



Advances in Microbial Biopolymers

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Message from the Guest Editors

Microbial cell factories have been well studied over the last decades for the production of a large diversity of intracellular and extracellular biopolymers. Microbial polymers, such as polysaccharides (Capsular polysaccharide, Lipopolysaccharide, and Exopolysaccharides), polyesters (Polyhydroxyalkanoates), polyphosphates, or proteinaceous compounds, are not only reported to have role in microbial pathogenicity, but also function as a protecting sheath to the microorganisms growing in the different extreme environments of Earth. Interdisciplinary research on microbial biopolymers has shone a spotlight on their cellular and molecular mechanisms of biosynthesis, and also their diverse applications in the food industry (food additives, food packaging, or food processing), wastewater treatment, bioremediation of toxic/xenobiotic compounds, the pharmaceutical industry (biomedicine and drug carriers), and much more.





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Message from the Editor-in-Chief

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