

**LIST OF PATENTS GRANTED/PUBLISHED FROM DIBRUGARH UNIVERSITY (2021-2024)**

Sl. No.	Name of inventor(s)	Title of the Patent	Country, where patent is filed/granted	Current Status	Date of grant, if granted
1.	Subhadeep Mukherjee, Abhishek Shukla, Sahiba Sharma, Soumendra Bhattacharjee, <b><u>Seema S. Singha</u></b>	A method of performance measurement system for human resources	India	Published	08-01-2021
2.	Anup Sharma, <b><u>Haraprasad Mondal</u></b> , D.Chirag. Chainvar, Sandip Roy, Rajesh Bose	A robotic system for disinfecting an area	Australia	Granted	16-06-2021
3.	Wal, Pranay; <b><u>Shakya, Anshul</u></b> ; Khera, Kanav; Dubey, Sonali; Kannoja, Pushpendra; Kushwaha, Swatantra K. S.; Rai, Awani K.	A Polyherbal Formulation to Prevent Progression of Ulcerative Colitis	Australian Innovation Patent	Granted	06-07-2021
4.	<b><u>Shakya, Anshul</u></b> ; Ghosh, Surajit K.; Chaudhary, Sushil K.; Gogoi, Neelutpal; Shivavedi, Naveen; Garabadu, Debapriya; Bhat, Hans Raj	A rapid method for identifying and quantifying rutin in fruit pulp of <i>Benincasa hispida</i> (Thunb.) Cogniaux	Australian Innovation Patent	Granted	16-08-2021
5.	<b><u>Shakya, Anshul</u></b> ; Shivavedi, Naveen; Singh, Gireesh K.; Garabadu, Debapriya; Patel, Dinesh K.; Singh, Ravi Bhushan; Lal, Ganesh; Sutradhar, Jugal	An adaptogenic herbal composition and a method to produce the adaptogenic herbal composition	Australian Innovation Patent	Granted	17-08-2021
6.	<b><u>Shakya, Anshul</u></b> ; Singh, Gireesh K.; Garabadu, Debapriya; Das, Nirupam; Patel, Dinesh K.; Singh, Ravi Bhushan;	A poly-herbal drug composition and a method for a formulation of the poly-herbal drug for the treatment of a chronic fatigue syndrome	Australian Innovation Patent	Granted	23-08-2021

	Shivavedi, Naveen; Singh, Shashi Kant				
7.	<b>Shakya, Anshul</b> ; Sinha, Saurabh K.; Prasad, Satyendra K.; Meena, Mukesh K.; Chouhan, Mangilal; Chaudhary, Sushil K.; Laloo, Damiki; Shivavedi, Naveen	A poly-herbal drug composition and a method for a formulation of the poly-herbal drug, for a treatment of a cognitive frailty	Australian Innovation Patent	Granted	23-08-2021
8.	<b>Shakya, Anshul</b> ; Sinha, Saurabh K.; Prasad, Satyendra K.; Laloo, Damiki; Dash, Biswajit; Garabadu, Debapriya; Shivavedi, Naveen; Singh, Shashi Kant	A poly-herbal drug and a method for formulating for the poly-herbal drug for a treatment of diabetes	Australian Innovation Patent	Granted	23-08-2021
9.	Dr. Pranobesh Chattapadhyaya, Johirul Islam & <b>Dr. Kamaruz Zaman</b>	Preparation of Ethyl anthranilate loaded controlled release mosquito repellent patch thereof	India	Granted	26-10-2021
10.	Himadri Biswas, Rajesh Bose, Debabrata Sarddar, Sandip Roy, <b>Haraprasad Mondal</b>	Cloud-based system and method for early detection of pandemic diseases through smart phone sensors	Australia	Granted	03-11-2021
11.	Himadri Biswas, Rajesh Bose, Debabrata Sarddar, Sandip Roy, <b>Haraprasad Mondal</b>	System and method for cloud management for provisioning multiple services through smart virtual green cloud	Australia	Granted	17-11-2021

12.	<b>Subrata Sinha</b> , Sanchita Sharma, Surabhi Johari, Ashwani Sharma, Debashreet Das, Sarra Ikbel Akremi	An Artificial Neural Network Model Based on Hydrophobicity and Net Charge for Detection of Intrinsically Disordered Proteins and Regions	India	Published	10-12-2021
13.	<b>H K Sharma</b> , S Lahkar, <b>L. K. Nath</b>	A method for developing and evaluating metformin hydrochloride loaded microspheres	Republic of South Africa	Granted	22-12-2021
14.	N. Boruah, <b>H. K. Sharma</b> , G. Tiwari	A preparation method for herbal gel	Germany	Granted	12-01-2022
15.	S. Mukherjee, Rajesh Bose, Sandip Roy, Debabrata Sarddar, <b>Haraprasad Mondal</b>	A process for reducing power consumption using different floor layouts of data center	Australia	Granted	19-01-2022
16.	Rajesh Bose, Sandip Roy, Malay Ghosh, <b>Haraprasad Mondal</b> , Raktim Dey, Pratik Bhatteerjee, Suparna Biswas, Samiran Chattopadhyay, Chandreyee Chowdhury	A system for a computerized poultry configuration framework for the regulation of real-time smart poultry	Republic of South Africa	Granted	23-02-2022

