

Special Issue

Recent Advances in Biotechnology

Message from the Guest Editors

The 21st century is witnessing a rapid progress in biotechnology that will likely revolutionize medical interventions not only in the area of transplantology but also in that of drug delivery, with the identification of the most suitable cell subpopulations as primary therapeutic targets in oncology and in tissue regeneration. Furthermore, our understanding of the biology of cancer allows for pinpointing cell populations (cancer stem cells, cancer initiating cells, cancer propagating cells) that are responsible for therapeutic failure. On the other hand, in the material science area, new composite materials (biodegradable and non-biodegradable) are being developed that may replace specific components of the connective tissue in different specialized organs. The Special Issue aims to present diverse advances in biotechnology (i) at the level of cell and tissue engineering, (ii) at the level of advanced cancer therapy development, and (iii) at the level of biomaterial and general biotechnology science.

Guest Editors

Prof. Dr. Marek J. Łos

Centre of Biotechnology, Silesian University of Technology, 44-100 Gliwice, Poland

Dr. Artur Cieślak-Pobuda

Stem Cell Group, Nordic EMBL Partnership Center for Molecular Medicine Norway, University of Oslo, P.O. box 1137, Blindern, 0318 Oslo, Norway

Deadline for manuscript submissions

closed (31 December 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/41318

*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)