



## Advances in Ceramic Fuel Cells

Guest Editors:

**Dr. Michał Mosiątek**

Institute of Catalysis and Surface  
Chemistry of the Polish Academy  
of Sciences, Krakow, Poland

**Prof. Dr. Piotr Jasinski**

Faculty of Electronics,  
Telecommunications and  
Informatics, Gdansk University of  
Technology, ul. Narutowicza  
11/12, 80-233 Gdansk, Poland

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editors

Dear Colleagues,

Solid oxide fuel cells (SOFCs) show the highest efficiency among all energy conversion devices and are attractive for energy storage by operating reversible modes.

This Special Issue focused on SOFCs, solid oxide electrolyze cells (SOECs), reversible solid oxide fuel cells (RSOCs) and proton conducting fuel cells (PCFC) seeks high quality works focusing on the latest advances on topics such as materials development; materials preparation methods; electrochemical methods devoted to the analysis of cathode and anode reaction mechanisms as well as sources of energy losses; single-cell, stack, and hybrid systems; modeling and numerical analysis; and descriptions of degradation mechanisms. Submissions covering other topics will also be considered if they are relevant to the Special Issue theme.

Dr. Michał Mosiątek  
Prof. Dr. Piotr Jasinski  
*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)