

## SHORT AUTOBIOGRAPHY

Ms. Kalyani A. Birari received her M. Pharmacy degree in Pharmaceutical Chemistry from H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (M.S.) in 2024 with a CGPA of 9.01 (85.72%) and secured 2nd Rank in KBC North Maharashtra University, Jalgaon. She completed her Bachelor of Pharmacy (B. Pharm) from A.R.A. College of Pharmacy, Dhule (M.S.) in 2022 with 75.71% marks. She also qualified the Ph.D. Entrance Test (PET) conducted by KBC North Maharashtra University in 2024 and pursuing PhD at the same institute. Her research specialization focuses on the development of molecularly imprinted fluorescent polymers and nanoprobe for selective drug detection and sensing applications. She carried out her M. Pharm research project entitled **“Development of Molecularly Imprinted Fluorescent Nanoprobe for Selective Determination of Niclosamide.”** She has expertise in fluorescence spectroscopy, UV spectroscopy, FTIR, synthesis of fluorescent nanomaterials and their application in biomedical applications, analytical method development. She has been recognized for her academic and research excellence by receiving the **1<sup>st</sup> Prize in the Dr. P. D. Patil National Level Award for Best Thesis in Pharmaceutical Sciences – 2024** in the Pharmaceutical Chemistry category. She has also published research and review articles in reputed international journals and has filed an Indian patent based on her research work.

**NAME:** Ms. Kalyani Ajaykumar Birari

**DEPARTMENT:** Pharmaceutical Chemistry

**EXPERIENCE:** September 2025 to Present

**EMAIL:** [kalyani.27may@gmail.com](mailto:kalyani.27may@gmail.com)

### RESEARCH/REVIEW PUBLICATIONS:

- INTERNATIONAL: 02
- PATENT FILED: 01
- COMMUNICATION IMPACT FACTOR: 10.4

### AWARDS & ACHIEVEMENTS:

- 1<sup>st</sup> Prize, Dr. P. D. Patil National Level Award for Best Thesis in Pharmaceutical Sciences – 2024.
- Qualified PET 2024, KBC North Maharashtra University.
- Secured 2nd Rank in M. Pharm (Pharmaceutical Chemistry) at University Level.

### CONFERENCES/SEMINARS/WORKSHOPS ATTENDED: 12

### RESEARCH INTERESTS:

- Molecularly Imprinted Polymers (MIPs)
- Fluorescent Sensors and Nanoprobes
- Drug Detection and Sensing
- Analytical Method Development

**PROFESSIONAL MEMBERSHIP:** Maharashtra State Pharmacy Council (Reg. No. 389884)

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