



Wound Care: From Traditional Cotton Wound Dressings to Innovative Wound Dressings

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Message from the Guest Editor

Wound care has an enormous social and economic impact. Thus, in recent years, there has been an increasing amount of attention on developing new efficient wound management strategies as well as multifunctional wound dressings to accelerate the healing process of wounds and, consequently, to improve the health state of patients. Generally, there are many different types of wounds (e.g., acute, chronic, exuding and dry wounds), and each wound requires a suitable and functional dressing. In the past, cotton gauzes have been widely employed as dressings, and today, new wound dressings made of natural fibers such as hemp, flax, Spanish Broom, silk or biocompatible polymers can be used to promote the healing process. Moreover, in order to treat infected wounds and to ensure an efficient treatment, these biomaterials as well as cotton can be functionalized with antimicrobial, antioxidant, and anti-inflammatory agents.

This Special Issue has the aim of highlighting current progress from traditional cotton wound dressings to multifunctional modern wound dressings.

- wound healing
- infected wounds
- wound dressing
- biopolymers
- natural fibers





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