

Special Issue

New Advances in Permanent Magnet Electrical Machines

Message from the Guest Editor

Permanent magnet synchronous machines have become the most important topologies of electric machines for industrial applications. Electric machines with permanent magnets remain the best candidates due to the possibility of being incorporated in various configurations according to specific applications in conditions of high efficiency. This Special Issue aims to provide an opportunity for researchers to present their recent work on the permanent magnets' electric machines. We welcome any article dealing with:

- New design trends of permanent magnet electric machines;
- Applications of new magnetic materials;
- Permanent magnet electric machines for specific applications;
- New topologies (rotational machines, linear machines, spherical machines, modular machines);
- Demagnetization analysis;
- Magnetic-gear electric machines;
- Noise, vibration, and heat analysis on permanent magnet electric machines;
- Control strategies;
- New adaption techniques to estimate state variables and parameters;
- Optimization techniques.

Guest Editor

Dr. Florin Nicolae Jurca

Department of Electrical Machines and Drives
Technical University of Cluj Napoca, 400114 Cluj-Napoca, Romania

Deadline for manuscript submissions

closed (31 May 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/68793

Energies

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)