

### Pharmaceutical Chemistry

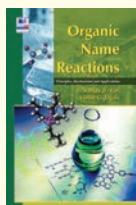
- ▶ Organic Chemistry
- ▶ Organic Chemistry Practicals
- ▶ Inorganic Chemistry
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### Medicinal Chemistry

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## PHARMACEUTICAL CHEMISTRY

### ORGANIC CHEMISTRY



### Organic Name Reactions: Principles, Mechanisms and Applications

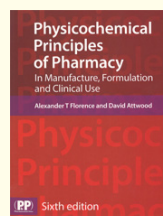
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**Sanjay B. Bari and Vinod G. Ugale**

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120. Larock Indole Synthesis 121. Lawesson's Reagent Synthesis 122. Leuckart's Reaction 123. Leucart-Wallach reaction 124. Lindlar Hydrogenation 125. Lossen Rearrangement 126. Malaprade Reaction 127. Malonic Ester Synthesis 128. Mannich Reaction 129. Markovnikov's Rule 130. Mcclafferty Rearrangement 131. Meerwein-Ponndorf-Verley Reduction 132. Michael Addition Reaction 133. Mitsunobu Reaction 134. Morin Rearrangement 135. Neber Rearrangement 136. Nef Reaction 137. Nucleophilic Substitution Reaction (SN1/SN2) 138. Oppenauer Oxidation 139. Orton Rearrangement 140. Overman Rearrangement 141. Paal-Knorr Furan Synthesis 142. Paal-Knorr Pyrrole Synthesis 143. Pechmann Condensation 144. Pechmann Pyrazole Synthesis 145. Perkins Reaction 146. Pinacol-Pinacolone Rearrangement 147. Prins Reaction 148. Pummerer Rearrangement 149. Reformatsky Reaction 150. Reimer-Tiemann Reaction 151. Reissert Indole Synthesis 152. Retro-Diels-Alder Reaction 153. Retro-Ene Reaction 154. Robinson Annulation 155. Rosenmund Reduction 156. Ruff Degradation 157. Sabatier-Senderens Reduction 158. Sandmeyer Isatin Synthesis 159. Sandmeyer Reaction 160. Saytzeff's Rule 161. Schmidt Reaction 162. Schotten-Baumann Reaction 163. Skrapu Quinoline Synthesis 164. Smiles Rearrangement 165. Sommelet Reaction 166. Sommelet-Hauser Rearrangement 167. Staudinger [2 + 2] Cycloaddition Reaction 168. Staudinger Reduction Reaction 169. Stephen Reaction 170. Stevens Rearrangement 171. Stobbe Condensation 172. Stork Enamine Reaction 173. Strecker Synthesis 174. Suzuki Coupling 175. Swern Oxidation 176. Tiemann Cyanohydrin Amination 177. Tiemann Rearrangement 178. Tishchenko Reaction 179. Ugi Reaction 180. Ullmann Acridine Synthesis 181. Ullmann Reaction 182. Victor Meyer Reaction 183. Vilsmeier-Haack Reaction 184. Wacker Oxidation 185. Walden Inversion 186. Wagner-Meerwein Rearrangement 187. Wilkinson's Catalyst 188. Willgerodt-Kindler Reaction 189. Williamson Synthesis of Ether 190. Wittig Reaction 191. [1,2]-Wittig Rearrangement 192. [2,3]-Wittig Rearrangement 193. Wohl-Ziegler Reaction 194. Wolff-Kishner Reduction 195. Wolff Rearrangement 196. Wurtz Reaction 197. Wurtz-Fittig Reaction 198. Yamaguchi Esterification 199. Ziegler-Hafner Azulene Synthesis 200. Ziegler-Natta Polymerization.

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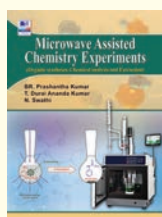
**Alexander T Florence, David Attwood**

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## PHARMACEUTICAL CHEMISTRY

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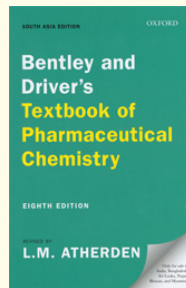
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**B. R. Prashantha Kumar,  
T. Durai Ananda Kumar, N. Swathi**

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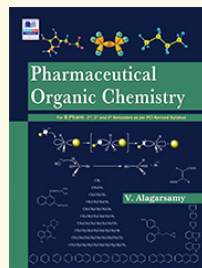
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## Pharmaceutical Organic Chemistry

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**V. Alagarsamy**

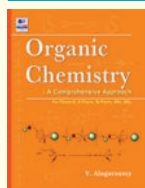
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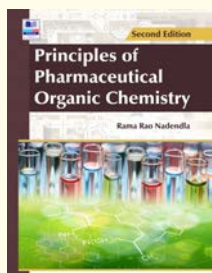
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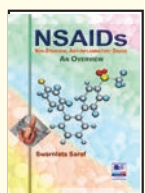
## Principles of Pharmaceutical Organic Chemistry, 2<sup>nd</sup> Ed.

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## PHARMACEUTICAL CHEMISTRY

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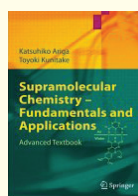
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**John E. McMurry**

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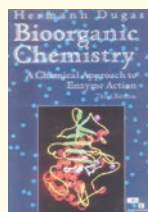
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## Supramolecular Chemistry - Fundamentals and Applications

**Katsuhiko Ariga & Toyoki Kunitake**

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## Bioorganic Chemistry: A Chemical Approach to Enzyme Action, 3<sup>rd</sup> Ed.

