

Special Issue

Antimicrobial Resistance and Genetic Elements in Bacteria, 2nd Edition

Message from the Guest Editors

Plasmids, transposons, insertion sequences, and integrons are among the genetic elements that more greatly contribute to the spread of antimicrobial resistance genes. These genetic elements allow a continuous intra- and intercellular dialogue among them, and with chromosomes. Their mediated gene shuffling and horizontal transfer allow bacteria to shift their phenotypes to different antimicrobial resistances. The scope of this Special Issue is to collect original articles to update knowledge on the role played by different genetic elements in the spread of antimicrobial resistance among pathogenic and nonpathogenic bacteria. Manuscripts highlighting the role in antimicrobial resistance of genetic elements others than plasmids, transposons, insertion sequences, and integrons are also welcome. It is our pleasure to invite you to also submit review articles or short communications related to these topics.

Guest Editors

Dr. Carlo Pazzani
Dr. Maria Scrasecia
Dr. Carla Calia

Deadline for manuscript submissions

closed (31 December 2023)



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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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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).