

Special Issue

Advances in the Chemistry of Porphyrins and Related Macrocycles 2.0

Message from the Guest Editors

Porphyrins and related macrocycles possess widely tunable physico-chemical properties controlled by peripheral substitution or metal coordination in the inner core. Recent progress in their synthesis and the fundamental understanding of their properties has led to significant advances in nanomaterial-based porphyrins for manifold applications. In this respect, nanostructured materials with peculiar optical properties are attracting increasing interest since their optical response, in terms of electronic absorption, emission fluorescence, optical activity, photocurrent generation and so on, can be largely influenced by slight changes in the micro-environments and in the presence of specific analytes. This Special Issue welcomes the submission of original research papers or comprehensive reviews that demonstrate or summarize significant advances in the porphyrin chemistry in terms of synthesis and application with novel functional nanostructures with potential applications in sensors, optoelectronic devices, and/or nanomedicine.

Guest Editors

Dr. Maria Angela Castriciano

Prof. Dr. Luigi Monsù Scolaro

Prof. Dr. Andrea Romeo

Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/88489

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



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.

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

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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)