



Recent Advances of Solid Oxide Fuel Cells (SOFC)

Guest Editors:

Dr. Vanja Subotic

Institute of Thermal Engineering,
Graz University of Technology,
Graz, Austria

Prof. Dr. Teko W. Napporn

Institut de Chimie des Milieux et
des Matériaux de Poitiers (IC2MP)
UMR 7285 CNRS, University of
Poitiers, Poitiers, France

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

Solid oxide fuel cells are highly efficient electrochemical devices that convert chemical energy of gaseous fuels directly into electrical energy and in an environmentally friendly manner. They are a very promising candidate for future fuel cell-powered energy society, especially when considering stationary high-power systems.

This special issue “Advances in Solid Oxide Fuel Cells” seeks high quality works focusing on the latest advances in solid oxide fuel cell technology considering:

- materials development
- single-cell, stack and system development
- optimizing operating environment
- modelling and numerical analysis of SOFCs
- fuel flexibility
- internal reforming
- degradation mechanisms in solid oxide fuel cells
- online monitoring tools





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

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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, St. Alban-Anlage 66
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)