



Induced Seismicity

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Deadline for manuscript submissions:

closed (25 September 2020)

Message from the Guest Editors

Dear Colleagues,

It is widely accepted that rock failure associated with earthquakes is a critical process, as small amounts of perturbations are necessary to lead to failure. Hence, the temporal and spatial distribution of seismicity can be tuned by minute perturbations associated with changes in the tectonic stress field, the withdrawal or injection of fluids, the diffusion of pore pressure, loading/unloading on the surface, mining, and rainfall, among a few others. In many induced seismicity cases, the events have a small magnitude, and adequate processing for signal detection, location, and characterisation are necessary. Additionally, the adequate interpretation of the seismicity and correlation with the stress field and local geology can provide useful insight on how to better exploit resources.

This Special Issue of Geosciences is asking for papers that exploit all of these aspects of induced seismicity, and reports on the developments and ongoing insights into the various aspects of this subject.





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.

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