Special Issue

Soil Erosion: Dust Control and Sand Stabilization

Message from the Guest Editor

Soil erosion by wind has significances to the Earth systems and the quality of human life. Climate change of drier conditions are associated with desertification and thus increase dust emission from soils and sand-dune transport.

This special issue on soil erosion invites novel and original articles based on physical and chemical theories, field and laboratory experimental, soil analyses, and/or statistical and mathematical modelling that advance our knowledge on dust control and sand stabilization. Topics of interest include, but are not limited to:

- Applications of natural and synthetic materials to reduce dust emission
- Development of materials and methods for dust control and sand stabilization
- Distribution of atmospheric particulate matter (PM) from dust sources
- Integration of experimental methods and modeling in dust emission
- Impacts of dust control applications on the soil quality and the environments
- Quantification of the efficiency in dust control and sand stabilization applications

Guest Editor

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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