

# Biomaterials Engineering and Green Chemistry for Sustainability

Part of the Advances in Chemical and Materials Engineering Book Series

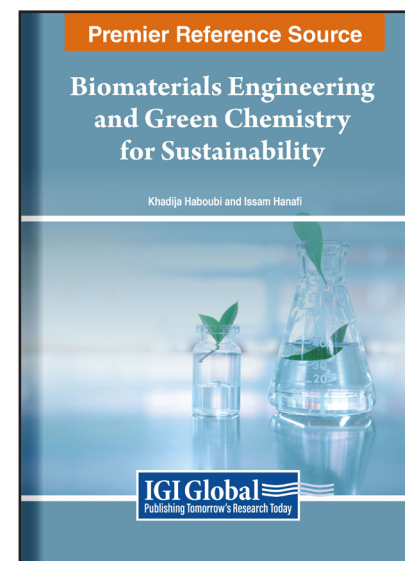
À Khadija Haboubi (Laboratory of Engineering Sciences and Applications, ENSAH, Abdelmalek Essaÿdi University, Al Hoceima, Morocco) and Issam Hanafi (Laboratory of Engineering Sciences and Applications, ENSAH, Abdelmalek Essaÿdi University, Al Hoceima, Morocco)

## Description:

The world faces unprecedented environmental challenges due to the extensive overuse of materials in modern society. This ecological crisis has led to pollution, resource depletion, and climate change, highlighting the urgent need for sustainable solutions. Developing and implementing solutions for environmental sustainability requires an understanding of fragmented disciplines.

**Biomaterials Engineering and Green Chemistry for Sustainability** offers a comprehensive approach to address these challenges. By bringing together research and insights from materials science, chemistry, engineering, and environmental science, this book provides a platform for interdisciplinary collaboration. It showcases innovative developments in sustainable materials, green chemistry, and circular economy practices, offering practical solutions to reduce environmental impact.

This book is a vital resource for researchers, professionals, policymakers, and students seeking to make a positive impact on the environment. It provides a deep dive into critical topics and inspires readers to incorporate sustainable practices into their work and daily lives. **Biomaterials Engineering and Green Chemistry for Sustainability** aims to catalyze change, fostering a more sustainable and resilient future for future generations.



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## Topics Covered:

- Biomaterials
- Bioplastics
- Circular Economy
- Clean Technology
- Cradle-To-Cradle Design
- Green Chemistry
- Green Engineering
- Green Manufacturing
- Life Cycle Assessment
- Nanomaterials
- Renewable Energy
- Smart Materials
- Sustainable Construction
- Sustainable Design
- Waste Reduction

**Subject:** Computer Science & Information Technology

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level (Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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