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Turbomachinery, Energy and Environmental Technologies

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Deadline for manuscript
submissions:
closed (30 June 2022)

Message from the Guest Editor

Dear researchers and colleagues,

The guest editor is inviting submissions for a special issue of *Energies* entitled "Turbomachinery, Energy and Environmental Technologies". This Special Issue aims to disseminate the high-quality fundamental and applied research pertaining to turbomachinery used for energy production with novel technological solutions to reduce adverse impacts on the environment. This peer-reviewed Special Issue will publish papers that present original and significant contributions to the existing knowledge and literature. For this Special Issue, we encourage and welcome original research papers and reviews on the following topics/subjects.

- Blade design
- Computational fluid dynamic analysis of turbomachinery
- Design optimization and modelling of energy systems and storage
- Direct numerical simulations
- Fatigue loading on the blades, turbine lifetime, and material science
- Fluid dynamic aspect of turbine, pump, compressor
- Flow measurement techniques
- Flow through cascade
- Fluid–structure interaction, vibrations
- Hydropower and turbine
- Large eddy simulations
- Multi-phase flow
- Renewable energy and flexibility
- Wind energy and turbine



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Special Issue



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Message from the Editor-in-Chief

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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