Special Issue

Rivers, Estuaries, and Coastal Zones: Sediment Transport and Morphodynamical Models

Message from the Guest Editor

The overall focus of this Special Issue is on sediment transport and the bottom changes this induces in rivers, estuaries and coastal zones, seeking to foster discussion on sediment transport mechanisms and morphodynamical changes stemming from various hydrodynamical inputs including, but not limited to, wave motion and steady flow. We aim to foster discussion of an extensive range of grain mobility conditions, from incipient motion to a fully mobilised bed, and we particularly encourage submissions that focus on bedload, contact load, and suspended load close to the bottoms of water courses. This Special Issue is dedicated to comparative approaches to the study of sediment transport and morphodynamical change modelling and experiments in rivers, estuaries, and coastal zones. Additionally, we invite contributions that employ new technologies and innovative methodologies for monitoring sediment transport and those that investigate the impacts of global changes on sediment transport in rivers, estuaries, and coastal zones.

Guest Editor

Prof. Dr. Leszek M. Kaczmarek

Department of Civil and Environmental Engineering, Koszalin University of Technology, Koszalin, Poland

Deadline for manuscript submissions

closed (30 September 2025)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/198172

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI