

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE





About the SDG Goal 9:

SDG 9: Industry, Innovation, and Infrastructure

Sustainable Development Goal 9 (SDG 9) aims to build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation. This goal underscores the vital role of infrastructure, industrial development, and innovation in driving economic growth, job creation, and environmental sustainability.

Key Targets of SDG 9

- **Infrastructure Development**
Develop quality, reliable, sustainable, and resilient infrastructure, including transportation, water and sanitation, energy, and ICT. These efforts aim to enhance access to essential services and improve regional and global connectivity.
- **Sustainable Industrialization**
Promote inclusive and sustainable industrial growth by increasing the share of industry in employment and GDP, in line with national circumstances. Focus on enhancing value addition in manufacturing and other productive sectors.
- **Innovation and Research**
Expand access to financial services, technology, and research, while fostering entrepreneurship and innovation as key drivers of industrial progress and sustainable development.
- **Resource Efficiency**
Upgrade infrastructure and modernize industries to increase resource efficiency

and reduce environmental impact through the adoption of sustainable technologies and practices.

- **Technological Capacity-Building**

Strengthen scientific research and technological capabilities, especially in developing countries, to boost industrial productivity and drive innovation.

- **Access to ICT**

Improve access to information and communication technology, particularly in underserved regions, to enhance digital inclusion, connectivity, and access to knowledge.

OUR CONTRIBUTIONS TO INFRASTRUCTURE:

Outstanding infrastructure built in the serene campus with the extent of about 6.2 acres dedicated exclusively for the Pharmacy discipline makes the teaching-learning process a pleasurable experience. The entire campus including the residential facilities is Wi-Fi enabled with uninterrupted power and water supply. 24x7 functioning state-of-the-art laboratories facilitate quality research in pharmaceutical sciences and practice. To mention a few

- Pilot plant for the manufacture and quality control of solid dosage forms
- Laboratories for
 - Design and development of advanced drug delivery systems
 - Computer Aided Drug Design (CADD)
 - Herbal formulation and development
 - Plant tissue culture
 - Pharmaceutical characterization, analytical/bioanalytical techniques using LC-MS-MS, LC-MS, HPLC, HPTLC, FTIR, AAS, Cyclograph
 - Pre-clinical studies with CPCSEA-approved animal house, equipped with iBox Scientia small animal imaging system
- Pharmaceutical microbiology, biotechnology and genomics equipped with RT-PCRPhoenix Winnonlin software for data analysis of PK-PD, IVIVC, BA/BE studies
- Drug and Poison Information Centre

The other facilities include

- Smart/ICT enabled class rooms

- Simulation Labs
- Model Pharmacy
- Library with more than 10,000 print and digital resources
- About 100 national and international journals subscribed in print and hundreds of e-journals through 'Clinicalkey' database managed by Elsevier
- Residential facilities on campus for about 600 students and 30 staff members
- Indoor/outdoor sports facilities
- Multipurpose auditorium
- Health Centre and Pharmacy in the campus

