Special Issue

Microbial Biosurfactants

Message from the Guest Editors

Surfactants (surface-active compounds) are amphipathic compounds, i.e., they have both a hydrophilic and a hydrophobic group. They preferentially accumulate at the interface (hence the name surfactant), e.g., oil–water or air–water. The non-polar part is often a hydrocarbon chain, while the polar region can be ionic (cationic or anionic), non-ionic, or amphoteric. Microbial surfactants (biosurfactants) most often are divided according to the chemical structure of the hydrophilic part, which can be, e.g., sugar or peptide. In fact, very often microorganisms produce not one chemical compounds but a mixture of biosurfactants. Hence, many studies focus on isolation, the identification of the chemical structures, and the investigation of the properties of biosurfactants. We cordially invite you to submit research articles, review articles, and short communications related to various interdisciplinary aspects related to biosurfactants.

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Deadline for manuscript submissions

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"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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