

## Special Issue

# Latest Challenges in Wind Turbine Maintenance, Operation, and Safety

### Message from the Guest Editor

With the increasing demand for global clean and renewable energy, wind, wave, and tidal energy sources have become key in the transition towards a sustainable future. More specifically, wind energy is becoming increasingly prominent, both onshore and offshore, due to continuous technological advancements and supportive policies. In recent years, the rapid evolution of operation and maintenance techniques for wind turbines, particularly driven by advancements in artificial intelligence, has further transformed the landscape of the wind energy sector. These technological innovations have not only improved efficiency but also introduced new challenges and opportunities to enhance safety. This Special Issue focuses on the latest changes in wind turbine maintenance operations and safety, exploring the innovations, best practices, and case studies that pertain to these critical topics. We aim to compile recent research that analyzes current trends, existing challenges, and innovations in the operational maintenance and safety of wind turbines.

### Guest Editor

Dr. Estefania Artigao

DIEEAC-ETSIAB, Renewable Energy Research Institute, Universidad de Castilla-La Mancha, 13001 Ciudad Real, Spain

### Deadline for manuscript submissions

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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### 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.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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

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