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# Medical Textiles and Biomaterials for Healthcare

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**Incorporating Proceedings of MEDTEX03 International Conference  
and Exhibition on Healthcare and Medical Textiles**

**EDITED BY**  
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## PREFACE

Medical textiles are a major growth area within the technical textiles sector and the range of applications for such products continue to grow and increase in diversity with every new development. This new book is the culmination of worldwide research into medical textiles and biomaterials for healthcare and is based on the most innovative and exciting papers presented at MEDTEX03. The presented research has been thoroughly edited by a group of leading experts in the field and combined with expert overviews to produce an invaluable comprehensive book covering all aspects of major research into medical textiles and biomaterials for healthcare.

The book consists of eight parts each covering the main areas of basic biomaterials, healthcare and hygiene products, infection control and barrier materials, bandaging and pressure garments, woundcare materials, implantable devices, medical devices and smart technologies. I am deeply grateful to my co-editors, Professor John F Kennedy from the University of Birmingham Research Park, Dr Mohsen Miraftab and Dr Subbiyan Rajendran, both from the University of Bolton, for their generous input in terms of time, effort and above all expertise during preparation of the manuscript. Their contribution and cooperation is greatly appreciated. All editors have endeavoured to make this book as consistent and coherent as possible.

I sincerely feel that the readers will find the book both interesting and informative, as it contains state of the art innovations and developments in medical textiles and biomaterials for healthcare.

I wish to thank all the authors, poster presenters and the exhibitors for their cooperation and permission for publication of their contributions at MEDTEX, The International Conference and Exhibition on Healthcare and Medical Textiles, hosted by the Centre for Materials Research and Innovation, the University of Bolton and organised in association with Tampere University of Technology, Finland.

A number of people are involved in the production of a successful conference and this subsequent book. I wish to express my sincere thanks to Professor Pertti Nousiainen, Mrs Kiyoko Hay and Mrs Anita Taylor for their valuable help during the conference. I am particularly grateful to Mrs Anita Taylor for her consistent help and hard work during the editing and preparation of this book, and Miss Emma Starr of Woodhead Publishing Limited; UK for her consistent help and understanding.

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