Special Issue

Solid Oxide Fuel Cells: Modelling and Research

Message from the Guest Editor

As global electricity demand continues to rise, the imperative to develop sustainable and environmentally friendly energy solutions has never been greater. This Special Issue aims to contribute to the advancement of sustainable energy solutions and the transition from conventional power generation to SOFC-based electricity generation. Topics of Interest: The Special Issue welcomes submissions on a wide range of topics, including but not limited to:

- SOFC Materials and Fabrication Techniques;
- Cell Design and Optimization;
- Stack Development;
- System Integration and Configuration;
- Hotbox Component Improvements: ;
- Fuel Flexibility;
- Anode/Cathode Off-Gas Recirculation;
- Thermal Management;
- Modeling and Simulation;
- Environmental Impact and Emissions;
- Techno-Economic Analysis.

Guest Editor

Dr. Iman Rahimipetroudi

LightWorks Department, Center for an Arizona Carbon-Neutral Economy (AzCaNE), Arizona State University, P.O. Box 875402, Tempe, AZ 85287-5402, USA

Deadline for manuscript submissions

closed (25 March 2025)

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

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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 Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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