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Mycology: Current and Future Developments - Volume 1: Fungal Biotechnology for Biofuel Production

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About the eBook

This series brings together the latest contributions to research on the biology, genetics, and industrial use of fungi. Topics covered in volume 1 include an overview of biofuel production, the use of lignocelluloses in fungal biofuel production, fungal metabolic engineering, biomass pretreatment for biofuel refineries, and more.

Contents

- The Panorama for Biofuels Biotechnology: Present and Future
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- Enzymes Prospection from Fungi and Biomass Pretreatment for Biorefinery Application
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- Fungal Metabolic Engineering for Biofuel Production
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- Protein Engineering Strategies to Improve Efficiency in Biomass Degradation
- Engineering *Saccharomyces cerevisiae* for Efficient D-Xylose and L-Arabinose Fermentation
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- Fungal Consortia for Conversion of Lignocellulose into Bioproducts
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