Therapeutic Dressings and Wound Healing Applications
Joshua Boateng (Editor)

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DESCRIPTION

The latest research on techniques for effective healing of chronic and difficult to heal wounds

The healing of chronic wounds is a global medical concern, specifically for patients suffering from obesity and type II diabetes. *Therapeutic Dressing and Wound Healing Applications* is an essential text for research labs, industry professionals, and general clinical practitioners that want to make the shift towards advanced therapeutic dressing and groundbreaking wound application for better healing.

This book takes a clinical and scientific approach to wound healing, and includes recent case studies to highlight key points and areas of improvement. It is divided into two key sections that include insight into the biochemical basis of wounds, as well as techniques and recent advancements. Chapters include information on:

- Debridement and disinfection properties of wound dressing
- Biofilms, silver nanoparticles, and honey dressings
- Clinical perspectives for treating diabetic wounds
- Treating mixed infections
- Wound healing and tissue regeneration treatments
Gene based therapy, 3D bioprinting and freeze-dried wafers

Anyone looking to update and improve the treatment of chronic wounds for patients will find the latest pertinent information in *Therapeutic Dressing and Wound Healing Applications*.

### ABOUT THE AUTHOR

Edited by

**Joshua Boateng** received his Ph.D. in Pharmaceutical Sciences (Drug Delivery and Formulation) at the University of Strathclyde, Glasgow, under a Pfizer-sponsored project to develop novel formulations for wound healing applications. He has authored more than 70 peer-reviewed scientific publications and is on the Editorial Board of 3 international scientific journals, including the *Journal of Pharmaceutical Sciences*. He won the 2009 University of Greenwich Early Career Research Award and has reviewed for more than 60 international scientific journals. He is currently a Reader (Associate Professor) in Pharmaceutical Science and Formulation Technologies at the University of Greenwich.

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