Joint Special Issue

Microbial Biopolymers: From Synthesis to Properties and Applications

Message from the Guest Editor

Biopolymers of microbial origin, such as polysaccharides, polyamides, and polyhydroxyalkanoates, have been extensively studied, and many of them are already being exploited in many areas, from commodity products to high-value medical and pharmaceutical applications. They are represented by a large variety of materials characterized by valuable properties, ranging from hydrocolloids to thermoplastics and including bioactive macromolecules.

This Special Issue on “Microbial Biopolymers: From Synthesis to Properties and Applications” will present original research papers and comprehensive reviews that integrate the expertise from different areas related to microbial biopolymers, from production processes, biosynthetic pathways, and metabolic engineering to biopolymer recovery, characterization, and applications.

Guest Editor

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Deadline for manuscript submissions

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