



Catalytic Transesterification for Production of Alternative Biofuel

By Kalidas Mainali

LAP Lambert Acad. Publ. Jan 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - Because of increases in industrialization and population, Biofuel presents a suitable renewable substitute for petroleum based diesel. It is a non-petroleum based fuel that generally consists of fatty acid methyl esters (FAME) derived from the transesterification of triglycerides (TG) with methanol and ethanol. Unlike homogeneous, heterogeneous catalysts for biofuel production is an emerging field of research which has been gradually growing during the last year. This text points to the potential of rape oil methyl ester as alternative biofuel. Gas chromatography (GC) analysis has proven to be the most appropriate method, however GC-MS used for qualitative analysis and assessing the extent of conversion. Every unit gives basic concept of transesterification, catalysis, research methodology etc. This book written for those who are really interested in future renewable energy, petrochemical industry, and chemical engineering and heterogeneous - catalysis. It ought to be compulsory reading for intending or actual postgraduates, for academic-research staff of chemistry, future energy (oil and gas). 116 pp. Englisch.



DOWNLOAD PDF



READ ONLINE
[7.89 MB]

Reviews

It is one of the most popular publications. It really is written in easy words and not difficult to understand. You are going to like how the author writes this book.

-- Prof. Evans Balistreri DDS

Completely essential go through book. This is for all who state there had not been a worthy of reading through. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Lydia Legros