



Bioenergy: Principles and Applications

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DESCRIPTION

The search for alternative, renewable sources of fuel and energy from plants, algae, and waste materials has catalyzed in recent years. With the growing interest in bioenergy development and production there has been increasing demand for a broad ranging introductory text in the field. *Bioenergy: Principles and Practices* provides an invaluable introduction to the fundamentals of bioenergy feedstocks, processing, and industry.

Bioenergy provides readers with an understanding of foundational information on 1st, 2nd, and 3rd generation biofuels. Coverage spans from feedstock production of key energy sources such as grasses, canes, and woody plants through chemical conversion processes and industrial application. Each chapter provides a thorough description of fundamental concepts, definitions of key terms, case studies and practical examples and exercises.

Bioenergy: Principles and Practices will be an essential resource for students, bioengineers, chemists, and industry personnel tying key concepts of bioenergy science to valuable real world application.

ABOUT THE AUTHOR

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