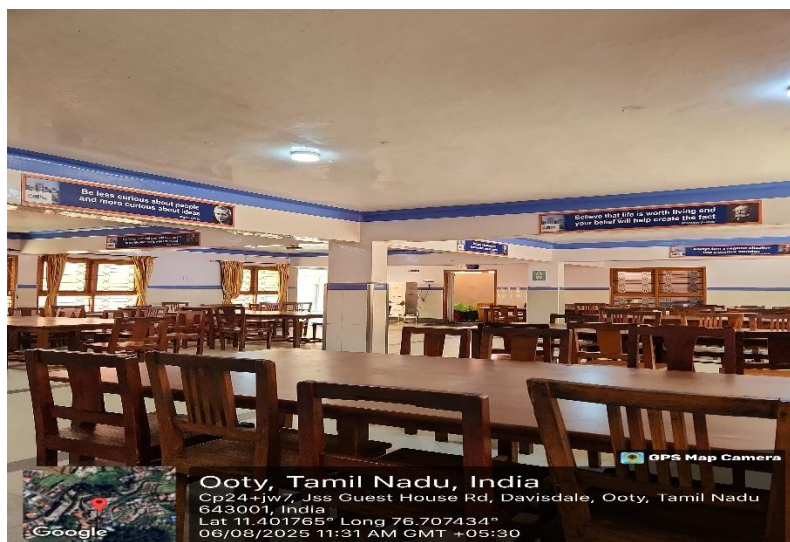
Infrastructure of Campus

Work Completed

- i). Flooring upgradation with tiles in the boys & girls' hostel
- ii). Replacing of windows with UPVC in the staff quarters near main gate
- iii). Installation of roof sheet behind auditorium building
- iv). Upgradation of bathroom & toilets in the girl's hostel
- v). Construction of additional playground for boy's hostel students near guest house
- vi). Replacement of old lift with new one by OTIS, Coimbatore.
- vii). Providing and Fixing of New CPVC pipeline from sump to OHT in the campus of JSS CPO

Work in Progress

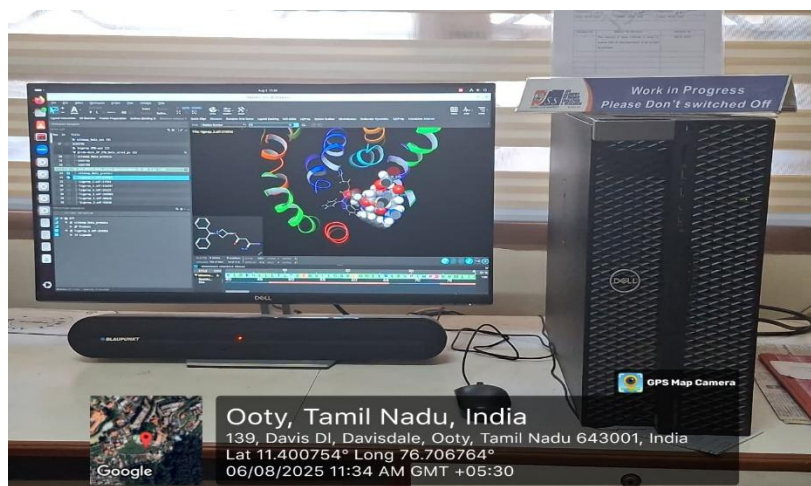
- i). Construction of SSM retaining wall from Girls hostel to old STP.
 - Fencing work is in progress, the ramp work to be started.
- ii). Internal & External painting work for the campus buildings by Nippon paints, Mysuru is in progress.
- iii). Work estimation for Renovation/modification of animal house in Dept. of Pharmacology (Rs. 26.0 L)



Smart Class Rooms



Work Station for Drug Design



RESEARCH AND INNOVATIONS:**PATENTS****Department of Pharmaceutics**

Title of Patent	Patent/ Application No.	Name of Inventor(s)	Status	Date
Folate-conjugated polymeric gold nano rod for colorectal Cancer	202441079323	Gowthamarajan, Kuppusamy Sharma, Saloni Sudhakar, Swathi Sindhu, Priya Prabhu, Ashwini Jayachandran, Venkatesan Karri, Veera Venkata Satyanarayana Reddy Bharat Kumar Reddy, Sanapalli	Filed	18.10.2024
Statin loaded Polymeric Nanoparticles	202441102701	K Gowthamarajan	Filed	24.12.2024
Doxycycline hyclate conjugated V7T1 Aptamer formulation for colon cancer	202441078114	Ms Aishwarya Reddy R Dr R Sureshkumar	Filed	15.10.2024
A sustained release matrix tablets for	557064	D. Nagasamy Venkatesh	Granted	30.12.2024

treating herpes simplex and a process for formulating the same		SN Meyyanathan SP Dhanabal		
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Dept. of Pharmaceutical Chemistry

Title of Patent	Patent/ Application No.	Name of Inventor(s)	Status	Date
Development of LC - MS/MS Method for the Separation and Quantification of Imeglimin Enantiomers.	202441051009	1. B. Gowramma. S. N. Meyyanathan. B. Babu and Sangamithra	Filed	26.02.2024

