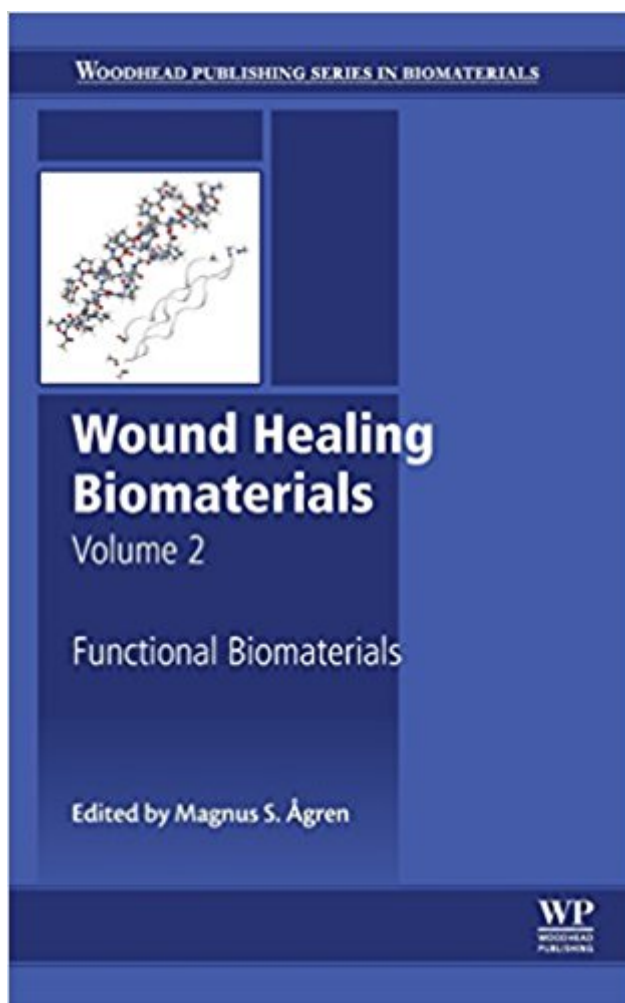


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Wound Healing Biomaterials - Volume 2: Functional Biomaterials



Synopsis

Wound Healing Biomaterials: Volume Two, Functional Biomaterials discusses the types of wounds associated with trauma, illness, or surgery that can sometimes be extremely complex and difficult to heal. Consequently, there is a prominent drive for scientists and clinicians to find methods to heal wounds opening up a new area of research in biomaterials and the ways they can be applied to the challenges associated with wound care. Much research is now concerned with new therapies, regeneration methods, and the use of biomaterials that can assist in wound healing and alter healing responses. This book provides readers with a thorough review of the functional biomaterials used for wound healing, with chapters discussing the fundamentals of wound healing biomaterials, films for wound healing applications, polymer-based dressing for wound healing applications, and functional dressings for wound care. Includes more systematic and comprehensive coverage on the topic of wound care Provides thorough coverage of all specific therapies and biomaterials for wound healing Contains clear layout and organization that is carefully arranged with clear titles and comprehensive section headings Details specific sections on the fundamentals of wound healing biomaterials, films for wound healing applications, polymer-based dressing for wound healing applications, and more

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Wounds, whether due to trauma, illness or surgery, can sometimes be extremely complex and difficult to heal. Consequently there is a prominent drive for scientists and clinicians to find methods

to heal wounds. Increasingly science is turning towards biomaterials to address the challenges associated with wounds. Much research is now concerned with new therapies, regeneration methods and biomaterials to assist in wound healing and alter the healing response. Wound Healing Biomaterials: Volume 2: Functional Biomaterials provides readers with a thorough review of the functional biomaterials used for wound healing. Chapters in Part One look at the fundamentals of wound healing biomaterials. Part Two will cover films for wound healing applications whilst part Three goes on to review polymer-based dressing for wound healing applications. The final set of chapters will look at other types of functional dressings for wound care. Magnus S. Jørgen is Associate Professor at the Department of Surgery and Copenhagen Wound Healing Center, Bispebjerg Hospital, Copenhagen, Denmark. He is also Scientific Advisor for a number of Scandinavian and international companies in the health care sector and on the Editorial Board for a number of journals.

Magnus S. Jørgen is Professor at the Faculty of Health and Medical Sciences, University of Copenhagen, and affiliated to Bispebjerg Hospital, Copenhagen, Denmark. Dr. Jørgen has worked as senior scientist and manager in both academia and industry with wound healing for 35 years, and has published well over 100 scientific articles. He is also scientific advisor for a number of Scandinavian and international companies in the healthcare sector, and he serves on the editorial boards for a number of biomedical journals. Dr. Jørgen is the current president for the European Tissue Repair Society.

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