

Special Issue

Occurrence and Fate of Emerging Contaminants in Soil-Water Systems

Message from the Guest Editors

Emerging contaminants (ECs), including pharmaceuticals, personal care products, microplastics, and per- and polyfluoroalkyl substances (PFASs), pose increasing threats to soil and water ecosystems due to their persistence, toxicity, and potential for bioaccumulation. This Special Issue aims to gather high-quality research and review articles that explore the behavior, distribution, and impact of ECs across soil–water interfaces. We welcome studies employing advanced analytical techniques, modeling approaches, and interdisciplinary methodologies to elucidate contamination pathways, biogeochemical interactions, and ecological consequences. Topics of interest in this Special Issue include, but are not limited to, the following:

- Detection and analysis of ECs in soil and water matrices;
- Transport mechanisms and transformation pathways in porous media;
- Bioavailability, uptake, and trophic transfer in ecosystems;
- Interactions between microplastics, antibiotics, PFAS, and other ECs;
- Advanced remediation technologies for ECs in soil and groundwater;
- Ecological and human health risk assessments;
- Policy and regulatory frameworks for controlling EC pollution.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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