

Special Issue

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

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

Guest Editor

Dr. Teresa Cerchiara

Department of Pharmacy and Biotechnology, University of Bologna, Via San Donato 19/2, 40127 Bologna, Italy

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

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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