17.	<b>Shakya, Anshul</b> ; Das, Nirupam; Dash, Biswajit; Shivavedi, Naveen; Jain, Vivek; Patel, Bhavesh; Samaiya, Puneet Kumar; Patel, Arun.	A System for Developing a Neuroactive Polyherbal Formulation	German Utility Patent	Granted	02-03-2022
18.	Arpan Phukan, Pronam Phukan, Rohit Sinha, Shyamal Hazarika, <b>Abhijit Boruah</b>	A LiDAR point classification system for visualizing and processing LiDAR data and its method there of.	Australia	Granted	02-03-2022
19.	Koushik Chandra, Priyajit Sen, <b>Haraprasad Mondal</b> , Sandip Roy, Rajesh Bose, Mouparna Nandan	A system and method for judging depression and mental illness on social media platform	Australia	Granted	30-03-2022
20.	AK Goswami, <b>HK Sharma</b> , N Gogoi, Kashyap, G Tiwari, B Gogoi, H. Sarma	A method for evaluating the antimalarial activity of the methanol extracts of <i>Coptis teeta</i>	Republic of South Africa	Granted	25-05-2022
21.	<b>Abinash Sarma, Chandan Lahkar, Deep Singh, Prajnyan Ballav Goswami, Prantrishna Bharali, Samiron Neog</b>	A Multipurpose Utility Vehicle for loading and offloading materials such as litter, building material and the like	India	Granted	13-05-2022
22.	<b>HK Sharma</b>	A method for analyzing chemical profiling, free radical scavenging and anti-acetylcholinesterase activities of essential oil from <i>Curcuma caesia</i>	Republic of South Africa	Granted	29-06-2022
23.	Priyank Purohit, Gaurav Joshi, Arshad Ansari, Ashish Ranjan Dwivedi, Neelutpal Gogoi, Hans R. Bhat, Surajit K. Ghosh,	A Method to access dihydroisoxazole using vec and nitrile oxide	India	Published	22-07-2022

	Prashant Gahtori and Kapil Kumar Goel				
24.	Pranjal Sarmah and Siddhartha Sankar Sarmah	Turbine Device for Generating Electricity in Shallow Water Flow, and Method of Generating Electricity Thereof	India	Published	29-07-2022
25.	Bulbuli Khanikar, <b><u>Dipsikha Bora</u></b>	<i>Ocimum gratissimum</i> Essential oilbased Biopesticide formulation for the control of uzi fly <i>Exorista sorbillans</i> Wiedemann (Diptera: Tachinidae)	India	Granted	08-09-2022
26.	<b><u>HK Sharma</u></b>	A system for preparing and testing a therapeutic drug for dementia and other neurological disorders	Germany	Granted	15-09-2022
27.	Manna Mukherjee , Prasun Banik , Sudipta Majumder , Bondita Robidas	A device for designing various directional drilling well profiles and a method thereof	Republic of South Africa	Granted	28-09-2022
28.	<b><u>Niranjan Bora, Bhargabiyoti Saikia, Mukul Chandra Bora, Anup Sharma, Indrani Pachani, Ashish Bora, Anurag Dutta, Asmita Phukan</u></b>	Solar based automated Hydroponic system for synchronous growth of vegetables using LoRa module	India	Published	21-10-2022
29.	Fahime Khozeimeh, Danial Sharifrazi, Navid Hoseini Izadi, Javad Hassannataj Joloudari, Afshin Shoeibi, Roohallah Aizadehsani, Mehrzad Tartibi, <b><u>Sadiq Hussain</u></b> , Zahra Alizadeh Sani, Marjane Khodatars, Delaram Sadeghi, Hamid	A Convolutional Neural Network System for Coronary Artery Disease Diagnosis	Republic of South Africa	Granted	30-11-2022