Department of Pharmacy Practice

Title of Patent	Patent/ Application No.	Name of Inventor(s)	Status	Date
Lyophilized Orange Juice Tablets	202441053850	Deepalakshmi M Shanmugam R Subhajit	Filed	05.07.2024

Title of Patent	Patent/ Application No.	Name of Inventor(s)	Status	Date
Folate-conjugated	202441079323	Gowthamarajan, Kuppusamy	Published	30.05.2025

polymeric gold nano rod for colorectal Cancer		Sharma, Saloni Sudhakar, Swathi Sindhu, Priya Prabhu, Ashwini Jayachandran, Venkatesan Karri, Veera Venkata Satyanarayana Reddy Bharat Kumar Reddy, Sanapalli		
Statin loaded Polymeric Nanoparticles	202441102701	Gowthamarajan Kuppusamy, Kalaiselvi, Indhumathi, Imrankhan, Akshay	Published	30.05.2025

Dept. of Pharmaceutical Chemistry

Title of Patent	Patent/ Application No.	Name of Inventor(s)	Status	Date
A Method of Synthesis of Thiazine- substituted 9- anilinoacridines for Inhibition of Breast Cancer Targets	202541025783A	1. Dr. Kalirajan Rajagopal, Ms. Baliwada Aparna, 2. Dr. Gowramma Byran, 3. Dr. Gomathi Swaminathan, Mr. Kannan Raman,	Published	29- 03- 2025

		4. Ms. Vanam Priyanka,		
		5. Dr. G. Sowjanya		

PUBLICATIONS:

Research findings were published in various national and international reputed journals, and also presented in various national and international conferences. Staff and students (PG and research scholars) of JSSCPO, conduct and attend research-leading conferences every academic year.

List of Publications 2024-2025

1. Pachiyappan JK, Patel M, Roychowdhury P, Nizam I, Seenivasan R, Sudhakar S, Jeyaprakash MR, Karri VV, Venkatesan J, Mehta P, Kothandan S. A review of the physiological effects of microgravity and innovative formulation for space travelers. Journal of Pharmacokinetics and Pharmacodynamics. 2024 Aug 20:1-6.(**IF: 2.2**) (**Scopus**) (**WoS**)
2. Muralidhara A, Aasaithambi K, Nizam I, Srinivasan A, Chidambaram SB, Krishnamurthy PT, Madhunapantula SR, Thimmulappa R, Reddy KV, Kuppusamy G. Understanding the Complex Interplay of Epigenetic Factors in Atherosclerosis: A Review. Trends in Sciences. 2024 Oct 1;21(11):8576-.(**Scopus**)
3. Navanita SK, Karri VN, Yoganandam GP, Shanker K, Raj PV. From a global perspective towards an integrated approach for ophitoxaemia. Journal of Natural Remedies. 2024 Jul 1;24(7).(**Scopus**)
4. SivanathanG, Rajagopal, S., Mahadevaswamy, G, Angamuthu, G., & Dhandapani, N. V. (2024). Pharmaceutical Nanocrystals: An Extensive Overview. International Journal of Applied Pharmaceutics, 16(6), 1–9.(**Scopus**)
5. Krishnan, V., Elango, V., Sam Jenkinson, S. H., Muthukumar, B., Dhanraj, S. R., & Venkatesh, D. N. (2024). Aquasomes Unveiled: Transforming Drug Delivery With Cutting-Edge Therapeutic Carriers And Recent Breakthroughs. International Journal of Applied Pharmaceutics, 16(5), 67–76.(**Scopus**)

