

List of Patents Filed/Published/Granted

Patents Granted: 19

S.No.	Patent No. and Date of Grant	Application no.	Title	Department and Inventors
1	545596 23-07-2024	2714/DEL/2012	A synbiotic formulation of sea buckthorn (<i>Hippophae rhamnoides L.</i>) berries with radical scavenging potential	Biotechnology and Bioinformatics Gargi Dey, Bharti Negi
2	458122 11 Oct, 2023	201711024373	Novel Thiazole compounds, process for preparing the same and pharmaceutical formulation thereof	Biotechnology and Bioinformatics University of Delhi Ram Singh, Deepak Mishra, Atiya Fatima, Late Dr. Chitranjan Rout (from JUIT), Vineet Mehta, Udayabanumalairaman, Mamta Chaudhary
3	2023 / 02615 and 31 May, 2023		A Media Composition and A Method of Developing a Micropropagation Technology for <i>Picrorhiza kurroa</i> Herb	Biotechnology and Bioinformatics Hemant Sood and R S Chauhan
4	456625 and 4 Oct, 2023	202011002065	Metal leaching from e-waste using cyanogenic waste	Biotechnology and Bioinformatics Dr. Sudhir Kumar, Anil Kumar
5	2022/0 8660 and 26, October 2022		A composition and a method for investigating intermolecular interactions of bioactive molecule and surfactant	Biotechnology and Bioinformatics Poonam Sharma, Vikrant Abbot
6	124895 and 12 January 2023	319983-001 Cbr no: 14079	Movable biogas reactor	Biotechnology and Bioinformatics Karm Dass, Ankur Choudhary, Dr. Ashish Kumar, Dr. Sudhir Kumar
7	404438 and 24 August 2022	1161/DEL/2014	Non-Natural Short Cationic Antimicrobial Lipopeptides	Biotechnology and Bioinformatics Dr. Gopal Singh Bisht, Dr. Sandeep Lohan

8	2021104416 and 11 May, 2022		Device for Measuring Severity Estimation in Muscular Atrophy and Inflammation of Muscles	Biotechnology and Bioinformatics Sunil Kr. Prajapati, Tiratharaj Singh, Prashant Nayak, Prasanna Shama Khandige, Saket Singh Chandel, Chandrasekhar D. Upasani
9	379507 and 20 Oct, 2021	2248/DEL/201 1	A Novel Anticalcifying Protein from <i>Tribulus Terrestris</i>	Biotechnology and Bioinformatics Anshu Aggarwal, Chanderdeep Tandon
10	339610 and 29 June 2020	1865/DEL/2010	A Halotolerant and Thermostable Lipase Enzyme from <i>Staphylococcus Arlettae</i>	Biotechnology and Bioinformatics R.S. Chauhan, T. Anwar, A. Mathur, A. Malhotra, G. Mathur
11	339128 and 23 June 2020	362/DEL/2013	A process of preparation of nutrient medium useful in enriching Medicinal constituents in shoot cultures of <i>Swertia Chirayita</i>	Biotechnology and Bioinformatics Hemant Sood, S.Gulati.S Bakshi,BS sandhu ,Varun Kumar and Dr Rajinder Singh Chauhan
12	324990 and 14 November 2019	499/DEL/2010, 05 March 2010	Novel method for production of sea buckthorn wine and wine thereof.	Biotechnology and Bioinformatics Dr. Gargi Dey, Dr. Bharti Neg
13	329887 and 22/01/2020	1940/DEL/2012	An economical and improved isolation process of antitumor triterpenoid <i>Lantedene b</i> from weed <i>Lantana camara L</i>	Biotechnology and Bioinformatics & Pharmacy Manu Sharma and S S Kumar
14	327618 and 18th Dec 2019	551/DEL/2012	Isolation and purification of <i>Picroside-I</i> AND <i>Picroside--II</i>	Biotechnology and Bioinformatics Hemant Sood ,V.Kumar & RS Chauhan
15	304824 and 21st December, 2018	139/DEL/2011	Process of production of cellulase and pectinase from herbal industry residue	1. Biotechnology and Bioinformatics 2. Ayurvet Limited Sudhir Kumar, Mamta Kumari, RS Chauhan, K Ravikanth

16	302295 and 22nd October, 2018	2867/DEL/2011, 4th October, 2011	An improved process of conversion of <i>Lantadene A</i> and <i>B</i> to reduced <i>Lantadene A</i> and <i>B</i> "	Biotechnology and Bioinformatics & Pharmacy Manu Sharma and SSKumar
17	295996 and 23rd April, 2018	163/DEL/2009, 29 Jan. 2009	A process of enriching the amount of medicinal compound <i>Picroside -1</i> in shoots of medicinal herb of <i>Picrorhiza kurroa</i>	Biotechnology and Bioinformatics Hemant Sood & RS Chauhan
18	326997 and 09 December, 2019	292/DEL/2010, 11 Feb. 2010	Gene markers for selection and development of high oil content <i>Jatropha</i> .	Biotechnology and Bioinformatics R. S. Chauhan , A. Sharma and P. Sood
19	251481 and 20th March, 2012	12161/DEL/2007	A Novel Dye composition prepared from plant parts of <i>Lawsonia inermis</i> (Henna) and the method of preparation thereof.	Biotechnology and Bioinformatics C. Tandon , A. Chaudhary , S. Gupta and S. Jain

