

Environmental Applications of Carbon-Based Materials

Part of the Advances in Chemical and Materials Engineering Book Series

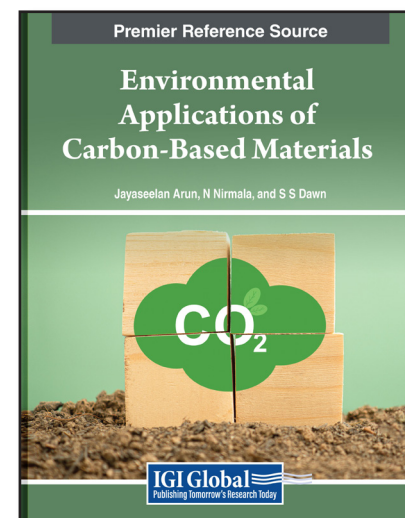
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Description:

Environmental degradation is a critical global challenge, with pollution, deforestation, and climate change threatening the planet's health. Traditional materials and technologies contribute significantly to these issues, highlighting the urgent need for sustainable alternatives. Carbon-based materials offer a promising solution. However, despite their potential, comprehensive literature needs to explore their diverse applications and impact. This gap hinders the broader adoption of carbon-based materials in environmental conservation efforts.

Environmental Applications of Carbon-Based Materials addresses this gap by thoroughly examining carbon-based materials and their environmental applications. It offers a thorough overview of the latest advancements, from production techniques to real-world applications. By highlighting these materials' remarkable properties and versatile nature, the book is a source of inspiration to researchers, industry professionals, and policymakers to embrace these materials as viable solutions to pressing environmental challenges.

Through detailed chapters covering water purification, air quality management, and sustainable infrastructure, **Environmental Applications of Carbon-Based Materials** is a valuable resource for anyone seeking to understand and utilize carbon-based materials in environmental conservation. By bridging the gap between theory and practice, it aims to accelerate the adoption of these materials, paving the way for a more sustainable and environmentally conscious future.



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