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Sommario/riassunto

This book, 'Mechanical Engineering in Biomedical Applications,' explores the intersection of mechanical engineering with biomedical fields, focusing on topics such as bio-3D printing, biofluid mechanics, implant design, and biomaterials. Edited by Jay Prakash Srivastava and others, it provides insights into the latest advancements in additive manufacturing for healthcare, the artificial recreation of human organs, and the role of biomaterials in medical applications. The book discusses various techniques and challenges in 3D bioprinting, biosensor applications, and the use of bioglass materials for bone implantation. It aims to serve as a comprehensive resource for researchers, professionals, and students in biomedical engineering, offering detailed analyses and case studies to enhance understanding of this rapidly evolving field.
