

Special Issue

Bio-Polymer Materials and Bio-Refinery

Message from the Guest Editors

Plastic pollution has caused irreversible damage to the soil and water environment. In order to solve this problem, many countries have begun to implement the plan of "banning the use of non-degradable plastics". It is of great significance to use renewable biomass (e.g., cereals, legumes, straw, bamboo, and wood flour) as raw material to obtain biopolymer materials or monomers through biological or chemical transformation, and then to further polymerize them to form degradable & bio-based materials.

The purpose of this Special Issue is to solicit innovative technologies and methods for the efficient conversion of green and renewable starch, chitosan, and lignocellulosic biomass into renewable energy, materials, and chemicals through the biorefinery process, with a specific focus on industrial applications. The Special Issue aims to attract academics, researchers, students, post-graduate students, and professional engineers dealing with, but not limited to, biobased materials and polymers, as well as biorefinery technology.

Guest Editors

Prof. Dr. Haisong Wang

Dr. Qiang Yang

Dr. Ling-Ping Xiao

Deadline for manuscript submissions

closed (30 November 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/120216

*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)