Special Issue

Recent Development and Future Perspective of Wind Power Generation

Message from the Guest Editor

This Special Issue provides a platform for current research developments in the field of wind energy. The global expansion of wind energy has significantly increased in recent years, both onshore and offshore. This growth can be attributed to growing awareness of the need to transition to renewable energy sources, advancements in turbine technology, and increasing investments. Wind energy is already making a substantial contribution to the electricity supply and the reduction in greenhouse gases in many countries. The further development of wind energy depends on various factors, including wind resources, available land, turbine characteristics, investments, and social acceptance. This Special Issue will consider new and well-organized contributions addressing these factors, recent developments, and future perspectives related to wind energy. Topics of interest for publication include, but are not limited to: Wind resource and wind potential assessment; Wind speed and wind power forecasting; Wind resource availability under climate change; Challenges of future wind energy expansion; Socioeconomic factors of wind energy expansion; Wind turbine design development.

Guest Editor

Dr. Christopher Jung

Environmental Meteorology, University of Freiburg, Werthmannstrasse 10, 79085 Freiburg, Germany

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

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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