Special Issue

Natural Products and Nanomaterials: A Promising Synergy for Wound Healing

Message from the Guest Editors

The wound healing process is a well-orchestrated physiological process to restore the integrity of the skin and subcutaneous tissue. Some natural compounds, i.e. complex chemical molecules found in plants and micro-organisms, have biological activities that provide therapeutic benefits that boost wound healing. Nanotechnology is emerging as one of the most promising tools for creating high performance and ultifunctional materials for various industrial and medical applications. The aim of this Special Issue is to highlight the most recent results in the field of the biological properties of natural products utilized for nanomaterial production and/or functionalization, and it is also dedicated to the identification and characterisation of new biological active compounds, as well as the cellular and molecular mechanisms involved in the wound healing potential of natural compound-based nanostructured wound dressings. Studies dealing with the processing of natural products and molecules in order to standardise nanomaterials formulation for wound usage are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2020)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/21070

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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