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

Dr. Long Guo

Dr. Xiaodong Song

Prof. Dr. Abdul M. Mouazen

Dr. Peng Fu

Deadline for manuscript submissions

closed (20 October 2022)

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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