

Special Issue

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

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

Dr. Junhao Qin

Dr. Peidong Su

Dr. Feng Zhu

Dr. Lin Ding

Deadline for manuscript submissions

closed (20 June 2023)



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Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

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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

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

Author Benefits

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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).