Wind Energy: Current Challenges and Future Perspectives

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Message from the Collection Editors

With regard to climate change, the use of renewable energies has shown a strong increase for several years; wind energy, in particular, has represented one of the most interesting typologies, also seen in different research fields. All of the sectors related to wind energy have shown a significant development, i.e., micro, small, medium, and large wind turbine design; onshore and offshore wind farms analyses; hindcasting and forecasting energy assessment; and wind turbine noise analyses.

Considering the interest of this theme, we are organizing a Special Issue titled "Wind Energy: Current Challenges and Future Perspectives", aimed at reporting the most recent finding from researchers and professional of the sector, in the scope of the following themes.

Original manuscripts covering the following broad themes are invited from researchers and agencies, namely:

- wind turbine aerodynamics
- wind turbine noise
- floating wind turbines
- numerical methods for wind turbines
- wind energy assessment.

mdpi.com/si/46662

TopicalCollection

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Message from the Editor-in-Chief

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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