DESCRIPTION

This series offers practical help for advanced undergraduate, graduate and postgraduate students, as well as experienced chemists in industry and academia working with catalysts in organic and organometallic synthesis. It features tested and validated procedures, authoritative reviews on classes of catalysts, and assessments of all types of catalysts. *Micro- and Mesoporous Solid Catalysts* describes the use of zeolites and mesoporous solids as catalysts for the production of fine and specialty chemicals.

- Specific tips and hints are provided and some typical procedures are described in detail.
- In addition to discussing the pros and cons, several major organic transformations are examined including aromatic substitutions, heterocyclic ring formation, amines synthesis, oligomerisation, oxidation and hydroxylation, and other regioselective and stereoselective reactions.
- Features tutorial introductory chapters, including tips and hints for achieving successful organic transformations.
- Important reactions are featured together with recommendations to resolve potential problems.
éric Gérard Joseph Derouane was a French-speaking Belgian catalyst scientist. In 1968 he obtained his MSc in Chemistry at Princeton University and his PhD at the University of Liège. He then became a Research Associate of FNRS. Stanley M. Roberts is the editor of Microporous and Mesoporous Solid Catalysts, Volume 4, published by Wiley.