

Special Issue

Naturally Derived Macromolecular Compounds for Biomedical, Pharmaceutical, Cosmetic, and Food Applications - in Memory of Professor Federica Chiellini

Message from the Guest Editors

In nature, macromolecules play different roles including support, storage, protection, transport, stimulation and communication among cells and microorganisms. The observation of nature and the awareness of scientists towards those functions have encouraged the growth of modern research and applicative fields, such as nanotechnology, tissue engineering, drug delivery and regenerative medicine. Additionally, industrial interest for macromolecules also covers cosmetics, food and nutraceutical applications.

This Special Issue aims to collect research contributions and critical reviews concerning naturally derived macromolecular compounds for biomedical, pharmaceutical, cosmetic, and food applications. This Special Issue is dedicated to the memory of Professor Federica Chiellini, a truly admirable person, friend, and insatiable scientist. Federica died prematurely last March, 2021. Her studies have been a stimulus for many of us, marking the progress of research in polymers and macromolecules applications.

Guest Editors

Prof. Dr. Anna Maria Piras

Department of Pharmacy, University of Pisa, 56126 Pisa, Italy

Dr. Dario Puppi

Department of Chemistry and Industrial Chemistry, University of Pisa, 56126 Pisa, Italy

Deadline for manuscript submissions

closed (15 August 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/87737

*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)