

Special Issue

The Toxicity of Heavy Metals and Chemical Pollutants in Agricultural Soil and Plants: Ecological Risks and Remediation

Message from the Guest Editor

With rapid developments within industry and agriculture, various solid wastes, excessive pesticides, heavy metals, and other toxic substances have entered the soil, causing huge pollution in soil and plants, causing great adverse effects on human production and life. The purpose of this Special Issue (VSI) is to publish state-of-art studies that gather current knowledge and answer pressing questions about heavy metals and toxicity of chemical pollutants in agricultural soil and plants. This Special Issue will focus on the environmental behavior of contaminants in agricultural soil, plants, and heavy metals, as well as the detection, remediation, and ecological risks of chemical pollutants. Potential topics for this VSI include, but are not limited to, the following:

- The migration and transformation of heavy metals and chemical pollutants, especially new persistent organic pollutants in soil and plants;
- The detection of heavy metals and chemical pollutants in soil or plants;
- New and modified remediation materials (e.g., Biochar) and remediation technologies;
- The ecotoxicology of pollutants on soil or plants;
- Soil microorganisms.

Guest Editor

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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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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).