

Special Issue

Recent Advances in Wound Healing

Message from the Guest Editors

Wound healing represents one of the most complex processes in the body, subjecting organisms to many sequential stages: haemostasis, inflammation, proliferation, and remodelling. Many cells of the body (platelets, macrophages, neutrophils, fibroblasts, and epidermal cells) are involved in a very well-coordinated process. Any change in external or internal factors can disrupt the process, leading to the appearance of chronic wounds, resulting in incomplete healing, the recurrence of the infectious process, and a continuous need for treatment, meaning an overwhelming burden for both patients and medical systems. This collection of papers aims to display the progress of researchers in the field as well as the data from clinicians regarding the pathophysiology of wounds (acute or chronic) to date, in addition to currently available modalities to achieve healing in such patients. Recent developments in the management of wound healing are also addressed, such as the following: new techniques of wound debridement, the development of topical antiseptics and antimicrobials for fighting against multidrug-resistant bacteria from chronic wound biofilms.

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