



Micromechanics of Reservoir and Cap Rocks

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 May 2019)

Message from the Guest Editor

This Special Issue of *Geosciences* intends to present both fundamental and applied research on the micromechanics of halite. Halite is a unique material, offering the possibility of studying, under easily-accessible thermodynamic conditions, all the mechanical aspects, from brittle to ductile behavior, and to identify the corresponding microphysical mechanisms and their interactions. Therefore, I would like to invite you to submit your recent works, based on theoretical/numerical and/or experimental research or natural case studies, with respect to the micromechanical aspects of halite deformation mechanisms (crystal plasticity, grain boundary sliding, solution–precipitation) and related microstructural evolution (pore network, dynamic recrystallization, grain growth, interfacial migration). We especially encourage in situ testing/characterization and modelling of the above-mentioned mechanisms.





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Editor-in-Chief

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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.

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.

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