

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

closed (20 September 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/214962

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)