



an Open Access Journal by MDPI

Biodegradable Polymer: From Design to Applications 2.0

Guest Editor:

Dr. Raju Adhikari

School of Science, College of
Science, Technology, Engineering
& Mathematics (STEM), RMIT
University, Melbourne, VIC 3000,
Australia

Message from the Guest Editor

The frontier of bio-based and biodegradable polymers is constantly moving forward. With finite petroleum resources, and a growing problem of persistent plastics accumulating in the environment, bio-based and biodegradable plastics are the clear material of choice for the future.

Deadline for manuscript submissions:

closed (30 June 2023)

For medical, agricultural, and industrial applications, there has been a huge interest in, and research conducted, on advancing the knowledge and understanding of their synthesis, and the structure–property–application relationship. Emerging areas of research in the fabrication and processing of biodegradable nanomaterials, nanoparticles, and nanofibers into devices has taken biodegradable polymers to advanced applications such as sensors, smart scaffolds, and the controlled delivery of bioactives and therapeutics.

This Special Issue focuses on a broad range of state-of-the-art technologies in the synthesis and fabrication of biodegradable polymers, and their properties and applications in novel and commercial products, as well as unmet challenges and future frontiers.



mdpi.com/si/117481

Special Issue



an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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