



Photo:

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Experience (Years)

Teaching : 18
Industry : 03
Research : 01

Portfolio at college level:

1. In-charge, Unit Test Cell
2. Coordinator purchase, Bharatiyam
3. Custodian, BVDU examination
4. Member, Board of Studies, Department of Chemical Engineering

Conferences: National/ International (Participation and publication):

[1] Ajay Kumar, S. J. Attar, **P. L. Chaudhari**, S. J. Hole, Study of Influence of Particle size and initial concentration on the dissolution of CaCO_3 , National seminar on 'Recent Advances in Chemical Engineering' (RACE 2010), March 20, 2010, North Maharashtra University Jalgaon- 425001.

Publications: National/ International Journal

[1] Pallavi C. Kale, **Prashant L. Chaudhari**, "Removal of Reactive Blue 221 Dye from Textile Waste Water by Using Zinc Peroxide Nanoparticles" International Journal of Scientific Research and Management (IJSRM) 5 (06) (2017) 5700-57097.

[2] **Prashant L. Chaudhari**, Pallavi C. Kale, "Synthesis and characterization of nano zinc peroxide photocatalyst for the removal of brilliant green dye from textile waste water" International Journal of ChemTech Research, 10 (9) (2017) 477-486.

[3] S. Sonawane, **P. Chaudhari**, S. Ghodke, S. Ambade, S. Gulig, A. Mirikar and A. Bane, "Combined effect of ultrasound and nanoclay on adsorption of phenol, Ultrasonics Sonochemistry, 15 (2008) 1033–1037.

[4] S. H. Sonawane, **P. L. Chaudhari**, S. A. Ghodke, M. G. Parande, V. M. Bhandari, S. Mishra , R. D. Kulkarni, "Ultrasound assisted synthesis of polyacrylic acid–nanoclay nanocomposite and its application in sonosorption studies of malachite green dye" Ultrasonics Sonochemistry, 16 (2009) 351–355.

[5] **P. L. Chaudhari**, V. G. Joshi, P. B. Patil, K. S. Kulkarni, "Sonochemical synthesis of polyacrylic acid nano CaCO₃ nanocomposite for the adsorption of rhodamine-b dye" International Journal of Advanced Technology in Engineering and Science, 03(06) (2015) 168–176.

[6] U. Ghosh, K. Kulkarni, A. D. Kulkarni, **P. L. Chaudhari**, "Review–Hydrocracking using Different Catalysts" Chemical and Process Engineering Research, 34 (2015) 51-55.

[7] Priyanka T. Waditake, **Prashant L. Chaudhari**, "Synthesis, characterization and application of nanosio₂ and nano-pbo in dye degradation", Poll Res. 40 (4) : 1547-1552 (2021) ISSN 0257–8050.

[8] Rashid Rafik Kapdi, **Prashant Chaudhari**, Sagar Bandpatte, "Data Analysis of Organic Dye Removal from Synthetic Waste Water Using Low-Cost Adsorption," Wesleyan Journal of Research, Vol 14 No 02 (2021).

[9] P. S. Ranaware, **P. L. Chaudhari**, S. C. Bandpatte, Mohd. Ajmal, D.P. Bhatt and Y.J. Chendake, "Membrane Property Optimization For Treatment of Textile Industrial Effluent", Rasayan Journal of Chemistry, Vol No.17, No 3, PP. 985-992 (2024).

National Journal:

[1] S. Sonawane, **P. Chaudhari**, S. Ghodke, S. Phadtare, S. Meshram, Ultrasound assisted adsorption of basic dye onto organically modified bentonite (nanoclay), Journal of Scientific & Industrial Research, 68 (2009) 162-167.

Patents/ Copyright:

[1] **P. Chaudhari**, V. Mehtre, H. Mhetre, S. Jadhav, Y. Chendake, R. Khomane, R. Kanawade (2025). "Revolutionizing Water Purification Through Nanotechnology". In: Desimone, M.F., Jotania, R.B., Khomane, R.B., Chaudhary, R.G. (eds) Nanotechnology. Nanotechnology in the Life Sciences. Springer, Cham. https://doi.org/10.1007/978-3-031-86508-4_11

Projects/ Achievements:

1. Life Member of International Association of Engineers (IAENG) 118277
2. Reviewer for Journal of Hazardous Materials