

Special Issue

Materials for Energy Applications

Message from the Guest Editor

Materials for energy applications are used to facilitate the transition to a sustainable energy system, which can make notable contributions to the field of energy applications using functional materials. Materials for energy harvesting can convert solar energy into electricity or chemical fuels, such as hydrogen or methanol. Materials for energy transport and storage can deal with storage of both electric energy in batteries and supercapacitors, and of chemical fuels, such as hydrogen. Fuel cells and thermoelectric materials can be used for energy conversion. This Special Issue of the *International Journal of Molecular Science* will, thus, aim at presenting the most recent findings in the field of materials for energy applications. We invite the contribution of reviews papers and/or original research papers, which focus more on "molecular" or "applications" aspects of materials in this field.

Keywords:

- Energy material
- Photocatalyst
- Secondary battery
- Hydrogen storage materials
- Sustainable materials
- Renewable resources

Guest Editor

Dr. Sun-Jae Kim

Department of Nanotechnology and Advanced Materials Engineering,
Sejong University, Seoul 05006, Republic of Korea

Deadline for manuscript submissions

closed (29 January 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/17865

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)