



3.4.2

LIST OF PATENTS GRANTED/PUBLISHED IN THE NAME OF FACULTY
MEMBERS OF THE UNIVERSITY DURING LAST FIVE YEARS
(2018-23)

A. Ushra
19/04/2023

Registrar

कुल सचिव

Usha Martin University

उषा मार्टिन विश्वविद्यालय

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List of Patents Granted/Published in the Name of Faculty Members of the University during Last Five Years (2018-23)

S. No.	Name of the Faculty/Student Author of the Patent	Title of Patent	Patent Number	Date of Award/Published	Status	Patent Awarding Agency
1	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Composition of an Organoarsenic Compound with Increased Fungicidal Activity	20 2023 104 628	12-9-2023	Granted	The German Patent and Trade Mark Office (DPMA)
2	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Novel Organoarsenic Composition and its Anti Fungal Effectiveness against Pathogenic Fungi	20 2023 104 626	12-9-2023	Granted	The German Patent and Trade Mark Office (DPMA)
3	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Composition of a Heterocyclic Bismuth Compound for Biomedical Applications.	20 2023 104 620	12-9-2023	Granted	The German Patent and Trade Mark Office (DPMA)
4	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Composition of New Organobismuth (iii)-Compounds	20 2023 104 619	4-9-2023	Granted	The German Patent and Trade Mark Office (DPMA)
5	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Formulation of New Organoantimon as a Fungicide and its Synthesis	20 2023 104 247	28-8-2023	Granted	The German Patent and Trade Mark Office (DPMA)

6	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	A New Antifungal Composition and its Synthesis	20 2023 104 202	22-8-2023	Granted	The German Patent and Trade Mark Office (DPMA)
7	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Formulation of a New Arsenic as an Antibacterial Agent and its Synthesis	20 2023 104 470	21-8-2023	Granted	The German Patent and Trade Mark Office (DPMA)
8	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	Biomedical Composition of a New Arsenic-Containing Compound as an Antitumor agent and its Synthesis	20 2023 104 469	21-8-2023	Granted	The German Patent and Trade Mark Office (DPMA)
9	Dr. Debaprasad Dev, Dr. Iti Goatia, Dr. Ravi Kant, Rojalini Samanta , Dr. Dinesh Kumar Sharma, Suraj Sharma	New Antibacterial Composition and its Synthesis	20 2023 104 040	21-8-2023	Granted	The German Patent and Trade Mark Office (DPMA)
10	Mrs.Nagapurkar Swati, Dr. Boi Basanta Kumar Reddy, Dr. Lubhan Singh, Dr. Chirag Goda, Rashmi kumari, Neha Nupur, Divya Shikha , Puja kumari	Advanced Intra- Nasal Drug Delivery Device	6294371	13-7-2023	Granted	Intellectual Property Office, U.K.
11	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Arsenical as Antitumor and Its Synthesis Thereof	202311026703	26-05-23	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

12	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	Antifungal Efficacy of A Novel Arsenical and Its Synthesis Thereof	202311026657	26-05-23	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
13	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Arsenical as Antibacterial and Its Synthesis Thereof	202311026656	26-05-23	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
14	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Antitumor and Its Synthesis Thereof	202311026421	19-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
15	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	Novel Organoarsenic as Fungicides and Its Synthesis Thereof Novel Organoarsenic as Fungicides and Its Synthesis Thereof	202311026681	19-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
16	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Organoantimony as Fungicides and Its Synthesis Thereof	202311026419	19-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
17	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Antifungal and Its Synthesis Thereof	202311026418	19-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

