

## Special Issue

# Advanced Materials and Composites in Energy Storage and Conversion Systems

### Message from the Guest Editor

To help to address global environmental problems caused by carbon emissions, the demand for developing renewable energy such as wind and solar power is growing rapidly. Considering their intermittent nature, reliable and safe energy storage systems play an essential role in developing a sustainable and modern society. The choice of low-cost, safer, environmentally benign materials is essential to realize effective renewable energy storage. The present Special Issue aims to provide the most up-to-date knowledge relating to advanced materials in energy storage and conversion systems. For work to be published in this issue, it must be linked to the energy storage and conversion field. Topics include but are not limited to the following: 1) electrode and membrane materials for batteries; 2) new inorganic or organic materials for energy systems; 3) hydrogen production and storage technology; 4) fuel cells; 5) long-duration energy storage (LDES) technology; 6) catalysis for the conversion of syngas (derived from coal, natural gas, etc.).

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2023)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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### 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.

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