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Sommario/riassunto	This book comprises a detailed overview of nanomaterials for biomedical applications. Nanomaterials show various functions in medicine, sunscreens, electronic device, diagnostics, military applications, photovoltaic cells, paints, imaging, catalysts and drug delivery. In this book carbon Nanotubes/nanowires/nanofibers are

explored for tissue engineering applications. Functionalized carbon nanotubes, silica Nanoparticle, silicon quantum dots, metal Decorated Nanomaterials, biogenic metal nanoparticles, magnetic functionalized nanomaterials and nanozymes have been covered for the treatment of bacterial Infections as carriers of gene delivery and for their biological applications. This book also explores nano-biotechnology and its approach for a sustainable future.