

Special Issue

Molecular Aspects of Environmental Pollutants on Soil Microbial

Message from the Guest Editors

The presence of microorganisms is one of the determinants of soil quality, which also influences its processes. Achieving a good understanding of the soil microbial community remains a challenge due to the complexity of community composition and interactions of the environment. An increase in the environmental pollution level and the possibility of the presence of new substances of anthropogenic origin in the environment make it necessary to monitor the changes that occur in soil microbial communities. Therefore, a multidisciplinary approach combining knowledge and experience from different areas such as sciences of microbiology, toxicology, biotechnology, environmental chemistry, environmental engineering, molecular biology, metagenomics, metaproteomics, and metatranscriptomics should be implemented. An important issue is the identification of biotic and abiotic factors influencing the microbial composition of soils. This Special Issue is open to extensive review papers and innovative research studies on problems related to the identification and impact of pollutants affecting microbial communities of soils based on molecular biology techniques.

Guest Editors

Dr. Elżbieta Wołejko

Dr. Urszula Wydro

Dr. Agata Jabłońska-Trypuć

Deadline for manuscript submissions

28 February 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/214962

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://ijms.mdpi.com)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

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 (Inorganic Chemistry)