

Special Issue

Compound Coastal Flooding in a Changing Climate

Message from the Guest Editors

This Special Issue aims to highlight the recent progress and help define the future directions of compound coastal flooding and, in general, floods in the littoral zone. Potential topics include, but are not limited to, the following:

- Statistical methods of combined occurrence of different drivers that cause coastal floods considering the future climate.
- Data analysis.
- Numerical modelling of inundation in coastal areas.
- Analysis of relevant coastal flood impacts (e.g., beach morphodynamics, dune overwash and breaching, wave overtopping).
- Integrated flood risk and hazard analyses to facilitate decision-making during flood events and long-term coastal management.
- Real-time forecasting and Early Warning Systems.
- Analysis of case studies.

Guest Editors

Dr. Chiara Favaretto

Department of Civil, Environmental and Architectural Engineering ICEA,
University of Padova, Padova, Italy

Prof. Dr. Claudia Cecioni

Department of Engineering, Roma Tre University, 00146 Rome, Italy

Deadline for manuscript submissions

closed (25 December 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/139198

Water

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

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://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)