

Special Issue

Solid Oxide Fuel and Electrolysis Cells: Operation, Performance and Technologies

Message from the Guest Editors

This Special Issue on “Solid Oxide Fuel and Electrolysis Cells: Operation, Performance and Technologies” seeks high-quality novel works focusing on the latest advances in SOFCs and SOECs technologies. The key topics covered by this Special Issue include, but are not limited to, the following:

- Synthesis and characteristics of the SOFC/SOEC anode, electrolyte, interconnects, and cathode materials;
- Low/intermediate-temperature SOFC/SOEC techniques;
- Microstructural improvement of the SOFC/SOEC supporting layers;
- Novel fabrication methods and stack design techniques;
- New SOFC/SOEC structures (e.g., tubular, flat tubular, planar, segmented-in-series, metal-supported);
- Simulation and modelling of SOFCs/SOECs;
- Numerical studies and diagnostic methods;
- Other methods to use or produce hydrogen.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2024)



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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.

Editor-in-Chief

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