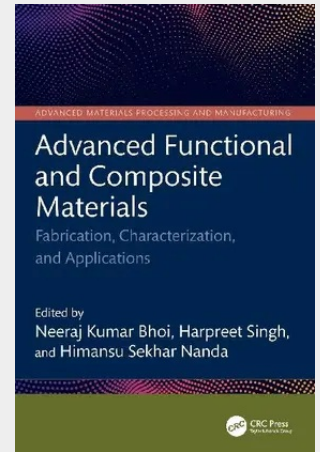


Advanced Functional and Composite Materials

Fabrication, Characterization, and Applications

This book provides an in-depth understanding of the properties, characterization, and applications of advanced functional and composite materials for energy, electronics, biomedicine, and aerospace fields. Divided into four sections, it covers sustainable smart and composite materials, intelligent techniques for optimization of material properties, their characterization and processing, case studies based on modernization in processes and systems, sustainability-based approaches and novel strategies, and sustainability and Industry 4.0-based contents. Key Highlights - Provides smart materials and sustainability, novel product design, and materials implementation - Reviews molecular dynamics simulation techniques - Includes Industry 4.0 and sustainability interventions in functional composites - Discusses life cycle engineering and analysis in composite processing - Covers microwave-assisted processing of composites This book is aimed at graduate students and researchers in materials sciences and metallurgy, mechanical and manufacturing engineering.



208,00 €

208,00 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032619347

Medium: Buch

ISBN: 978-1-032-61934-7

Verlag: CRC Press

Erscheinungstermin: 30.09.2025

Sprache(n): Englisch

Auflage: 1. Auflage 2025

Serie: Advanced Materials Processing and Manufacturing

Produktform: Gebunden

Gewicht: 912 g

Seiten: 380

Format (B x H): 183 x 260 mm

