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List of Publications and Conferences

Published Article:

1. *Neeraj Kumar, Rosy, Yogesh Chandra Sharma, Biomass-derived gamma alumina decorated mesoporous carbon adsorbent for crystal violet removal from aqueous solution using batch system: Isotherm, thermodynamic and kinetic modelling, Journal of Molecular Structure, Volume 1322, Part 2,2025,140365, ISSN 0022-2860.*
2. *Neeraj Kumar, Archana Pandey, Rosy, Yogesh Chandra Sharma, A review on sustainable mesoporous activated carbon as adsorbent for efficient removal of hazardous dyes from industrial wastewater, Journal of Water Process Engineering, Volume 54,2023,104054, ISSN 2214-7144,*

Conferences Attended:

3. ***ICNOC** conference on the topic, "mesoporous activated carbon supported mesoporous gamma-alumina synthesis and removal of toxic dye from wastewater," 2022. Jamia Millia Islamia University, Delhi.*
4. ***"9th International Congress & Exhibition on Arsenic in the environment,** "Arsenic and other pollutants, water security and one health under global climate change scenario" (As 2024) organised by KIIT Deemed University with KTH Sweden in Odisha on the topic "removal of hazardous wastewater dyes effluent using CHMAC adsorbent: Isotherm, Kinetics and reusability study", 2024 October.*

Communicated Articles:

5. *Neeraj Kumar, Rosy, Yogesh Chandra Sharma, Mesoporous carbon, the versatile adsorbent and catalyst with techno-economic and life-cycle analysis: synthesis, cost, environmental impact and applicability (Submitted under process(communicated)).*
6. *Neeraj Kumar, Rosy, Yogesh Chandra Sharma, Synthesis of a superior mesoporous carbon and its application for removal of Orange G and Rhodamine B from wastewater effluents: Mechanism, isotherm, kinetics and thermodynamics (Submitted under process (communicated)).*
7. *Sharma A, Kumar N, Subrata Panda, Sudesh Kumar, Yogesh Chandra Sharma, Eco-friendly fabrication of CaO nanoparticles from waste marble dust: adsorption studies on treatment of colored effluents (under publication in Surfaces and Interfaces) (Submitted under process(communicated)).*