

ADVANCES IN BIONANOCOMPOSITES

Materials, Applications, and Life Cycle

Edited by
Bhasha Sharma
Sabu Thomas
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Materials, Applications,
and Life Cycle

Edited by

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Preface

Biopolymer nanocomposites are the most auspicious aspirant to intercept hazardous situations which can replace conventional plastics. Quest amidst sustainable and green materials has been developed due to their utilization in versatile applications from biomedical to packaging. This book will deliver a robust overview of potential fortuitous promises by bionanocomposites and nanomaterials involving recent evolution and techniques. Our purpose of writing this book is to deliver the idea to work on sustainable development which could be beneficial for researchers, students, and industries. Detailed descriptions of synthesis, processing, characteristic features, and applications of biopolymer-based nanocomposites have been outlined. The readers will get help to fabricate sustainable products and their utility in various fields. The main emphasis of our book is to cover a broad range of biopolymers and their applications in different fields which could be an asset to researchers, industries as well as academicians. The aforementioned books are very well written but focused only on some specific polymers and biological applications. But the key components in this book will be going to cover the methods and techniques to evaluate the resultant bionanocomposites too. So, that readers and scientists from all over the world could have a proposition to select the desired material for selective applications. This book will cover the remedy of global issues faced by the people.

