

Special Issue

Microbial Evolutionary Genomics and Bioinformatics

Message from the Guest Editor

This Special Issue is a curated collection that brings together the latest research at the intersection of microbial evolution, genomics, and bioinformatics. This issue aims to provide a comprehensive overview of how advanced computational methods and genomic data are revolutionizing our understanding of microbial life and its evolutionary history. The key themes and topics covered in this Special Issue include, but are not limited to:

- Microbiomes genomics;
- Bacteria genomics diversity and evolution;
- Virus genomics and evolution;
- Microbial pathogenicity genomics;
- Bioinformatics advances in microbial research;
- Microbial-genome-encoded bioactive molecules.

Research articles and comprehensive reviews are also welcome.

Guest Editor

Prof. Dr. Agostinho Antunes

1. CIIMAR/CIMAR, Interdisciplinary Centre of Marine and Environmental Research, University of Porto, Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos, s/n, 4450-208 Porto, Portugal
2. Department of Biology, Faculty of Sciences, University of Porto, Rua do Campo Alegre, 4169-007 Porto, Portugal

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Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for
Environmental Research, 04318 Leipzig, Germany

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).