18	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	A Novel Antibacterial and Its Synthesis Thereof	202311026412	19-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
19	Dr. A. Muralidhar Rao, Mr. Dashpute Sanket Narendra, Ms. Paromita Chowdhury , Ms. Swati Patil, Ms. Preeti Shahu, Dr. Sachin Tyagi, Dr. Ujashkumar Shah, Mrs. P. Indhumathy, Miss. Gayatri Anil Pandit, Miss. Gayatri Sandip Sonawane, Mr. Mukesh Kumar Bhardwaj, Ms. Abhale Shubhangi Macchindra	A Method for Detecting the Presence or Amount of Nucleic Acids of A Microorganism Selected From Enterococcus Faecium	202341027915	5-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
20	Dr. Arempula Sreenivasa Rao, Shobana. G, B. Padma Vijetha Dev, Maria Sahaya Diran D, Mrs. L. Rachel, Dr. R. Swaminathan, Dr. Sripriya Arunachalam, Dr. Mohammad Amir Khusru Akhtar	An Artificial Intelligence (AI) Network Based-Host Intrusion Detection System for IOT Devices	202341029324	5-5-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

21	Mr. Darla Raju, Ms. Priyanka Jaiswal , Ms. Shivangi Sangal, Ms. Nisha Kumari Singh, Mr. Vivek Kumar Pradhan, Ms. Shivangi , Mr. Prabhat Kumar, Mr. Saurabh Sharma, Dr. Ujash kumar Shah, Dr. Sweety Lanjhiyana, Dr. S.K. Lanjhiyana, Dr.D.Ravi Prakash	Synthesis of Bicyclic Nucleosides and Nucleotides Compounds for the Treatment and Prevention of Infectious and Proliferative Disease	202341005197	24-2-2023	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
22	Dr. Dinesh Kumar Sharma, Dr. Ravi Kant, Dr. Sailesh Narayan , Dr. Debaprasad Dev, Dr. Suraj Sharma, Dr. Iti Goatia	Novel Organobismuth as Antimicrobial and its Synthesis Thereof	202211067705	9-12-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
23	Viveka Nand Sharma , Ms. Aishwarya Arya, Dr. Arvind Hans , Mr. Ankit Kumar, Mr. Arvind Chauhan, Mr. Rakesh Chauhan, Mr. Shobhit Singh, Dr. Sarika Takhar, Mr. Saurabh Tripathi, Mr. Shivansu Sachan	Artificial Intelligence Based 360-Degree Performance Appraisal System	202231063320	11-11-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
24	Dr Arun Gautam, Bidisha Roy, Viveka Nand Sharma , Dr. Arvind Hans , Dr. Manoj Kumar Mahto, Prof. Subhasis Maiti, Prof Dr Manoj Srivastava, Shobhit Singh, Dr. Sarika Takhar,	Artificial Intelligence-Based Data Authentication for Cyber Security of Hotel's Property Management System Using Deep Learning	202211059652	28-10-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

	Ankit Prakash, Vikas Sharma					
25	Dr. Prashant Tiwari, Dr Juhi Dubey, Mrs. Shweta Singh, Urvashi Sharma, Dr. Anamika Saxena, Baljeet Kaur, Dr. Aditya Parashar, Dr. Nansri Saha, Dr. M. Gnana Ruba Priya, Anchal Verma, Dr Sailesh Narayan , Ganesh Prasad Patel	Artificial Intelligence Based Hydrophobic Drug Delivery Through Liposomal Formulation for Treating Cancer	202221051177	28-10-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
26	Dr Abhilasha Mittal, Mohd. Ali, Gulshan Rathore, Bipin Kumar Verma, Jyoti G. Wagh, Divya Pathak, Sailesh Narayan	Diterpenic Gabdane Galactofuranosides: Isolation & Characterization	202211034684	1-7-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
27	Ritushree Narayan	Fixed Focal Point Convex Mirror Solar Water Heater Integrated With Embedded Solar Power Generation (Design Method)	202031046929	29-4-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
28	Viveka Nand Sharma , Shailendra Kumar Rai, Souvik Sarkar, Rohit Bisht, Devashish Pandey, Pawan Ailawadi	Artificial Intelligence-Based Hotel Industries Inventory Management System and Methodology	202231011457	8-4-2022	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

