

Special Issue

Molecular Characterization of Biopolymers and Biobased Bioplastics

Message from the Guest Editor

Biopolymers synthesized by organisms are abundant in nature and have diverse properties and functions. On the other hand, biobased bioplastics encompass a whole family of man-made materials usually based in biopolymers considered an environmentally acceptable alternative to the synthetic polymers.

Molecular characterization of these materials is important, among many other reasons, for discovering new functionalities and properties, design new uses and applications, for quality control, forensic purposes, traceability, the design of recovery strategies, etc. This Special Issue intends to compile analytical developments applied for a better structural knowledge of these materials, from natural polymers in biomass to the new polymers derived from renewable biomass sources. Manuscripts including multidisciplinary approaches and the use of complementary techniques for the molecular characterization and traceability in the environment (biomarkers) will be particularly welcome.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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