

Special Issue

Advanced Materials for Energy Conversion, Distribution and Storage

Message from the Guest Editors

This Special Issue on “Advanced Materials for Energy Conversion, Distribution and Storage” focuses on presenting an in-depth overview of ceramic materials for energy applications, including an evaluation and comparison of available materials and their structures, properties and performance. To link scientific research with technological deployment of energy devices, materials’ requirements used for the development of clean technologies must be mapped and characterised. The Special Issue covers key features of sustainable energy materials, including, but not limited to the following:

- High and intermediate temperature fuel cells and electrolysis;
- Batteries and supercapacitors for energy storage applications;
- Materials for thermal energy conversion and storage;
- High temperature superconductors;
- Ceramic materials for heat-to-electricity conversion devices;
- Advanced nuclear technology.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

Prof. Dr. Gilbert Fantozzi

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.6 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2025).