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Alginate-Based Biomaterials and Drug Delivery

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Message from the Guest Editors

In recent years, alginate polysaccharide has assumed a major role as a promising and innovative biomaterial, and it has been indeed broadly explored in biomedical science and engineering owing to its biocompatibility, biodegradability, low immunogenicity, and gelling capabilities. Indeed, despite the most common use of this polysaccharide being related to food products, alginate-based materials show great potentialities for several biomedical purposes that are able to mimic many functions of the extracellular matrices of body tissues. For instance, recent advances in wound healing, drug delivery, and tissue engineering have been achieved by using alginate-based hydrogels, fibers, capsules, and particles. This Special Issue is devoted to both original research articles and reviews covering any aspect, from extraction to application, of alginate-based materials for biomedical and/or pharmaceutical purposes. As Guest Editors, we particularly encourage Authors to submit their latest findings showing significant advances in this field.



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Special Issue



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Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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