



Isolation of Marine Polysaccharides for Industrial and Biomedical Applications

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submissions:

closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

Marine polysaccharides offer a source of safe, biocompatible, biodegradable, and valuable renewable products with specific biological functions emphasized by a significant structural diversity. Natural polysaccharides can be isolated from marine macro-resources (e.g., crustaceans, sea cucumbers, seaweeds, etc.) as well as marine microorganisms (e.g., micro-algae, bacteria, fungi, etc.). From this huge diversity, high-added-value bioactive molecules can be designed thanks to structural modifications undertaken either by chemical or by enzymatic processes to improve their efficiency. This Special Issue of *Molecules* aims to identify or review the latest emerging cutting-edge research on polysaccharides and/or their derivatives from the marine biodiversity. Among others, manuscripts dealing with structural determination, production optimization, biosynthesis mechanisms, chemical and enzymatic modifications, and potential innovative applications driven by structural features are welcome.

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Guest Editors





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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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