

Special Issue

Multiphysics Coupling Investigation of Turbomachinery

Message from the Guest Editors

We sincerely invite you to share your original, high-quality research manuscripts, showcase your ideas and achievements of various types of turbomachinery including turbines, pumps, pump-turbines, fans, compressors, turbochargers, superchargers, engines, propellers, motors, generators, exciters, and turboexpanders.

Here is a non-exhaustive list of the suggested topics for this Special Issue: - New physical phenomena understanding, new theories; - Analytical, experimental, and numerical investigations; - Advanced scientific and technical methodologies, and engineering applications, etc.; - Multiphysics coupling investigation; - Multiphase flows, turbulence, vortex rope, momentum, heat, and mass transfer; - Vibro-acoustic dynamics, sound and vibration, noise control, fatigue, and damage analysis, Rotordynamics analysis; - Application of AI, IoT, Digitalization, digital twins, cloud computing, intelligent manufacturing, 3D printing; - Open-source code development and application for turbomachinery.

Guest Editors

Dr. Xingxing Huang

Prof. Dr. Zhengwei Wang

Dr. Eduard Doujak

Deadline for manuscript submissions

closed (30 June 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/97163

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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 (Control and Optimization)