Special Issue

Microbial Pathogen Isolation and Resistance Gene Identification in Patients

Message from the Guest Editor

The scope of the Special Issue is the identification of resistance genes in major hospital pathogens, such as Klebsiella pneumoniae, Escherichia coli, Acinetobacter baumannii, Pseudomonas aeruginosa, methicillin-resistant Staphylococcus aureus, and vancomycin-resistant Enterococcus spp. New molecular and phenotypic methods in the identification of extended-spectrum beta-lactamases, plasmid-mediated AmpC beta-lactamases, and carbapenemases, as well as resistance determinants to colistin as last resort antibiotics in the treatment of infectons due to multidrug-resistant Gram-negative bacteria, will also be a topic of interest. Among Gram-positive bacteria, mechanisms of linezolid resistance will be in the focus of the Special Issue. Recent studies have shown that mechanically ventilated SARS-CoV-2 positive patients often have bacterial superinfections with multidrug or extensively drug-resistant bacteria which are associated with increased mortality and prolonged hospital stay. Papers on this current topic are also invited.

Guest Editor

Dr. Branka Bedenic

Department of Microbiology, School of Medicine, University of Zagreb, Šalata 2, Zagreb, Croatia

Deadline for manuscript submissions

closed (31 October 2021)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/84645

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