

Special Issue

Bacterial Virulence and Biosurfactants

Message from the Guest Editor

Biosurfactants have great potential for use in combatting bacterial virulence, especially in the context of the growing resistance to antibiotics. Considering this, it is necessary to research new biosurfactants as antimicrobial agents; their synergistic actions with conventional antibiotics increase the effectiveness of treatments, reducing doses and side effects. This represents an important strategy to combat bacterial resistance and develop new, safer, more effective treatments against microbial infections. The new generation of antimicrobials could represent an important tool in the fight against this global threat to public health. In this collection of topics, we aim to identify new strategies that can be used to overcome bacterial resistance, with a particular focus on the discovery or development of new biosurfactants with promising antimicrobial properties. Topics of interest include, but are not limited to, the following:

Biosurfactants;
Bio-inputs;
Biopolymers;
Biodegradable and green polymers.

Guest Editor

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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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