

Special Issue

Advances in Soil and Groundwater Remediation

Message from the Guest Editors

Groundwater and soil are vital Earth resources crucial for sustainable ecosystem development. Yet, these resources face imminent threats due to rapid urbanization, expanding land uses, and growing populations. Urgent remediation of groundwater and soil contamination is imperative to curb bioaccumulation. The toxicity of chlorinated organic compounds and heavy metals poses threats to human health, alongside persistent organic pollutants such as PFAS, PFOS, and pharmaceuticals and personal care products (PPCP). Concepts like Green and Sustainable Remediation and Sustainable Reliance Remediation have emerged in recent years and are being applied to contaminated sites. This special issue seeks contributions focusing on: (1) advanced approaches to field investigations and laboratory experiments for physical and/or biochemical remediation, (2) efficient measurements of biogeochemical and hydrogeological cycling, (3) the application of GSR and SRR for socio-economic and environmental mitigation, and (4) management policies on soil and groundwater remediation. We invite studies that establish links between soil and groundwater resource conservation and contaminant remediation.

Guest Editors

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Deadline for manuscript submissions

closed (25 March 2025)



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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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