



Advances in the Development of Cutting-Edge Drug Delivery Systems for the Effective Treatment of Chronic Skin Wounds

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Message from the Guest Editors

Dear Colleagues,

Hard-to-close wounds represent a huge burden for both the society and the healthcare systems and their impact is expected to progressively grow due to the aging population and the increasing incidence of obesity. To tackle this critical issue, a great variety of wound dressings have been developed, aiming to locally release therapeutic agents, promptly face infections, and provide a proper wound environment to enhance tissue healing. Advancements in biomaterial design, diagnostic imaging, and material processing techniques have significantly supported the research of smart and innovative platforms. However, the ideal wound dressing still does not exist.

Therefore, this Special Issue aims at critically discussing the state of the art of wound dressings and highlighting future directions for the development of advanced systems to treat chronic skin wounds. We welcome the submission of original research articles, reviews and communications. Special interest is devoted to works dealing with the design of innovative drug delivery carriers, smart patches, wound-responsive systems, drug-releasing bioinks, antimicrobial materials, and antibiotic-free treatments.





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