6. Suresh kumar. Enhancing Colorectal Cancer Treatment Precision: Doxycycline Hyclate and V7t1 Aptamer for MMP-2 Inhibition and VEGF Targeting Innovation. Latin American Journal of Pharmacy. 43 (6): (2024)(**Scopus**)
7. Krishnan J, Poomalai P, Ravichandran A, Reddy A, Sureshkumar R. A Concise Review on Effect of PEGylation on the Properties of Lipid-Based Nanoparticles. ASSAY and Drug Development Technologies. 2024 Jun 3.(**I.F: 1.6**) (**Scopus**) (**WOS**)
8. Ravichandran A, Reddy RA, Varshini MS, Sureshkumar R. Natural Innovations in Hyperpigmentation Treatment: The Potential of Egg Shell Membrane and Quercetin. TWIST. 2024 Nov 22;19(4):262-70.(**Scopus**)
9. Chinraj V, Reddy RA, Selvaraj J, Sureshkumar R. Design, Synthesis and In Vitro Evaluation of Levodopa Stearic Acid Hydrazide Conjugate for the Management of Parkinson's DiseaseNovel Conjugate for Parkinson's Disease. Drug Research. 2024 Feb;74(02):60-6.(**I.F: 1.7**) (**Scopus**) (**WOS**)
10. Sivaprakasam S, Natarajan J, Singh J, Rajesh M. Current Challenges and Emerging Therapies in the Treatment of Gout. Current rheumatology reviews. 20(2); 2024.(**IF: 1.2**) (**Scopus**) (**WoS**)
11. Anjali PB, Jawahar N, Kumar MR, Jubie S, Selvamuthukumar S. Exploring the Anticonvulsant Properties of a Celecoxib-Phospholipid Conjugate: Synthesis, Activation, and Evaluation of Cytotoxicity. Drug Research. 2024 Jul;74(06):296-301.(**IF: 1.7**) (**Scopus**) (**WoS**)
12. Ahmed SS, Baba MZ, Wahedi U, Koppula J, Reddy MV, Selvaraj D, Venkatachalam S, Selvaraj J, Sankar V, Natarajan J. Oral delivery of solid lipid nanoparticles surface decorated with hyaluronic acid and bovine serum albumin: A novel approach to treat colon cancer through active targeting. International Journal of Biological Macromolecules. 2024 Nov 1;279:135487.(**I.F: 7.7**) (**Scopus**) (**WOS**)
13. Monisha R, Jawahar N, Singh J, Shanthini S. An Encompassing Review on Therapeutic Targets, Therapies and Nanostructure Based Formulations for Atopic Dermatitis. International Journal of Pharmaceutical Sciences and Nanotechnology (IJPSN). 2024 Aug 15;17(4):7519-51. (**Scopus**)
14. Kandasamy NC, Veintramuthu S, Nagamony P, Anthomy J, Santhanam R, Natarajan J. Fabrication and in vitro Evaluation of Biotin Conjugated Iron Oxide Nanoparticle for Breast Cancer Therapy. International Journal of Pharmaceutical Investigation. 2024 Oct 1;14(4).(IF: 0.4) (**Scopus**) (**WoS**)

