

List of Patent Applications from Tezpur University

Sl.No	Application No	Title of Invention	Inventor (s)
1	201931020800	Polymer/antibiotic coated Muga (antheraea assamensis) silk suture	Arup Jyoti Choudhury, Gazi Ameen Ahmed, Namita Ojah
2	201931014698	Two dimensional heterostructure based composite films for food packaging	Pritam Deb and Meenakshi Talukdar
3	201931020800	An optical fiber prototype instrument for online monitoring of transformer oil insulation	P.P.Sahu
4	201931012050	A continuous jaggery making machine	Mr. Amit Baran and Das Himakshi Baishya
5	201831038837	Toxins-targeted specific novel anti snake venom	Asish Kumar Mukherjee Aparup Patra, Sumita Dutta, Bhargab Kalita and Abhisekh Chanda
6	201831045154	A bicycle saddle system adapted to exert backward reactive force in countering the forward slip of the rider during sudden braking	Dilip Dutta, Arpeeta Saikia, Zahnupriya Kalita and Sudipta Saikia
7	201831045155	System for enhancing stability of bicycle by steering-back handle bar automatically	Dilip Dutta, Sudipta Saikia, Zahnupriya Kalita and Arpeeta Saikia
8	201831009528	A portable optical fiber instrument for instant petrol purity detection	Partha Pratim Sahu
9	201831009592	Designed 2d graphitic sheet for viscous oil removal using magnet	Pritam Deb and Meenakshi Talukdar
10	201831009678	Integrated and automated set up for preparation and vending of panipuri	Saurav Jyoti Sarma, Abhijit Nath, Polas Pratim Dutta and Chandeeep Suman Gogoi
11	201831010002	Toxin-epitope based detection of species-specific snake envenomation	Asish Kumar Mukherjee and Sumita Dutta
12	201831002973	Internal combustion cooking system"	Deben Baruah and Bharat Terang
13	201831010001	Synthetic anticoagulant peptides derived from <i>Naja naja</i> snake venom	Asish Kumar Mukherjee and Sumita Dutta
14	201831009091	A smokeless multifunctional and multipot solid fuel stove	Biswajit Gogoi and Debendra Chandra Baruah
15	201731009379	Magnetic secondary nanostructure as contrast agent for Magnetic resonance imaging	Pritam Deb and Kausik Saikia
16	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/carbon quantum dot nanocomposite"	Niranjan Karak, Vijay Kumar Das and Satyabrat Gogoi

17	201631022922	Smartphone based system for detection and measurement of chemical and biological species in liquids	Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad Pabitra Nath
18	201631016888	A Two Way Ratchet	Arup Jyoti Chutia
19	201631016889	Intelligent Helmet System	Ratul Kumar Baruah, Amit Kumar, Saurav Dutta and Surajit Paul
20	201631010727	Novel Soil Conditioners	Sanjay Pratihar, Satya Sundar Bhattacharya, Pallabi Das and Kasturi Sarmah
21	201631005351	Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods	Pallab Kumar Borah and Raj Kumar Duary
22	201631006546	Microwave mediated processing of turmeric	Brijesh Srivastava, Baby Z. Hmar and Dipsikha Kalita
23	1313/KOL/2015	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	Ashish Kumar Mukherjee and Debananda Gogoi
24	211/KOL/2014	A Synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof.	Niranjan Karak, Saswat Barua and P. Chattapadhyaya
25	1296/KOL/2014	Nanocatalyst for bio oil production	Pritam Deb and Kasmiri Deka
26	1295/KOL/2014	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar
27	1742/DEL/2013	Multifunctional nanoparticles, methods of synthesis thereof, and methods of biomedical uses thereof.	Pritam Deb and Madhulekha Gogoi
28	637/KOL/2011	Eco friendly dry chilli spray from Bhot Jalakia of Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and D Kalita
29	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, Dhrubajyoti Talukdar, Abul Usmai, Subeer Suhash Majumdar, Susmita Bhattacharya, Suman Dasgupta, Rakesh Kundu, Samir Bhattacharya and Shelley Bhattacharya.
30	20/KOL/2011	Digital Occupancy Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
31	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
32	296/DEI/2010	Amla lemon based ready to serve drinks (enriched with polyphenols)	Poonam Mishra
33	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

34	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
35	1294/KOL/2009	Development of thiophene linked azomethine based polymer for photovoltaic application	Binod Pokhrel and Swapon Kumar Dolui
36	1293/KOL/2009	Graphite filled polyaniline and its suitability in electrode	Surajit Konwer and Swapon Kumar Dolui
37	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
38	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.
39	1021/KOL/2009	Tender coconut water beverage from coconuts from Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and Alak Kumar Buragohain
40	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu
41	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
42	1215/KOL/2008	Enhanced limestone defluoridation of fluoride contaminated water in the presence of citric acid and acetic acid	Robin Kumar Dutta and Suresh Kumar Nath
43	1909/CHE/2006	Catalysts and process for oxidation and deep desulphurization of transportation fuels	Mihir Kanti Chaudhuri, S. Hussain and V. Srihari Tadimalla