

Scientist Profile

Name: Dr. Priya P Shetti

Designation: Assistant Professor Grade-II

Qualification: Ph.D. (Pharmacy)

M.Pharma (Pharmacognosy &
Phytochemistry)

Specialization: Phytopharmaceutical, Analytical techniques, Drug delivery system, Breast Cancer

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Work Experience: Teaching Experience: 9 years

Research Experience: 8 years

- ❖ October 2025 Assistant Professor Grade-II & Study Director for GLP In-charge Analytical Lab., KAHER Dr Prabhakar Kore Basic Science Research Center
- ❖ Sept 2024 – Oct 2025 Scientist Grade 1/ In-charge Analytical Lab., KAHER Dr Prabhakar Kore Basic Science Research Center -
- ❖ May 2022 – Sept 2024 Research Associate Grade 1 In-charge Analytical-Lab. KAHER Dr Prabhakar Kore Basic Science Research Center - Belagavi
- ❖ Aug 2018- Nov 2021- PhD Research scholar) at KAHER Dr Prabhakar Kore Basic Science Research Center – Belagavi.
- ❖ April 2014 - August 2018 Asst Prof & Head of the Department (Pharmacognosy and Phytochemistry), Rani Chennamma College of Pharmacy – Belgaum
- ❖ September 2010 - April 2011 Lecturer, K. L. E's College of Pharmacy (Women's College) – Belgaum
- ❖ November 2007 - June 2008 Lecturer, Rani Chennamma College of Pharmacy – Belgaum

Research Focus:

My research mainly focuses on natural product research, phytopharmaceuticals, and analytical sciences, with a strong focus on analytical method development and validation. Expertise in qualitative and quantitative analysis using advanced chromatographic and spectroscopic techniques, including HPTLC, HPLC, UHPLC, and UV–Visible spectroscopy. Specialized in the development of novel drug delivery systems within integrative medicine, particularly nano formulations of phytoconstituents & nanoparticle-based carriers, liposomes, ethosome, phytosome, pharmacosome and controlled-release formulations to enhance bioavailability and therapeutic efficacy and controlled drug release with a special emphasis on Breast cancer research. Skilled in formulation development techniques such as solvent evaporation, emulsification, and nano formulation strategies. Hands-on experience in conducting in vitro and ex vivo studies for assessing drug release, permeability, and cytotoxicity profiles. in vivo studies for skin & breast cancer on animal model. Mentoring students and junior researchers. Actively involved in interdisciplinary research collaborations, contributing to scientific publications, technical reports, and grant proposals writing

Intramural Projects Undertaken:

“Development and Optimization of Quercetin loaded nano formulation for targeting Breast Cancer”.

“Preparation and characterization of Chromoleana odorata based scaffolds for wound healing activity”

Awards:

- 1st Prize for the Dr. P.D. Sethi National HPTLC Awards 2024 for the best research paper on “Application of TLC / HPTLC in Biotech category” from India. Entitled Ref of paper: "Apigenin in Apigenin Nanoliposomes: Development and Validation of an Analytical Technique Based on HPTLC" Published in: Research Journal of Biotechnology
- Best Oral presentation at 27th Annual National Convention, Annual APTICON on 27th & 28th sept 2024 in National Utkal University, Vani Vihar, Bhubaneswar, Odisha.
- EVALUATOR-ORAL/POSTER PRESENTATION for International Conference- R R Pharmacon 2025 on 12th & 13th September 2025 being organized in association with RGUHS, KSPC & IPA, Karnataka at R R College of Pharmacy, Bengaluru.

- Evaluator-Oral/Poster presentations for National conference RR Chemcol 2023 on 30th September organizing in association with Karnataka State Pharmacy Council, Bangalore at RR College of Pharmacy, Bangalore.

Publications: 45

Conferences

- Conferences Attended: 05
- Papers Presented: 03

Patents: 02

Ph.D. Students: 03

PG Students : 13