

Special Issue

Latest Scientific Developments in Wind Power

Message from the Guest Editors

Wind power, as a clean and renewable energy source, has made tremendous strides over the past decades, playing a crucial role in addressing climate change, ensuring energy supply, and fostering social and economic development. The historic global consensus at COP28 reached to triple renewable energy by 2030, aimed at accelerating the transition towards a sustainable energy system, further underscoring the promising future of wind power. However, we are also keenly aware of the multifaceted challenges that lie ahead. These include the complexity and restriction of development scenarios, the stability of new power grids, the safety and reliability of large-scale turbines, severe inflation, shrinking investment benefits, and the pressing need for environmental friendliness. These challenges necessitate innovative solutions and advancements in wind power technology.

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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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