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Theoretical and Technical Challenges in Offshore Wind Power

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Deadline for manuscript submissions:

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Message from the Guest Editors

Offshore wind energy is becoming a leader in the renewable energy sector. However, expanding the development of offshore wind globally requires further innovation and lower energy costs. Economic pressure has driven the global offshore wind industry continuously towards using larger wind turbines that have larger, longer, and consequently more flexible towers and blades, as well as more complex floating platforms. This Special Issue will deal with theoretical and technical challenges in offshore wind power.

We invite scholars, industrial researchers, and government representatives around the world to submit papers for this Special Issue. Topics of interest include, but are not limited to:

- Assessment of marine wind resources.
- Structure safety of offshore wind turbine.
- Flow field simulation of floating offshore wind turbines.
- Hydrodynamic performance of floating platforms of offshore wind turbines.
- Operation and maintenance strategies for offshore wind power.
- Grid systems of offshore wind farms.
- Tropical cyclone impact on offshore wind farms.
- Environmental impact of offshore wind farms.











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Message from the Editor-in-Chief

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