

Dr. Babar Supriya Pratap,

Ph.D.

Assistant Professor

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Professional Qualification:

□ **Ph.D. in Organic Chemistry (Green Chemistry), 2020**

The Institute of Science, Dr. Homi Bhabha State University (University of Mumbai)

• **Master of Science, 2011**

The Institute of Science, Dr. Homi Bhabha State University (University of Mumbai)

• **Bachelor of Science, 2009**

Maharshi Dayanand College of Arts, Science and Commerce, Parel, Mumbai.

Short Biodata:

Dr. Babar Supriya Pratap is currently an Assistant Professor in the Department of General Engineering at Terna Engineering College, Nerul, Navi Mumbai. She has a total of 7 years of teaching and research experience. She earned her Doctorate (PhD) in Organic Chemistry from the University of Mumbai in August 2020. Her major research interest is Green chemistry, solvent-free synthesis, Heterogeneous catalyst. She received her bachelor's degree in Chemistry from M. D. College, Parel and a master's degree in Organic Chemistry from the The Institute of Science (University of Mumbai). She completed her secondary and higher secondary education from Dr. Shirodkar High school, Parel, Mumbai. She

qualified PET exam of University of Mumbai in 2012. She has published 11 research papers in peer-reviewed international and national journals and 01 paper in the international conference proceeding with 01 book and 01 book chapter. She is reviewer of journals and book.

Reviewer:

- Asian Journal of Advances in Agricultural Research
- International Journal of Plant & Soil Science.
- Book: Recent Development in Chemistry and Biochemistry Research
- Journal of Advances in Medicine and Medical Research
- International Research Journal of Pure and Applied Chemistry

Major Subjects:

- Organic Chemistry
- Green Chemistry

Citation Analysis:

12 citations (h-index 2 and i10-index) in Google scholar

<https://scholar.google.com/citations?user=BwC1xlcAAAAJ&hl=en>

List of Publications:

Journal Publications:

1. Extraction of Pectin from Lemon peels by white organic clay- Green approach, S. P. Babar, 2025, Proceedings of International e-Conference "Creativity, Innovation & Advances in Research World: Pathways for a Better Tomorrow", 83-86, Book ISBN-978-81-979567-4-4.
2. Application of Organic Clay as Natural Acid Catalyst for The Synthesis of Schiff Bases of Aniline Under Microwave Irradiation, S. P. Babar, C. M. Tumade, 2024, Central European Management Journal, 32(1), 266-272, ISSN:2658-0845.
3. Synthesis of Quinoxaline-4-(3H)-one and Quinolone Derivatives Via Organic Clay as a Catalyst, S. P. Babar, V. M. Kamble, 2023, International Journal of

- advanced research in science, communication and technology, 3(5), 805-808, ISSN(Online): 2581-9429.
4. Synthesis of Schiff's Bases of Dihydropyrimidones by Organic Red Clay as a Mild Catalyst Under Microwave Irradiation, S. P. Babar, 2022, International Research Journal of Pharmacy and Medical Sciences, 5 (3), 9-12, ISSN (Online): 2581-3277.
 5. Synthesis of Dihydropyrimidone Derivatives by Application of Organic Red Clay and their Anti-Microbial Screening, S. P. Babar, 2021, Annals of the Romanian Society for Cell Biology, 25 (5), 176-183, ISSN: 1583-6258.
 6. Pectin Extraction from Orange Peels by Using Organic Clay, S. P. Babar, 2021, International Journal of Scientific Research & Engineering Trends, 7(1) 171-173.
 7. Solvent-free one pot multi-component synthesis of 3,4-dihydropyrimidone derivatives catalyzed by organic white clay as an cheap and environmentally friendly catalyst, S. P. Babar, V. M. Kamble, 2021, International Journal For Research In Applied Science and Engineering Technology, 9(2) 467-472.
 8. Oxidation of p-anisaldehyde to p-anisic acid by organic clay as a novel method, S. P. Babar, 2021, European Journal of Molecular and Clinical Medicine, 8(3), 1358-1366.
 9. Synthesis of Thiazole and Oxazole derivatives by Organic clay as a Novel method and their biological evaluation, S. P. Babar, V. M. Kamble, 2019, International Journal For Research In Applied Science and Engineering Technology, 7(VIII) 602-607.
 10. Solvent-free synthesis of Nitro chalcones by organic clay as a catalyst and their anti-oxidant activity, V. M. Kamble, Supriya P. Babar, 2019, International Journal of Research and Analytical Reviews, 6(2) 166-169.

