Special Issue

The Tools and Technical Bases to Reconstruct the Earth and Planetary Geological Processes and Their Outcomes

Message from the Guest Editors

This Special Issue aims to provide reviews for innovative tools and technologies for exploring geomorphic/geological processes on the earth and planetary surface (and even the shallow sub-surface). The tools and technology imply that front-end approaches are necessary to identify, monitor, and model the past evolution and ongoing processes of geology and geomorphology; thus, all contributions from the development of in-orbital remote sensing algorithms, new sensor design, and advanced surface dating methodology are encouraged. A novel modeling scheme to simulate the long term geologic and geomorphic processes can be also included. It is expected that the technical design of each topic is presented together with its practical applications and/or simulation outcomes on any involved test areas. The spatial domain of contributed technical achievement is not limited only to terrestrial surfaces but can be extended to any solid planet or satellite and their shallow sub-surfaces as long as the target domain has involvement with geological and geomorphic processes.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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