



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

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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.





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Message from the Editor-in-Chief

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