Special Issue

Complex Signal Transduction Systems in Bacteria

Message from the Guest Editor

Throughout their life, bacteria interact with their surrounding by exchanging information with other cells, by exploring optimal growth conditions, and by sensing and responding to environmental stress. Thus, the signaling network of bacteria is a complex and indispensable aspect of bacterial life. Therefore, it is not surprising that research in this field is highly dynamic, and novel and important phenomena and mechanisms related to bacterial signaling are continuously uncovered and elucidated. The bacterial cell is surrounded by the cell envelope, which is the basis for the cell's shape and its physiological individuality. Signaling can thus be conceptually divided into processes which occur outside the cell, across the membrane between the interior and the exterior and within the cytoplasmic compartment. This Special Issue shall provide new insights into all facets of the complex signal transduction systems in bacteria.

Guest Editor

Prof. Dr. Kirsten Jung
Ludwig-Maximilians-Universität München, Munich, Germany

Deadline for manuscript submissions

closed (30 November 2022)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/61581

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

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

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

Author Benefits

High Visibility:

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 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).

MDPI