

Dr. Nilesh Pratapsing Babre M. Pharm, Ph.D., PGDBM.
Associate Professor
Department of Pharmacology

Summary

Area of Research: Ethnopharmacology.

Work Experience: Total Experience 22 Years

- 18 years in academic as an Assistant Professor.
- 4 years 6 months in Pharmaceutical Sales and Marketing.

Professional Experiences (Teaching & Industry)

Oriental College of Pharmacy, Navi Mumbai, Maharashtra

Designation: Associate Professor, Department of Pharmacology

VIVA Institute of Pharmacy, Mumbai

Designation: Associate Professor, Department of Pharmacology

Srikrupa Institute of Pharmaceutical Sciences. (A.P.)

Designation: Assistant Professor, Department of Pharmacology.

Research Students Guided (M. Pharm and Ph.D.):

- M. Pharm Guided (Completed): **07**
- M. Pharm Ongoing: **05**

Publications / Presentations / International & National Conferences Attended:

- Research Publications: **19**
- Research Publications: 14
- Review Publications: 05
- Patents file :02
- Book Chapters: 01
- Book Published: 01
- Numerous National & International Conferences, FDPs, Workshops and Seminars Attended/Organized.

Other Responsibilities (Committees Handling – Last 5 Years):

- NAAC Criteria
- NSS Program office
- PCI-QCI

- Unfair means Committee In- Charge
- Class teacher for Final year
- Library In charge

Research Publication

1. Pavani KH, Babre NP. Evaluation of blood biochemistry and hematological profiles in rats on a processed sweet potato diet. *Afr J Biol Sci.* 2024;6(6):6550-6560. doi: 10.33472/AFJBS.6.6.2024.6550-6560
2. Damayanthi D, Karunakaran R, Babre NP, Gaurav. Pharmacological evaluation of guava tender leaves extract in controlling diabetes-related hyperglycemia and dyslipidemia. *Frontiers in Health Informatics.* 2024;13(8):2044-2060.
3. Babre NP, Gouda TS, Gowrishankar NL. Hepatoprotective activity of *Pentatropis nivalis* against carbon tetrachloride induced hepatic damage in rats. *Asian J Pharm Pharmacol.* 2020;6(6):383-388. doi: 10.21276/ajpp.2020.6.6.2
4. Babre NP, Gouda TS, Gowrishankar NL. Phytochemical composition and in vitro antioxidant activity of methanolic and aqueous extracts of aerial part of *Pentatropis nivalis* (Asclepiadaceae). *Int J Phytomed.* 2018;10(1):68. doi: 10.5138/09750185.2219
5. Babre NP, Gouda TS, Gowrishankar NL. Phytochemical and in-vitro antioxidant evaluation of methanolic and aqueous extract of *Lepidagathis cuspidata*. *Int J Biomed Adv Res.* 2017;8(11):431-436. doi: 10.7439/ijbar.v8i11.4468
6. Kannadasan M, Debnath S, Babre N P, Parameshwar P, Rajesham VV, Rehman H. Anti-epileptic activity of the hydro-alcoholic extract of *Erythrina fusca* Lour. bark through behavioral studies against the animal models of epilepsy. *Res J Pharm Technol.* 2011;4(2):315-319. doi: 10.52711/0974-360X
7. Babre NP, Debnath S, Manjunath YS, Parameshwar P, Wankhede SV, Hariprasath K. Antioxidant potential of hydroalcoholic extract of *Barringtonia acutangula* Linn roots on streptozotocin-induced diabetic rats. *Int J Pharm Pharm Sci.* 2010;2(4):201-203
8. Babre NP, Debnath S, Manjunath SY, V MR, Panda M, Manoj G. Antidiabetic effect of hydroalcoholic extract of *Barringtonia acutangula* Linn. root on streptozotocin-induced diabetic rats. *Int J Pharm Sci Nanotechnology.* 2010;3(2):986-989. doi: 10.37285/ijpsn.2010.3.2.11
9. Babre NP, Debnath S, Manjunath YS, Deshmaukh G, Hariprasath K, Sharon K. Hypolipidemic effect of hydro-alcoholic extract of *Barringtonia acutangula* Linn. root extract on streptozotocin-induced diabetic rats. *J Pharm Sci Tech.* 2010;2:368-371.
10. Debnath S, Babre NP, Manjunath YS, Mallareddy P, Parameshwar P, Hariprasath K. Nephroprotective evaluation of ethanolic extract of the seeds of papaya and pumpkin fruit in cisplatin-induced nephrotoxicity. *J Pharm Sci Tech.* 2010;2(6):241-246.

