

FACULTY PROFILE



Name: Prof. Vijay Kotra

Designation: Professor

Email: vijayk3@srmist.edu.in

Professional Qualification:

- Ph. D Pharmaceutical sciences
- M. Pharm (Pharmaceutical Chemistry)

Publications (Journals & Conferences): Total 98

1. Panda N, Maity M, Kotra V, Jena BR, Ghose D and Jena GS Quality by design in public healthcare: a rapid development framework for future pandemics, 2026, 29:16451, DOI 10.3389/jpps.2026.1645
2. Erra Shirish, P. Rajeshwar, Dinakar Mallem, Sravanthi Parusha, Apoorva Madem, Indira Pacharla, Vijay Kotra, Long Chiau Ming, Wen Han Chooi, Ching Siang Tan, Amal Suleiman and Sulaiman Al Sultan, A Comparative Study on the Effect of Placebo and Oral Clonidine as a Premedication on Onset and on the Duration of Spinal Anaesthesia with Hyperbaric Bupivacaine, Journal of Pharmacology and Pharmacotherapeutics, Volume 17, Issue 3, September 2026, Pages 388-395, <https://doi.org/10.1177/0976500X251353665>
3. Goriparthi Prathibha, Kotra Sankar Raja Sekhar, Vijay Kotra, Long Chiau Ming, Wen Han Chooi, Khang Wen Goh, Learn Han Lee, Pakhrur Razi, A Hybrid Approach for Classification of Lyme Disease using Deep Convolution Neural Networks and Bandelet Transform, 2025, <https://doi.org/10.21203/rs.3.rs-5197417/v1>
4. Bharathithasan, M., Kotra, V., Abbas, S. A., & Mathews, A. (2024). Review on biologically active natural insecticides from Malaysian tropical plants against Aedes aegypti and Aedes albopictus. *Arabian Journal of Chemistry*, 17(1), 105345.
5. Madem A, Parusha S, Mallem D, et al. Comparing the Effect of Intravenous Tramadol and Intravenous Nalbuphine in Addition to Midazolam for the Control of Shivering after Spinal Anesthesia. *Journal of Pharmacology and Pharmacotherapeutics*. 2024;15(3):264-276. doi:[10.1177/0976500X241262076](https://doi.org/10.1177/0976500X241262076)

6. El Kourchi C, Belhoussaine O, Harhar H, Bouyahya A, Kotra V, Ur Rehman I, Ming LC, Lua PL, Tabyaoui M. Medicinal and aromatic plants traditionally used to treat metabolic diseases in the Rabat region, Morocco. *J Res Pharm.* 2024; 28(4): 1293-1315.
7. Abbas, S. A., Khan, A., Fatima, M., Kalusalingam, A., Kanakal, M. M., Inamdar, S., Vijay Kotra, Bachi, T. (2024). Gas Chromatography-Mass Spectrometry (GC-MS) Analysis of Scaphium Affine Seed Extract and Assessment of Its Anti-hemorrhoidal Efficacy. *Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry*, 23(2), 118-128.
8. Reddy VV, Mallem D, Krishna SR, et al. Perioperative Cardiopulmonary Complications in Smokers and Non-smokers Undergoing Elective Surgery: A Prospective Study. *Journal of Pharmacology and Pharmacotherapeutics.* 2024;15(2):171-182. doi:[10.1177/0976500X241246412](https://doi.org/10.1177/0976500X241246412)
9. Konidala, S. K., Kotra, V., Samineni, R., Shaik, A. R., Rao, L. S. N., Jamullamudi, R. N., & Kola, P. K. (2024). IN SILICO MOLECULAR DOCKING STUDIES OF COUMARIN-CHALCONE HYBRIDS AGAINST SARS-COV-2 MAIN PROTEASE (6LU7). 2024 [INDIAN DRUGS](#) 61(05):24-31, DOI:[10.53879/id.61.05.14441](https://doi.org/10.53879/id.61.05.14441)
10. Atkore T. Sandeep, Raithak V. Pranita, Vijay Kotra, Ansari Akber Siddique, Ansari Aamer Irfan and Varala Ravi, Highly Efficient Bimetallic Catalyst for the Synthesis of N-substituted Decahydroacridine-1,8-diones and Xanthene-1,8-diones: Evaluation of their Biological Activity, *Current Organic Synthesis* 2024; 21 (3). <https://dx.doi.org/10.2174/0115701794265638231114105708>.
11. Moshawih, Said; Hui Poh Goh; Kifli, Nurolaini; Kotra, Vijay; Long Chiau Ming, Insight into application of machine learning in natural products cheminformatics. *Journal of Research in Pharmacy*, 2023, Vol 27, p1-2
12. Ravi Varala, Vijay Kotra, Anil Kumar Kanuri, Mahesh Reddy Burra, Shaik Nyamathullah, Nano drug delivery-benefits, limitations and future perspective, *Nano and Medical Materials* 2023; 3(2): 244. doi: 10.59400/nmm.v3i2.244
13. Varala R, Dubasi N, Seema V, Kotra V. Sodium Periodate (NaIO₄) in Organic Synthesis. *SynOpen.* 2023 Oct;7(04):548-54. DOI: 10.1055/a-2183-3678
14. Akbar A.S. Begum, Raja M.A. Vahith, Mohamed K.V. Mohamed, Vijay Kotra, Baji Shaik, Abdullah Al-Kahtani, Corrosion mitigation on orthodontic wire made of SS 18/8 alloy using esomeprazole tablet (Esiloc-40 mg) in artificial saliva, *Journal of Saudi Chemical Society*, Volume 27, Issue 4, 2023, 101681, ISSN 1319-6103, <https://doi.org/10.1016/j.jscs.2023.101681>
15. M. Mukkanti Eswarudu, A. Lakshmana Rao, K. Vijay. Bioanalytical RP-HPLC Method for Simultaneous Quantification of Rivaroxaban and Ticagrelor in Spiked Human Plasma: Validation and Stability. *Research Journal of Pharmacy and Technology* 2023; 16(6):2741-6. doi: 10.52711/0974-360X.2023.00450
16. N. Dubasi, R. Varala, H.B. Bollikolla, V. Kotra, Applications of Alum (KAl(SO₄)₂.12H₂O) in Organic Synthesis and as Catalysis: A Quinquennial Update (2017-2022). *J. Chem. Rev.*, 2023, 5(3), 263280. <https://doi.org/10.22034/JCR.2023.390191.1217>
17. Pradeep Ramesh Rao T, Ravi Varala, Vijay Kotra, and Jitendra S. Pulle, Synthesis of phthalimide and Naphthalimide derived Biginelli compounds and evaluation of their anti-inflammatory and anti-oxidant activities. *Current Chemistry Letters* 12 (2023) 249–256. doi: 10.5267/j.ccl.2023.1.004.

Awards and Achievements

- Publication Excellence Award from Quest International University, Malaysia
- Associate Fellow, AP Akademi of Sciences.

Workshops/Seminars/FDPs : More than 20

- Resource Person for AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**QBD tools for drug development**" from **13/07/2021** to **17/07/2021** at **Acharya Nagarjuna University**.
- Resource person - Emerging trends in Pharmaceutical Research: From Academia to Industry- FDP 8th to 12th July 2025. Calcutta Institute of Pharmaceutical Technology & AHS, Calcutta.

Work Experience: 20 Years

Professional Memberships:

Member of IPA (Indian Pharmaceutical Association)

Member of Andhra Pradesh State Pharmacy Council.