Special Issue

New Insights into Antibiotics

Message from the Guest Editors

Dear colleagues, By eradicating or preventing bacterial growth, antibiotics are a class of medications used to treat bacterial illnesses. The issue of antibiotic resistance is worsening. Infections that are resistant to antibiotics can be tricky to treat and occasionally even lethal. The microbiome is a group of bacteria that reside in and on the human body and contributes to antibiotic resistance. Antibiotics have the potential to upset the microbiome's delicate equilibrium, which may result in the emergence of bacteria that are resistant to them. Research is ongoing to understand how the microbiome can be protected during antibiotic treatment. The scope of the Special Issue is as follows but is not limited to: 1. Antibacterial activity of natural products;
2.Synthetic antibacterial agents;
3.Antibacterial resistance;
4.Combinatorial therapy in infections;
5.Side effects of antimicrobials;
6.The role of microbiome in antimicrobial resistance;
7.Quorum-sensing mechanisms;
8.Molecular targets of novel antimicrobials.

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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.

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