 <b>ISSN: 0019-6363</b>
30	<b>Borah, M.</b> and A. Deka Nath	Poisson Lindley and Some of its Mixture Distributions	<i>Pure and Applied Mathematika Sciences</i> , 53, pp 1-8, 2001, ISSN: 0379-3168
29	<b>Borah, M.</b> and A. Deka Nath.	A class of Hermite Type Lagrangian Distributions.	<b>Recent Trends in Mathematical Sciences</b> , (eds. J.C. Misra and S.B. Sinha), Norossa Publishing House, pp 319- 326, 2001
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