

Special Issue

Heavy Metals and Pesticide Residue Remediation in Farmland

Message from the Guest Editor

With the intensification of agricultural production, heavy metal and pesticide residue pollution in farmland has become increasingly prominent. These contaminants not only threaten the ecological health of farmland soils and water but can also accumulate in crops, endangering food safety and ultimately human health through the food chain. Public concern over food safety is growing, particularly regarding heavy metals and pesticide residues. There is an urgent need for remediation technologies targeting heavy metals and organic pollutants in farmland to ensure agricultural product safety. This Special Issue focuses on pollution prevention and control technologies for heavy metal and pesticide residues in farmland: Heavy metal pollution prevention and control technologies in paddy fields; Safe utilization of polluted farmland; Pesticide residue degradation technologies; Pollution monitoring and risk assessment; Integrated prevention and control technologies for combined pollution. This Special Issue will provide the opportunity for researchers to discuss challenges and achievements regarding the remediation of heavy metals and organic pollutants in farmland.

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.

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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).