



Wind Turbine Advances in 2023

Guest Editors:

Dr. Alessio Castorrini

Department of Mechanical and
Aerospace Engineering,
University "La Sapienza" of
Rome, Rome, Italy

**Dr. Valerio Francesco
Barnabei**

Department of Mechanical and
Aerospace Engineering,
University "La Sapienza" of
Rome, Rome, Italy

Deadline for manuscript
submissions:

closed (10 June 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to collect recent and original contributions on advances in wind turbines and wind energy research. Some of the topics included are:

- Advances in the design and control of wind turbines;
- Annual energy production optimization and loss estimation;
- Control strategies for floating wind turbines;
- Costs and life cycle assessment;
- Leading edge erosion and protection;
- Noise control and environmental impact;
- Predictive maintenance and damage detection in wind turbines;
- Vertical-axis wind turbines for offshore wind energy;
- Wind-energy-based systems and simulations;
- Wind inflow modeling, prediction, and measurement;
- Wind farm layout and control;
- Wind resource assessment;
- Wind turbine aerodynamics and aeroelasticity.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 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 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)