

# Special Issue

## Synthesis of Advanced Polymer Materials

### Message from the Guest Editor

Polymer materials are found in almost every material used in daily life, and their importance has been highlighted because of their wide applications. With the rapid development of modern society, developing new and/or advanced polymer materials is constantly required. Therefore, the synthesis of advanced polymers has attracted considerable attention. This Special Issue of the *International Journal of Molecular Sciences* will focus on a collection of excellent research articles and review papers related to the synthesis of advanced polymer materials involving polymer synthesis, polymer chemistry, and polymer functionalization and modification. Every paper submitted for consideration is welcomed to report novel synthesis techniques, new synthesis methods and approaches (especially catalytic systems for polymer synthesis), new polymer materials originating from new monomers or comonomers, chemical modifications of polymers, etc. Topics of interest for this Special Issue include, but are not limited to:

Polymer synthesis; Polymer chemistry; Coordination polymerization; Organometallic catalysts; Polyolefin; Green and sustainable polymeric materials.

---

### Guest Editor

Prof. Dr. Haiyang Gao

School of Materials Science and Engineering, Sun Yat-sen University, Guangzhou 510275, China

---

### Deadline for manuscript submissions

closed (15 December 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/128956](http://mdpi.com/si/128956)

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

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

[ijms](http://ijms.mdpi.com)

## 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)

