geosciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 5.2

Micromechanics of Reservoir and Cap Rocks

Guest Editor:

Dr. Alexandre Dimanov
Laboratoire de Mecanique des Solides Ecole Polytechnique, Palaiseau, France

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 an 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.

geosciences

IMPACT FACTOR 2.7

CITESCORE 5.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jesus Martinez-Frias
Instituto de Geociencias, IGEO (CSIC-UCM), C/ Del Doctor Severo Ochoa 7, Edificio Entrepabellones 7 y 8, 28040 Madrid, Spain

Message from the Editor-in-Chief

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

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.
Journal Rank: CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Geosciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/geosciences
geosciences@mdpi.com
𝕏@Geosciences_OA