Special Issue

Contaminant Transport, Risk Assessment, and Ecological Impacts in Karst

Message from the Guest Editors

This Special Issue of Water focuses on the interdisciplinary aspects of studies of contaminant transport and ecological impacts in karst systems. We will explore the mechanisms of contaminant transport in karst systems, emphasizing the role of hydrological pathways, geochemical interactions, and anthropogenic inputs. Risk assessment frameworks will be explored to evaluate the human and ecological exposure to pollutants, including heavy metals, nutrients, and emerging contaminants. Ecological impacts, such as biodiversity loss, habitat degradation, and disruptions to ecosystem services, are also included. Additionally, findings on integrated management strategies that account for the interconnectedness of surface and subsurface processes are also anticipated, ensuring the protection of water resources and aquatic ecosystems in karstic vulnerable environments. In this Special Issue, we welcome articles that present results and new findings from field, laboratory, and modeling studies on contaminant transport, risk assessment, and ecological impacts in karst systems.

Guest Editors

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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

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