



Micro- and Nanomaterials for Energy Storage Applications

Guest Editor:

Dr. Minas M. Stylianakis

Department of Electrical &
Computer Engineering, Hellenic
Mediterranean University (HMU),
Estavromenos P.B 1939,
Heraklion, GR-71410 Crete,
Greece

Deadline for manuscript
submissions:

closed (27 June 2019)

Message from the Guest Editor

Dear Colleagues,

The expansion of low-cost, high-energy-density and long-serving-life energy storage applications remains a great challenge to improve the trade-off between global energy supply and demand, with intense technological significance for portable electronics, electric vehicles, and grid-scale energy storage. In this context, the incorporation of micro and nano- structured materials plays a key role in the realization of advanced energy storage devices, due to their exceptional and tunable properties, such as mechanical and electrical properties, high surface-to-volume ratio, etc.

Potential topics include, but are not limited to:

- Micro- and nanomaterial design and synthesis
- Electrode materials and electrolytes for batteries
- Capacitors and supercapacitors
- Fuel cells
- Thermal energy storage
- Chemical energy storage
- Performance, lifetime and degradation studies





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Andreas Jossen

Institute for Electrical Energy
Storage Technology (EES),
Technical University München
(TUM), Arcisstrasse 21, 80333
Munich, Germany

Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

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](#), [Ei Compendex](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrochemistry*) / CiteScore - Q2 (*Electrochemistry*)

Contact Us

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

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

mdpi.com/journal/batteries
batteries@mdpi.com
[X@batteriesmdpi](https://twitter.com/batteriesmdpi)