



*energies*



an Open Access Journal by MDPI

## Structural Testing and Health Monitoring of Wind Turbines

Guest Editors:

**Dr. Sérgio Pereira**

Faculdade de Engenharia,  
Universidade do Porto, Rua Dr.  
Roberto Frias, 4200-465 Porto,  
Portugal

**Dr. Filipe Magalhães**

Construct-ViBest, Faculty of  
Engineering (FEUP), University of  
Porto, 4200-465 Porto, Portugal

Deadline for manuscript  
submissions:

**31 December 2024**

### Message from the Guest Editors

In this Special Issue, we aim to collect papers reflecting the current state of the art in the dynamic testing of wind turbine components such as blades and drivetrains, and in the field dynamic testing and monitoring of these wind turbine components and their supporting structures, such as towers and onshore or offshore foundations and their connection.

Papers including a strong experimental component with in-field validations are preferred, but works based on the illustration of new data-processing strategies using numerical simulations or scaled laboratory models with high changes of application in full-scale structures may also be accepted. The description and validation of new sensing technologies applied to wind turbines' components are very welcome.

We look forward to receiving your contributions!



[mdpi.com/si/132122](https://mdpi.com/si/132122)

# 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, CAPus / 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://x.com/energies_mdpi)