



Chemical Process Technology

By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen

[Download now](#)

[Read Online](#) 

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen

With a focus on actual industrial processes, e.g. the production of light alkenes, synthesis gas, fine chemicals, polyethene, it encourages the reader to think “out of the box” and invent and develop novel unit operations and processes.

Reflecting today’s emphasis on sustainability, this edition contains new coverage of biomass as an alternative to fossil fuels, and process intensification.

The second edition includes:

- New chapters on Process Intensification and Processes for the Conversion of Biomass
- Updated and expanded chapters throughout with 35% new material overall
- Text boxes containing case studies and examples from various different industries, e.g. synthesis loop designs, Sasol I Plant, Kaminsky catalysts, production of Ibuprofen, click chemistry, ammonia synthesis, fluid catalytic cracking
- Questions throughout to stimulate debate and keep students awake!
- Richly illustrated chapters with improved figures and flow diagrams

Chemical Process Technology, Second Edition is a comprehensive introduction, linking the fundamental theory and concepts to the applied nature of the subject. It will be invaluable to students of chemical engineering, biotechnology and industrial chemistry, as well as practising chemical engineers.

From reviews of the first edition:

“The authors have blended process technology, chemistry and thermodynamics in an elegant manner... Overall this is a welcome addition to books on chemical technology.” – The Chemist

“Impressively wide-ranging and comprehensive... an excellent textbook for students, with a combination of fundamental knowledge and technology.” – Chemistry in Britain (now Chemistry World)

 [Download Chemical Process Technology ...pdf](#)

 [Read Online Chemical Process Technology ...pdf](#)

Chemical Process Technology

By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen

With a focus on actual industrial processes, e.g. the production of light alkenes, synthesis gas, fine chemicals, polyethene, it encourages the reader to think “out of the box” and invent and develop novel unit operations and processes. Reflecting today’s emphasis on sustainability, this edition contains new coverage of biomass as an alternative to fossil fuels, and process intensification.

The second edition includes:

- New chapters on Process Intensification and Processes for the Conversion of Biomass
- Updated and expanded chapters throughout with 35% new material overall
- Text boxes containing case studies and examples from various different industries, e.g. synthesis loop designs, Sasol I Plant, Kaminsky catalysts, production of Ibuprofen, click chemistry, ammonia synthesis, fluid catalytic cracking
- Questions throughout to stimulate debate and keep students awake!
- Richly illustrated chapters with improved figures and flow diagrams

Chemical Process Technology, Second Edition is a comprehensive introduction, linking the fundamental theory and concepts to the applied nature of the subject. It will be invaluable to students of chemical engineering, biotechnology and industrial chemistry, as well as practising chemical engineers.

From reviews of the first edition:

“The authors have blended process technology, chemistry and thermodynamics in an elegant manner... Overall this is a welcome addition to books on chemical technology.” – The Chemist

“Impressively wide-ranging and comprehensive... an excellent textbook for students, with a combination of fundamental knowledge and technology.” – Chemistry in Britain (now Chemistry World)

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen
Bibliography

- Rank: #2030496 in eBooks
- Published on: 2013-03-21
- Released on: 2013-03-21
- Format: Kindle eBook



[Download Chemical Process Technology ...pdf](#)

 [Read Online Chemical Process Technology ...pdf](#)

Download and Read Free Online Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen

Editorial Review

Review

"...a welcome addition to books on chemical technology?a valuable book..." (*The Chemist*, Summer 2003)

From the Back Cover

Chemical Process Technology is a comprehensive introduction, examining both the fundamental concepts and applied nature of this subject. Modern process development relies on a knowledge of many different disciplines and an application and integration of this knowledge. Chemical Process Technology provides an essential bridge between the chemical sciences and the chemical industry. It enables the reader to integrate fundamental knowledge of the basic disciplines, to understand the most important chemical processes, and to apply this knowledge and understanding to industrial processes.

This innovative textbook examines both large-scale and small-scale chemical and biotechnology industries and aims to bring to life the concepts that form the basis of the process industry. Starting with a general look at the industry, subsequent chapters examine different processes in greater detail. Emphasis tends to be placed on chemical reactions and the reactor, both at the heart of each process, but coverage also includes feed pre-treatment and product separation.

Features:

- * A comprehensive and balanced introduction, providing an essential link between chemistry and the chemical industry
- * Includes problems with their solutions to encourage a fuller understanding of the project.
- * Many examples and case studies taken from a variety of modern industries
- * Richly illustrated chapters, with many clearly developed flow diagrams and numerous figures

Chemical Process Technology will be invaluable to all students of chemical engineering, biotechnology and industrial chemistry who need a modern introduction to chemical reactions and processes. The book will also be of interest to researchers and professionals needing a concise, up-to-date text on this diverse subject.

About the Author

Jacob Moulijn, Michiel Makkee, Annelies van Diepen, Delft University of Technology

Users Review

From reader reviews:

Susan Velez:

The book Chemical Process Technology can give more knowledge and also the precise product information about everything you want. So why must we leave the great thing like a book Chemical Process Technology? A number of you have a different opinion about book. But one aim which book can give many data for us. It is absolutely suitable. Right now, try to closer with your book. Knowledge or information that you take for that, you may give for each other; you may share all of these. Book Chemical Process Technology has simple shape but the truth is know: it has great and massive function for you. You can search the enormous world by open up and read a guide. So it is very wonderful.

Ann Davis:

What do you concerning book? It is not important along? Or just adding material when you really need something to explain what yours problem? How about your time? Or are you busy person? If you don't have spare time to complete others business, it is gives you the sense of being bored faster. And you have spare time? What did you do? Every person has many questions above. They need to answer that question simply because just their can do that. It said that about e-book. Book is familiar on every person. Yes, it is proper. Because start from on guardería until university need this particular Chemical Process Technology to read.

Garland Thorpe:

This book untitled Chemical Process Technology to be one of several books that best seller in this year, this is because when you read this publication you can get a lot of benefit upon it. You will easily to buy this kind of book in the book retail store or you can order it by using online. The publisher of this book sells the e-book too. It makes you easier to read this book, since you can read this book in your Mobile phone. So there is no reason to your account to past this reserve from your list.

Jerry Lyon:

What is your hobby? Have you heard that will question when you got scholars? We believe that that question was given by teacher to the students. Many kinds of hobby, Everyone has different hobby. And you know that little person just like reading or as examining become their hobby. You need to know that reading is very important and also book as to be the point. Book is important thing to incorporate you knowledge, except your personal teacher or lecturer. You discover good news or update in relation to something by book. Many kinds of books that can you decide to try be your object. One of them is niagra Chemical Process Technology.

**Download and Read Online Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen
#VWIJQL71AGD**

Read Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen for online ebook

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen books to read online.

Online Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen ebook PDF download

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen Doc

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen MobiPocket

Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen EPub

VWIJQL71AGD: Chemical Process Technology By Jacob A. Moulijn, Michiel Makkee, Annelies E. van Diepen