Special Issue

Antimicrobial Resistance Bacteria in Pets, Livestock and Wild Animals

Message from the Guest Editors

The increasing resistance to antimicrobials, including the most potent and last line agents, together with the decline in the development of new antimicrobial agents, poses a widespread public health problem considered to be the next global pandemic crisis. The antimicrobial resistance issue requires a “One Health” approach in which the health of humans, animals, and the environment is considered closely connected. Therefore, surveillance must become a global “One Health” effort to understand the dynamics and drivers of antimicrobial resistance and to solve the major threats associated with human, animal, and environmental health.

Therefore, the aim of this Special Issue is to provide new information about the status of antimicrobial resistance and genetic lineages in pets, livestock, and wild animals. This Special Issue will bring together the latest studies regarding organisms isolated from animals, their antimicrobial resistance and virulence through molecular approaches, biofilm formation, and the current overview of animal-associated clonal lineages.

Guest Editors

Dr. Vanessa Silva

Dr. Gilberto Igrejas

Prof. Dr. Patricia Poeta

Deadline for manuscript submissions

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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

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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).

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