

Special Issue

Wind Energy: Current Trends, Implementations and Future Developments

Message from the Guest Editors

Increased demand in electricity usage has driven humanity to the identification and exploitation of new primary energy sources. However, many factors, such as climate changes, regulations or trends in electricity consumption preferences, indicate renewables as the best adoptable solution. In the short term, among these, wind energy seems to represent the most adequate choice that can cover challenges nowadays. However, even if it is abundant, wind energy lacks the temporal and spatial availability of most types of nowadays used renewable energies. Developed solutions and technologies offer the opportunity to optimize and increase wind energy usage. Namely, optimal and safety usage of the wind power, energy conversion, integration in power systems, power quality or wind management solutions are some of the main research topics that increase the success of clean energy usage in the short and long term.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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