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Virulence Factors and Antibiotic Resistance of Enterobacterales 2.0

Guest Editors:

Dr. Dobroslava Bujňáková
Institute of Animal Physiology, Centre of Biosciences of the Slovak Academy of Sciences, 040 01 Košice, Slovakia

Prof. Dr. Ivana Ćirković
Institute of Microbiology and Immunology, Faculty of Medicine, University of Belgrade, dr Subotica 1, 11000 Belgrade, Serbia

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is a continuation of our 2022 Special Issue "Virulence Factors and Antibiotic Resistance of Enterobacterales".

This Special Issue invites researchers interested in Enterobacterales characterization concerning the presence of genes associated with virulence, and bacterial-biofilm-associated phenotypes. Although not directly involved in pathogenicity, the acquisition of multiple antibiotic resistances strongly supports the success of opportunistic Enterobacterales pathogens in invasion, survival, and spread. Not only pathogens but also commensal bacteria, considered harmless and part of the normal microbiota, are exposed to selection pressure and can be a reservoir of mobile genetic elements carrying antibiotic resistance genes. Therefore, the occurrence of drug-resistant bacteria within a commensal population and the possibility to exchange genetic material through horizontal gene transfer may represent a major health concern. Research papers, up-to-date review articles, and communications are all welcome.

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Prof. Ivana Ćirković
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Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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.

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Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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