Special Issue

Biopolymers in Drug Delivery and Regenerative Medicine

Message from the Guest Editors

Biopolymers are of paramount interest in regenerative medicine, due to their availability, processability, and low toxicity. Moreover, the structuration of biopolymer-based materials at the nano and microscale along with their chemical properties are crucial in the engineering of advanced carriers for drug products. Finally, combination products including biopolymers for controlled drug release offer a powerful solution to improve the biological response of these materials. Understanding the drug delivery mechanisms, efficiency and toxicity of such systems may be useful for regenerative medicine and pharmaceutical technology. This Special Issue aims at gathering recent advances on biopolymer research for biomedical applications, particularly in regenerative medicine, wound healing and drug delivery. Contributions can cover all aspects of biopolymer research, ranging from the chemical synthesis and characterization of modified biopolymers, their processing in different morphologies and hierarchical structures, as well as their assessment for biomedical uses.

Guest Editors

Prof. Dr. Carlos A. García-González

Prof. Dr. Pasquale Del Gaudio

Dr. Ricardo Starbird

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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