



## Biodegradation of Pollutants in the Environment: Omics Approaches 2.0

Guest Editor:

**Dr. Irina Sousa Moreira**

CBQF—Centro de Biotecnologia e Química Fina, Laboratório Associado, Escola Superior de Biotecnologia, Universidade Católica Portuguesa, 4169-005 Porto, Portugal

Deadline for manuscript submissions:

**closed (30 November 2023)**

### Message from the Guest Editor

Biodegradation by microorganisms is considered a cost-effective and environmentally friendly process for the removal of contaminants from natural ecosystems, as well as for preventing their release from sources of pollution. Reviews and original articles focused on the biodegradation of pollutants, particularly concerning the use of omics tools and understanding molecular mechanisms, are welcome.

### Keywords:

- biodegradation
- pollutants
- genomics
- proteomics
- metabolomics
- metagenomics
- transcriptomics
- degrading microorganisms
- metabolic pathway of degradation





an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI