Special Issue

Climate Change Impacts on Soil Processes and Ecosystem

Message from the Guest Editor

Soils support all terrestrial life by provision and moderation of ecosystem functions and food and fiber production. Climate change may affect soil processes and therefore ecosystem functions and services on both short and long timescales. The future climate is projected to have changes in temperature and hydrology regimes with increasing frequency in extreme weather events, leading to potential shifts in land use type and intensifying the need for mitigation and adaptation strategies for agriculture. Land management practices have been used to increase soil productivity and general soil health, as well as to enhance the climate change resilience of ecosystems. However, the complex interactions between these management practices and soil processes, and the contribution of these interactions to climate change must be evaluated for how well they perform under present conditions and future climate analogs.
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Guest Editor

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