Special Issue

Antimicrobial Lipopeptide Biosurfactant

Message from the Guest Editor

This Special Issue will be dedicated to the production and the characterization of lipopeptide biosurfactant. Lipopeptides are molecules which, by virtue of their structures, exhibit biosurfactant activities, but they also interact with biological membranes, which make these molecules' antimicrobial properties of interest for many industrial sectors (biocontrol, pharmaceutical, phytosanitary, detergency, etc.). These molecules are produced mainly by bacteria (Bacillus, Pseudomonas, etc.), but their production has also been identified in yeasts or fungi. The topics that will be covered by this Special Issue include but are not limited to characterization of new microorganisms producing new lipopeptides molecules with antimicrobial activity, elucidation of the antimicrobial mode of action, analysis of the molecular mechanism of production, and bioprocess set-up for the production of antimicrobial lipopeptides. Keywords: lipopeptides; antimicrobial; biosurfactant; biocontrol; mode of action; Bacillus; Pseudomonas; non-ribosomal peptide synthetase; antagonist

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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