



Dynamic Modelling and Simulation of Wind Energy Conversion Systems

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Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to publish your latest research results in this Special Issue titled “Dynamic Modelling and Simulation of Wind Energy Conversion Systems”.

This Special Issue seeks to showcase cutting-edge research and upcoming trends in wind turbine technology, with a special focus on the knowledge development of their dynamic behaviour. We welcome submissions on a wide range of topics, including (but not limited to) the following:

- Innovative design and dynamic optimization: advancements in wind turbine structures, materials, and configurations to improve performance and efficiency.
- Dynamic modeling and numerical simulation: research studies using advanced software tools to predict and analyze wind turbine behavior are highly encouraged.
- Intelligent control: smart control systems that optimize energy capture and turbine operation.
- Reliability and maintenance: research on improving wind turbine reliability and developing efficient maintenance strategies is encouraged.
- Wind energy conversion efficiency: this focuses on maximizing the amount of electricity generated from wind resources.





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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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