

Special Issue

Mountain Karst Aquifers Characterization

Message from the Guest Editors

This [Special Issue](#) is addressed to mountain karst aquifers. They are strategic freshwater reservoirs for sustaining downstream dependent ecosystems, many of which are found in semi-arid areas. 70% of all carbonate rock surface exposures occur in hills and mountainous areas, and approximately 25% of the world's population depends directly or indirectly on water supply from karst aquifers. Given their relevance, it is essential to characterize the hydrological behavior of such mountain karst aquifers, and to protect them to avoid undesirable problems in stored water resources. Topics of interest include, but are not limited to:

- Numerical simulation of groundwater flow.
- Geological, hydrological and hydrogeochemical investigations of karst systems.
- Advances in isotopic investigations of karst systems.
- Time-series analysis of observed karst hydroclimatic variables.
- Karst groundwater vulnerability assessment and remediation.
- Climate change impact assessment in karst aquifers.
- Management and mitigation of karst groundwater resources.
- High-mountain karst geomorphology
- Speleology and exploration of mountain karst systems.

Guest Editors

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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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