

## 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 This Special Issue welcomes novel manuscripts dealing with previously unpublished advances in the following areas: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.)

### Guest Editors

Dr. Jana Pisk

Department of Chemistry, Faculty of Science, University of Zagreb, Horvatovac 102a, 10000 Zagreb, Croatia

Dr. Luka Pavic

Division of Materials Chemistry, Laboratory for Functional Materials, Rudjer Boskovic Institute, 10000 Zagreb, Croatia

### Deadline for manuscript submissions

closed (20 November 2024)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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