

**LIST OF PATENTS GRANTED/PUBLISHED FROM DIBRUGARH UNIVERSITY (2021-2023)**

<b>Sl. No.</b>	<b>Name of inventor(s)</b>	<b>Title of the Patent</b>	<b>Country, where patent is filed/granted</b>	<b>Current Status</b>	<b>Date of grant, if granted</b>
1	Dr. Pranobesh Chattapadhyaya, Johirul Islam & <b><u>Dr. Kamaruz Zaman</u></b>	Preparation of Ethyl anthranilate loaded controlled release mosquito repellent patch thereof	India	Granted	26-10-2021
2	Arpan Phukan, Pronam Phukan, Rohit Sinha, Shyamal Hazarika, <b><u>Abhijit Boruah</u></b>	A LiDAR point classification system for visualizing and processing LiDAR data and its method there of.	Australia	Granted	02-03-2022
3	<b><u>H K Sharma</u></b> , S Lahkar, <b><u>L. K. Nath</u></b>	A method for developing and evaluating metformin hydrochloride loaded microspheres	Republic of South Africa	Granted	22-12-2021
4	N. Boruah, <b><u>H. K. Sharma</u></b> , G. Tiwari	A preparation method for herbal gel	Germany	Granted	12-01-2022
5	AK Goswami, <b><u>HK Sharma</u></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
6	<b><u>Abinash Sarma</u></b> , <b><u>Chandan Lahkar</u></b> , <b><u>Deep Singh</u></b> , <b><u>Prajnyan Ballav Goswami</u></b> , <b><u>Prantrishna Bharali</u></b> , <b><u>Samiron Neog</u></b>	A Multipurpose Utility Vehicle for loading and offloading materials such as litter, building material and the like	India	Granted	13-05-2022
7	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

8	<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
9	<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
10	<b><u>Shakya, Anshul</u></b> ; Singh, Gireesh K.; Garabadu, Debapriya; Das, Nirupam; Patel, Dinesh K.; Singh, Ravi Bhushan; Shivavedi, Naveen; Singh, Shashi Kant	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
11	<b><u>Shakya, Anshul</u></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

12	<b><u>Shakya, Anshul</u></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
13	<b><u>Shakya, Anshul</u></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
14	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
15	Himadri Biswas, Rajesh Bose, Debabrata Sarddar, Sandip Roy, <b><u>Haraprasad Mondal</u></b>	System and method for cloud management for provisioning multiple services through smart virtual green cloud	Australia	Granted	17-11-2021
16	Himadri Biswas, Rajesh Bose, Debabrata Sarddar, Sandip Roy, <b><u>Haraprasad Mondal</u></b>	Cloud-based system and method for early detection of pandemic diseases through smart phone sensors	Australia	Granted	03-11-2021
17	S. Mukherjee, R.ajesh Bose, Sandip Roy, Debabrata Sarddar, <b><u>Haraprasad Mondal</u></b>	A process for reducing power consumption using different floor layouts of data center	Australia	Granted	19-01-2022

18	Koushik Chandra, Priyajit Sen, <b><u>Haraprasad Mondal</u></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
19	Rajesh Bose, Sandip Roy, Malay Ghosh, <b><u>Haraprasad Mondal</u></b> , Raktim Dey, Pratik Bhattejee, 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
20.	Bulbuli Khanikar, <b><u>Dipsikha Bora</u></b>	Ocimum gratissimum Essential oilbased Biopesticide formulationfor the control of uzi fly Exorista sorbillans Wiedemann (Diptera: Tachinidae)	India	Granted	08-09-2022
21.	<b><u>Niranjan Bora,</u></b> <b><u>Bhargabjyoti Saikia,</u></b> <b><u>Mukul Chandra Bora,</u></b> <b><u>Anup Sharma, Indrani Pachani, Ashish Bora,</u></b> <b><u>Anurag Dutta, Asmita Phukan</u></b>	Solar based automated Hydroponic system for synchronous growth of vegetables using LoRa module	India	Published	21-10-2022
22.	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

23.	Fahime Khozeimeh, Danial Sharifrazi, Navid Hoseini Izadi, Javad Hassannataj Joloudari, Afshin Shoeibi, Roohallah Aizadehsani, Mehrzad Tartibi, <b>Sadiq Hussain</b> , Zahra Alizadeh Sani, Marjane Khodatars, Delaram Sadeghi, Hamid Alinejad-Rokny, Saeid Nahavandi, U Rajendra Acharya	A Convolutional Neural Network System for Coronary Artery Disease Diagnosis	Republic of South Africa	Granted	30-11-2022
24.	<b><u>HK Sharma</u></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
25.	<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
26.	<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
27.	<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

28.	<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
29.	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