

Special Issue

Recent Advances in Karstic Hydrogeology, 2nd Edition

Message from the Guest Editors

Karst hydrogeology is one of the most challenging topics for related researchers, water managers. The presence of voids, conduits and karst features lead to high heterogeneity and anisotropy, implying often a multidisciplinary approach for this kind of studies since both surface and subsurface hydraulic dynamics are present. These characteristics make karst aquifers complex to study and difficult to manage because of its intrinsic high vulnerability to pollutants. Nonetheless, karst aquifers constitute the major percentage of exploitable drinking water resource for many countries all over the world. This Special Issue has the aim of collecting the most recent and advanced research studies on this topic, in order to overcome issues related to karst water resources, such as vulnerability assessment, climate change and resilience of related karst water exploitation systems, karst coastal aquifers management and modelling. Papers focusing on hydrochemical models are welcomed, as well as conceptual models and recent machine-learning and A.I. models on subsurface flow.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2025)



Water

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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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