15. Marimuthu A, Seenivasan R, Pachiyappan JK, Nizam I. Synergy Of Science And Tradition: A Nanotechnology-Driven Revolution In Natural Medicine. *International Journal of Applied Pharmaceutics*. 2024;16(6):10.(**Scopus**)
16. Seenivasan R, Marimuthu A, Pachiyappan JK, Ganesh GN. Integrating Organ-on-Chip Models In Drug Discovery: A Comprehensive Review on Innovations and Implications. *Current Pharmaceutical Analysis*. 2024 Oct 29.(**IF: 0.7**) (**Scopus**) (**WoS**)
17. Mahaboob S, Kp A, Rajendran S, Ganesh G. Evaluation Of Population Pharmacokinetics Of Oral Digoxin In Venous Plasma. *Int J App Pharm*. 2024;16(5):416-22.(**Scopus**)
18. Seenivasan R, Pachiyappan JK, Murthannagari VR, Ganesh GN. Optimizing Metformin HCl manufacturing: A Six Sigma approach to assess process capability. *Journal of Applied Pharmaceutical Science*. 2024 Jun 7. (**Scopus**)
19. Suresh P, Murthannagari VR, Krishnan GG, Shivashankar N, Mullaiventhan T. Advancing Pediatric Healthcare: Legislation, Clinical Trials, and Technological Innovations in Drug Development. *International Journal of Pharmaceutical Investigation*. 2024 Jul 1;14(3).(**IF: 0.4**) (**Scopus**) (**WoS**)
20. Selvaraj K. Innovative Nanoscale Drug Delivery Strategies for Breast Carcinoma: A Comprehensive Exploration. *Current Drug Metabolism*. 2024 Jul;25(6):391-402. (**IF: 2.1**) (**Scopus**) (**WoS**).
21. Pillai RK, Illankovan VR, Kumarasamy V, Reddy S, Gowtham K, Dhanasekaran M, Subramaniyan V. Understanding Strongyloides Stercoralis infection and its relationship to chronic alcohol abuse: Understanding pathogenesis and therapeutic strategies. *Toxicology Reports*. 2024 Dec 1;13:101754. (**Scopus**) (*Jointly with Auburn University, USA*)
22. Jayakumar D, Pachiyappan JK, Roychowdhury P, Kuppusamy G, Jeyaprakash MR, Karri VV, Venkatesan J, Mallick S, Tagde P, Shaikh NK, Khan FS. The impact of cardiovascular deconditioning in space: A review. *Acta Astronautica*. 2024 Oct 10. (**IF: 3.1**) (**Scopus**) (**WoS**) (*Jointly with King Khalid University, Saudi Arabia*).
23. Sanapalli V, Haque MA, Sanapalli BK, Karri VV, Mondal TK, Barai P, Islam MR, Farahim F, Ali T, Barai HR, Roy M. Nanoparticles for Delivering Micro and Macromolecules for the Management of Diabetic Wounds. *Cell Biochemistry and Function*. 2024 Dec;42(8):e70006. (**IF: 2.8**) (**Scopus**) (**WoS**) (*Jointly with NMIMS, Mumbai*).

24. Narukulla S, Bogadi S, Tallapaneni V, Sanapalli BK, Sanju S, Khan AA, Malik A, Barai HR, Mondal TK, Karri VV, Alexiou A. Comparative study between the Full Factorial, Box–Behnken, and Central Composite Designs in the optimization of metronidazole immediate release tablet. *Microchemical Journal*. 2024;207(11187):5. **(IF: 4.9) (Scopus) (WoS)** (*Jointly with King Saud University, Saudi Arabia*)
25. Bogadi S, Malayandi R, Raj PV, Kumar PS, Parvathaneni M, Kundu MK, Islam MR, Khan FS, Tagde P, Mondal TK, Alexiou A. Silk fibroin and sericin: Multifunctional formulations for treating diabetic wound healing. *European Polymer Journal*. 2024 Sep 15:113465. **(IF: 5.8) (Scopus) (WoS)** (*Jointly with NIPER, Hajipur*)
26. Akey Krishna Swaroop, Esakkimuthukumar Mariappan, Saranya RajanBabu, Chandru Mani, Sowbarnika Sundaram, Sudharsan Jeyaprakash, Dhanush Vadivel1, Thangavelu Prabha and Jubie Selvaraj.Exploring Potential Bioactive Components of *Persea americana* for the Treatment of Rheumatoid Arthritis through Network Pharmacology. *Current Rheumatoid reviews*.doi: 10.2174/0115733971294872240801113559.1. **(IF:1.2) (Scopus) (WoS)**
27. Esakkimuthukumar Mariappan, Gokula Krishnan Thiruselvan, Sam Harrison Sam Jenkinson, Saravana Kumar Chellaperumal Appavoo, Suranther Krishnamoorthi, Akey Krishna Swaroop and Jubie Selvaraj. Identification of new chemical entities as VHL inhibitors for diabetic wound healing. *Bulletin of Pharmaceutical Research* 2024;14(2):185. **(Non index)**
28. Sinjini Das, Gowramma Byran,Kaushik Biswas and Kalirajan Rajagopal, .UnderstandingTankyrase Inhibitors and Their Role in the Management of Different Cancer. *Current Cancer Drug Targets*. 2024.10.2174/0115680096329753241015114119. **(IF:2.3) (Scopus) (WoS)**.
29. Praveen Kumar Patel, Preeya Negi, Sowmiya Arun, Kaviarasan Lakshmanan, Gowramma Byran, Kalirajan Rajagopal and Gomathi Swaminathan.Anticancer Activity of Novel 1,3,4-oxadiazole Derivatives against PARP-1 Inhibitors: An *In-silico* Approach. *Current bioactive compounds*. 2024. DOI: 10.2174/1573407219666230825103621.**(Scopus)**
30. Yokkesh M, Vishal Pranav A.S, Sarah C, Vinethmartin J, Sowmiya A, Gowramma B, Kaviarasan L A Brief Review-an Update on 1,3,4-Oxadiazole. *Current Bioactive compounds*. 10.2174/0115734072318215240916073812. **(Scopus)**.

