Advances in Biomedical Sciences and Engineering

About the eBook

This authoritative reference provides updated information on the fundamental aspects and applications of biomaterials - such as nickel-titanium alloys, bioactive bone cement and polymer nanocomposites. This Ebook also describes the response of cells to ionizing radiation such as DNA damage responses in zebrafish.

Contents

- Metallic Implants for Spinal Deformity Correction
- Plasma Surface Modification of Nickel Titanium Shape Memory Alloys
- Strontium Containing Bioactive Bone Cement for Orthopedic Applications
- Synthesis and Properties of Nano-Hydroxyapatite/ Polymer Nanocomposites for Bone Tissue Engineering
- Fabrication, Mechanical Property and Biocompatibility of Carbon Nanotube/Polymer Nanocomposites
- Response of Cells to Ionizing Radiation
- In Vivo Studies of α-Particle Radiation Effects Using Zebrafish Embryos

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