

Special Issue

River Dynamics: Flow and Sediment Transport

Message from the Guest Editor

This Special Issue, “*River Dynamics: Flow and Sediment Transport*”, seeks cutting-edge research contributions that advance our understanding of river dynamics through data-enabled and physically based approaches. Topics of interest include, but are not limited to, traditional and AI-powered numerical simulations of river evolution, experimental and numerical investigations of sediment transport mechanisms, and analyses of river morphological processes. Both innovative methodological studies and high-quality case studies employing emerging technologies are encouraged. **Keywords:** River Dynamics; Sediment Transport; Computational Model; Machine Learning Model; Deep Learning Model

Guest Editor

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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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