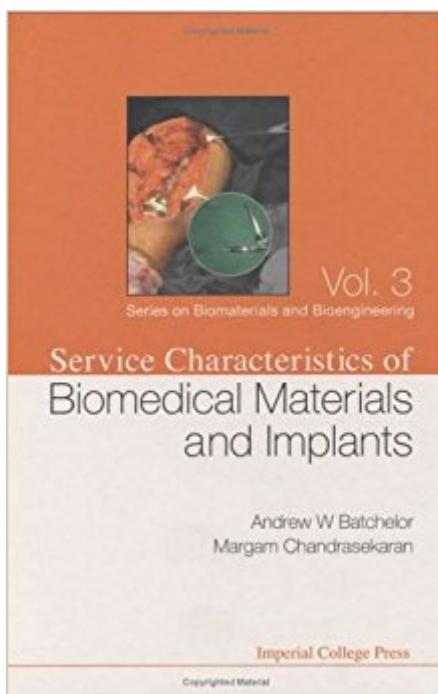


The book was found

# Service Characteristics Of Biomedical Materials And Implants (Series On Biomaterials And Bioengineering)



## Synopsis

A wide variety of materials is being used in biomedical engineering for various functions. This includes a range of ceramics, polymers and metallic materials for implants and medical devices. A major question is how these materials will perform inside the body, which is very sensitive to alien materials. The material must not only survive to perform its intended function but also not initiate any damage to the surrounding tissue or induce a wider health problem. The service characteristics of implanted materials are of vital concern to health treatments that alleviate ageing. This book collates information and provides a concise text on the performance of different materials used in devices and implants. The knowledge presented is critical for a biomedical engineer, especially for the purpose of selecting the right materials. In addition, topics such as allergies and infection, tissue scaffolds, and drug delivery are reviewed.

## Book Information

Series: Series on Biomaterials and Bioengineering (Book 3)

Hardcover: 242 pages

Publisher: Imperial College Press (October 21, 2004)

Language: English

ISBN-10: 1860944752

ISBN-13: 978-1860944758

Product Dimensions: 6.6 x 0.7 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #15,742,391 in Books (See Top 100 in Books) #93 in Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Prosthesis #609 in Books > Medical Books > Medicine > Prosthesis #2698 in Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology

[Download to continue reading...](#)

Service Characteristics of Biomedical Materials and Implants (Series on Biomaterials and Bioengineering) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Life-Enhancing Plastics: Plastics and Other Materials in Medical Applications (Series on Biomaterials and Bioengineering) Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) The Food Service Professional Guide to

Controlling Restaurant & Food Service Operating Costs (The Food Service Professional Guide to, 5) (The Food Service Professionals Guide To) Wear of Orthopaedic Implants and Artificial Joints (Woodhead Publishing Series in Biomaterials) Neuroprosthetics: Theory and Practice (Series on Bioengineering & Biomedical Engineering - Vol. 2) Dynamics of the Vascular System (Series on Bioengineering & Biomedical Engineering - Vol. 1) Regulatory Affairs for Biomaterials and Medical Devices (Woodhead Publishing Series in Biomaterials) Dental Biomaterials: Imaging, Testing and Modelling (Woodhead Publishing Series in Biomaterials) Sterilisation of Biomaterials and Medical Devices (Woodhead Publishing Series in Biomaterials) Perspectives in Total Hip Arthroplasty: Advances in Biomaterials and their Tribological Interactions (Woodhead Publishing Series in Biomaterials) Numerical and Statistical Methods for Bioengineering (Cambridge Texts in Biomedical Engineering) Numerical and Statistical Methods for Bioengineering: Applications in MATLAB (Cambridge Texts in Biomedical Engineering) Wound Healing Biomaterials - Volume 2: Functional Biomaterials Porous Silicon for Biomedical Applications (Woodhead Publishing Series in Biomaterials) Mems for Biomedical Applications (Woodhead Publishing Series in Biomaterials) Shape Memory Polymers for Biomedical Applications (Woodhead Publishing Series in Biomaterials) Microfluidic Devices for Biomedical Applications (Woodhead Publishing Series in Biomaterials) Food Service Menus: Pricing and Managing the Food Service Menu for Maximun Profit (The Food Service Professional Guide to Series 13)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)