

## Special Issue

# New Advances in Complex Wound Management: Biofilms and Emerging Biotechnologies as Effective Therapies

### Message from the Guest Editors

Wound healing is still an evolving field of research. There are several approaches to achieving healing: multidisciplinary, biotechnology, and strategies to counter biofilms. Infection and biofilm formation is one of the main causes of chronic wounds.

Several advanced dressings, biotechnologies, and biomaterials have been described with the aim of improving the wound healing; among these, hydrogel, platelet-rich plasma (PRP), and dermal substitutes are particularly promising.

In this Special Issue, we would like to highlight the wide variety of hydrogel, PRP, and dermal substitute applications in wound healing and regenerative surgery, analyzing also the biomolecular pathways through which they act. This Special Issue, which will serve as an updated reference for biomaterials and biotechnologies used in wound healing, will collect contributions (original research articles, reviews) dealing with innovative regenerative biomedical applications based on PRP, dermal substitutes, and advanced dressings. Both in vitro and in vivo studies are welcome, with the final goal of shedding light on the new frontiers of advanced dressing, and regenerative strategies in wound healing.

### Guest Editors

Dr. Barbara De Angelis

Dr. Pietro Gentile

Dr. Luigi Toma

Dr. Rica Tanaka

### Deadline for manuscript submissions

closed (31 August 2022)



## Biomedicines

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### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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