

**PATENTS FILED, PUBLISHED AND GRANTED TO THE FACULTY MEMBERS
2017-2019**

S. No	Patent	Inventors	Date of Publication
1	Anti-obesity Agents, compositions and Process for Preparing the Same	Dr. Sanjay Sharma Dr. Ketan Hatware Dr. Ashwini Deshpande	29/06/2018
2	Novel Anticoagulant Agents, Composition and Process for The Preparation Thereof	Dr.Sanjay Sharma Dr. Ashwini Deshpande Dr.R.S.Gaud Dr. Ketan Hatware	14/09/2018
3	Novel Anti tubercular drug crystal Mesosphere	Ms. Monika Ola Mr. Bhaskar Rajveer Dr.Sanjay Sharma Dr.Sanjay Surana Dr. Veena S.	16/11/2018
4.	Processes for fabrication of micro needle thereof	Sainath Sindhikar, Dr. Dinesh Kumar Mishra, Dr. Sanjay Sharma	Provisional Filed 02/01/2019
5.	Method of preparing a dietary supplement and formulation thereof	Dr. Sanjay Sharma Dr. Sushil Kumar Ms. Mamta Choudhary	Completed Specification Filed 08/08/2019
6	Antidiabetic composition comprising fractions of fresh cow urine and process for the same	Dr. Veerma Ram Dr. Anil Bhandari, Dr. Sanjay Sharma, Dr. Tarun Jain Dr. Ratendra Kumar	Granted under section 43 of the Indian patent act awaiting NBA approval
7.	Sulforaphane loaded site-specific polymeric nanoparticles for colon cancer: in-vitro cytotoxicity and in-vivo studies	Ms. Apeksha Saraf Dr.Mayank Sharma Dr. Nidhi Dubey Dr. Nitin Dubey	19/04/2019
8.	Development of taste masked stable oral thin film of Solifenacin.	Shirish Deshpande Ravipati Eswar Sairam Nidhi Prakash Sapkal Anwar Daud	Provisional filed 22 / 4 / 2019
9.	Novel taste masked oral thin film of Solifenacin	Shirish Deshpande Ravipati Eswar Sairam Nidhi Prakash Sapkal Anwar Daud	Provisional filed 22 / 4 / 2019

10.	Benzamide, N,N'-1,6-hexanediybis [3,4-dihydroxy-] ,novel Anti-tuberculosis Agent.	Shirish Deshpande	Provisional filed 22 / 4 / 2019
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**PATENTS FILED, PUBLISHED AND GRANTED TO THE FACULTY MEMBERS
(2020-2021)**

Sr. No.	Name of the Author/s	Patent No. & Country	Title of the Patent	Status of the patent	Date / Year
1.	Dr. Mohit, Dr. Sushil Kumar, Dr. Lalit Singh, Amit Kumar Verma, Dr. Yogesh Murti, Dr. Jagdish Kumar Sahu , Dr. Amit Semwal	Application No. (202011050685, INDIA)	Derivatives 7-Hydroxy-4-Methyl Coumarin	Filed	04/12/2020
2.	Balaramnavar VM, Bonde CG , Bonde SC , Bhole RP, Khurshid A, et al	IN 202111002831 India	Discovery of imatinib a drug for treating coronaviridae family of virus	Published	12 /02/ 2021
3.	Balaramnavar VM, Bonde CG , Bonde SC , Bhole RP, Khurshid A, et al	IN 202111004187, India	Discovery of ((3s,4r)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methyl 4-methylbenzenesulfonate for treating tuberculosis	Published	12 /02/ 2021
4.	Balaramnavar VM, Bonde CG , Bonde SC , Bhole RP, Khurshid A, et al	IN 202111005768 India	Discovery OF (3S,4R)-4-(4-fluorophenyl)-1-methyl-3((trityloxy)methyl)piperidine for treating tuberculosis	Filed	11 /02/ 2021
5.	Kumar, Ashok ; Sharma, Karuna ; Saraf, Apeksha ; Sharma, Mayank ; Mukherjee, Saurabh	202110135/ Australia	NANOCARRIERS FOR TREATMENT OF BREAST CANCER	Filed	16/03/2021
6.	Dr. Sanjay Sharma Dr. Dinesh Kumar Mishra Dr.Pankaj Dixit	202121009047	Apparatus and method for studying absorption kinetics of chemicals across everted and normal intestine pieces of laboratory animals	Complete specification filed	04/03/2021
7.	Balaramnavar VM, Bonde CG , Bonde SC , Bhole RP,	202111005767	Discovery of Pimavanserin Tartrate For Treating Tuberculosis	Filed	12/02/2021

