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Biorefinery

Integrated Sustainable Processes for Biomass Conversion to Biomaterials, Biofuels, and Fertilizers

- **Presents a unique discussion of biomass conversion from a techno-economic perspective**
- **Case-studies and examples are included to illustrate and demonstrate the methods presented in the book**
- **Contains a framework to guide the process of investments, cost, and revenue of future biorefineries**

This book discusses the biorefinery of biomass feedstocks. In-depth chapters highlight the scientific and technical aspects and present a techno-economic analysis of such systems. By using a TEA approach, the authors present feasible pathways for conversion of biomass (both residual biomass, energy crops and algae biomass), showing the different possibilities for the production of biochemical materials, biofuels, and fertilizers. The concepts presented in this book will link companies, investors, and governments by providing a framework that will help reduce pollutants and create a biomass related economy that incorporates the newest developments and technologies in the area.

1st ed. 2019, XIV, 763 p. 193 illus., 114 illus. in color.

Printed book

Hardcover

119,99 € | £109.99 | \$149.99

^[1]128,39 € (D) | 131,99 € (A) | CHF

141,50

eBook

96,29 € | £87.50 | \$109.00

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