



*energies*



an Open Access Journal by MDPI

## Novel Approaches for Wind Energy

Guest Editor:

**Prof. Dr. Sebastian Brusca**

Department of Engineering,  
University of Messina, 1, 98166  
Messina, Italy

Deadline for manuscript  
submissions:

**20 June 2024**

### Message from the Guest Editor

This Special Issue aims at reaching academics, scientists, and industrial actors interested in the wind energy field to contribute with their achievements to the recent advances in wind energy. This present Special Issue covers a wide range of topics, including:

- Development of resource assessment techniques—prediction, modelling, atmospheric physics, wind farm planning, siting (including off-shore developments), economics, and environmental issues;
- Wind rotors and blades—aerodynamics, aero-elastics, aero-servo-elasticity, aero-acoustics, wakes, rotor, and blade design;
- Wind turbine technologies;
- Control of wind turbines, diagnostics;
- Generator concepts, including gearless concepts;
- Electrical engineering of wind power;
- Grid interconnection, ride-through operation, protection;
- Operations and maintenance—reliability, maintainability, condition monitoring, predictive maintenance, and economics;
- Concept innovations, modeling, systems—design, installation, operation, performance, optimization, and control;
- Structural and mechanical component modeling and design;
- Smart-grid and micro-grid related to wind turbine operation.



[mdpi.com/si/189722](https://mdpi.com/si/189722)

# Special Issue



# energies



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](http://www.mdpi.com)

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