



MALLIGE COLLEGE OF PHARMACY

#71, SILVEPURA, CHIKKABANAVARAPOST, BANGALORE-560090

(Recognized by PCI, New Delhi, RGUHS, Bangalore,

NAAC accredited, ISO 9001:2015 Certified)

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Publications and Conference Presentations

- 1 Nallapeta A, Shivally BS, Kalyanappa MS, Abburu JR, Ravandur SC, Diwakar D, Easwaradas KG. Eletriptan HBr-loaded solid lipid nanoparticle-integrated microneedles: a targeted and minimally invasive approach for migraine management. *Journal of Drug Targeting*. 2026;1-14.
- 2 Bhavya R, Sandur VR. Pharmacological modulation of immunosenescence and inflammaging: senolytics, senomorphics, and emerging therapies. *Immunological Investigations*. 2026;1-26.
- 3 Jeevitha KB, Ashvini HM, Mariya Sanjana A. Formulation and evaluation of a phytosomal gel containing *Punica granatum* leaf extract. *International Journal of Biology, Pharmacy and Allied Sciences*. 2026;15(6):2960-2975.
- 4 Sanjana A, Mariya, Ashvini HM. Pregabalin-loaded transferosomal gel for enhanced topical delivery in peripheral neuropathy: formulation, in vitro and ex vivo evaluation. *Drug Development and Industrial Pharmacy*. 2026;52(7):1307-1320.
- 5 Chandana R, Ashvini HM. Formulation and evaluation of azithromycin loaded chitosan nanoparticles for its antibiofilm activity. *Journal of Biomaterials Science, Polymer Edition*. 2026;1-19.
- 6 Girija GS, Ashvini HM, Chandana R. Formulation and evaluation of film-forming gel containing aceclofenac for topical drug delivery system. *Biochemical and Cellular Archives*. 2025;25(2):2001-2007.
- 7 Divya Shree MB, Ashvini HM, Rashmi HR. Formulation and evaluation of herbal emulgel of *Mentha piperita* leaves extract for wound healing. *Indian Journal of Natural Sciences*. 2025;16(91):98514-98528.
- 8 Sumanth, US Suma. Formulation and evaluation of ketoconazole-loaded transethosomal gel. *Indian Journal of Natural Sciences*. 2026;17(96):114064-114076.
- 9 Lavanya AC, Desai BR, Sheeba FR. Enhancement of zaltoprofen solubility in fast-dissolving tablets via solid dispersion techniques using various carriers. *International Journal of Biology, Pharmacy and Allied Sciences*. 2026;15(1):351-366.
- 10 Sheeba FR, Mahesha BS, Deepak HK. A comprehensive review of green approaches to drug solubility enhancement. *Drug Development and Industrial Pharmacy*. 2025;51(7):659-669.
- 11 Sheeba FR, Varun N. Formulation and evaluation of poly herbal face wash tablets: a novel approach for skin health improvement. *Biochemical and Cellular Archives*. 2025;25(2):1697.



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- 12 Shreya L, Suma US, Zohmingliani R. Recent advances in oral in situ gel drug delivery system: a polymeric approach. *Drug Development and Industrial Pharmacy*. 2025;51(12):1639-1649.
- 13 Loni S, Suma US, Zohmingliani R, Sumanth S. A review article on transethosomes: revolutionizing drug delivery through transdermal patches. *Drug Development and Industrial Pharmacy*. 2025;51(7):691-701.
- 14 Varun S, Keerthy HS. Innovative strategies in the formulation and applications of mouth dissolving films for enhanced oral drug delivery. *Drug Development and Industrial Pharmacy*. 2025;9:1-10.
- 15 Zohmingliani R. Formulation and characterization of nitrofurantoin-loaded nanosponges. *Biochemical and Cellular Archives*. 2025;25(1):1851.
- 16 Patel TVA, Sheeba FR. A review on: microemulgel for topical drug delivery system. *International Journal of Biology, Pharmacy and Allied Sciences*. 2024;3(6):2737-2748.
- 17 Shetty CK, Sheeba FR. Stomach specific novel floating in-situ gel for sustained drug delivery: overview. *Research Journal of Pharmacy and Technology*. 2024;17(6):2990-2996.
- 18 Chaudhary S, Sheeba FR, Yadav RP, Mandal KK, Sah R. Formulation and evaluation of xanthan gum based salicylic acid emulgel for enhanced acne treatment. *Biochemical and Cellular Archives*. 2024;24(2):2545-2549.
- 19 Roselet SF, Alshehri S, Das K, Vippamakula S, Khormi AM, Almalki MEM, Ahmad F, Rabbani SI, Asdaq SMB. Synthesis and characterization of mesoporous SBA-15 as carriers to improve the rutin dissolution rate. *Journal of Biological Regulators and Homeostatic Agents*. 2024;38:439.
- 20 Sheeba FR, Chaitra M, Rampur AA, Mahalaxmi M, Sanjana AM, Harshitha S. Formulation and evaluation of poly-herbal toothpowder tablets for enhanced oral health. *Biochemical and Cellular Archives*. 2024;24(2):2101-2105.
- 21 Sheeba FR, Venkatesham A. Comparison of the use of kinetic model plots by DDSolver software to evaluate the drug release from rutin-mesoporous SBA-15 complex. *International Journal of Innovative Research in Technology*. 9(12):127-136.
- 22 Likitha B, Sheeba FR, Kumar Y, Mutta SK, Keerthy HS. Emulgel: a novel topical drug delivery. *Research Journal of Pharmaceutical Dosage Forms and Technology*. 2024;15(2):123-130.
- 23 Lodh H, Sheeba FR. Formulation and evaluation of nifedipine bilayer floating tablets. *Asian Journal of Pharmaceutical Research*. 2023;13(4):244-248.
- 24 Sheeba FR, Gayana PM, Manna S. Machine learning in pharmaceutical formulation development. *Indian Journal of Natural Sciences*. 2023;14(81):66485-66495.



