



Inland and Coastal Karst Aquifers: Functioning, Monitoring and Management

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Message from the Guest Editors

The special issue is addressed to either inland or coastal karst aquifers. They are both complex systems, but in the coastal ones the complexity of the variable-density flow joins to the complexity of the intrinsic features of the karst medium.

Tentative topics, however partial, are: measuring, monitoring and modelling approaches; role of faults; fractures and karst forms in pollutant transport and/or salinization; intrinsic vulnerability and vulnerability to salinization; relation of karst ground waters with groundwater dependent ecosystems; chemical processes at the land-sea interface and submarine groundwater discharge (its assessment and effects on the marine environment); chemical processes in the mixing zone in relation to tides and sea level change; direct, proxy or remote control of seawater intrusion/salinization; genesis and exploitation of submarine springs; management approaches involving technical and social dimensions.





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

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