

Special Issue

The Impact of Extreme Weather on Land Degradation and Conservation

Message from the Guest Editors

In recent years, floods and droughts have become major drivers of land degradation due to their increasing frequency, highly erosive runoff and the changing nature of sediments. Studies on land degradation processes are critical for evaluating the success of prevention efforts and subsequent planning of control and prevention measures to ensure land degradation neutrality targets.

This Special Issue is aimed at gathering contributions in the form of case studies and review studies on methods and modelling applications for land degradation reduction and soil conservation in the context of extreme weather events, such as floods and droughts:

- Soil conservation in agriculture;
- Integrating soil erosion prevention and flood mitigation measures into system-based solutions;
- Scaling soil erosion prevention and flood mitigation measures;
- Societal approaches to land erosion prevention measures, practices of landowners, farmers and indigenous people;
- Land degradation under climate change and adaptation measures;
- Coupled nature-based solutions to protect against soil erosion and measures to mitigate flooding.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



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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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