



Nanostructured Materials and Energy-Related Devices

Guest Editors:

Dr. Daniel Torres

Instituto de Carboquímica-CSIC,
Calle Miguel Luesma Castán, 4,
50018 Zaragoza, Spain

Dr. Rubén Rizo

University Institute of
Electrochemistry, University of
Alicante, 03690 Alicante, Spain

Deadline for manuscript
submissions:

closed (20 December 2021)

Message from the Guest Editors

With at least a dimension or a feature between 1 and 100 nm, nanostructure materials are the basic bricks of nanomaterials science and nanotechnology. An important part of research in nanomaterials is their synthesis and application in devices where their exceptional properties, conferred by their size, make a difference. These properties, including chemical, optical, magnetic, thermal, and electrical, contribute to the development of advanced devices.

This Special Issue aims to cover recent progress in the synthesis of nanostructured materials, and their application in energy conversion and storage devices including, but not limited to, fuel and solar cells, batteries, and supercapacitors. The objective of this Issue is to provide the readership with a collection of articles, in which emphasis is placed not only on the synthesis of new nanostructured materials, but also on an understanding of the physicochemical characteristics responsible for improved performance in the application.

Keywords: nanostructured materials; processing and production; physicochemical characterization; energy conversion devices; energy storage devices





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), Inspec, CAPlus / SciFinder, and other databases.

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

Contact Us

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

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

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