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Qualification- PhD Chemical Engineering

Designation : Professor

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Experience

Teaching- 28 Years

Industry-7 Years

Portfolio at college level:

1. TEQUIP Finance Coordinator
2. International students Cell Coordinator
3. PhD Coordinator

Conferences: National/ International (Participation and publication):

1. 6th International conference on sustainable systems and the environment, (March 2011), Sharjah, United Arab Emirates.
2. International conference on sustainable environment, December 2010, University of Delaware, USA

Publications: National/ International Journal

1. K.S.Kulkarni, **A.D.Kulkarni**, S.Nage, Comparative study of CO₂ adsorption using different types of fly ash, International Journal of Chemical Sciences, 10, (2012) 1001-1008.

2. Kavita Kulkarni, Prasanna Beedkar, **A.D.kulkarni**, International Journal of Science and research,5,6 (2016) 1-6
3. Kavita Kulkarni, Ashwini Gajbhiye, **Dr. A.D.Kulkarni**, Calcium Ion impregnated on water hyacinth for defluoridation of water, International Journal of science and research management , 5(2017) 1.-8
4. Kavita Kulkarni, Snehal Thorat, **A.D.Kulkarni**, Doping of calcium hydroxide on biosorbent for removal of fluoride, International Journal of science and research management, 5(2017) 5679-5686
5. K.S.Kulkarni, **A.D.Kulkarni**, Rakesh Kumar, S.J.Attar, Utilization of fly ash for bricks manufacture, Journal of Engineering Research and Studies,3 (2011) 359-362.
6. K.S.Kulkarni, **A.D.Kulkarni**, N.S.Topare, Opportunities and Challenges for Heterogeneous Catalysis in the Biodiesel Production, Journal of Engineering Research and Studies, 87 (2011)77-79.
7. P. Deshpande, K.S.Kulkarni, **A.D.Kulkarni**, Supercritical fluid technology in biodiesel production: A review ,Chemistry and Materials Research, 1, (2011) 27-32.
8. R.Singh, K.S.Kulkarni, **A.D.Kulkarni**, Application of Appopolite in Adsorption of Heavy Metals (Co and Ni) from Waste Water Journal of Chemistry and Materials Research , 1, (2012) 16-21.
9. K.S.Kulkarni, **A.D.Kulkarni**, S.Nage, N.S.Topare ,Biodiesel Production By a Continuous Process Using a Heterogeneous Catalyst , Journal of Current Chemical and Pharmaceutical Sciences,2, 1, (2012) 12-16.
10. K.S.Kulkarni, **A.D.Kulkarni**, S.G.Chopade, N.S.Topare, Solid heterogeneous catalysts for production of biodiesel from trans-esterification of triglycerides with methanol: a review, Acta Chimica & Pharmaceutica Indica,2, (2012) 8-14.
11. K.S.Kulkarni , **A.D.Kulkarni**, P.Kelut , CO₂ Adsorption By Various Catalysts, Chemical and Process Engineering Research,18 (2014) 7-15.
12. K.S.Kulkarni , **A.D.kulkarni**, P.Singh, Improvement of Synergetic Effect In Heterogeneous Catalysis By Addition Of Metal Oxides ,Chemical and Process Engineering Research,18 (2014) 31-34.
13. M.B.Mane, K.S.Kulkarni , **A.D.Kulkarni**, Mass and Heat Transfer in Solid Catalyst Bed, Chemical and Process Engineering Research,33 (2015) 40-45.

14. K.S.Kulkarni , P.L.Chaudhari, **A.D.Kulakrni**, U.Ghosh, Review – Hydrocracking using Different Catalysts, Chemical and Process Engineering Research,34 (2015) 51-55.
15. Kavita Kulkarni, **A.D.Kulkarni**, Pallavi Amale, Sunil Kulkarni, Solute Uptake, Isotherm and Kinetic Studies for Distillery waste water Treatment for Removal of organic matter by low cost adsorbent. International Journal of Petroleum and Petrochemical Engineering, 3, (2017) 56-65.
16. Kavita Kulkarni Dhulipudi, S.Chendake, Y. **Kulkarni, A**, Subrahmanyam, C.V. Adsorptive Removal of Copper and Chromium Ion by Using Azospirillum Biofertilizer as Low-cost Biosorbent in Aqueous Medium, Water, Air, and Soil Pollution, 2022, 233(7), 245
17. Kavita Kulkarni, Chawan, **A.Kulkarni**, A.Gharat, S.Bioremediation of imidacloprid using Azospirillum biofertilizer and Rhizobium biofertilizer,Korean Journal of Chemical Engineering, 2022, 39(10), . 2702–2712.
18. Kavita Kulkarni, Manujendra Kumar, **P.Kulkarni, A**.Satpute, S. Bioremediation of hazardous Metanil yellow dye by using Trichoderma and Azotobacter biofertilizers
19. Acta Ecologica Sinica, 2023
20. Kavita Kulkarni , Kurhade, S.,Chendake, Y., **Kulkarni, A.**, Satpute, S. Utilization of Low Cost Biofertilizers for Adsorptive Removal of Congo Red Dye, Bulletin of Environmental Contamination and Toxicology, 2023, 111(3), 33
21. Mandale, P., Kulkarni, K., Jadhav, K., **Kulkarni, A.**, Environmentally friendly remediation of hazardous cationic dye by utilizing cashew nut shell powder as bio-adsorbent ,Rasayan Journal of Chemistry, 2024, 17(4), 1843–1852
22. Kale, P., Kulkarni, K., **Kulkarni,A**, Treatment of Textile Reactive Orange HE2R Dye by using Biosorbent Azospirillum and Tricoderma, A. Journal of the Textile Association, 2025, 85(6), 679–687

Patents/ Copyright:

Sr. No.	Title of Invention	Applicant name	Inventor Name	Patent ID Filed date Publication date	Status (Filed/ Published/ Granted)
1	A system for degradation of	Bharati Vidyapeeth Deemed To Be University College	Ms.Poonam Bodare Dr.Kavita Kulkarni, Dr. A.D.Kulkarni	Patent ID: 202221072299	09/08/2023 Granted

	rhodamine b dye solution in wastewater	of Engineering, Pune		Filling date: 14/12/2022	
2	A simple method for the treatment of co-reactive turquoise blue h2gp dye"	Bharati Vidyapeeth Deemed To Be University College of Engineering, Pune	Ms.Aishwarya Chawan Dr.Kavita Kulkarni, Shirish Kulkarni, Dr. A.D.Kulkarni	Patent ID: 202521052952 Filling date: 31/05/2025 Publication date: 27/06/2025	Published

Projects/ Achievements:

- Recognized Ph.D guide- Bharati Vidyapeeth (Deemed to be University), Pune