



an Open Access Journal by MDPI

Challenges and Research Trends of Computational Hydraulics and Fluid Mechanics

Guest Editors:

Prof. Michele la Rocca

Dipartimento di Ingegneria, Università degli Studi Roma TRE, Via Vito Volterra 62, 00146 Rome, Italy

Dr. Andrea Montessori

Istituto per le Applicazioni del Calcolo CNR, via dei Taurini 19, 00185 Rome, Italy

Deadline for manuscript submissions: closed (10 January 2022)

Message from the Guest Editors

This Special Issue will illustrate new research trends in computational hydraulics and fluid mechanics, with a particular focus on renewable energy, sustainability, and environmental issues. Contributions regarding the development of new methods and/or the application of known methods to challenging problems are welcome.

Keywords:

- Computational hydraulics
- Computational fluid mechanics
- Innovative computational methods
- Free surface flows
- Shallow water flows
- Multiphase flows
- Complex flows









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Engineering (miscellaneous))

Contact Us

Energies Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/energies energies@mdpi.com X@energies_mdpi