Special Issue

Innovations in Soil Erosion Assessment and Management along Rivers and Coastal Areas

Message from the Guest Editors

Soil erosion is the removal process of soil by the action of natural and anthropogenic factors. It has become an extended issue worldwide. These processes not only influence the river dynamics, especially in terms of degradation and aggradation, but also influence the coastal dynamics. Indeed, the eroded material within river basins can reach beaches near the river mouth and can act as a natural nourishment. On the contrary, a low soil erosion and transport can cause shoreline erosions. This Special Issue aims to analyze all the main aspects concerning innovations in soil erosion assessment and management and its influences in river and coastal dynamics.

- Soil erosion assessment, management, and modeling.
- Impact of natural factors, such as floods, landslide, and debris flow.
- Impact of anthropogenic factors, such as land use changes and construction of dams and check dams.
- Impact of extreme events and climate change.
- Interactions between soil erosion, river and coastal dynamics and shoreline changes.
- Integration of remote sensing.
- Modeling phases: calibration, validation, and uncertainty quantification.
- Application of modeling to support decision making.

Guest Editors

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Deadline for manuscript submissions

closed (28 June 2024)

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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. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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