

Sustainable Process Engineering: Concepts, Strategies, Evaluation, and Future Directions



Sustainable Process Engineering: Concepts, Strategies, Evaluation and Implementation by David Brennan

★★★★☆ 4.3 out of 5

Language : English

File size : 9846 KB

Screen Reader : Supported

Print length : 398 pages



An Essential Resource for Sustainable Process Engineering

Sustainable process engineering is a rapidly growing field that is essential for meeting the challenges of the 21st century. This book provides a comprehensive overview of sustainable process engineering, covering all aspects of the field from concept to implementation.

The book is divided into four parts:

* **Part I: Concepts and Principles** * **Part II: Strategies for Sustainability** * **Part III: Evaluation of Sustainability** * **Part IV: Future Directions**

Part I provides a foundation in the concepts and principles of sustainable process engineering. It covers topics such as sustainability assessment, life cycle assessment, and process intensification.

Part II discusses strategies for achieving sustainability in process engineering. It covers topics such as energy efficiency, waste minimization, and carbon capture and storage.

Part III discusses methods for evaluating the sustainability of process engineering projects. It covers topics such as environmental impact assessment, social impact assessment, and economic impact assessment.

Part IV looks to the future of sustainable process engineering. It discusses emerging trends and challenges in the field, and it identifies opportunities for future research.

This book is an essential resource for researchers, engineers, and students in the field of sustainable process engineering. It provides a comprehensive overview of the field, and it offers practical guidance on how to implement sustainable process engineering principles in the real world.

Key Features

* Comprehensive coverage of all aspects of sustainable process engineering * Written by leading experts in the field * Practical guidance on how to implement sustainable process engineering principles * Essential resource for researchers, engineers, and students

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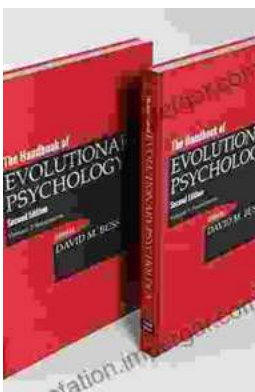


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