



Introduction to Biofuels (Hardback)

By David M. Mousdale

Taylor Francis Inc, United States, 2010. Hardback. Book Condition: New. 239 x 160 mm. Language: English . Brand New Book. What role will biofuels play in the scientific portfolio that might bring energy independence and security, revitalize rural infrastructures, and wean us off of our addiction to oil? The shifting energy landscape of the 21st century, with its increased demand for renewable energy technology, poses a worrying challenge. Discussing the multidisciplinary study of bioenergy and its potential for replacing fossil fuels in the coming decades, *Introduction to Biofuels* provides a roadmap for understanding the broad sweep of technological, sociological, and energy policy issues that intermingle and intertwine. Copiously illustrated and with numerous examples, this book explores key technologies, including biotechnology, bioprocessing, and genetic reprogramming of microorganisms. The author examines the future of biofuels from a broader perspective, addressing the economic, social, and environmental issues crucial for studying the sustainable development of bioenergy. Each chapter begins with questions and provides the answers later in the chapter as key informational points. Embedded Science, Technology, Engineering, and Math (STEM) sections provide detailed derivations and equations for a subset of topics that can be found easily as buzzwords in popular media and on web...

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