



Dr. Kavya M

Associate Professor,
Department of Pharmacology
KLE College of Pharmacy
Rajajinagar, Bengaluru

Contact Information

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Academic Positions

Associate Professor, KLE College of Pharmacy | from 4th July 2016 – till date
at Department of Pharmacology

- Pioneer in delivering the lectures, conducting practical sessions
 - Designed course materials, outcomes
 - Consistently achieved excellent student feedback scores for teaching effectiveness and subject clarity
 - Contributed to the NAAC, NBA accreditation process
 - Published 6 peer-reviewed research/review papers in reputed national and international journals
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Education

Doctor of Philosophy (Ph.D.) from KLE Academy of Higher Education and Research, Belagavi, 2025

Dissertation: "Evaluation of extracts of Andrographis paniculata and Adathoda vasica and role of trace elements in Type-II Diabetic animals"

Advisor: Dr. Hariprasad M G

M. Pharm. in Pharmacology, Rajiv Gandhi University of Health Sciences, 2016

Thesis: "Study of nootropic effect of extract of aerial parts of Hygrophla auriculata in diazepam and scopolamine induced amnesic mice and rats"

Advisor: Dr. Ramachandra Setty and Dr. Rajesh M S

Government College of Pharmacy, Bengaluru

B. Pharm. Rajiv Gandhi University of Health Sciences, 2014

Government College of Pharmacy, Bengaluru

Research Interests

- Psychopharmacology
 - Metabolic disorders
 - Computational studies
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Publications

Peer-Reviewed Journal Research Articles (*Published*)

1. Manjunath K, Fayek FH, Sadik S, Nagaraja S, Kurmi SPC, Thapa S. Repurposing Simvastatin and Lovastatin for Colorectal Cancer: An Integrated in-Silico and in-Vitro Study. Natural Product Communications. 2025;20(12). doi:[10.1177/1934578X251404284](https://doi.org/10.1177/1934578X251404284)
2. Shankar Thapa, Sharvendra Nath Maurya, Kavya Manjunath, Ammar A.Razzak Mahmood, Kalpana Devi, Shithin Ann Varghese, Ashish Lamsal, Binaya Tamang, Mahalakshmi Suresha Biradar. LC-MS profiling and multi-target mechanistic insights of Hibiscus rosa-sinensis in diabetes: Network pharmacology, molecular docking, MD simulation, PCA, and in-vitro α -amylase inhibition. Pharmacological Research - Modern Chinese Medicine. Volume 16, 2025, 100636, ISSN 2667-1425, <https://doi.org/10.1016/j.prmcm.2025.100636>.

3. **Manjunath K**, Gugila HM, Ashok P. Exploring the therapeutic potential of *Adathoda vasica* and *Andrographis paniculata* in alleviating diabetic cardiopathy and neuropathy: A study on high-fat diet and low-dose STZ-induced rat model. Res J Chem.2024; 28(6):9-15. DOI: 10.25303/286rjce09015
4. **Manjunath K**, Ashok P, Rajendran R, Hariprasad MG. Effect of Aqueous Ethanolic Extract of *Andrographis paniculata* and *Adathoda vasica* and Role of Trace Elements in Type 2 Diabetic Rat Model. Int. J Pharm Investigation.2023;13(3):526-31. DOI: 10.5530/ijpi.13.3.065.
5. Rajni Yadav, Yogesh Vaishnav, ShekharVerma, Arvinder Kaur, **Kavya Manjunath**, Ashish Pandey. Point of Care diagnostics - Using Nanomaterials as detection probes. Research Journal of Pharmacy and Technology 2023; 16(7):3483-8. doi: 10.52711/0974-360X.2023.00575
6. Yogesh Vaishnav, Laxmi Banjare, Shekhar Verma, Govind Sharma, Deepak Biswas, Arpan Tripathi, Afzal B. Shaik, Richie R. Bhandare, Arvinder Kaur, **Kavya Manjunath**. Computational Method on Hydroxychloroquine and Azithromycin for SARS-CoV-2: Binding Affinity Studies. Research Journal of Pharmacy and Technology2022; 15(12):5467-2. doi: 10.52711/0974-360X.2022.00922.

Peer-Reviewed Journal Review Articles (*Published*)

1. Kavya Manjunath and Sindhu Poolsingh. Modern perspectives on Gout: From pathogenesis to novel therapeutic approaches. Res J Biotechnol. 2026; 21(1): 396-403.
2. Kavya Manjunath and Jeevitha Krishna. From pathogenesis to treatment: A comprehensive review of diabetic wound management. Res J Biotechnol. 2026; 21(3): 317-331.
3. Varghese R, Deshpande A, Digholkar G, **Manjunath K**, Murthy S, Kumar D. Defining New Standards for the Diagnosis of Tuberculosis by Employing Sputum-Free Diagnostic Techniques. Int J Intern Emerg Med. 2023; 5(1): 1050.
4. Jatin Arora, Kavya Manjunath. Management of Guillain-Barre Syndrome with SARS-CoV-2 Infection in Pediatrics: A Case Series. Ind J Pharm Practice. 2023; 16(1): 60-64.

