



**Editor:**  
**Claudio Santi**  
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# Organoselenium Chemistry: Between Synthesis and Biochemistry

## About the ebook

The use of organoselenium reagents as catalysts is a common thread that runs through the chapters of this book, introducing important aspects of the modern organoselenium chemistry: organocatalysis

### Contents

- ▶ Electrophilic Selenium Reagents: Addition Reactions to Double Bonds and Selenocyclizations
- ▶ Nucleophilic Selenium: Nucleophilic Substitution
- ▶ Organoselenium Compounds as Precursor of Radicals
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- ▶ Enantioselective Catalysis for the Preparation of Organoselenium Compounds and Applications
- ▶ Eco-Friendly Access and Application of Organoselenium Reagents: Advances Toward Green Chemistry
- ▶ Biochemistry and Nutrition of Selenium: From Inorganic Forms to Endogenous Proteins
- ▶ Antimicrobial Activity of Organoselenium Compounds
- ▶ Selenium and "Bio-Logic" Catalysis: New Bioinspired Catalytic Reactions

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