

## Special Issue

# Advances in Numerical Modelling of Sea Dynamics

### Message from the Guest Editor

This Special Issue aims at presenting methods, approaches, and results of numerical simulation of sea dynamics. By “sea dynamics”, we mean all kinds of processes in a sea or ocean, including (but not limited to) currents, salinity, sea ice, tracer advection, waves, pelagic, sympagic, and benthic biogeochemical phenomena. Every sea has its own specifics, and we encourage papers on overcoming difficulties of these aspects. Additionally, as the availability and power of multiprocessor computers grow so quickly, we invite papers on high-resolution models, comprehensive coupled models, and on other benefits offered by computing power. Original papers and thematic reviews are accepted.

---

### Guest Editor

Prof. Dr. Ilya Chernov

Institute of Applied Mathematical Research, Karelian Research Centre of the Russian Academy of Sciences, Petrozavodsk, Russia

---

### Deadline for manuscript submissions

closed (30 June 2022)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/84732](https://mdpi.com/si/84732)

*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto: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)