	Khurshid A, et al				
8.	Balaramnavar VM, Bonde Chandrakant , Bonde Smita , Bari Sanjay, Khurshid A, et al	202111005766 & India	Discovery Of Rohitukine For Treating Tuberculosis	Filed	11/03/2021
9.	Dr. Sanjay Sharma Dr. Dinesh Kumar Mishra Sainath Sahebrao Sindhika Dr.Pankaj Dixit	202121017236 A	Process for fabrication of laboratory scale microneedles	Published in The Patent Office Journal No. 17/2021 Dated 23/04/2021	23/04/2021
10.	Dr. Sanjay Sharma Dr. Dinesh Kumar Mishra Dr.Pankaj Dixit	202121009047A	Apparatus and method for studying absorption kinetics of chemicals across everted and normal intestine pieces of laboratory animals	Published in The Patent Office Journal No. 14/2021 Dated 02/04/2021	02/04/2021
11.	Kumar, Ashok; Sharma, Karuna; Saraf, Apeksha; Sharma, Mayank and Mukherjee, Saurabh	2021101355, Australia	Nanocarrier for treatment of breast cancer	Granted	28/04/2021
12.	C.G. Bonde, S.C. Bonde , M. Sharma, S.B. Bari, V.Balramwar et al	<u>2021103070</u> AUS Patent	A novel composition for treatment of tuberculosis	Filed	03/06/2021
13.	Kartik Nakhate, Hemant Badwaik, K Sakure, Msharma, Ajazuddin	344963-001	Systematic Cannulation Device	Application Filed and Under Process	18/06/2021
14.	Nakhate, Kartik; Badwaik, Hemant;Ajazuddin,	2021104019, Australia	A system to detect stress and its impact on the development of obesity and type 2 diabetes.	Filed	09/07/2021

15.	Suresh Kumar, Renu Saharan, Dr. Abhishek Tiwari, Dr. Jagdish K. Sahu et al	2021105736, Australia	Synthesis, characterization and biological evaluation of Cyclo-octapeptide, Cyclogossine B (77)	Filed	18/08/2021
16.	Gyanesh Sahu, Harish Sharma, CD Kaur, Ajazuddin , Swarnali Das Paul	202121035944, Indian Patent	Development of bioflavonoids loaded nanoparticles for anticancer activity	Filed	09/08/2021
17.	Gyanesh Sahu, Harish Sharma, CD Kaur, Ajazuddin , Swarnali Das Paul	202121035943, Indian Patent	Nano Delivery System of a Chemotherapeutic Agent With Herbal Bioenhancer	Filed	09/08/2021
18.	Dr Chandrakant Bonde, Dr Smita Bonde, Dr Mayank Sharma	2021103977 Australian Patent	Synthesis of novel antitubercular Agents	Granted	25/08/2021
19.	S. Das, G. Indra, A. Srinivas, D. Sinha, Kannan K, R Jayashree,.M , B. Keerthi Priya, Saurabh Maru , JK Sharma, P. Bhambri, RR Dangji, N. Mahato	2021105401, AUS	Intelligent Drug Quality Control Analysis System and method based in Machine Learning	Granted	25/10/2021
20.	S. Maru, Dr. S. Belemkar	2021107487, Australia	Poly-herbal formulation to improve lactation	Granted	15/12/2021

**PATENTS FILED, PUBLISHED AND GRANTED TO THE FACULTY MEMBERS
2022-23**

Sr. No.	Name of the Author/s	Patent No. & Country	Title of the Patent	Status of the patent	Date / Year
1.	Bonde, Smita; Sharma, Mayank; C.B Bonde , Piyush Ghode	Australia/: 2021103070	Synthesis Of Novel Anti-tubercular Agents	Granted	16-03-2022
2.	Dr. Sankha Bhattacharya	401116	An Indian patent titled "preparation and evaluation of	Granted	7/11/2022
3.	Shikha Sharma, Dr. Jagdish K Sahu, Dr. Gurdeep Singh, Dr. Sanjeev K Sahu, Anurag Agrawal	202211052475A, INDIA	Indian Patent	Published	9/23/2022
4.	Dr. Mahesh Kumar Gupta Mr. Debashis Purohit Ms. Subhashree Choudhury Ms. Mazma Begum Dr. Lubhan Singh Mrs. Shainda Laeeq Dr. Manish Pathak Mr. Biswajeet Acharya Dr. Ketan Vinayakrao Hatware Dr. Umama Tehreem	202211075189, India	The detection of varied EEG pattern signal for chronic migraine patients	Published	12/24/2022
5.	Mr. Suhas Suresh Agey	202221051170, India	Machine learning based approach to predict the various myelosuppression agent that can be used along with hydroxyurea in improving the condition of sickle cell anemia	Published	9/7/2022
6.	Mr. Suhas Suresh Agey	202211053620, India	Artificial intelligence-based approach to study the impact of topical nano adjuvants for eradication of skin cancer	Published	9/20/2022
7.	S.B.Bagade, Dipika Patil and D. D. Patil	TEMP/E1/3988/2023-MUM INDIA Ref. / App. No. 202321003555	A GEL PREPARATION WITH HERBAL COMPOSITION FOR ORAL HYGIENE AND A PROCESS FOR PREPARATION THEREOF	Provisional Filed	1/18/2023
8.	Dr. Chandrakant Bonde, Dr. Devendra Kumar, Dr. Smita Bonde,	202321030376 & Indian	Silylation of castor oil for the pharmaceutical use	Filed	4/27/2023
9.	Dr. Abhishek Kanugo, Rutik Jukti	202321039741, India	Dr. Abhishek Kanugo, Rutik Jukti	Filed	9th June 2023
10.	Bonde, Smita; Sharma, Mayank; C.B Bonde , Piyush Ghode	Australia/: 2021103070	Synthesis Of Novel Anti-tubercular Agents	Granted	16-03-2022