Conferences:

1. **Supriya P. Babar**, International Conference on "Cretivity, Innovation & Advances in Research World: Pathways for a Better Tommorrow", by Motherhood University, (**Paper Presentation**), Roorkee, 2025.
2. **Supriya P. Babar**, 4th International Webinar on Nutraceuticals and Food Science by Scientex conferences, Thailand, November 18-19, 2024.

3. **Supriya P. Babar**, One day International Multi-disciplinary Conference on “Global Paradigm Shift: Initiatives of India in Science, Education, Technology, Business and Climate”, by Veer Wajekar A.S.C. College, (**Paper Presentation**), Phunde, 2024.
4. **Supriya P. Babar**, National online conference on Environmental Conservation, Solapur university, by Global Youth for Environment and Sustainability, 2020.
5. **Supriya P. Babar**, International Conference on Challenges in Environmental Management, Patkar -Varde College (Paper presentation), Mumbai, 2019.

Book Chapter

1. **Supriya P. Babar**, “Bamboo – An Eco-friendly Choice”, Bridging Disciplines Exploring Environmental Challenges Through Interdisciplinary Perspective, Taran Publication, Pg No- 128-131, ISBN: 978-81-19295-52-4, 2024.

Workshops Attended

1. One week Faculty Development Programme on “AI Tools for Research, Teaching and Accreditation” organized by IMS Ghaziabad, University Courses Campus, 9th -13th December, 2024.
2. Three days Capacity Building Workshop for Early Career Researchers by iRISE, IISER Pune in collaboration with University of Mumbai & MU IDEAS Foundation Incubation Centre, Kalina, Santacruz, 29th -31st May, 2024.
3. National Intellectual Property Awareness Mission (NIPAM)/Training program, Intellectual Property Office, India, February - 2022
4. Two-week faculty development program on Managing online classes and co-creating MOOCS, Ramanujan college, University of Delhi, 2020.
5. Green Chemistry-Tools and Resources, IIT-Bombay, 2019.
6. Mass Spectrometry, The Indian Society for Mass Spectrometry, Mumbai, 2017.
7. Intellectual Property Rights (IPR), University of Mumbai, RUSA Maharashtra and RGNIIPM, Nagpur, 2016.
8. Ethics in Scientific Research, Women Scientist’s Association, Navi Mumbai, 2015.

9. One week Analytical Instrumentation course, Ramanarain Ruia College, Mumbai, 2016.

Research and Scholarly Contributions:

- **Ph.D. Research:** Synthesis, Characterization of Novel Heterocyclic Compounds by Using Greener Methods.

Experience:

- **7 years, September 2024 – Present, Assistant Professor,** Terna Engineering College, Nerul, Navi Mumbai
- **June 2023 – September 2024, Assistant Professor,** Veer Wajekar A.S.C. College, Phunde, Uran
- **September 2022- April 2023, Assistant Professor,** N.G. Acharya & D.K. Marathe College of Arts, Science & Commerce, Chembur.
- **August 2021- April 2022, Assistant Professor,** Ramsheth Thakur College of Commerce and Science, Kharghar.
- **December 2019 - June 2020, Assistant Professor,** St. Wilfred's college of Arts, Commerce and Science, Panvel.
- **July 2012 - April 2016, Adjunct Professor,** The Institute of Science, Fort, Mumbai.

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Dr. Supriya Babar

Place: Navi Mumbai