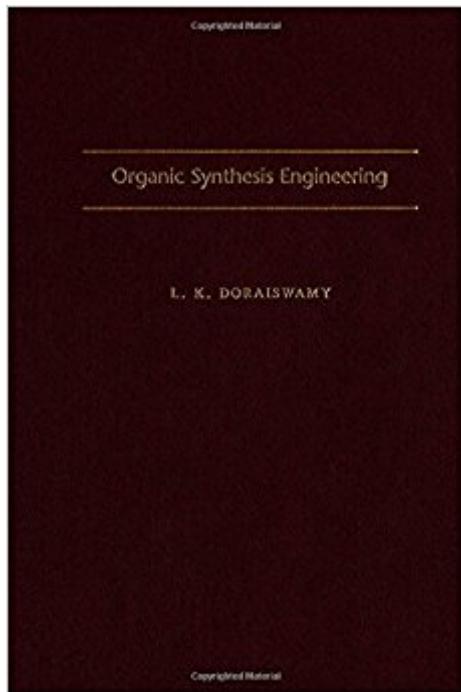


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# Organic Synthesis Engineering



## Synopsis

This book will formally launch "organic synthesis engineering" as a distinctive field in the armory of the reaction engineer. Its main theme revolves around two developments: catalysis and the role of process intensification in enhancing overall productivity. Each of these two subjects are becoming increasingly useful in organic synthesis engineering, especially in the production of medium and small volume chemicals and enhancing reaction rates by extending laboratory techniques, such as ultrasound, phase transfer catalysts, membrane reactor, and microwaves, to industrial scale production. This volume describes the applications of catalysis in organic synthesis and outlines different techniques of reaction rate and/or selectivity enhancement against a background of reaction engineering principles for both homogeneous and heterogeneous systems.

## Book Information

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## Customer Reviews

The chemistry and chemical engineering community has waited a long time for a book on this topic ... There is much to admire in this book - the range of topics covered is immense and the number of references large ... the book is worth purchasing. \* Organic Process Research & Development \* Organic synthesis engineering is one of the most exciting and rapidly expanding fields of research and this book presents a state-of-the-art approach ... The breadth of coverage in this book makes it suitable for both chemists and chemical engineers. \* Chemistry & Industry \*

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