**PATENTS FILED, PUBLISHED AND GRANTED TO THE FACULTY MEMBERS
2023-24**

Sr. No.	Name of the Author/s	Patent No. & Country	Title of the Patent	Status of the patent	Date / Year
1.	Dr. Abhishek Kanugo	202321044242, India	Solid lipid nanoparticles of ambrisentan and method of its preparation	Filed	9 th July 2023
2.	Dr. Abhishek Kanugo	202321050359, India	Oral thin film of Ambrisentan for treating cardiovascular complications and preparation method thereof	Filed	26 th July 2023
3.	Dr. Abhishek Kanugo	202321044242, India	Solid lipid nanoparticles of ambrisentan and method of its preparation	Filed	9 th July 2023
4.	Vishal Gokul Beldar	202321065369, India	Development of Efficient and Scalable Method for the Extraction and Isolation of Anthraquinone Glycoside	Published	27/10/2023
5.	Devendra Kumar	Application no. 202321030376	Silylation of castor oil for the pharmaceutical use	Filed	9/6/2023
6.	Devendra Kumar	--	Development of smart blood brain barrier permeable polymer for delivery of CRISPR in Alzheimer's disease.	Filed	15/12/2023
7.	Vishal Gokul Beldar	398903-001, India	HOT AND COLD PLATE ANALGESIA METER	Granted	4th January 2024
8.	Vishal Gokul Beldar	399113-001, India	PORTABLE/MODIFIED CLEVENGER APPARATUS	Granted	5th January 2024
9.	Vishal Gokul Beldar	202321084350, India	A DEVICE FOR PERFORMING DRY COLUMN VACUUM CHROMATOGRAPHY AND A METHOD THEREOF	Published and Under Examination	5th January 2024
10.	Vishal Gokul Beldar	402425-001, India	SINGLE COLUMN - DRY COLUMN VACUUM CHROMATOGRAPHY APPARATUS	Granted	25th January 2024
11.	Vishal Gokul Beldar	400928-001, India	SOLAR DRYER FOR HERBAL AND FOOD MATERIALS	Granted	02 nd February 2024
12.	Vishal Gokul Beldar	401505-001, India	MULTI-STATION DISINTEGRATION APPARATUS	Granted	12 th February 2024
13.	Vishal Gokul Beldar Dr. Payal Dande	396581-001, India	Portable Soxhlet Apparatus	Granted	21 st February 2024
14.	Vishal Gokul Beldar (+6)	404158-001, India	DERIVATIZING REAGENT DISPENSER FOR THIN LAYER CHROMATOGRAPHY	Granted	7 th March 2024

15.	Vishal Gokul Beldar (+7)	398725-001, India	PORTABLE/COMPACT UV-VIS CABINET FOR TLC ANALYSIS	Granted	15 th March 2024
16.	Dr. Ashwani Mishra	537546, India	A formulation for hair removal and the method of Preparing the same	Granted	15 th March 2024
17.	Dr. Shashikant Bagade(+1)	Design application number 6338310 / U. Kingdom	Design: Portable Semiauto analyzer for Finding Lab Test	Granted	18-Jan-24
18.	Dr. Mahaveer Singh, Dr. Suman Rohilla, Mr. Saurabh Maru, Dr. Deepak Sharma		Equipment for microwave assisted Synthesis of chemical compounds	Granted	5th April, 2024
19.	Dr.Sankha Bhattacharya .Ms. Disha Atul Shah	540259 India	A Method For Treatment Of Colorectal Cancer By Synthesis Of Novel Enzalutamide (Enz) Formulation And Encapsulate In Polymeric Nanoparticles (Nps) Uked	Granted	5/30/2024