

Special Issue

Metal Oxide-Based Nanomaterial Remediation of Contaminated Soil and Water

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Metal oxide-based nanomaterial for soil and water remediation, including the preparation methodology, performance, and reaction mechanisms with contaminants of state-of-the-art metal oxide-based nanoparticles (e.g., Al₂O₃, TiO₂, Fe oxides, MnO₂, etc.).
- Modification technology of metal oxide-based nanomaterials for the enhancement of efficiency of environmental remediation, including bimetal doping, solid material as support (carbon material, clay minerals, hydrogel, chitosan, etc.), and surface modifications (silane, amines, thiols, carboxylic acids, etc.).
- The impact of metal oxide-based nanomaterials on the geochemical behavior of pollutants in the environment, especially soil and its remediation mechanisms.
- The adverse aspects, environmental risk, toxicology of metal oxide-based nanomaterials on plants, animals, microorganisms, enzyme activity, and ecosystems.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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