

Special Issue

Advances in Thermo-Fluid Dynamics of Industrial Systems

Message from the Guest Editor

This Special Issue of *Fluids* aims to gather the latest advances in the study of complex thermo-fluid dynamic phenomena relevant to industrial applications, with a particular focus on numerical simulations, model development, and validation. The scope of the topics considered is purposely broad, and encompasses (while not being limited to) innovative heat exchangers, cooling of power systems, ventilation, modeling of advanced materials and fluids, thermal aspects in waste energy recovery, and renewable energy systems, etc., approached using various modeling techniques ranging from high-fidelity simulation to reduced-order models, passing through co-simulation approaches. Studies focused on accurate validation through meaningful experiments and/or addressing uncertainty quantification are of particular interest.

Guest Editor

Dr. Diego Angeli

Department of Sciences and Methods for Engineering, University of Modena and Reggio Emilia, 42122 Reggio Emilia, Italy

Deadline for manuscript submissions

closed (31 August 2021)



Fluids

an Open Access Journal
by MDPI

Impact Factor 1.8
CiteScore 4.0



mdpi.com/si/72665

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

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





Fluids

an Open Access Journal
by MDPI

Impact Factor 1.8
CiteScore 4.0



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. D. Andrew S. Rees

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Mechanical Engineering)