



Nanostructured Materials for Fuel Cells

Guest Editor:

Dr. Ram K. Gupta

Department of Chemistry,
National Institute for Materials
Advancement, Pittsburg State
University, Pittsburg, KS 66762,
USA

Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editor

Fuel cells are devices that convert chemical energy into electrical energy, playing a vital role in overcoming the energy crisis in all world. This Special Issue covers all types of fuel cells, such as proton exchange membrane fuel cells, solid oxide fuel cells, alkaline fuel cells, phosphoric acid fuel cells, molten carbonate fuel cells, carbon fuel cells, and direct methanol fuel cells. A recent development in the area of various type of fuel cells based on nanostructured materials emphasizing synthesis, characterization, and technology advancement are some of the prime areas of focus. Original research articles or review papers are solicited on various types of fuel cells and materials used in fuel cells.

This Special Issue includes but is not limited to the following topics:

- Fuel cells;
- Hydrogen production;
- Nanostructured materials for fuel cells;
- Electrocatalysts for hydrogen and oxygen evolution reactions;
- Materials for high/low-temperature fuel cells;
- Low/non-Pt catalyst for fuel cells;
- Electrochemical energy conversion.

Prof. Dr. Ram K. Gupta

Guest Editor



mdpi.com/si/31938

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)