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- 25 Sheeba FR, Venkatesham A, Ananthi JJ. Mesoporous Santa Barbara amorphous for novel drug delivery system. *International Journal of Pharmaceutical Science Invention*. 2023;12(2):11-21.
- 26 Suma US, Udupa S, Mamatha MK. Formulation, evaluation and in-vitro anti-inflammatory activity of herbal suspension. *International Journal of Scientific Development and Research*. 2023;8(2):99-105.
- 27 Gaurav K, Sexena P, Sirswal S, Bhushan B, Kumar N, Nimitha AG, Shree DB, Hamsa GN. Design novel synthetic route of benzoxazole derivatives as in vitro activities. *Journal of Advanced Zoology*. 2023;44:4634-4643.
- 28 Rashmi P, Harish V. Exploring uncharted marine bacteria as a source of novel antimicrobials. *International Journal of Oceanography and Aquaculture*. 2023;7(4):2023.

PRESENTATIONS IN INTERNATIONAL CONFERENCES

- 1 Prabhanjan, Y. P. S., & Sushma, D. R. (2026). *Management of polymicrobial pneumonia-induced septic shock in a geriatric patient with multiple comorbidities: A case report*. Presented at the International Conference on “Latest Advances in Pharmacy Practice”, SJM College of Pharmacy, Chitradurga, India, March 27–28, 2026.
- 2 Vachala, S., & Dinakaran. (2026). *Exploring the angularly fused tricyclic heterocycles as newer antioxidant and anti-inflammatory agents*. Presented at the 1st International Herbal Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.
- 3 Prabhanjan, Y. P. S., & Mamatha, M. K. (2026). *Incorporating NAD⁺ modulation and dietary bioactives into age-related disease management*. Presented at the 1st International Herbal Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.
- 4 Ranjitha, C. J., Rajendra, S. V., & Das, K. (2026). *Phytochemical investigation and neuroprotective potential of Decalepis nervosa in Parkinson's disease: An LC-MS and molecular docking approach*. Presented at the 1st International Herbal Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.
- 5 Birta, D., Keerthy, H. S., & Jose, J. (2026). *Comparative study of solid dispersion and inclusion complex methods for solubility enhancement of valsartan*. Presented at the 1st International Herbal



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Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.

- 6 Varun, S., Keerthy, H. S., & Likhith, D. N. (2026). *Formulation and evaluation of mouth dissolving films containing levocetirizine dihydrochloride using natural and synthetic polymers*. Presented at the 1st International Herbal Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.
- 7 Gayana, P. M., Sheeba, F. R., & Jose, J. (2026). *Formulation and evaluation of herbal in-situ gel from Lantana camara extract for wound healing*. Presented at the 1st International Herbal Conference on “Phytochemicals for Patient-Centred Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences”, Sree Siddaganga College of Pharmacy, Tumkur, India, June 4–5, 2026.
- 8 Bhavya R., Rajendra S. V. presented a paper titled “*Evaluation of Picrorhiza kurroa (Katuki) churna in enhancing the hypolipidemic efficacy of low-dose Atorvastatin in high-fat diet-induced obese rats*” at the International Herbal Conference on Phytochemicals for Patient-Centered Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences, held on 04th & 05th June 2026 at Tumakuru.
- 9 Bindushri H., Dr. Kuntal Das, Deekshith R., Hemanth Gowda V., Likhith D. N., and Pallavi K. R. presented a paper titled “*Phytochemical screening, LC–MS analysis, in-silico and in-vitro cell line study of ethanol seed extract of Coscinium fenestratum for hepatoprotective activity*” at the International Herbal Conference on Phytochemicals for Patient-Centered Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences, held on 04th & 05th June 2026 at Tumakuru.
- 10 Yadav Abhishek K. presented a paper titled “*Preparation and Evaluation of Quercetin Chocolate*” at the International Herbal Conference on Phytochemicals for Patient Centered Care: Phytochemicals for Patient-Centered Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences, held on 04th & 05th June 2026 at Tumakuru.
- 11 Zameer Ahmed M. L. presented a paper titled “*Design, Synthesis and Characterization of Antifungal Activity of 2-Quinolone Substituted Imidazolone*” at the International Herbal Conference on Phytochemicals for Patient Centered Care: Phytochemicals for Patient-Centered Care: Collaborative Approaches in Drug Discovery and Allied Health Sciences, held on 04th & 05th June 2026 at Tumakuru.



