

Book Information

Nanomaterials in Bio-medical Applications

A Novel approach

Ed. Bichitra Nandi Ganguly

Handbook / color print, paperback

The book presents new results in the areas of nanomaterials, nanoparticles, ultra-small nanoparticles, plasmonic nanoparticles and coated nanoparticles for bio-medical applications.

Keyword: Nanomaterials, Nanoparticles, Ultra-Small Nanoparticles, Plasmonic Nanoparticles, Coated Nanoparticles, Bio-Medical Applications, Quantum Dots, Thermal Decomposition Methods, Photo-Physical Characterization, X-Ray Diffraction, Electron Microscopy, Light Scattering Characterization, Positron Annihilation Spectroscopy, Capping Ligands, Surface Ligands, Passivating Agents

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Summary:

The book presents new results in the areas of nanomaterials, nanoparticles, ultra-small nanoparticles, plasmonic nanoparticles and coated nanoparticles for bio-medical applications. Emphasis is placed on (1) synthetic routes (quantum dots, thermal decomposition methods), (2) characterization methods (photo-physical techniques, X-ray diffraction, electron microscopy, light scattering, positron annihilation spectroscopy) and (3) bio-medical applications (nanomaterials and nanoparticles in physiology, medicine and bio-medicine).