11. Nandi S, Debnath S, Manjunath SY, Babre NP, Rao MG. Improvement of dissolution characteristics of meloxicam by complexation with cyclodextrins. *Int J Pharm Sci Nanotechnol.* 2010;3(4):1263-1270. doi: 10.37285/ijpsn.2010.3.4.10

REVIEW ARTICLE

1. Chaurasiya V, **Babre N.** Psychobiotics as emerging neurotherapeutics: a comprehensive review of integrative preclinical mechanisms, clinical evidences, and future perspectives in neurological disorders. *Next Res.* 2026; 9:101755. doi:10.1016/j.nexres.2026.101755.
2. Shirodkar S, Khanchey F, **Babre N.** Role of functional foods and nutraceuticals in nutrition and health. *Academia Nutrition and Dietetics.* 2025;2(2). doi:10.20935/AcadNutr7676
3. **Babre N,** Khanchey F, Shaikh A. Antioxidants gone wrong: the dark side of green tea extract-induced liver damage. *Bharati Vidyapeeth Medical Journal.* 2025;5(2):137-138. doi:10.4103/BVMJ.BVMJ_18_25.
4. Shaikh H, Khanchey F, **Babre N,** Ansari F, Kazi J. *Vitamin A toxicity and liver dysfunction: exploring mechanisms, symptoms, and clinical management.* Department of Pharmacology, Oriental College of Pharmacy, Navi Mumbai. Published 2025 Jun 22. doi:10.5281/zenodo.15715982.

CONFERENCE/SEMINARS

1. 58th National Convention of Indian Pharmaceutical Congress (IPC) 2006 held at Mumbai.
2. National Symposium on “Statistical Methods in Research and Business Analytics: A Pharmaceutical Perspective” on 21st January, 2017 at St. **John Institute of Pharmacy and Research (SJIPR), Palghar (E)**
3. DST-SERB, ICMR & CSIR Sponsored “Three Days National conference on Neurodegenerative Diseases: Strategies of Drug Discovery and Delivery to Brain” on July 27 to July 29, 2017 at SVKM’s Dr. Bhanuben Nanavati College of Pharmacy, Mumbai.
4. 3rd International Conference on “Drug, Development and practice of Drug” on 1st & 2nd February 2018 at Creative Education Society’s College of Pharmacy, NH-7, Chinnatekur, Kurnool (A.P).
5. 3rd International Conference on “Innovations in Pharmaceutical Sciences” on 3rd & 4th August 2018 Sponsored by Indian Council of Medical Research at School of Pharmacy, GuruNanak Institutions Technical Campus, Hyderabad. Telangana.
6. Two Days National Level Seminar on “Isolation, Purification and Characterization of Undiscovered Phytoconstituents: Challenges and Opportunities” on 10th & 11th January 2019 at Singhgad institute of pharmaceutical Sciences, Lonavala, Pune
7. Conference on “Quality Analysis in Herbal Drug Research” on 3rd & 4th August 2020, Sponsored by AICTE at Rajarambapu College of Pharmacy, Sangali

TRAINING / FDP

1. Training programme for **Nominees of “CPCSEA”** organized by the Committee for the Purpose of Control and Supervision of Experiments on Animals on 18th to 21st Sept, 2018 **Ministry of Fisheries, Animal Husbandry and Dairying, Government of India, New Delhi.**
2. Training Programme entitle **“STEP-2.0 Screening Techniques in Experimental Pharmacology”** sponsored by **INDIAN PHARMACOLOGICAL SOCIETY** on 26th to 28th Sept at R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur.
3. Participated in the FDP on **“Clinical Data Management”** supported by **MHRD, Government of India** on 17th to 27th Dec 2018 (Mentored by RUSA, Maharashtra) at Institute of Chemical Technology, Matunga(E), Mumbai.
4. **ISTE** approved **One Week Faculty Development Program** on **“Recent Advances in Pharmaceutical Sciences”** during period from April 11 to April 15,2016 at School of Pharmacy and Technology Management, Shirpur, Dist. Dhule.
5. **Faculty Development Program** on **“Emotional Intelligence Linked Personal and professional Excellence”** on 24th December 2016 at VIVA Institute of Management Research. Virar (E)
6. **Faculty Development Program** on **“New Edged Educational standards for teachers”** on 14th to 18th Feb 2022 in collaboration with APTI at MET Institute of Pharmacy, Nashik
7. Workshop on **“Prominence of Animals in research”** on 10th July 2020 organized by Indian institute of Technology (IIT) Ropar.
8. One-Week National Level e-Faculty Development Programme on **“Redefining the Role of Educator in Covid-19 Outbreak Era”** on 11th to 16 May 2020 Jointly organized by Gujarat Technological University, Ahmedabad and Anand Pharmacy college, Anand

KEY SKILLS

- Knowledge of ICH- GCP guidelines.
- Preparation of study proposal and execution of studies as per OECD GLP and Non GLP guidelines
- Management and maintenance of animal facility (Rat, Mice, Guinea pig, Rabbit) as per CPCSEA guideline.
- Knowledge on CPCSEA guidelines and IAEC policies.
- Evaluation of Antidiabetic Analgesic, Antipyretic, Anti-inflammatory, Antiulcer, Antibacterial and behavioral activity of various phytoconstituents on suitable animal models.
- Protocol development for preclinical evaluations as per International Guidelines.
- Ability to understand and correlate data from preclinical to clinical studies.
- Operating System: Graph Pad Prism, Chem Draw, End Note, Mendeley
- Proficiency with Microsoft Windows, Word, Excel, Adobe Acrobat, and PowerPoint.