

Special Issue

Aeolian Processes and Geomorphology

Message from the Guest Editor

Wind-blown particles shape a substantial portion of the surface of our planet, and play a major role for weather, climate, and several other components of the Earth system. This Special Issue is dedicated to recent progress in our understanding of aeolian processes: transport of sand and resulting landforms; emission, transport and deposition of dust, as well as its impact on the Earth's system; characteristics and impact of aeolian processes in extra-terrestrial worlds; as well as the application of aeolian dust and dune research in the investigation of paleoenvironments, dating of aeolian Quaternary deposits and bedforms. It further aims at highlighting progress in the study of the interaction between aeolian processes and biota, the impact of anthropogenic influences on aeolian sediment dynamics, the development of large sand seas, the characteristics of dune sediments, dune management and the control of dust and drifting sand. Moreover, manuscripts addressing advances in theoretical and numerical models, as well as the newest developments in field and lab techniques, to investigate aeolian particles and bedforms, are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2018)



Geosciences

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Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/10991

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About the Journal

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.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

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