



Dr. Saurabh Meshram

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Qualifications

1. Ph.D. from NIT Raipur in Chemical Engineering, 2021
2. M.Tech. from NIT Raipur in Chemical Process Design, 2010
3. B.E. from Ujjain Engineering College, Ujjain, 2005

Area of Interest/Specialization

Environment, wastewater treatment, Adsorption, Optimization, Heat Transfer,

Experience

1. Assistant Professor in Dept. of Chemical Engg., GGV Bilaspur, Since August, 2011.
2. Lecturer in the Dept. of Chemical Engg., IPS Academy, Institute of Engineering and Science, Indore from August, 2010 to August, 2011.
3. Trainee Engineer in Shree Precoated Steels LTD., Pune (M.H.) from April 2007 to October 2007.

Best Peer Reviewed Publication (up-to 10)

1. **Saurabh Meshram**, Raghwendra Singh Thakur, Ghoshna Jyoti, Chandrakant Thakur, Anupam B. Soni, Optimization of lead adsorption from lead-acid battery recycling unit wastewater using H₂SO₄ modified activated carbon, Journal of the Indian Chemical Society, 100469. <https://doi.org/10.1016/j.jics.2022.100469>
2. **Saurabh Meshram**, Chandrakant Thakur and Anupam B. Soni, Adsorption of Pb(II) from battery recycling unit effluent using granular activated carbon (GAC) and steam activated GAC, Indian Chemical Engineer, (2020). DOI:<https://doi.org/10.1080/00194506.2020.1795933>
3. **Saurabh Meshram**, Chandrakant Thakur and Anupam B. Soni, Taguchi Optimization of Adsorptive Treatment of Effluent from Lead-acid Battery Recycling unit Using Pressmud-a Sugar Industry Waste, Pollution, (2020) 6(4), 879-892. DOI: 10.22059/POLL.2020.302442.808.
4. **Saurabh Meshram**, Chandrakant Thakur and Anupam B. Soni, Fixed bed adsorption treatment of effluent of battery recycling unit to remove Pb(II) using Steam Activated Granular Activated Carbon, Journal of Serbian Chemical Society, (2020) <https://doi.org/10.2298/JSC191103015M>.
5. N Chandraker, R S Thakur, **S Meshram**, P K Chaudhari, Removal of fluoride using bagasse adsorbent: Process optimization using response surface methodology, IOP Conference Series: Earth and Environmental Science, (2020) 597 (1), 012016. DOI: 10.1088/1755-1315/597/1/012016
6. **S Meshram**, A N Joshi, S Dharmadhikari, R S Thakur, Adsorption of cadmium from water using activated carbon derived from Ipomoea Carnea using chemical impregnation, IOP Conference Series: Earth and Environmental Science, (2020) 597 (1), 012005. DOI-10.1088/1755-1315/597/1/012005
7. **S Meshram**, D Katiyar, T Asha, G P Dewangan, A N Joshi, R S Thakur, Preparation and characterization of activated carbon from spent coffee grounds using NaOH and KCl as activating agents, Journal of the Indian Chemical Society (2020) 97 (7), 1115-1118.

Conference Paper

1. **Saurabh Meshram**, Chandrakant Thakur, Tamgadge Ruchita Rahul, Shubhangi Mishra, Adsorption Study Of Resorcinol Onto Iron Impregnated Granular Activated Carbon, International Journal of Research In Science & Engineering, CHEMCON 2017 Special Issue : March 2018.
2. **Saurabh Meshram**, Raghwendra Singh Thakur, Ghoshna Jyoti, Chandrakant Thakur, Anupam B Soni, Taguchi Optimization Of Adsorptive Removal Of Lead From Wastewater Of Lead-Acid Battery Recycling Unit Using Sulphuric Acid Impregnated Gac, Advances in Chemical and Environmental Engineering (16-17 December, ACEE-2021).

3. **Saurabh Meshram**, Chandrakant Thakur, A. B. Soni, Lead removal from battery recycling unit wastewater by adsorption onto steam activated coconut shell granular activated carbon, 6-8 December 2018, NIT Trichy.
4. **Saurabh Meshram**, Chandrakant Thakur, A B Soni, Removal of lead from battery recycling unit wastewater by adsorption onto nitric acid impregnated granular activated carbon, 27-28 December, CHEMCON-2018.

Administrative Responsibilities

1. Warden, Swami Vivekanand Boys' Hostel from August, 2013 to August 2016.
2. RTI officer, SVBH, GGV Bilaspur, 2016.
3. Assistant Superintendent, Exam IT, for the session 2018-19.
4. Co-coordinator of B.Tech. First Year for the session 2018-19 and 2019-20.
5. Member, SC/ST committee of the SoS, E&T, GGV Bilaspur, 2020-21.
6. Member, Scrutiny committee, ECE and Electrical Department, 2022.
7. Member, AICTE 360 Degree Feedback Committee.
8. Cocoordinator, NIRF, Engineering Discipline.

Additional Information

1. Associate Member of the Indian Institute of Chemical Engineers, Since March 2018.
2. Member of the The Institution of Engineers (India).
3. Organizing Committee Member in the International Conference (Online) on "Covid Challenges of Energy and Environment Management for Sustainable Growth of Process Industries (CCEEMSGPI-2021)" organized by Department of Chemical Engineering, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India September 10-11, 2021.
4. Conducted a special Talk on "Hands on Training on DWSIM" as Coordinator.
5. One Indian patent published on Lead Detector.