

Special Issue

Transition Metal Catalysis: From Synthesis to Late-Stage Functionalization of Aromatics and Heterocycles

Message from the Guest Editors

This Special Issue is dedicated solely to exploring recent advancements in the synthesis and utilization of transition metal complexes (TMCs) in conjunction with the catalytic construction and functionalization of aromatics and heteroaromatics. We aim to gather contributions from leading experts across academic and industrial sectors involved in this molecular field. We invite submissions of original research articles and critical reviews that highlight novel synthetic routes for TMCs, sustainable protocols, mechanistic investigations, and applications of TMC-catalyzed processes in aromatics' synthesis, functionalization, and valorization. By showcasing the latest advancements and perspectives in this domain, we aim to foster cross-disciplinary collaborations and develop innovative solutions in molecular science.

Guest Editors

Dr. Antonio Del Vecchio

Department of Chemistry and Industrial Chemistry, University of Pisa,
56124 Pisa, Italy

Prof. Dr. Fabio Bellina

Department of Chemistry and Industrial Chemistry, University of Pisa,
56124 Pisa, Italy

Deadline for manuscript submissions

30 August 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/198275

*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)