

Special Issue

Interfacial Processes of Contaminants in Soil–Groundwater Systems: Transport Transformation, and Sustainable Remediation

Message from the Guest Editors

The interfacial processes of contaminants in soil–groundwater systems are of critical importance for environmental sustainability, serving as a key safeguard for mitigating negative environmental impacts and maintaining soil ecosystem health and water security. This Special Issue seeks innovative research on contaminant behavior at soil–water interfaces, eco-friendly remediation technologies, and policy frameworks for sustainable groundwater management. We welcome high-quality studies integrating experimental, modeling, and field approaches to advance science-driven solutions. Topics of interest include, but are not limited to,

- Contaminant transport and fate in porous media;
- Biogeochemical interactions at interfaces;
- Sustainable remediation strategies (e.g., phytoremediation, biochar);
- Microbial-driven contaminant degradation;
- Socio-economic and policy aspects of groundwater remediation.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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