

Special Issue

Current Developments in Soil Ecotoxicology

Message from the Guest Editor

Pesticides and agrochemicals, fertilizers, persistent organic pollutants, composts and biosolids, heavy metals, PAHs, etc. have long been considered soil pollutants. In recent decades, emerging soil pollutants have increasingly been studied—among them, pharmaceuticals, rare earths, microplastics and nanoplastics, and engineered nanomaterials. In addition to being toxic to soil micro- and macroorganisms, soil pollutants affect plant growth and performance and can be exported to water bodies and to the food chain.

This Special Issue aims to gather studies covering various aspects of this topic, and we encourage scientists to contribute original research papers and reviews dealing with soil ecotoxicology. Articles may include but are not limited to the following topics:

- Toxics in the soil environment
- Source identification of soil pollutants
- Monitoring of soil pollutants; analytical techniques
- Ecotoxicological risk assessment in soil
- Bioindicators
- Emerging pollutants in soil
- Microplastics and nanoplastics in soils
- Engineered nanoparticles as soil pollutants
- Mixture toxicity
- Ecotoxicology of aluminium in soil
- Soil remediation
- Nanoremediation

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



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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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Author Benefits

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Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

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).