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- 12 Mr. Kiran B. K. presented a paper titled “*Comprehensive Review on Phyto and Physicochemical Character and Therapeutic Implementation of AF Grown in Semi-Arid Environment*” at the Advances in Pharmaceutical Science Research Traditional to Novel Approaches, held on 20th & 21st February 2025 at Dattakala Shikshan Sanstha’s Institute of Pharmaceutical Sciences and Research, Maharashtra.
- 13 Mr. Mhatre Sahil Sanjay presented a paper titled “*Evaluation of Analgesic and Anti-inflammatory Activity of Essential Oil Extract from Salvia leucantha in Experimental Animals*” at the Advances in Pharmaceutical Science Research Traditional to Novel Approaches, held on 20th & 21st February 2025 at Dattakala Shikshan Sanstha’s Institute of Pharmaceutical Sciences and Research, Maharashtra.
- 14 Mr. Shivaraj K. S. presented a paper titled “*A Review on Phytochemical and Pharmacological Study on Poisonous Plant of Thevetia peruvina*” at the Advances in Pharmaceutical Science Research Traditional to Novel Approaches, held on 20th & 21st February 2025 at Dattakala Shikshan Sanstha’s Institute of Pharmaceutical Sciences and Research, Maharashtra.
- 15 Mr. Vipul V. Prabhu presented an e-oral paper titled “*Innovations in Sustainable Drug Discovery and Development to Combat the Crisis of Antimicrobial Resistance*” at the 2nd International Conference iCoN ECPT, held on 27th & 28th February 2025 at Eminent College of Pharmaceutical Technology, New Delhi.

PRESENTATIONS IN NATIONAL SEMINARS / CONFERENCES

- 1 Vachala, S. D. (2025). *AI in chemical molecule lead identification*. Presented a session at the National Seminar on “AI in Drug Discovery: Challenges, Opportunities and Strategies”, Sridevi Institute of Pharmaceutical Sciences, Tumkur, India, July 14, 2025.
- 2 Vachala, S. D. (2025). *Advances in modern drug discovery*. Presented a session at the Online Faculty Development Programme on “AI for Translational Medicine: Bridging Bench to Bedside”, Rathinam College of Pharmacy, Coimbatore, India, December 15–20, 2025.
- 3 Abedin, J. I., Sheeba, F. R., & Shabnam, D. (2026). *Formulation and evaluation of interpenetrating polymer network (IPN) hydrogel microspheres for improved delivery of nifedipine*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 4 Meghana, K. J., Sheeba, F. R., & Kumudha, T. R. (2026). *Polyherbal hydroalcoholic microemulgel: A novel topical approach for rheumatoid arthritis management*. Presented at the One-Day National



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Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.

- 5 Shashank, R., Keerthy, H. S., & Varshitha, S. (2026). *Formulation and evaluation of medicated lollipops containing ambroxol hydrochloride and herbal extracts for the treatment of cough, cold, and sore throat*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 6 Das, A., Sheeba, F. R., & Darshini, G. M. (2026). *Novel intranasal in-situ gel system using polyherbals for enhanced nasal decongestion and anti-inflammatory therapy*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 7 Loni, S., Suma, U. S., & Kavana, T. (2026). *Formulation and evaluation of transethosome-loaded transdermal patches containing piroxicam*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 8 Mondal, B., Ashvini, H. M., & Shibili, M. (2026). *Formulation and evaluation of buccal tablets of sumatriptan succinate*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 9 Sunil, U. S., Ashvini, H. M., & Karanaarjuna, D. M. (2026). *Formulation, characterization and evaluation of minoxidil-loaded microballoons*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 10 Nayak, S., Suma, U. S., & Prajwal, A. (2026). *Formulation and evaluation of ketoconazole-loaded transethosomal gel*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 11 Chandana, R., Ashvini, H. M., & Pallavi, K. R. (2026). *Formulation and evaluation of azithromycin-loaded chitosan nanoparticles for anti-biofilm activity*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 12 Reddy, S., Suma, U. S., & Swathi, S. (2026). *Development, characterization and in-vitro diffusion studies of transferosomal gel for antifungal activity*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.
- 13 Sanjana, M. A., Ashvini, H. M., & Supriya, S. A. (2026). *Transferosomal gel for transdermal delivery of pregabalin: Formulation and evaluation*. Presented at the One-Day National Conference on Smart Biomaterials and Next-Generation Drug Delivery Platforms, India, February 20, 2026.