



an Open Access Journal by MDPI

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/Porto, 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



mdpi.com/si/123347

Special Issue



an Open Access Journal by MDPI

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

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.

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)

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