



## Multi-Drug Resistant Bacteria—A Global Problem

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### Message from the Guest Editors

Dear Colleagues,

The growing number of isolated multi-drug resistant clinical and environmental bacterial strains and the ability to produce and transmit resistance mechanisms to antibiotics and antibacterial chemotherapeutics have become an increasing problem in combating worldwide infections in recent years. One of the main elements in fighting the problem of microbial resistance is an in-depth understanding of the underlying resistance mechanisms. In this Special Issue, we plan to collect original research articles and review articles concerning the molecular basis of resistance mechanisms against antimicrobial agents (e.g., antibiotics, new antibacterial substances and disinfectants) in Gram-positive and Gram-negative bacteria. These strains may be present in the natural environment (water, soil and air) and healthcare environment and, mostly, can be isolated from clinical and veterinary materials. The multi-drug resistance observed in bacterial strains is due to the acquisition and interaction of several various resistance mechanisms.

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*Guest Editors*





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