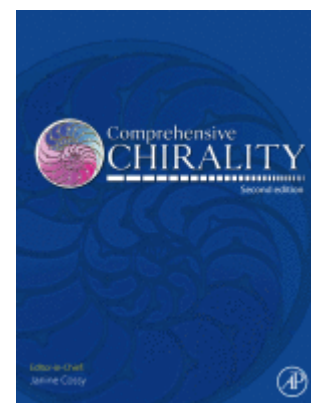


# Comprehensive Chirality, 2nd Edition

## 綜合手性 第二版

*The ultimate resource for delving deep into the world of chiral chemistry, encompassing the latest advancements in synthesis, analysis, catalysis, and pharmaceuticals.*

《綜合手性》第二版，共九冊，提供了該領域的完整概述，包括與合成、分析化學、催化和製藥相關的手性研究。這個新版本的重點是反應和方法，而不是第一版中討論的抽象概念。一些原始卷被合併，以便為新區域、引入新卷和更新其他卷騰出空間。無論是在學術或企業環境中，這些章節都將為新進入某個領域的高級學生/研究人員以及需要進一步背景知識或特定問題答案的人（特別是在藥物開發方面）提供寶貴的資源。



### Key features/ benefits

- Chirality research, central in chemistry and biology, transcends disciplines but lacks clear definitions. Our work unites these areas for easy navigation, saving time and enhancing understanding.
- Chirality has numerous related journals but lacks a unifying reference. Comprehensive Chirality fills this gap, providing context and aiding research and problem-solving.
- This compendium is invaluable for instructors, experimentalists, students, and those curious about chirality. Accessing the nine-volume series grants direct insight and collective knowledge from contributors.

### What problem does this MRW solve?

This book primarily addresses the pharmaceutical industry's challenge in developing chirally pure drugs, a crucial issue given that many drugs are chiral compounds. It provides focused knowledge on chiral chemistry and synthesis to help tackle this problem. Additionally, the book offers a one-stop resource for students and researchers, streamlining access to comprehensive information, reducing the need to consult multiple sources.

### Meet the Editors-in-Chief

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### Important Areas of Coverage:

- Chiral Pool and Synthesis; Chiral Auxiliaries
- Catalytic C-C Bond Construction
- Asymmetric Photochemistry and Photoredox Catalysis; Olefin Functionalization; Cycloadditions; Oxidations-Reductions
- Enzyme and Biocatalysis
- Industrial Applications in Complex Molecule Synthesis

### New or substantially revised areas in this edition include:

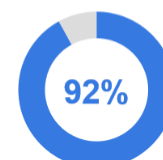
- Chiral Pool and Diastereoselective Methods
- Asymmetric Photochemistry and Photoredox Catalysis
- Oxidations-Reductions



190  
Chapters



>300  
Authors/  
contributors



new or revised  
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