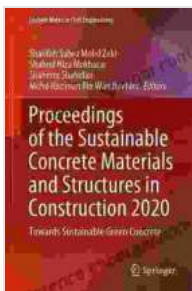


Towards Sustainable Green Concrete: Lecture Notes in Civil Engineering 157

Concrete, a ubiquitous construction material, has a significant environmental impact due to its high carbon footprint. However, advancements in concrete technology have paved the way for sustainable green concrete, offering a promising solution to address this challenge.



Proceedings of the Sustainable Concrete Materials and Structures in Construction 2024: Towards Sustainable Green Concrete (Lecture Notes in Civil Engineering Book 157)

★★★★★ 5 out of 5

Language : English
File size : 49144 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 431 pages



This comprehensive lecture notes volume, part of the renowned Lecture Notes in Civil Engineering series, delves into the latest developments in sustainable green concrete. Written by leading experts in the field, it provides a thorough understanding of the principles, practices, and applications of this eco-friendly material.

Key Features

- **In-depth coverage** of the science, technology, and design of sustainable green concrete
- **Practical guidance** on the selection and use of sustainable materials, such as recycled aggregates, supplementary cementitious materials, and bio-based additives
- **Exploration of innovative techniques** for improving the durability, performance, and sustainability of concrete structures
- **Case studies and real-world examples** to illustrate the application of sustainable green concrete in various projects

Target Audience

This book is an invaluable resource for:

- Civil engineers
- Structural engineers
- Materials scientists
- Environmental engineers
- Researchers and academics
- Students in civil and environmental engineering

Benefits of Reading

By delving into these lecture notes, you will:

- Gain a comprehensive understanding of sustainable green concrete technology

- Acquire practical skills in designing and constructing eco-friendly concrete structures
- Stay abreast of the latest advancements in sustainable construction materials
- Contribute to the reduction of the environmental impact of concrete production and use

Table of Contents

1. Introduction to Sustainable Green Concrete
2. Materials for Sustainable Green Concrete
3. Design Principles for Sustainable Green Concrete
4. Properties and Performance of Sustainable Green Concrete
5. Applications of Sustainable Green Concrete
6. Sustainability Assessment of Sustainable Green Concrete
7. Future Directions in Sustainable Green Concrete

About the Authors

The lecture notes are authored by a team of renowned experts in sustainable green concrete, including:

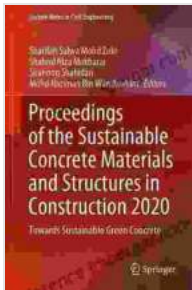
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- Dr. Michael Jones, Senior Research Engineer, National Institute of Standards and Technology

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Embrace the future of sustainable construction and empower yourself with the knowledge to design and build eco-friendly structures that will shape a greener tomorrow.



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