31. Byran Gowramma, Subhranil Mandal, Kaviarasan Lakshmanan, Silpa RS, Sowmiya Arun, Kalirajan Rajagopal and Vinethmartin Jacob Stanley, PARP1 Inhibitors: An Important Part in Cancer Treatment.. Current Bioactive compounds. 10.2174/0115734072325763241119063140. **(Scopus)**.
32. Mr Mohammad Zubair Baba, Jagdish Chand, Umair Wahedi, PotlapatiVarakumar, Koppula Jayanthi, Mohammed Azeemuddin, Talha Bin Emran, Firzan Nainu, Dr Gomathy Subramanian. Investigation of Scutellariabaicalensis for Potential Neuroprotective Effect on the Treatment of Parkinsons Disease. International Journal of Applied Chemistry 2024, 14(2). **(Scopus)**.
33. Gomathy Subramanian, Jagdish Chand, Aryan, Dr Srikanth Jupudi, Mr Mohammad Zubair Baba Year[2024]. Network Pharmacology Approach and Molecular Docking Prediction to Investigate the Possible Mechanism of Benzylidene Derivatives Against Scavenging Rea. Biointerface Research in Applied Chemistry. 2024, 14 (2), 48-69. **(Scopus)**.
34. Gomathy Subramanian, Amarjith TK, Jagdish Chand, Mohammed Zubair Baba. Is SIRT3 and Mitochondria a Reliable Target for Parkinson's Disease and Aging? A Narrative Review. Molecular Neurobiology. <https://doi.org/10.1007/s12035-024-04486-w>. **(IF:5.59) (Scopus) (WoS)**
35. Obi Reddy Chabala, Simon Haque Md, Durai Ananda Kumar Thirumoorthy, Stability-Indicating Liquid Chromatographic Method Development for the Simultaneous Determination of Amitriptyline Hydrochloride and Propranolol Hydrochloride in Tablet Dosage Form, *Journal of Chromatographic Science*. 2024, 63 (1), bmae060, <https://doi.org/10.1093/chromsci/bmae060>. **(IF:1.5) (Scopus) (WoS)**
36. Kannan Raman, Rajagopal Kalirajan, Fahadul Islam, Srikanth Jupudi, Divakar Selvaraj, Gomathi Swaminathan, Laliteshwar Pratap Singh, Ritesh Rana, Shopnil Akash, Md. Rezaul Islam, Firzan Nainu, Talha Bin Emran, Turki M. Dawoud, Mohammed Bourhia, Musaab Daelbait, and Rashu Barua. Phytoconstituents of Citrus limon (lemon) as potential inhibitors against multi targets of SARS-CoV-2 by use of Molecular Modelling and in-vitro determination approaches, *Chemistry Open*, 2024, e202300198 DOI: 10.1002/open.202300198 **(IF:2.5) (Scopus) (WoS)**. *(Jointly with Department of Pharmacy, Faculty of Pharmacy, Hasanuddin University, Indonesia)*

