



Laboratory Geosciences: Modelling Surface Processes

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Deadline for manuscript
submissions:

closed (31 August 2018)

Message from the Guest Editor

Dear Colleagues,

The intention of this Special Issue of Geosciences is to provide an overview regarding the broad field of advanced measurement techniques used to track the dynamics of surface processes and the formation of river networks by means of laboratory experiments.

To date, many numerical models can reproduce, dynamically, the evolution of landscapes forced by atmospheric drivers like precipitation and flowing water, but only scarce research is available on the reproduction of involved phenomena under a physical point of view, focused at the laboratory scale. To fill the gap, new measurement techniques (e.g. structure-from-motion, LiDAR, motion and depth detectors, image processing) can be adopted, designing appropriate laboratory experiments that can give additional insights on the dynamic evolution of landscapes.

This Special Issue aims to cover, without being limited to, the broader field of reproducing the landscape evolution at the laboratory scale, showing new measurement techniques and associated pros and cons.

For planned papers, an abstract will be requested. The authors are required to submit the full manuscript by the deadline of 31 July 2018.





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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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