



Handbook of  
**Biofuels**

Edited by **Sanjay Sahay**



# Handbook of Biofuels

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Edited by

**Sanjay Sahay**

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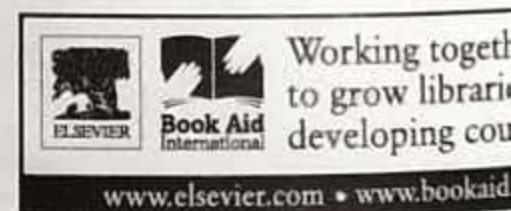
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# Handbook of Biofuels

Edited by **Sanjay Sahay**

## Key Features

- Reviews all existing and emerging technologies for the production of advanced biofuels
- Includes biofuel applications with compatible global application case studies
- Offers new pathways for converting biomass

*Handbook of Biofuels* looks at the many new developments in various types of bioenergy as well as the significant constraints in their production and/or applications, and the hurdles to overcome. Beyond introducing current approaches and possible future directions of research, this book covers sources and processing of raw materials to downstream processing, constraints involved and research approaches to address and overcome these needs.

With chapters on the techno-economic analysis of biofuel production and concepts and step-by-step approaches in bioenergy processing, the objective of this book is to present a comprehensive and all-encompassing reference about bioenergy to students, teachers, researchers, and professionals.

## About the Editor

**Dr. Sanjay Sahay**, Professor of Botany, Sarojini Naidu Government Girl's Postgraduate College, Bhopal, India, obtained his PhD degree in fungal genetics from Patna University, Patna, India, and received his postdoctoral research experience in yeast molecular biology from the Indian Institute of Science, Bangalore, India. His research interests are 2G bioethanol, cold-active enzymes, and psychrophilic fungi. He has taught for 27 years, guided 18 PhD students, published more than 30 papers in peer-reviewed journals, contributed 3 book chapters, and submitted 2 patent applications (one granted) in 2G bioethanol. He has been selected as the Biotechnology National Associate by the Department of Science and Technology, Government of India and as a Research Awardee by the University Grants Commission, India.



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Sanjay Sahay *Editor*

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Sanjay Sahay  
Editor

# Extremophilic Fungi

Ecology, Physiology and Applications

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