

Special Issue

Karst Unsaturated Zone

Message from the Guest Editors

Geosciences and the , in celebration of the International Year of Caves and Karst 2021 (IYCK), announce a Special Issue dedicated to the Karst Unsaturated Zone. At the heart of the critical zone, the unsaturated zone of karst aquifers acts as a very sensitive buffer zone between the anthropised surface and the groundwater resource. The ancient unsaturated zone of buried karst palaeo-aquifers is of interest for underground applications such as oil and gas production or CO₂ storage. These different applications with important societal stakes raise complementary questions. This Special Issue invites contributions dealing with, but not limited to, the following topics: epikarst and transmission zone, karst geomorphology and caves topography, karst genesis, karst inception, palaeokarst, petrophysics, flows and storage in karst unsaturated zones, karst occurrences and their impact on fluids dynamics in buried carbonate reservoirs, outcrop analogues of karstified carbonate reservoirs, and related interdisciplinary and new characterization and modelling techniques including sampling, logging, remote sensing, geophysics, groundwater monitoring.

Guest Editors

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Ms. Caroline Lessio Cazarin

Dr. Patricia Kambesis

Deadline for manuscript submissions

closed (31 December 2021)



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About the Journal

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.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

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