



Electrical Machines, Power Electronics and Electric Drives: Challenges and Research Trends

Guest Editor:

Dr. Massimo Caruso

Department of Engineering,
University of Palermo, viale delle
Scienze, Building nr. 9, 90128
Palermo, Italy

Deadline for manuscript
submissions:

closed (5 July 2023)

Message from the Guest Editor

This Special Issue, entitled “Electrical Machines, Power Electronics and Electric Drives: Challenges and Research Trends”, aims to present and disseminate the most recent advances and future perspectives related to the theory, design, modeling, application, and control of industrial electric drives.

Topics of interest include but are not limited to:

- Winding design methods for both traditional and new electric machines;
- Development of multiphase motors and drives;
- Efficiency measurement of electric motor drives;
- Innovative control algorithms of power converters;
- Multilevel converters for industrial motor drives;
- Techniques for power loss minimization in electric motor drives;
- Diagnosis and fault prediction in electric drives;
- Simulation tools, modeling, and analysis of traditional and new electric motors.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)