

# Biotechnology and Renewable Energy

Edited by Murray Moo-Young  
Sadiq Hasnain  
Jonathan Lamptey

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# **BIOTECHNOLOGY AND RENEWABLE ENERGY**

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**BIOTECHNOLOGY AND RENEWABLE ENERGY**

## PREFACE

As petroleum reserves decline, global attention is turned to cellulosic biomass as a possible source of renewable energy. Inevitably, biotechnology becomes part of the scenario. In this volume, experts primarily from the USA and Canada explore aspects of biotechnology as they are involved in the production and use of biomass feedstocks in the manufacture of a variety of end products and intermediate products. The material should be of interest to those involved in lignocellulose biotechnologies in general and bioenergy in particular. Students, researchers, industrialists and government planners are addressed.

The material is treated under the following seven Section headings:

- Section 1: Biomass Production
- Section 2: Pretreatment Technology
- Section 3: Enzyme Production
- Section 4: Genetic Engineering Research
- Section 5: Fuels and Chemicals
- Section 6: Fermentation Technology
- Section 7: Process Implementation

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