

Special Issue

Natural Compounds Targeting Quorum Sensing in Microorganisms

Message from the Guest Editors

The aim of this Special Issue is to present a current and compelling collection of research articles that expand the knowledge about various aspects of microbial behavior regulated with quorum sensing. The proposed Research Topic editors will welcome authors to publish state-of-the-art research focusing on the following themes:

- Quorum sensing inhibitors as anti-infective agents.
- Novel quorum sensing messengers and their role in microbial physiology.
- Antibiotics as quorum sensing modulators.
- Interspecies relationships related to quorum sensing modulation.

Guest Editors

Dr. Alexey Vasilchenko
Dr. Dmitry G. Deryabin
Dr. Larisa Yu. Nesterova

Deadline for manuscript submissions

closed (31 December 2022)



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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

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).