

Engineering » Environmental Engineering » "Biofuels - Status and Perspective", book edited by Krzysztof Biernat, ISBN 978-953-51-2177-0, Published: September 30, 2015 under CC BY 3.0 license. © The Author(s).

Chapter 4 OPEN ACCESS

Prospects for the Production of Biodiesel in Pakistan

By Mushtaq Ahmad, Hammad Ahmad Jan, Shazia Sultana, Muhammad Zafar, Muhammad Aqeel Ashraf and Kifayat Ullah
DOI: 10.5772/59318

- READ CHAPTER
- AUTHOR DETAILS
- CHAPTER STATISTICS
- HOW TO LINK AND REFERENCE
- REFERENCES



Show thumbnails | Show tables | Show equations |

[Article top](#)

Overview

- 1. Introduction
- 2. Energy and poverty
 - 2.1. Biodiesel synthesis technology
 - 2.2. Biodiesel: A solution to energy crisis in Pakistan
 - 2.3. National biodiesel program
 - 2.4. Biodiesel feasibility for Pakistan
- 2.5. National biodiesel program
- 2.6. Research and development on biodiesel in various Pakistani institutions
- 2.7. Impact of Jatropha and Pongame on Pakistan's

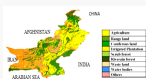


Figure 1. Land use for agriculture in Pakistan

Prospects for the Production of Biodiesel in Pakistan

Mushtaq Ahmad¹, Hammad Ahmad Jan¹, Shazia Sultana¹, Muhammad Zafar¹, Muhammad Aqeel Ashraf² and Kifayat Ullah³

- [1] Biofuel Laboratory, Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan
- [2] Geology Department, Faculty of Sciences, University of Malaya, Kuala Lumpur, Malaysia
- [3] Department of Biosciences, COMSATS Institute of Information Technology, Park Road, ChakShahzad, Islamabad, Pakistan

1. Introduction

The use of renewable energy resources (biodiesel) to generate power is receiving attention around the world, and for Pakistan, it can address the current and upcoming energy stresses of the country. Pakistan is facing a severe economic crisis owed to an unceasingly rising gap between energy demand and energy supply. The scarcity in power and gas supply has already frozen a number of industrial sectors such as textile, small and medium enterprises, and local transport. It is common anxiety in today's world that fossil fuels will be exhausted soon. The price of energy is rising unceasingly and is predicted to be at its peak by 2050. The fossil fuel sources are decreasing in Pakistan, the result of which is the import of about 8.1 million tons at approximately US\$ 9.4 billion per annum. Thus, renewable and sustainable energy resources, such as biodiesel needs to be maintained so that a sustainable energy mix could be achieved to confirm energy security. In the ambit of

- « PREVIOUS CHAPTER
- RECOMMEND TO YOUR LIBRARIAN
- DOWNLOAD AS PDF
- EXPORT CITATION »
- NEXT CHAPTER »

About Us

- About Us
- Our Values
- Our Story
- Our Team

Open Access

- About Open Access
- Open Access Statement
- Article Processing Charge
- Open Access Mandates

Work With Us

- Publish with Us
- Publish Your Own Book
- Become a Book Editor
- Become a Reviewer

Policies

- Editorial Policies
- Publishing Standards
- Insurance
- Privacy Policy

General

- Contact
- Jobs
- News
- Events

[Our Authors and Editors](#)
[Editorial Advisory Board](#)
[Our Projects](#)

[Open Access Funding](#)
[OAI-PMH](#)

[Order Print Copies](#)
[For Libraries](#)

[Customers Complaints](#)

Connect



© 2004–2017 IN TECH



InTech uses cookies to offer you the best online experience. By continuing to use our site, you agree to our [Privacy Policy](#).

File failed to load: <https://cdn.mathjax.org/mathjax/contrib/a11y/accessibility-menu.js>