

# Special Issue

## (Di)electrical and Catalytic Functionality in Advanced (Bio)materials: Synthesis and Structure–Properties Investigation

### Message from the Guest Editors

We invite you to contribute to this Special Issue of MDPI's *International Journal of Molecular Science*, named “(Di)electrical and Catalytic Functionality in Advanced (Bio)materials: Synthesis and Structure–Properties Investigation”. This Special Issue welcomes novel manuscripts dealing with previously unpublished advances in the following areas:

- Design of novel advance (bio)-based materials/systems followed by their optimized preparation techniques (e.g., using green methods along with post-processing);
- Use of conventional and advanced characterization techniques (alone or in combination) and monitoring (*in situ/operando*) of (micro)structural characteristics under steady or variable conditions (frequency, temperature, atmosphere, substrate etc.) that have a significant influence on the final properties (thermal, (di)electrical, catalytic, mechanochemical, and other (in)directly influenced by structural modifications and compositions) and structure–properties correlations;
- Application and compatibility studies: implementation of prepared advanced (bio)materials in target application areas (e.g., catalysis, sensors, battery components, etc.)

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### Guest Editors

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# International Journal of Molecular Sciences

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### Deadline for manuscript submissions

closed (20 November 2024)



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## 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.

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### Editor-in-Chief

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