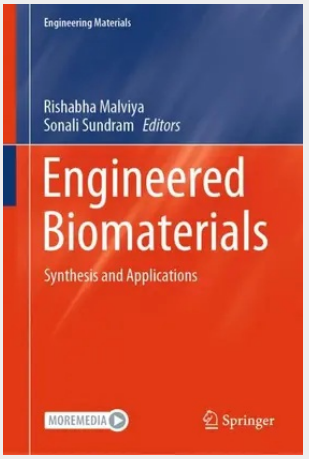
Malviya / Sundram

Engineered Biomaterials

Synthesis and Applications



This book highlights recent advances focusing on the synthesis methods of engineered biomaterials and their applications. The book discusses recent applications of various approaches and technology in improving the functional properties and biological activities of biopolymers. It includes two major sections: the first section introduces a range of methods which lead to materials with enhanced properties for a range of practical applications, along with the positives and limitations of the techniques. The second section covers recent trends and advances in application of engineered biomaterials that assist materials scientists and researchers in mapping out the future of these new improved materials through value addition in order to enhance their use. Contributions in the book are done by prominent researchers from industry, academia, and government/private research laboratories across the globe. The book summarizes in a fairly comprehensive manner many of the recent technical advancements in the area of biopolymers. The book is intended to serve as a reference resource in the area of polymers science.

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