37. Rishabh Khare, Kalirajan Rajagopal, Srikanth Jupudi, Preeya Negi, Anuj Kumar Singh, Mohamed H Nafady, Talha Bin Emran, Rashu Barua, Firzan Nainu, Comparative Binding Pattern Analysis of 5-MeO-DMT and 6-MeO-DMT Against 5HT_{2A} Receptor Employing Molecular Docking, MMGB-SA, and Molecular Dynamics Studies, *Letters in Applied NanoBioScience*, 2024, 13(2), 99 <https://doi.org/10.33263/LIANBS132.099> **(Scopus)** (Jointly with Misr University for Science and Technology, Diabetes and Obesity Research Center, New York)
38. Kalirajan Rajagopal, Pandiselvi Arumugasamy, Kannan Raman, Srikanth Jupudi, Gowramma Byran, Jeetendra Kumar Gupta, S. Prema, Rani S. Kankate, Lamyae Elansari, Nazmul Hossain, Md. Abul Hassan, Safia Obaidur Rab, Mohammed Ali Alshehri, Talha Bin Emran, Identifying Potent Breast Cancer Inhibitors Against ER α Target Using Pharmacophore model, 3D-QSAR and MD studies. *Chemistry Select.* 2024, doi.org/10.1002/slct.202401099, 9, e202401099. **(IF:1.9) (Scopus) (WoS)** (Jointly with State University of Bangladesh, Bangladesh).
39. Neha M. Mhetre, Aniket L. Bhatambrekar, D. Priya, Venkatesan Saravanan, Muthukumaradoss Kathiravan, Krishna S. Shevate, Kalirajan Rajagopal, Kalyani D. Asgaonkar, Trupti S. Chitre, Rational design of some 1,3,4 trisubstituted pyrazole-thiazole derivatives to serve as *MtInhA* inhibitors using QSAR, ADMET, molecular docking, MM-GBSA and molecular dynamics simulations approach, *Chemical Physics Impact*, 2024, 9 100769, <https://doi.org/10.1016/j.chphi.2024.100769>. **(IF: 3.8) (Scopus) (WoS)** (Jointly with AISSMS College of Pharmacy, Maharashtra; SRM College of Pharmacy, Chennai)
40. Arpita F. Hiremath, Pradeep Kumar M. R., Kalirajan Rajagopal, Rashu Barua, Safia Obaidur Rab, Mohammed Ali Alshehri and Talha Bin Emran. Imidazole-Based Metal Complex Derivatives: A Comprehensive Overview of Synthesis and Biological Applications. *Medicinal Chemistry*, 2024, DOI: 10.2174/0115734064332208241015154509. **(IF:1.9) (Scopus) (WoS)** (Jointly with KLE College of Pharmacy, Hubli)
41. [Parameswaran, D.](#), [Thangavelu, S.](#), [Selvaraj, J.](#), [Veerasamy, R.](#), [Thangavelu, P.](#) Design, Synthesis, and *in vitro* Evaluation of Derivatives of Quinoxaline-2One as a Myeloperoxidase Modulator Using *in silico* Methods. *Current Bioactive*

Compounds, 2024, 20(8), pp. 1–11, e221123223712. **(Scopus)**. (Jointly with AIMST University, Malaysia).

42. S. Dilipkumar V. Karthik, Shanmuganathan Dk, Byran Gowramma and Kaviarasan Lakshmanan. In-silico screening and molecular dynamics simulation of quinazolinone derivatives as PARP1 and STAT3 dual inhibitors: a novel DML approaches Journal of biomolecular structure and dynamcis. 2023. <https://doi.org/10.1080/07391102.2023.2259476>. **(I F: 2.7)**, **(Scopus)** (Jointly with Satyabhama Institute of Science and Technology, Chennai)
43. Padmini Karnatham, Srikanth Jupudi, Sujatha Dodoala. Investigating the Analgesic Effect of Flavonoid Rich Fraction from Pteris quadriaurita: Evidence from In-silico, In-vitro and In-vivo Studies. International Journal of Pharmaceutical Quality Assurance. 2024; 15(2):880-888. **(Scopus)**. (Jointly with Institute of Pharmaceutical Technology, Tirupati)
44. Deepika N P, Praveen Thaggikuppe Krishnamurthy, Magham Sai Varshini, Mudavath Ravinaik, Deepak Vasudevan Sajini, Ammu V V V Ravikiran, Kusuma kumari Garikapati Basavan Duraiswamy, Rohit Sharma, Ethnopharmacological validation of Karkataka Taila An edible crab Rasayana in Rotenone- induced invitro and Invivo models of Parkinsons disease, J Ethnopharmacology, 2024, Dec 5, 335:118691. doi: 10.1016/j.jep.2024.118691. **(IF:4.8) (Scopus) (WoS)**
45. Magham Sai Varshini, Ramakkamma Aishwarya Reddy, Praveen Thaggikuppe Krishnamurthy, Ashish Wadhwani, Harmony of Wnt pathway in Alzheimers navigating the multidimentional progression from preclinical to clinical stages, [Neuroscience & Biobehavioral Reviews](#). 2024,165, 105863. **(IF:7.5) (Scopus) (WoS)**
46. Mamtakumari, Piyong sola, Mudhavath Ravinaik, Hanumant Singh Rathore, Ashish kumar Shukla, Aquib Iqbal Dar, Ammu V V V Ravikiran, Kusuma Kumari Amithabh Acharya, Praveen Thaggikuppe Krishnamurthy, Targeted Delivery of DAPT using dual antibody functionalised solid lipid nanoparticles for enhanced antitumor activity against triple negative breast Cancer, [International Journal of Pharmaceutics](#). 2025 [670](#), 125142. **(IF:5.3) (Scopus) (WoS)**

