Special Issue

Soil Sustainability in the Anthropocene

Message from the Guest Editors

The Anthropocene was voted to mark the profound ways in which humans have altered the planet. The pedosphere dominates the biogeochemical and hydro-pedological coupling processes and provides necessary ecological functions. But unreasonable anthropogenic activities have caused many issues to soils. To address these challenging issues, many new technologies have been used in soil science.

This Special Issue will collect new developments and methodologies, best practices, and applications in soil science. We welcome submissions that provide the community with the most recent advancements, including but not limited to the following:

Data processing, machine learning, and geostatistical and spatial analysis; Spatial and temporal changes in soil organic C, N, P, heavy metals, salinity, and so on in representative areas; The global cycle of soil carbon, nitrogen, and water; Digital soil mapping; The relationships between soil properties and human activities; Inversion of soil properties from single and/or multisource sensor-based data; Climate modeling of soil systems; Soils for sustainable agriculture; Characterizing soil carbon and GHG emissions new approaches; Soil biodiversity.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2022)

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