Special Issue

Vertical-Axis Wind Turbine

Message from the Guest Editors

Wind power is becoming the main power source for electricity generation as expectations for renewable energy increase toward the realization of carbon neutrality. Currently, large propeller-type horizontal-axis wind turbines (HAWTs) have become mainstream, and development is progressing toward further increasing their size; however, this is not easy. For floating offshore wind turbines, vertical-axis wind turbines (VAWTs) could prove to be superior to HAWTs. In addition, there have been proposals for increasing the wind turbine power of small VAWTs owing to the proximity arrangement, and the development of small VAWT wind farms that can effectively utilize the land is expected. Furthermore, owing to the inherent characteristics of VAWTs, low-cost wind power generation equipment can be developed. As we move toward a carbon-free society, it is important to investigate various possibilities and have many options. This is important for advancing the research and development of VAWTs. The purpose of this Special Issue is to collect original research and review papers on various topics related to VAWTs and to explore new possibilities of VAWTs. *Please scan QR code for more information*

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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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