

Special Issue

Toxicity Characterization, Detection and Remediation of Contaminants in Soils and Groundwater 2.0

Message from the Guest Editors

The toxicity of heavy metals, pesticides, PAHs and new pollutants poses a significant threat to agricultural soil, sites and groundwater around the world, and has constituted a serious threat to human health. Researchers should aim to exploit the novel environment-friendly, cost-efficient and low-carbon emission characteristics of heavy metals, pesticides, PAHs and new pollutants remediation technology, and look to establish these detection techniques, assessment methods, novel environment-friendly functional materials and multi-technology combination repair strategies as suitable options for the management of agricultural contaminated soils, as well as site and groundwater pollutants. This Special Issue welcomes papers on all relevant topics, including but not limited to the following:

- Toxicity characterization, transformation and degradation of contaminants in natural biogeochemical and engineered processes;
- Detection techniques and assessment methods of pollutants in agricultural soils, site and groundwater;
- Remediation technologies and models of heavy metal-, pesticides-, PAHs- and new pollutants-caused soil, site and groundwater pollution.

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.

Editor-in-Chief

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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).