Special Issue

Effective Catalytic Processes for Water and Wastewater Treatment

Message from the Guest Editors

Water scarcity and pollution have become significant global challenges, affecting both the environment and public health. In response to these critical issues, this Special Issue aims to address the development of effective catalytic processes for water and wastewater treatment. This Special Issue invites researchers to contribute original papers, reviews, and communications focusing on advanced catalytic methods for water purification, pollutant removal, and wastewater treatment. Topics of interest include, but are not limited to, the following:

- Advanced oxidation processes (AOPs) for water purification.
- Nanocatalysts for contaminant removal.
- Catalytic material design and synthesis for water treatment.
- Heterogeneous and homogeneous catalysis in water purification.
- Novel catalysts for emerging pollutant degradation.
- Catalytic ozonation and photocatalysis for wastewater treatment.
- Catalytic reactors and their application in water purification.
- Catalytic removal of heavy metals and organic pollutants.
- Sustainable and eco-friendly catalytic approaches for water treatment.

Guest Editors

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Deadline for manuscript submissions

closed (25 August 2024)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).