Patents published: 14

S. No.	Application no. & Date of Publishing	Title	Department and Inventors
1	202211043849 May 19, 2023	Construction of multi gene dsRNA expressing construct for silencing target genes of <i>Venturia inaequalis</i> , causal organism of apple scab	Biotechnology and Bioinformatics Suhani Bhagta, Sundaresha Siddappa, Anil Kant
2	202311029769 May 26, 2023	Method of Fabrication and arrangement of Anti-Glare Glass for Avoiding accidents of Road	Biotechnology and Bioinformatics Archit Kaushal, Shruti Jain, Sudhir Kumar, Aman Sharma, Saurabh Rawat
3	202311039260 June 08, 2023	Machine Learning-Based Method for classifying Alzheimer's Disease Associated Genes	Biotechnology and Bioinformatics Rohit Shukla and Tiratha Raj Singh

4	202411004565 February 09, 2024	Aromatic Herbal Formulation For Dementia Management through OLfactory Induction	Biotechnology and Bioinformatics Sirina Kalia, Naina Puri, Khushboo Pandey, Hemant Sood and Udayabanu M
5	202411006017 February 09, 2024	Sustainable Water Filtration System using Banana Pseudostem-derived Membranes	Biotechnology and Bioinformatics Swastik Manibhushan Mondal, Abhishek Chaudhary, JitendraaVashistt, Sudhir Kumar, Sandhya Tegta, Purba Kundu, Tanvi Chadha
6	202411019524 April 12, 2024	A method for producing tissue-grown <i>Swertia chirayita</i> -based formulation for curing diabetes and cancer	Biotechnology and Bioinformatics Rolika Gupta and Hemant Sood
7	202411032279 May 10, 2024	Utilization of Biogas Spent Slurry as binder for Pine Needles Biofuel briquettes/Pellets	Biotechnology and Bioinformatics Anup Kumar Sinha, Ashish Kumar, Sudhir Kumar
8	202411035405 May 17, 2024	Polyherbal Gel Formulation for Treating Diabetic Foot Ulcer	Biotechnology and Bioinformatics Udayabanu Malairaman, Diksha
9	202411039825 June 07, 2024	Biodegradable Fungal Based Bio-composite Sheet(FBBS) for Sustainable Materials Manufacturing	Biotechnology and Bioinformatics Manisha Sharma, Jata Shankar, Kannu Priya, Ashok Kumar Nadda
10	202411045713 June 21, 2024	Biodegradable Keratin-Based Biocomposite for Dye Removal From Wastewater	Biotechnology and Bioinformatics Sanskriti Sauhta, Megha Mourya , Ashok Kumar Nadda
11	202411050496 July12, 2024	Biodegradable Biopolymeric Film Derived from Chicken Feathers for Sustainable Packaging	Biotechnology and Bioinformatics Piyush Kumar Kesharwani, Megha Mourya, Ashok Kumar Nadda

12	202411053689 July 26, 2024	AI and ML-based Driver Behavior Monitoring System for Enhanced Accident Prevention	Biotechnology and Bioinformatics Hridhima Sen, Vaibhav Sharma, Tanish Mahajan, Diksha Hooda, Jata Shankar
13	1631/DEL/2012 and 25, July 2014	“INDITECH - A novel bioreactor	Biotechnology and Bioinformatics Shivam Sharma, Hemant Sood and RS Chauhan
14	396/DEL/2013 and 29, August 2014	Automated computer aided diagnosis using chest X-ray.	Biotechnology and Bioinformatics Rout C., Chauhan A., Chauhan, R.S., Chauhan, D.

Patent Filed: 01

S. No.	Application no. & Date of Filing	Title	Department and Inventors
1	202411055233 July 19, 2024	Biodegradable Composite Sponge from Microalgal Biomass for Green Packaging and Water Treatment Applications	Biotechnology and Bioinformatics Kriti Sharma, Ashok Kumar Nadda

Design Registrations: 02

S.No	Design Application no.	Date of Publishing	Title	Department and Inventors	Journal Date
1	417682-001 Cbr no : 208803	May 22, 2024	Phytoreactor	Biotechnology and Bioinformatics Shivam Sharma and Hemant Sood	Journal No is 27/2024 and Journal Date is 05/07/2024
2	319983-001 Cbr no: 14079	25 – 07- 2019	Movable biogas reactor	Biotechnology and Bioinformatics Karm Dass, Ankur Choudhary, Ashish Kumar, Sudhir Kumar	Journal No : 02/2023 and Journal Date : 13/01/2023