



# Chirality in Transition Metal Chemistry: Molecules, Supramolecular Assemblies and Materials

*Hani Amouri, Michel Gruselle*

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*Chirality in Transition Metal Chemistry* is an essential introduction to this increasingly important field for students and researchers in inorganic chemistry. Emphasising applications and real-world examples, the book begins with an overview of chirality, with a discussion of absolute configurations and system descriptors, physical properties of enantiomers, and principles of resolution and preparation of enantiomers. The subsequent chapters deal with the the specifics of chirality as it applies to transition metals.

Some reviews of *Chirality in Transition Metal Chemistry*

"...useful to students taking an advanced undergraduate course and particularly to postgraduates and academics undertaking research in the areas of chiral inorganic supramolecular complexes and materials."  
*Chemistry World, August 2009*

"...the book offers an extremely exciting new addition to the study of inorganic chemistry, and should be compulsory reading for students entering their final year of undergraduate studies or starting a Ph.D. in structural inorganic chemistry."  
*Applied Organometallic Chemistry Volume 23, Issue 5, May 2009*

"...In conclusion the book gives a wonderful overview of the topic. It is helpful for anyone entering the field through systematic and detailed introduction of basic information. It was time to publish a new and topical text book covering the important aspect of coordination chemistry. It builds bridges between Inorganic, organic and supramolecular chemistry. I can recommend the book to everybody who is interested in the chemistry of chiral coordination compounds ."  
*Angew. chem. Volume 48, Issue 18, April 2009*

## About the Series

*Chirality in Transition Metal Chemistry* is the latest addition to the Wiley *Inorganic Chemistry Advanced Textbook* series. This series reflects the pivotal role of modern inorganic and physical chemistry in a whole range of emerging areas such as materials chemistry, green chemistry and bioinorganic chemistry, as well as providing a solid grounding in established areas such as solid state chemistry, coordination chemistry, main group chemistry and physical inorganic chemistry.

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