

Special Issue

Innovative Trends on Safety of Renewable Technologies

Message from the Guest Editors

This Special Issue aims to investigate emerging technologies to improve the safety and reliability of renewable energy systems by employing advanced materials, innovative design, and functional control systems. The safety of renewable technologies is a dynamic and evolving field, and this Special Issue has a wide scope and discipline focusing on trends to improve safety and reliability of renewable technologies, where theoretical and experimental contributions are welcome. Contributions in the following aspects are particularly welcome:

- Advanced materials for energy conversion, solar energy, energy storage, lightweight structures, fire resistant and harsh environmental conditions;
- Innovative mechanical design for safety management, minimizing failure, thermal management, fire shielding;
- System integration and stability for power generation, energy transmission, fault diagnosis, and environmental monitoring.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2024)



Machines

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Impact Factor 2.5
CiteScore 4.7



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).