



*fluids*



an Open Access Journal by MDPI

## Wind and Wave Renewable Energy Systems

Guest Editors:

**Prof. Dr. Ioannis K.  
Chatjigeorgiou**

School of Naval Architecture and  
Marine Engineering, National  
Technical University of Athens,  
15780 Athens, Greece

**Dr. Dimitrios N. Konispoliatis**

School of Naval Architecture and  
Marine Engineering, National  
Technical University of Athens,  
Heron Polytechniou Ave. 9,  
15773 Zografou, Athens, Greece

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editors

Dear Colleagues,

Wind and wave renewable energy systems offer a vast potential for growth. The onshore and offshore exploitation of wind and nearshore and offshore wave energy absorption are setting new challenges for economic development, while in parallel reducing carbon emissions. This Special Issue of *Fluids* is dedicated to recent advances in the area of wind and wave power. The aim is to demonstrate novel harvesting methodologies or knowledge for electricity production, such as new technologies for wind turbine rotors for wind power, power take off (PTO) characteristics, oscillating water column air turbines with a control system, water turbines, etc. for wave power, or hybrid multipurpose systems for combined wind and wave energy absorption and broader ocean space utilization at large.

Prof. Ioannis K. Chatjigeorgiou

Dr. Dimitrios N. Konispoliatis

*Guest Editors*



[mdpi.com/si/38811](https://mdpi.com/si/38811)

# Special Issue





*fluids*



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. D. Andrew S. Rees**

Department of Mechanical  
Engineering, University of Bath,  
Bath BA2 7AY, UK

## Message from the Editor-in-Chief

*Fluids* (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

## Author Benefits

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

**High Visibility:** indexed within Scopus, ESCI (Web of Science), Inspec, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q2 (*Mechanical Engineering*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/fluids](http://mdpi.com/journal/fluids)  
[fluids@mdpi.com](mailto:fluids@mdpi.com)  
[X@FluidsMdpi](https://twitter.com/FluidsMdpi)