

## Patents Filed/Published

Title of Patent	Patent Application Number	Patent Type (Published / Granted)	Patent Grant Number	Name of Inventor
<b>Academic year 2021-22</b>				
Caffeine-soyaphosphatidyl choline complex and its applications thereof	TEMP/E-1/62332/2021-MUM	PER Submitted	-	Dr. Santosh S. Chhajed
Natural oil based nail polish remover composition	2.01721E+11	Granted	369716	Dr Nilima A. Thombre
Herbal Nutritional filled chocolate and composition thereof	2.01721E+11	Granted	397008	Dr. Sanjay J. Kshirsagar
Formulation of nanoparticles laden in situ gel for treatment of dry eye disease	202121027260A	Granted	486669	Dr. Sanjay J. Kshirsagar & Dr. Umesh D. Laddha
A nasal Efavirenz nanosuspension formulation for the targeted drug delivery in Neuro-AIDS	2.02121E+11	Granted	467539	Dr. Smita P. Kakad
Fabrication of surface modified nanoparticles of PPAR-GAMMA Agonist for noninvasive treatment of diabetic retinopathy	202121027264A	Granted	458439	Dr. S. J. Kshirsagar and Dr. Umesh D. Laddha
An edible prebiotic film and its preparation	2.02221E+11	Published	-	Dr. Gitanjali Deokar

A method of preparation of Embelia Tsjeriam Cottam for preliminary and phytochemical studies	2021106614	Granted	2.02E+09	Dr. Umesh D. Laddha
Artificial Intelligence based Automatic smart Health care system to prevent, accurate detection and classification system to diagnose bone cancer at early stage using Image processing and Deep Learning Algorithms	2.02341E+11	Published	-	Ms. Saniya Bhalerao
Artificial Intelligence based Automatic smart Health care system to prevent and predict the colorectal cancer and breast cancer for all	2.02341E+11	Published	-	Ms. Saniya Bhalerao
<b>Academic Year 2022-23</b>				
Distributed AI image processing & IoT based Elephant Herd	2.02341E+11	Published	-	Ms. Saniya Bhalerao
Artificial intelligence based automatic system for detection and prevention of unhealthy region of plant leaves using image processing	2.02341E+11	Published	-	Ms. Saniya Bhalerao
Internet of things (iot) and ai protocols for context aware anonymity authentication with an emphasis on e-health applications	2.02321E+11	Published	-	Ms. Saniya Bhalerao
Compositions comprising salicin for hepatoprotective use	TEMP/E-1/82571/2022-MUM	Apply	-	Dr. Pavan B. Udavant

Compositions comprising combination of herbal ingredients useful for alleviating symptoms of dysmenorrhea	2.02321E+11	Filed	-	Dr. Smita P. Kakad
IoT and cloud-based Drone Technology for Sustainable Agriculture to monitor soil analysis for field planning, crop monitoring, irrigation management, crop health assessment, livestock monitoring, and disaster management, transporting goods using Machine Learning Algorithms	2.02341E+11	Published	-	Ms. Saniya Bhalerao
Artificial Intelligence and IoT based Automatic Yoga Pose detection and Training system to provide systematic Yoga	2.02311E+11	Published	-	Ms. Saniya Bhalerao
Probiotic infused roll on formulation to alleviate symptoms of diabetic	TEMP/E-1/30387/2023-MUM	Provisionally Filed	-	Ms. Saniya Bhalerao
Formulation with prebiotic, probiotic, postbiotic & protein for improving gastrointestinal health and immunity	2.02321E+11	Provisionally Filed	-	Ms. Saniya Bhalerao
Pseudowood composition and its use	2.02221E+11	Filed	-	Dr. Gitanjali Deokar
Synthesis of fluconazole analogues containing 1,2,4-triazole moiety as antifungal agents	TEMP/E-1/1424/2023-MUM	Published	-	Dr. Rani Kankate

Synthesis, Characterization and Evaluation of Substituted Benzimidazole Derivatives Bearing 1-[(4-phenyl)carbonyl] piperazinyl alkyl moiety for Antipsychotic Activity	TEMP/E-1/32961/2023-MUM	Published	-	Dr. Rani Kankate
Indomethacin derivatives as multitargeting agent for alzheimer's disease management and process for synthesis	202211065309 A	Granted	491697	Dr. Dinesh D. Rishipathak
<b>Academic Year 2023-24</b>				
Development of Soya Milk Based Clotrimazole Vaginal Wash and Method of Preparation Thereof	TEMP/E-1/52580/2023-MUM	Published	-	Dr. Moreshwar P. Patil
A Nanocrystal of Olmesartan Medoxomil (OLM)	2.02321E+11	Published	-	Dr. S. P. Ahirrao, Dr. Deep[ak S. bhambere, Dr. Umesh D. laddha, Mrs. Sarika V. Patil, Mrs. Suchita Y. Shirsath, Ms. Devyani P. Chavan, Mr. Piyush Ingale, Mr. Mayur Sawant, Ms. Rupali Kanade

Enhancement of transecorneal penetration and sustained release of timolol melete from developed and optimized in situ gel with better safety profile	2679/MUM/2014	Granted	472620	Dr. Umesh D. Laddha
Benzimidazole piperazine based antipsychotic compounds and method of preparation thereof	TEMP/E-1/32961/2023-MUM	Published	-	Dr. Rani S. Kankate
Sensor based robot for UV-C disinfection	6296264	Granted	6296264	Ms. Saniya Bhalerao