



Conducting and Biodegradable Polymers, a New Concept for Current and Future Biomedical Applications

Guest Editors:

Dr. Juan Torras-Costa

1. Department of Chemical Engineering (EEBE), Universitat Politècnica de Catalunya, C/Eduard Maristany 10-14, Ed I2, 08019 Barcelona, Spain
2. Barcelona Research Center for Multiscale Science and Engineering, Universitat Politècnica de Catalunya, C/Eduard Maristany 10-14, Ed I2, 08019 Barcelona, Spain

Prof. Dr. Jordi Puiggali

Chemical Engineering Department, Universitat Politècnica de Catalunya, c/Eduard Maristany, 08019 Barcelona, Spain

Deadline for manuscript submissions:

closed (31 January 2023)

Message from the Guest Editors

New biomaterials are playing a very important role in current and future applications of biomedicine. The role that new developing materials are playing in biodegradable polymers and intrinsic conductive polymers is growing in importance. Polymeric materials exhibiting biodegradability can be designed with planned obsolescence in such a way that they will disappear from living biological systems once they have fulfilled their pre-established function, leaving no harmful by-products. On the other hand, polymeric materials with intrinsic conductivity allow one to take advantage of their electrical, optical properties in the field of biomedicine. However, the conjunction of both materials shows the greatest potential with the recent emergence of new biodegradable conductive materials. These have experienced rapid growth by taking advantage of both materials properties, becoming an ideal material for current and future biomedical applications. This Special Issue will focus on biodegradable polymeric materials, conductor polymers and composites, as well as their properties and applications to face new biomedicine challenges.





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
X@IJMS_MDPI