

Special Issue

Regional Geomorphological Characteristics and Sedimentary Processes

Message from the Guest Editor

We welcome contributions that explore the dynamics of sediment transport, deposition, and erosion in various geological settings and their implications for water and hydrocarbon resources. **Key Highlights:** • Exploration of sediment transport mechanisms and their impact on riverine and coastal systems;

- Analysis of the interplay between geomorphological features and hydrodynamic conditions;
- Investigation of sedimentary records as indicators of past environmental and geological changes;
- Assessment of human activities on sedimentary processes and geomorphology;
- Implications of geomorphological changes for water resource management and ecosystem health;
- Utilization of remote sensing technologies to monitor and analyze geomorphological and sedimentary processes;
- Applications of machine learning techniques to model and predict sedimentary dynamics and reservoir properties;
- Paleoenvironmental reconstructions and their implications for hydrocarbon exploration.

Please click the below link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/5A TJ699901

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2026)



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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