

## Special Issue

# Advanced Batteries and Electrochemical Sensors: Design, Development and Application

### Message from the Guest Editor

The aim of this *IJMS* Special Issue on advanced batteries and electrochemical sensors is to bring together diverse perspectives on electrochemistry and its applications, highlighting a variety of research trajectories grounded in common electrochemical principles and characterization. We welcome original research articles and comprehensive reviews focused on innovative materials and molecular design strategies that enhance battery performance, as well as advancements in electrochemical sensors for small molecules detection in biomedical, food and environmental pollutants. Submissions should emphasize the significance of molecular design and underlying interaction. We invite you to contribute and showcase pioneering developments that are shaping the future landscape of energy storage and sensor technologies.

### Guest Editor

Dr. Zhengkun Xie

College of Chemistry & Center of Advanced Analysis and Gene Sequencing, Zhengzhou University, Zhengzhou, China

### Deadline for manuscript submissions

closed (30 June 2025)



## 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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### Editor-in-Chief

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