



Antimicrobial Lipopeptide Biosurfactant

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Deadline for manuscript
submissions:

closed (15 November 2022)

Message from the Guest Editor

Dear Colleagues,

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





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Message from the Editor-in-Chief

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