

Special Issue

Synthesis and Applications of Natural Polymers and Their Derivatives

Message from the Guest Editors

Natural polymers have received increasing attention due to their specific advantages, which include the fact that they are obtained from renewable resources, and their biocompatible, biodegradable, generally non-toxic, non-immunogenic, non-carcinogenic, specific physicochemical properties. From biomedical and pharmaceutical applications (antimicrobial, antitumoral, drug delivery, tissue engineering) to food packaging, technique and the protection of the environment, the full commercial potential of these advancements has yet to be realized in everyday life.

This Special Issue aims to publish original research papers and review articles focusing on the synthesis of natural-based polymers, their derivatives (chemically synthesized, composites), different processing techniques and resulted products, potential applications, and new outlooks.

Guest Editors

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Prof. Dr. Guibin Wang
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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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