29	Dr. Bhola Chourasia, Dr. Ajit Kumar Singh, Dr. Pankaj Kumar Tyagi, Dr. Sudhanshu Verma, Prof. Deepak Kumar, Mr. Viveka Nand Sharma , Mr. Shailendra Kumar Rai, Mr. Vimal Kumar, Dr. Sumit Kumar Biswakarma, Dr. Suvojit Ganguly, Dr. Jyotiprasad Kalita	Customer Satisfaction Evaluating System	202231009022	11-03-22	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
30	Dr. Ritushree Narayan, Dr. Arvind Hans	Process Design for Recycling of Greywater by Using Corn Cob as an Adsorbent	202131052167	10-12-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
31	Dr. Ritushree Narayan, Dr. Arvind Hans	Gel Formulation for Promoting Growth of Plant and Method for Preparation Thereof	202131044082	22-10-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
32	Dr. Lopamudra Satapathy , Dr. Manjari	Eco- Friendly Biofertilizers Composition for Plant Growth	202131035729	17-9-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
33	Usha Martin University & Mangalayatan University	Comb	349145-001	8-9-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
34	Mr. Dilip Kumar Ranjan	Street Cleaner Robot	202131037630	03-09-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

35	Ms. Karuna Kumari, Mr. Mohan Maheshwari	Rechargeable Portable Mist Fan With Solar Panel	202131035877	03-09-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
36	Mr. Lokesh Kumar, Mrs, Shweta	Foot Step Mobile Charging	202131035731	03-09-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
37	Dr. Md. Amir Khusru Akhtar	Digital Photo Frame with Projector and Digital Clock	202131035730	03-09-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
38	Usha Martin University	Ro Stand with Disposable Storage Unit Ro Stand With Disposable Storage Unit	348757-001	2-9-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
39	Usha Martin University	Pen Holder with Tissue Stand	348755-001	2-9-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
40	Usha Martin University & Mangalayatan University	Notebook Cover with Pen and Eraser Holder	348752-001	2-9-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
41	Mr. Nanda Shakti, Mr. Rajpal Singh	Solar Charged Unmanned Aerial Vehicle (UAV)	202131035875	27-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

42	Dr. Sharmishtha Roy, Mr. Amit Kumar Upadhyay	AI Based Chatbot for Educational Industry	202111035733	27-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
43	Mr. Ashutosh Kumar, Mr. Mohan Maheshwari	Stair Climbing Mechanism to Lift Load Over Stairs	202131033684	20-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
44	Dr. Sailesh Narayan, Mr. Devendra Singh	Composition for treating and Preventing Neurodegenerative Disorders and Methods of Synthesis Thereof	202131033181	20-08-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
45	Dr. Jagesh Kumar Ranjan	Automatic Vegetable Cutting Machine	202131032987	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
46	Prof. B. N. Dubey	Hybrid Solar Cooling System	202131032983	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
47	Mr. Arjun Kumar	Solar Ship	202131032980	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
48	Dr. Ritushree Narayan, Mr. Amit Kumar Upadhyay	Automatic Car Parking System and Method	202131031660	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

49	Mr. Manish Kumar, Mr. Mohan Maheshwari	Flood Detection and Alerting System and Method Thereof	202131031041	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
50	Dr. Abhishek Pandey, Mr. Abhishek Kumar Gupta	IOT Based Health Monitoring System	202131031040	13-8-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
51	Usha Martin University & Mangalayatan University	Brush Box with Pop-Up Groove	347072-001	31-07-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
52	Usha Martin University	Double Decker Tray	346838-001	27-07-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
53	Usha Martin University & Mangalayatan University	Multistorage Kitchen Jar with Cap	345871-001	07-07-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
54	Usha Martin University & Mangalayatan University	Cooler with Extra Tank	345870-001	7-7-2021	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
55	Usha Martin University & Mangalayatan University	Cup With Tea Bag Hook & Holder	345869-001	07-07-21	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India

56	Prof. (Dr.) Prasant Kumar Pattnaik, Dr. Suneeta Mohanty, Dr. Sharmistha Roy	An Unmanned Ariel Vehicle based Method and System for Patrolling over Search and Rescue Area	202031041280	16-10-2020	Published	Office of the Controller General of Patents, Designs & Trade Marks, Government of India
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