Resume

Dr. Bholu Ram Yadav

Scientist
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Academic Qualifications

- **2011-2016:** Ph.D. in Environmental Science and Engineering, Centre for Environmental Science and Engineering (CESE), **Indian Institute of Technology (IIT) Bombay**
- **2008-2010:** Masters of Technology (M. Tech.) in Environmental Science and Engineering, CESE, **IIT Bombay**
- **2004-2008:** B. Tech. in Agriculture Engineering, College of Technology and Engineering, Udaipur, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur
- **2019: AMIE in Civil Engineering,** The Institution of Engineers (India) Kolkata**.**

Professional Work Experience

- **Scientist at CSIR-National Environmental Engineering Research Institute (NEERI),** Nagpur, Maharashtra *(Oct. 2019- Ongoing)*
  - Involved in research activities related to wastewater and solid waste management
  - Teaching courses at PG level in AcSIR
- **Assistant Professor in School of Energy and Environment (SEE), Thapar Institute of Engineering & Technology (TIET),** Patiala, Punjab *(Jan. 2017 –Oct. 2019)*
  - Taught courses at UG (Class strength of 250 per class) and PG (class strength 30 per class) level
- **Siemens Information Systems Ltd**. Bangalore, India *(Aug. 2010 –Nov. 2010)*
  - Joined as an Intern and worked on research project entitled ‘arsenic removal from ground water’
- **Ramky Enviro Engineers Ltd.** Hyderabad, India *(Dec. 2010 – Jun 2011)*
  - Worked as a Trainee Engineer for hazardous waste landfill operations, environmental health and safety and environmental laboratory

SCI Publications

Tiwari, R., Azad, N., Dutta, D., **Yadav, B. R.,** and Kumar, S., (2023). A critical review and future perspective of plastic waste recycling. Science of the Total Environment, 881, 163433. **(Impact factor = 10.754)**

Mishra, D., Kumari, S., Jaiswal, A., Arya, S., **Yadav, B. R.,** Thul, S. T., & Pandey, A. **(2021)**. Evaluation of distillery sludge as a soil amendment for improving soil quality and sugarcane (CO-265) yield. **Environmental Technology & Innovation**, 23, 101624. **(Impact factor = 7.758)**

Mandpe, A., Yadav, N., Paliya, S., Tyagi, L., Yadav, B. R., Singh, L., & Kumar, R. **(2021)**. Exploring the synergic effect of fly ash and garbage enzymes on biotransformation of organic wastes in in-vessel composting system. **Bioresource Technology**, 322, 124557. **(Impact factor = 11.889)**

Yadav, B. R. and Garg, A. (**2018**). Hetero-catalytic hydrothermal oxidation of simulated pulping effluent: Effect of operating parameters and catalyst stability. ***Chemosphere***, 191:128-135**. (Impact factor = 8.948)**

Yadav, B. R. and Garg, A. (**2017**). Performance assessment of activated carbon supported catalyst during catalytic wet oxidation of simulated pulping effluents generated from wood and bagasse based pulp and paper mills. ***RSC Advances,*** 7, 9754-9763. **(Impact factor = 4.036)**

Yadav, B. R. and Garg, A. (**2016**). Catalytic oxidation of pulping effluent by activated carbon supported heterogeneous catalysts. ***Environmental Technology*** 17 (8), 1018-1025. **(Impact factor = 3.475)**

Yadav, B. R. and Garg, A. (**2016**). Catalytic hydrothermal treatment of pulping effluent using a mixture of Cu and Mn metals supported on activated carbon as catalyst. ***Environmental Science and Pollution Research*** 23:20081–20086. **(Impact factor = 5.19)**

Yadav, B. R. and Garg, A. (**2014**). Catalytic wet oxidation of ferulic acid (a lignin model compound) in the presence of non-noble metal-based catalysts at mild conditions. ***Chemical Engineering Journal*** 252, 185–193. **(Impact factor = 16.744)**

Yadav, B. R. and Garg, A. (**2012**). Efficacy of fresh and used supported copper-based catalysts for ferulic acid degradation by wet air oxidation process. ***Industrial & Engineering Chemistry Research*** 51, 15778 – 15785. **(Impact factor = 4.326)**

Non-SCI Publications

1. Yadav, B. R. and Garg, A. (**2013**). Ferulic acid degradation by wet oxidation process. ***International Journal of Chem Tech Research*** 5 (2), 654-658.
2. Yadav, B. R. and Garg, A. (**2011**). Treatment of pulp and paper mill effluent using physico-chemical processes. ***Indian Pulp and Paper Technical Association (IPPTA)***, 23 (2): 155 – 160.