Special Issue

Nanomaterials Adsorption and Removal of Pollutants and Environmental Remediation

Message from the Guest Editors

This special issue focuses on adsorption and removal of pollutants and environmental remediation by nanomaterials. We invite contributions exploring cutting-edge methods and technologies for the removal and remediation of multiphasic environmental pollutants (gaseous, aqueous, and solid-phase contaminants). Topics include but are not limited to:

- Advanced catalytic nanomaterials for multi-phase pollutant treatment.
- Mechanistic insights into interfacial catalytic processes across gas-liquid-solid systems, and the adsorption mechanisms and the impacts of environmental media.
- Environmental risk assessment and control, including environmental behavior and fate of the nanomaterials and the risk control strategies.
- Emerging contaminant degradation (PFAS, microplastics, pharmaceutical residues) by nanomaterials with other traditional environmental remediation technologies.
- Techno-economic and lifecycle analyses of nanomaterial remediation strategies, and the real-time and online monitoring system in a timely manner.

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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