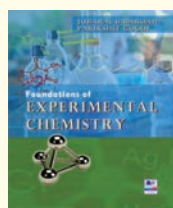
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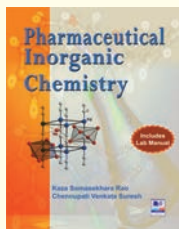
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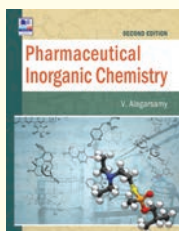
### Pharmaceutical Inorganic Chemistry

Kaza Somasekhara Rao &amp; Chennupati Venkata Suresh

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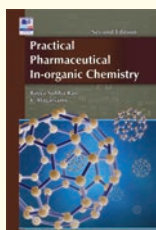
V. Alagarsamy

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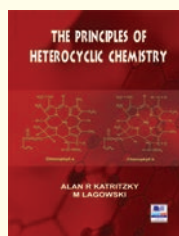
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Bayya Subba Rao and V. Alagarsamy

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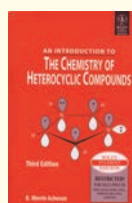


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Alan R. Katritzky &amp; J. M. Lagowski

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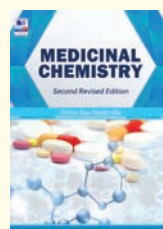
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## MEDICINAL CHEMISTRY



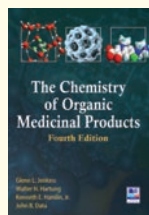
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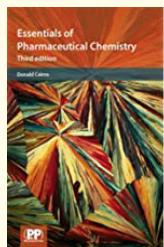
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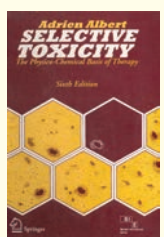
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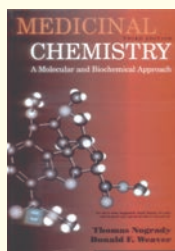


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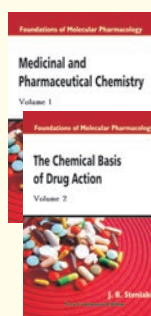


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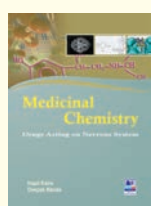
Vol. 2: The Chemical Basis of Drug Action

J. B. Stenlake

This book has emerged from some thirty years of teaching undergraduate courses and conducting research in medicinal and pharmaceutical chemistry. It is conceived essentially as a foundation course in the basic principles of organic chemistry applied to the study of medicinal agents and the formulations in which they are used. It is intended primarily to cater for the needs of undergraduate students of pharmacy and medicinal chemistry. To reinforce the continuity of the subject between the two volumes, the author has provided a system of cross-referencing between chapters, both within and between the two volumes. The basic philosophy underlying the text is that those concerned with the design and use of drugs and medicines are interested fundamentally in properties rather than in methods of manufacture. Attention is focused in Volume 1 on the physical and chemical properties of medicinal agents, pharmaceutical additives and cellular components, that determine the way in which they interact with each other. To achieve this end, substantial accounts of relevant intermediary tissue metabolism, drug transport and metabolism, and other factors affecting both stability and availability of drugs from dosage forms have been brought together in the general body of the text. This approach emphasizes the close similarity between chemical and biochemical transformations, and should help to give students and others engaged in the design of new drugs a better understanding of the fundamental mechanisms which control interactions between drugs and body chemistry. The more general, but essentially similar approach to the Chemical Basis of Drug Action adopted in Volume 2, which reinforces the basic principles for the specialist, should also appeal in its own right to clinical pharmacologists and others whose interests lie rather more in the action and use of drugs than in their design. Since this book is designed to assist in the education of students, many of whom will be engaged in later life in the handling and use of drugs in practice, examples are deliberately drawn from drugs in current use.

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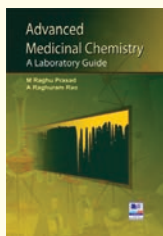


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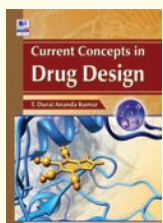
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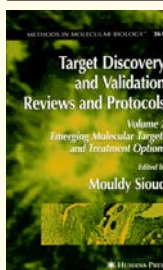
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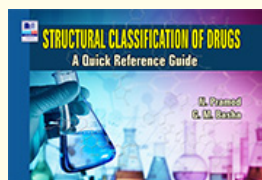


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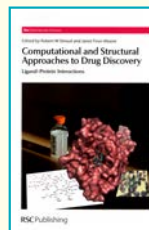
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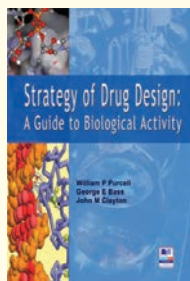
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## DRUG DESIGN AND DISCOVERY

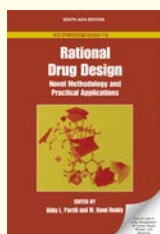


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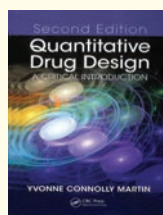
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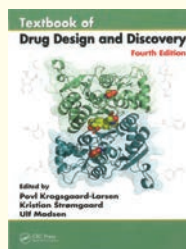
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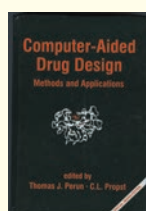


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## DRUG DESIGN AND DISCOVERY



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