

Special Issue

Advancements in Machines and Power Converters for Renewable Power Generation

Message from the Guest Editors

This Special Issue is intended for researchers and practitioners to share their latest research findings and limitations that can be addressed in future research in machines and power converters for renewable power generation. Research including experimental validation or field testing is highly encouraged for submission. Position papers and state-of-the-art reviews are also welcomed. This Special Issue invites papers that cover topics including but not limited to the following:

- Advances in machine design (power density, efficiency, robustness, etc.);
- Advances in drive and power electronic converter topologies (new, high voltage, efficiency, resilient, fault tolerant, power take-off, etc.);
- Advances in system and component reliability-oriented design aspects;
- Advances in design strategies for applying and implementing technologies across disciplines and/or renewable areas;
- Advances in control strategies (high performance, estimation of non-measurable parameters, mitigation of loads, grid integration and grid support, etc.).

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



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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).