

## Special Issue

# Striving Toward a Sustainable and More Electrified Future: The Role of Electrical Machines and Drives

### Message from the Guest Editors

This Special Issue, titled "Striving Toward a Sustainable and More Electrified Future: The Role of Electrical Machines and Drives", aims to explore the pivotal role of electrical machines and drives in advancing sustainability and electrification across various industries. As the world transitions towards a more electrified future to mitigate environmental impact and enhance energy efficiency, electrical machines and drives have played a crucial role in enabling this transition. This Special Issue provides a platform for researchers, engineers, and practitioners to showcase their latest findings, innovations, and insights related to the design, optimization, control, and application of electrical machines and drives for sustainable and electrified systems. We invite you to submit your original work and review papers for publication in this Special Issue of *Machines*. Topics of interest include, but are not limited to, the following:

- **Design and Optimization**
- **Control Strategies**
- **Integration with Renewable Energy Sources**
- **Energy Storage Systems**
- **Electrification of Transportation**
- **Industrial Applications**

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2025)



## Machines

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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.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

#### 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).