




Dr. Dimple Pirgal

Assistant Professor – Pharmaceutical Chemistry
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PROFESSIONAL SUMMARY

Pharmaceutical Chemistry academician and researcher with over **9+ years of teaching and research experience**. Specialized in **design and synthesis of bioactive molecules** with applications in anticancer and antioxidant therapy. Strong expertise in **medicinal chemistry, molecular docking, ADME prediction, and drug discovery approaches**, with a commitment to outcome-based education and student-centric learning.

RESEARCH PROFILE

- **Area of Research:** Bioactive small molecule synthesis (Anti-cancer, Antioxidant)
- **Ph.D Title:** *Synthesis and Evaluation of Resveratrol Derivatives as Anticancer Agents*
- **Research Approach:** Organic synthesis + in silico docking + ADME + biological evaluation

Research IDs:

- Scopus: 58089827600
- ORCID: 0000-0001-7565-674X
- Vidwan: 263884

EDUCATION

- **Ph.D (Pharmaceutical Sciences)** – KLE Academy of Higher Education & Research, Belagavi (2025)
- **M.Pharm (Pharmaceutical Chemistry)** – RGUHS (83.79%)
- **B.Pharm** – RGUHS (82%)

- **D.Pharm** – Board of Examining Authority (82%)

PROFESSIONAL EXPERIENCE

Assistant Professor (Grade I)

KLE College of Pharmacy, Bengaluru (2016 – Present)

- Teaching UG, PG, and Pharm.D courses in:
 - Medicinal Chemistry (I, II, III)
 - Pharmaceutical Analysis & Organic Chemistry
 - Advanced Spectral & Instrumental Analysis
- Mentoring research projects and guiding students
- Active contributor to **NAAC, NBA, and institutional committees**

Previous Experience

- Lecturer – Nargund College of Pharmacy (2013–2016)
- Production Chemist – Mahendra Labs
- Junior Pharmacist – Lifeken

KEY RESPONSIBILITIES & LEADERSHIP

- NAAC Criteria 5 & NBA Criteria 7 – **In-Charge**
- Institution Innovation Council (IIC) – **Convener**
- Alumni Association – **Secretary**
- Website & Digital Content – **In-Charge**
- Training & Placement Cell – Member

RESEARCH & PUBLICATIONS

- **8+ Research Publications** in reputed journals
- Focus areas:
 - Stilbene derivatives
 - Indolinone compounds
 - Antioxidant and anticancer studies

Recent Work:

- *Indolin-2-one linked stilbene derivatives – synthesis & cytotoxic evaluation (2025)*
- *Stilbene derivatives – in silico & biological studies (2024)*

PATENTS

- **Indian Patent:** Antifungal gel formulation improving bioavailability
- **Design Patent:** Apparatus for synthesis of steroid derivatives

RESEARCH PROJECTS & GRANTS

- KAHER Faculty Seed Grant – ₹1,00,000
- BIRAC e-Yuva Grant Shortlisted – ₹2,50,000
- Multiple UG & PG funded research projects

RESEARCH GUIDANCE

- Guided **M.Pharm & B. Pharm** projects in:
 - Molecular docking
 - Drug design
 - Herbal formulations
 - Anticancer agents

ACHIEVEMENTS & AWARDS

- 🏆 Multiple **Best Oral Presentation Awards (International Conferences)**
- 🥈 University Rank Holder (M.Pharm & B.Pharm)
- 🎓 GPAT Qualified
- 🏆 Awarded by Dr. A.P.J. Abdul Kalam (Academic Excellence)

CONFERENCES & FDPs

- Attended **40+ conferences/seminars**
- Participated in **25+ Faculty Development Programs (FDPs)**
- Delivered **oral presentations in international conferences**

SKILLS & EXPERTISE

Drug Discovery Tools:

ChemDraw, AutoDock Vina, PyRx, SwissADME, Discovery Studio

Analytical Skills:

NMR, IR, UV interpretation, GraphPad Prism

Academic Tools:

LMS, NAAC/NBA portals, Google Classroom

ACADEMIC CONTRIBUTIONS

- Organized workshops on:
 - NMR spectroscopy
 - Drug discovery & AI
 - Intellectual Property Rights
- Active involvement in curriculum development and student mentoring

PROFESSIONAL MEMBERSHIPS

- Life Member – Association of Pharmaceutical Teachers of India (APTI)
- Member – National TPO Club

AREAS OF INTEREST

- Medicinal Chemistry Research
- Drug Design & Discovery
- Bridging academia–industry gap in pharmacy

TEACHING PHILOSOPHY

Committed to **outcome-based education**, fostering analytical thinking and integrating real-world pharmaceutical applications into teaching.