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Sommario/riassunto

Sustainable Material for Biomedical Engineering Application discusses current interdisciplinary approaches in the development of materials and their derivatives that are sustainable for biomedical engineering application. Recent advancement of materials research has shown to have great impact on biomedical and clinical applications. With potential for sustainability, the materials discussed and illustrated in this book, may have the ability to increase and contribute to wider therapeutic options for patients. On the other hand, with the advancement in materials technology, they also have positive impacts in terms of reproducibility and more cost-effective manufacturing solutions for biomedical engineering industry. Some of the main aspects covered in this book are utilisation of human waste, food waste and green technology approach for materials in biomedical engineering applications such as tissue engineering, 3D printing and biosensing. A team of experts from various disciplines share recent advances that provide details and integrates different approaches to sustainable materials development. This book is intended for academicians, researchers, students and industrial players in the field of materials and biomedical engineering.

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