

Special Issue

Sustainable Water and Soil Conservation and Management for Agriculture

Message from the Guest Editors

Sustainable water and soil conservation and management in agriculture are critical for maintaining crop productivity and ecosystem health. These challenges must be addressed through integrated strategies, such as the following: regulatory frameworks coupled with innovative practices to preserve soil quality, prevent contamination, and optimise water use; detailed soil mapping and physico-chemical characterization; conservation and regenerative agriculture; the application of organic amendments (compost and biochar) to restore fertility and structure; and high-efficiency irrigation systems with variable-rate fertigation. This Special Issue aims to collect papers on sustainable water and soil conservation and management in agriculture:

- Advanced irrigation and fertigation techniques;
- Conservation and regenerative agriculture;
- Water-footprint assessment;
- Soil mapping and process-based modeling;
- Remote sensing and IoT-enabled monitoring;
- Nature-based solutions and landscape interventions;
- Soil quality, contamination, and remediation;
- Socio-economic analysis and policy frameworks;
- Climate-change adaptation and resilience;
- Integrated case studies and technology transfer.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

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