Articles in Preparation

1. Kavya Manjunath, Deeksha Giridhar and Sindhu Phoolsingh. Evaluation of Imidazole Derivative Against Aluminium Chloride-induced amnesia in Wistar rats” (targeting scopus indexed relevant journal)

Book Chapters

1. Arvinder Kaur, Avichal Kumar, **Kavya Manjunath**, Deepa Bagur Paramesh, Shilpa Murthy and Anjali Sinha. 2024. “Data Interpretation and Management Tools for Application in Pharmaceutical Research” Editor, Dilpreeth Singh and Prashanth Tiwari.

Book Title Software and Programming Tools in Pharmaceutical Research (295-312). Bentham Sciences.

2. **Kavya Manjunath**, Arvinder Kaur, Deepa Bagur Parmesh and Shilpa Murthy. 2023. "Diagnosis and Potential Strategies to Discover New Drugs for the Treatment of Alzheimer's Disease (AD)" Editor, Dileep Kumar and Prashanth Tiwari. *Book Title* Enzymatic Targets for Drug Discovery against Alzheimer's Disease (244-265). Bentham Sciences.

Patents

1. Kavya Manjunath. Diffusion controlled drug delivery device for management of diabetes (Design). 457929-001. 27th October 2025. (Design granted).
2. Kavya Manjunath. Formulation and Evaluation of Azithromycin loaded Niosomal gel for the treatment of Skin infection. 202521006270. 14th Feb 2025. (Published)
3. Mrs. Arvinder Kaur, Kavya M, Shilpa Murthy, Deepa B P. A system for the production of magnetic iron oxide nanoparticles from the leaf extract *Von Carrisa carandas*. 202022103062.00. July 21, 2022 (Published).

Grants and Funding

Internal Grants

UG Research Grant, KLE College of Pharmacy, Bengaluru, 70,000/- 2025-26

Received a UG research grant of 70,000/- to conduct research work involving UG students by KAHER, Belgavi. (Ongoing)

PG Research Grant, KLE College of Pharmacy, Bengaluru, 25,000/-, 2024-25

Received a PG research grant of 25,000/- to conduct research work involving PG students by KAHER, Belgavi. (Completed)

Teaching Experience

Courses Taught at KLE College of Pharmacy, Bengaluru

Undergraduate Courses:

- Human Anatomy and Physiology (I and II sem, B.Pharm.)
- Pharmacology-I, II and III (IV, V and VI sem, B.Pharm.)
- Human Anatomy and Physiology, Pharmacology-I and II, Clinical Toxicology (I, II, III and IV year Pharm.D.)

Postgraduate Courses:

- Advanced Pharmacology-I (I sem M.Pharm.)
- Advanced Pharmacology-II (II sem M.Pharm.)
- Modern Bioanalytical Techniques (II sem M.Pharm. selected topics)

Teaching Innovation and Development

- Implemented innovative teaching methodologies such as flipped classrooms, problem based learning to enhance student engagement and understanding.
- Developed and delivered online and hybrid courses using Google classroom, Go to meeting ensuring flexible learning during the pandemic.
- Integrated digital tools such as Kahoot, simulation-based software to create interactive learning experiences.

Student Mentoring

Master's Students: Guided 06 PG students

Undergraduate Research: Mentored 50+ UG students

Conference Presentations

Invited Talk

1. Kavya M. ‘What you must know about Medicine’ presented at Soundarya School of Management studies, Soundarya Layout, Bengaluru, 2017.

Poster Presentations

1. “Evaluation of antidiabetic potential of extracts of *Andrographis paniculata* and *Adathoda vasica* in Type-II diabetic animals” at 6th International Conference on “Strategies to tackle Antimicrobial resistance” organised by PES College of Pharmacy, Bengaluru **“Won Best poster award”**

2. “Molecular Docking studies on potential PPAR- γ agonist from *Andrographis paniculata* and *Adathoda vasica* in Type-II diabetic animals” at “Integrated Approaches to Drug Discovery and Development- An Update” organised by Manipal College of Pharmaceutical Sciences, Manipal **“Won Third prize”**
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Professional Service

Professional Organizations

Association of Pharmaceutical Teachers of India (APTI), Life member (Since 2017)

Institutional Service

- NAAC Criteria 3 Member
 - NBA criteria 3 Head
 - M.Pharm. Sessional committee Member
 - Contineo (LMS) Head etc.,
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Awards and Honors

- Best 3rd poster award at Manipal College of Pharmaceutical Sciences, Manipal, 2022
 - Best Poster award at PES International conference, 2019
 - Won 2nd prize in debate competition held at KLE Academy of Higher Education AND Research, Belgavi, an account of Teacher's day 2018 [Fellowship Name], [Organization] (Year)
 - Secured **13th Rank at PGCET**, Karnataka 2014
 - **Qualified GPAT** exam in 2014
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Professional Development

- Actively involved in organizing workshops, guest talks at the current institution
- Have undertaken NPTEL certificate course on “Health Research Fundamentals” 2018
- Attended several FDPs on Docking studies, Effective grant writing, Teaching methodologies etc.,
- Undergone Industrial training from Auxochromoporus, Bengaluru 2024 to enhance practical skills and to update the knowledge

Technical Skills

- **Statistical Software:** Graph Pad Prism, SPSS
- **Computer skills:** MS-word, MS-excel, MS-powerpoint etc.,

Languages

- Kannada, English, Hindi
- Telugu (Basic)

Personal Profile

Father's Name: Late. Manjunath T R

Mother's Name: Bhagyamma R

Marital status: Married

Date of Birth: 10-08-1992