



water



an Open Access Journal by MDPI

Research on Marine Hydrodynamics

Guest Editors:

Prof. Dr. Trygve Kristiansen

Norwegian University of Science
and Technology (NTNU),
Trondheim, Norway

Prof. Dr. David Kristiansen

Norwegian University of Science
and Technology, Trondheim,
Norway

Dr. Yanlin Shao

Department of Civil and
Mechanical Engineering,
Technical University of Denmark,
Nils Koppels Allé, DK-2800 Kgs.
Lyngby, Denmark

Deadline for manuscript
submissions:

closed (15 November 2021)

Message from the Guest Editors

In order to utilize the sea for large-scale harvest of food and energy in a sustainable manner, new and highly cost-efficient marine structures are needed. We have structures with the ability to facilitate large-scale production in mind. In this Special Issue, we would like to focus on floating solar islands and aquaculture.

Floating solar photovoltaics at sea has a significant global potential for the production of renewable energy. Cost efficiency calls for concepts that follow the waves to a large extent. Suggested concepts include large arrays of hinged rigid bodies, and membrane decks in combination with elastic tubes. Similarly, sea-based aquaculture (mariculture) has a considerable global potential for sustainable food production and possibly biofuel (seaweed). Seaweed can, for instance, be produced by large sheets of submerged nets or arrays of ropes, either vertical or horizontal, or in combination[...]

For further reading, please follow the link to the Special Issue Website at: <https://www.mdpi.com/journal>

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



[mdpi.com/si/68552](https://www.mdpi.com/si/68552)

Special Issue

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

ECOLAB, Centre National de la
Recherche Scientifique (CNRS),
University of Toulouse, campus
ENSAT, Auzeville Tolosane,
France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)