

Special Issue

Soil Erosion Modeling and Monitoring

Message from the Guest Editor

Some of the most important changes that soils have undergone in arid and semiarid regions, where the distribution and intensity of precipitation and wind are irregular, are the consequence of human communities, which have accelerated soil erosion rates and rerouted nutrient flows. When land use changes, along with the fragility of the soil (low levels of organic matter, aggregate stability and nutrients), these regions become very prone to water generation or wind erosion. These processes move enormous amounts of soil, with a consequential ecological imbalance. In this framework, soil erosion, by itself and also in its overriding role in desertification, has become a matter of public concern and intense research.

The Special Issue should present the main studies carried out with the purpose of providing an overview of the key factors and processes influencing soil erosion processes, examining the achievements and main challenges in erosion prediction, identifying major gaps in knowledge and recommending further research oriented towards the mitigation of soil erosion and its negative impacts.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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