	Alinejad-Rokny, Saeid Nahavandi, U Rajendra Acharya				
30.	KC Saikia, <b><u>Pranjal Sarmah</u></b>	Horizontal Blade-Wheeled Turbine	India	Granted	15-12-2022
31.	<b><u>Subrata Sinha</u></b> , Saurav Mali, Amit Pathak, Surabhi Johari, <b><u>Sanchaita Rajkhowa</u></b> , Ashwani Sharma	A System of Deep Convolution Neural Network and Method for Detecting Brain Tumor	India	Published	13-01-2023
32.	Apurba Dutta, Diganta Sarma	Synthesis of Quinazolinone Analogues for Anti- Tubercular Activity	India	Published	20-01-2023
33.	<b><u>Subrata Sinha</u></b> , Mridul Bhuyan, Amit Pathak, Rajeev Sarmah, Surabhi Johari, Debashreet Das	Design, Development and Deployment of Deep Convolutional Neural Network Model for Rice Disease Detection	India	Published	27-01-2023
34.	<b><u>Subrata Sinha</u></b> , Saurav Mali, Damoni Rabidas, Trishna Dehingia, Damini Neog, Avinash Sonar, <b><u>Sanchaita Rajkhowa</u></b>	A Deep Convolution Neural Network Model for Detection of Disease in Potato	India	Published	17-02-2023
35.	Subhadeep Chakraborty, Nabasmita Bordoloi, Pransu Raj Kaushik, Anjan Kumar Bordoloi	A novel hypothetical study on assessment of work from home	India	Published	10-03-2023
36.	<b><u>Subrata Sinha</u></b> , Saurav Mali, Vishal Paul, Navanish Kumar, Saurav Pran Bora, Manjusha	A System of Deep Convolutional Neural Network and Method for Detecting Wheat Disease	India	Published	10-03-2023

	Devi, Porinita Gogoi, Borsha Rajkumari, Mashum Barthakur				
37.	<b><u>Dipsikha Bora and Urbbi Devi</u></b>	Formulation of <i>Zanthoxylum nitidum</i> bark against larvae of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> and process for preparation thereof	India	Granted	14-03-2023
38.	M. Akif Cifci, Sadiq Hussain, Paren J. Canatalay	A 3D-MRI-Based system and method for breast cancer diagnosis with stacked convolutional networks	India	Published	19-05-2023
39.	Dr. Rizwan Rehman, Dr. Priyakshi Mahanta, Ankumon Sarmah, Kankana Dutta, Harjinder Singh	Smart Speaker for Playback Singing	Design Patent, India	Granted	11-07-2023
40.	Hamid Alinejad-Rokny, Roohallah Alizadehsani, Chandrashekhar Harlapur, <b><u>Sadiq Hussain</u></b> , Fahime Khozeimeh, Saeid Nahavandi, Mohamad Roshanzamir, Zahra Alizadeh Sani, Danial Sharifrazi, Sheikh Mohammed Shariful Islam, Afshin Shoeibi, Sayed Javed Sultanzadeh	Hypertrophic Cardiomyopathy Diagnosis Based on Cardiovascular Magnetic Resonance Using Deep Learning Techniques	Germany	Granted	02-08-2023
41.	Dr. Ila Nakkeeran, Bhaskar Saikia, et al.	Impact of “Whatsapp” partnership for the growth of retail business in India	Indian	Published	01-09-2023

42.	Dr. Rizwan Rehman, Prof. Jiten Hazarika, Ankumon Sarmah, Dr. Priyakshi Mahanta, Kankana Dutta, Harjinder Singh, Mr. Dhiraj Baruah, Pinakshi Konwar	IOT Device for Human Voice Recording, frequency replication, and identification based on neural network and format frequency fusion	Design patent, India	Granted	09-09-2023
43.	Subrata Sinha, Manjusha Devi, Surabhi Johari, Sanchaita Rajkhowa, Rubul Kumar Bania, Pranjal Kumar	Pesticide Spraying Drone with Integrated Crop Disease Detection System (Design Patent, No.: Design No.: 6318123)	UK	Granted	17-10-2023
44.	Mohit Rajput, Diganta Sarma	Zeravalent Iron Modified Tea Waste Biochar for Remediation of Cd(II) and Cr(IV) from Aqueous Solutions	India	Published	10-11-2023
45.	Kamal Chandra Saikia and Pranjal Sarmah	A Unique Measure for Protection of River Bank Erosion	India	Granted	26-12-2023
46.	C. Sonia, Mandira Neog, Nomi Baruah, A.N. Inamdar, P. Selvaprasanth, S.R. Rao, J. Rajeshkumar, P. Meenalochini, R. Karthick	Automatic Electric Vehicle Driving Method Based on Artificial Intelligence	India	Published	05-01-2024
47.	Dr. Utpala Borgohain, Dr. Gunadeep Chetia, Dr. Ujjal Saikia, Smriti Priya Medhi, Debashree Borthakur, Kanak Chakraborty, Saurav Mali, Dr. Subrata Sinha	A Deep Convolutional Neural Network Model for Detection of Colon Cancer	India	Published	23-02-2024



48.	Manna Mukherjee. Dr. Nayan Medhi, Sanjeev Thakur	A Method and System for Designing Oil and Gas Separators by using an Application	Republic of South Africa	Published	28-02-2024
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