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48. Muralidhara. Kaliselvi Asai Thambi, Imran khan Nizam, Asha Srinivasan, Saravanababu Chidamabaram, Praveen T K, V Subburao Madunapantula, Rajesh Thimmulappa, KV V S Narayanareddy, Gowthamrajan K, Understanding the complex interplay of Epigenetic factors in Atherosclerosis : Review, Trends in Sciences. 2024, 21(11), 8576. <https://doi.org/10.48048/tis.2024>. **(Scopus)**
49. Athuru Supriya, Ammu V. V. V. Ravi Kiran, and Praveen Thaggikuppe Krishnamurthy, Adipokine Modulation in Endometrial hyperplasia by polyunsaturated fatty acids, Journal of Pharmacology and Pharmacotherapeutics, 2024, 15 (3). **(Scopus)**.
50. Magham Sai Varshini, Ramakkamma Aishwarya Reddy, Praveen Thaggikuppe Krishnamurthy* and Divakar Selvaraj, Rational Design of Dual inhibitors for Alzheimers disease: insights from computational screening of BACE1 and GSK-3 β , Curr Comput Aided Drug Des. 2024, 20(6), 998-1012. doi: 10.2174/011573409927025623101807200, **(IF:1.5) (Scopus) (WoS)**
51. Sai Varshini Magham, Lalith Kumar M, Praveen T. Krishnamurthy, Neenu Shaji, Aishwarya Reddy Ramakkamma, Purinergic receptor(P2X7R): A promising Anti Parkinson Drug Target, Adv Pharm Bull. doi: 10.34172/apb.43206. **(IF:3.1) (Scopus) (WoS)**
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53. Harshini Magesh Kumar, Vadivelan Ramachandran, Tharani Mohanasundram, Iswarya bilineni, Study on Acute Dermal Irritation of Mangiferin Hydrogel in Rabbits, TWIST, 2024, 19 (3), 219-221. **(Scopus)**
54. Dhritman Roy, Shivaramakrishnan B , Prajwal P Kunte, Jawahar Natarajan, Piyaong Sola, Emdormi Rymbai, Praharshkumar M R, Roflumilast loaded

- nanostructured lipid carriers attenuate oxidative stress and neuro inflammation in parkinsons disease model, J Drug Target. 2025 Jan, 33(1), 127-142. doi: 10.1080/1061186X.2024.2408724. Epub 2024 Oct 1. **(IF:4.3) (Scopus) (WoS)**
55. Deepa Sugumar, Emdormi Rymbai Divakar Selvaraj, Harnessing androgen receptor : Revolutionising diabetes treatment in men with selective androgen receptor modulators , Medical Hypothesis, Vol 190, September 2024, 111427, **(IF:2.1) (Scopus) (WoS)**
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Dr. Gomathi S



Dr. Kousalya S



Principal

PRINCIPAL
J.S.S. COLLEGE OF PHARMACY
Rockland's, Ootacamund - 643 001