



Name: Mrs. Prajakta Matade.

Designation: Assistant Professor.

Email.ID: prajakta.matade@dpu.edu.in

Area of specialization: Chemistry & Management Studies

Research interest: Analytical studies of various chemical molecules and biomolecules. Innovate the chemical process and structure of biological system including the chemistry of biomolecules, Corrosion study in industrial equipment and buried solvent pipeline. Agricultural soil and water analysis for benefits of agro chemistry.

Educational Qualification:

1. **Ph.D.** (2021-Present), Dr Babasaheb Ambedkar Marathwada University. Ch. Sambhajinagar. Maharashtra. India. Thesis Title: "Studies on corrosion of some selected metal and alloys in soil of Aurangabad district"
2. **M.Sc. (Chemistry)** 2018. Department of Chemistry, Dr Babasaheb Ambedkar Marathwada University. Ch. Sambhajinagar. Maharashtra. India
3. **MBA (Human resource)** 2021. Yashwantrao Chavan Marathwada Open University. Sub -centre (S.B.E.S) Ch. Sambhajinagar. Project internship "To study the Employee satisfaction Training process at Rucha Engineering PVT. Ltd. Sambhajinagar
4. **B.Ed. (Science& mathematics)** 2021, Mahatma Gandhi college of education, Ch. Sambhajinagar.
5. **B.Sc. (Chemistry, Biochemistry, Botany)**, 2016 Saraswati Bhuvan college of science Ch. Sambhajinagar.
6. **HSC (Science)**: 2013 Saraswati Bhuvan college of science Ch. Sambhajinagar.
7. **SSC (2011)**. Sharada Mandir girl's High School. Saraswati Bhuvan College of science Ch. Sambhajinagar.

Total Experience:

1. **Assistant Professor** (Aug 2025- Present) at Dr. D.Y.Patil Biotechnology and Bioinformatics institute. Dr D.Y. Patil Vidyapeeth. Tathawade.Pune
2. **Research Scholar and Teaching assistant staff** in 2023 in J.E.S College of Science, Jalna.
3. **Assistant Manager** (2021-2023), at Dilasa Agro Processors PVT. Ltd. Ch. Sambhajinagar
4. **HR Executive** (2020-2021) at Dilasa Agro Processors PVT. Ltd. Ch. Sambhajinagar.
5. **HR Assistant** (2020) at Dilasa Agro Processors PVT. Ltd. Ch. Sambhajinagar
6. **HR Intern** (2019-2020) at Dilasa Agro Processors PVT. Ltd. Ch. Sambhajinagar.
7. **Lab In charge** (2018-2019) Soil and water testing laboratory
Dilasa Agro Processors PVT. Ltd. Ch. Sambhajinagar

Invited talks

1. Invited as guest lecturer (5 Nov – 15 Nov 2020) at CSIR Project of L&T on soil and water analysis of agricultural soil especially on horticulture.
2. Invited as guest lecturer at Department of chemistry, (March 2022) Dr Babasaheb Ambedkar Marathwada University Ch. Sambhajinagar on topic of “future opportunity for chemistry students “.

Achievements

1. Qualified for PhD in **ICT-IOC Campus (Institute of Chemical Technical Technology)** Bhubaneswar, Odisha. India.
2. Awarded by “**D. D Khanolkar Inspirational prize 2018** “for securing highest number of marks at M.sc chemistry
3. **Gold medallist** in M.Sc. (chemistry) 2018.
4. Awarded for highest securing marks in B.Sc. 2016.

Workshop:

1. one day Workshop on Characterization of Chemistry Instrument XRD, HPLC, IR, GC.
2. one-month training on soil testing and soil conservation course (RAMETI).
3. Workshop on Plant Tissue Culture Techniques. (Botany). Dr Babasaheb Ambedkar Marathwada University.
4. Workshop on Soil Analysis at Government Soil and water conservation Department.Ch. Sambhajinagar.
5. Workshop on RUSA, Centre for Advance Sensor Technology.
6. Workshop in GIFSA, Govt. Institute of Forensic Science, Aurangabad.
7. Workshop in Govt. Divisional Forensic Science, Aurangabad.
8. Attended National Level Conference organized by ACTRA. Aurangabad.

Post Graduation Project

1. "Organic Schiff base synthesis i.e. synthesis of salen Schiff base Ligand and their metal complexes with transition metal and toxic metal series."
2. Synthesis of nanoparticles from "*acasia nilotica*" plant by using chemical methods_
3. To Study the Employee Satisfaction Training Process at **Rucha Engineers Pvt. Ltd.** K-249, MIDC, Waluj, Aurangabad, Maharashtra – 431136.

Research Papers and Conference:

1. "Corrosion in underground condition of mild steel plates in various soil varying textures". Paper Id: 1300. Published on 2021-11-18. Journal: "International journal of Innovative research in engineering & multidisciplinary science." Volume: 09, Issue: 6. E-ISSN: 2349-7300 • Impact Factor - 9.907
2. "The analytical study of heavy metals presents in a contaminated soil from selected locations from Aurangabad region." Published in 2024 in international conference organized by Rajeshwar Educational Society Buldhana.
3. "A comprehensive analysis of physico-chemical parameters of soil from Aurangabad District." Published in International journal and conference held by Vai D. M. Degloor College. Year: 2024. SSN – 2347-7075 Impact Factor – 8.141.
4. Presentation of Poster on "Educational transformation and adaptation challenges during current pandemic situation" in national level E-Poster competition on "COVID-19 Pandemic" jointly organized by Dr. D.Y. Patil institute of pharmaceutical science and research and association of pharmaceutical teachers of India. .