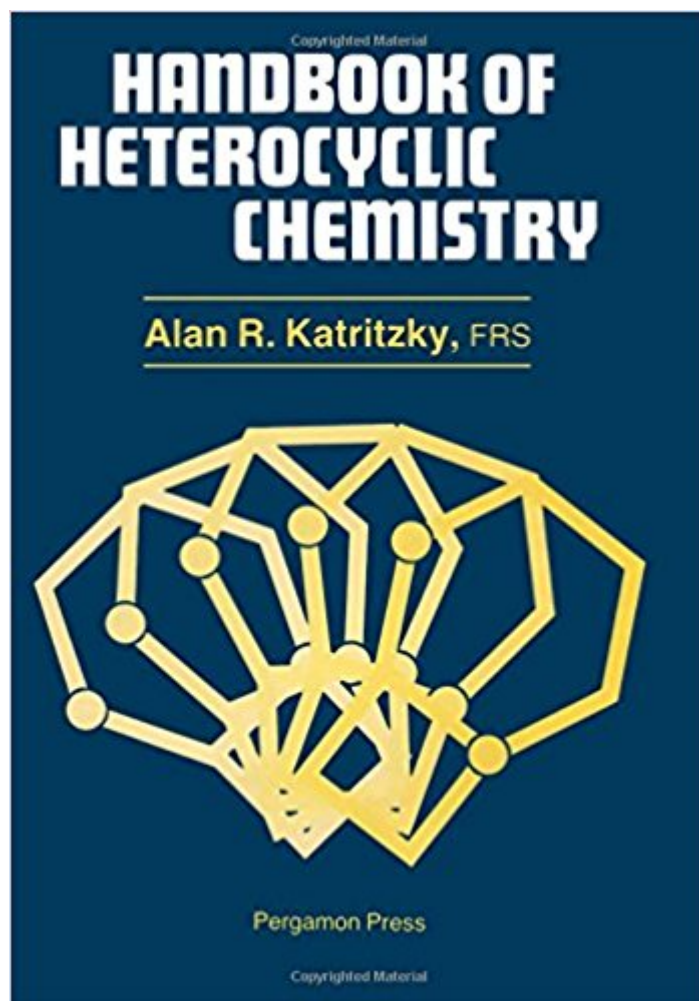




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Handbook Of Heterocyclic Chemistry



Synopsis

Heterocyclic chemistry is the largest of the classical divisions of organic chemistry. Heterocyclic compounds are widely distributed in Nature, playing a vital role in the metabolism of living cells. Their practical applications range from extensive clinical use to fields as diverse as agriculture, photography, biocide formulation and polymer science. The range of known compounds is enormous, encompassing the whole spectrum of physical, chemical and biological properties. This book provides a balanced, concise and informative account of heterocyclic chemistry that will be suitable for graduate or advanced undergraduate students and a convenient reference book for research workers, for both specialists in the field and those whose expertise lies in other areas but who nevertheless need information on heterocyclic chemistry. The Handbook of Heterocyclic Chemistry is illustrated throughout with thousands of clearly drawn chemical structures. The highly systematic coverage given to the subject makes this the most authoritative one-volume account of modern heterocyclic chemistry available. Provides a balanced, concise and informative account of heterocyclic chemistry. Written by leading scholars and industry experts. Illustrated throughout with thousands of clearly drawn chemical structures. The most authoritative one-volume account of modern heterocyclic chemistry available -- This text refers to the Digital edition.

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Customer Reviews

Heterocyclic chemistry is the largest of the classical divisions of organic chemistry. Heterocyclic compounds are widely distributed in Nature, playing a vital role in the metabolism of living cells. Their practical applications range from extensive clinical use to fields as diverse as agriculture,

photography, biocide formulation and polymer science. The range of known compounds is enormous, encompassing the whole spectrum of physical, chemical and biological properties. This book provides a balanced, a concise and informative account of heterocyclic chemistry that will be suitable for graduate or advanced undergraduate students and a convenient reference book for research workers, for both specialists in the field and those whose expertise lies in other areas but who nevertheless need information on heterocyclic chemistry. The Handbook of Heterocyclic Chemistry is illustrated throughout with thousands of clearly drawn chemical structures. The highly systematic coverage given to the subject makes this the most authoritative one-volume account of modern heterocyclic chemistry available. --This text refers to the Digital edition.

Alan Katritzky was educated at Oxford and has held faculty positions at Cambridge and East Anglia before he migrated in 1980 to the University of Florida, where he was Kenan Professor and Director for the Institute for Heterocyclic Compounds. During his career he has trained more than 1000 graduate students and post-docs, and lectured and consulted world-wide. He led the team, which produced "Comprehensive Heterocyclic Chemistry" and its sequels, "CHEC-II" and "CHEC-III";, has edited "Advances in Heterocyclic Chemistry, Vols. 1 through 11"; and conceived the plan for "Comprehensive Organic Functional Group Transformations". He founded Arkat-USA, a non-profit organization which publishes "Archive for Organic Chemistry" (ARKIVOC) an electronic journal completely free to authors and readers at (www.arkat-usa.org). Honors include 14 honorary doctorates from 11 countries and membership of foreign membership of the National Academies of Britain, Catalonia, India, Poland, Russia and Slovenia. Chris Ramsden was born in Manchester, UK in 1946. He is a graduate of Sheffield University and received his PhD in 1970 for a thesis entitled "Meso-ionic Compounds" (W. D. Ollis) and a DSc in 1990. Subsequently he was a Robert A. Welch Postdoctoral Fellow at the University of Texas (with M. J. S. Dewar)(1971-3), working on the development and application of semi-empirical MO methods, and an ICI Postdoctoral Fellow at the University of East Anglia (with A. R. Katritzky)(1973-6), working on the synthesis of novel heterocycles. In 1976 he moved to the pharmaceutical industry and was Head of Medicinal Chemistry (1986-1992) at Rhone-Poulenc, London. He moved to Keele University as Professor of Organic Chemistry in 1992, where he is now Emeritus Professor. His research interests include the structure and preparation of novel heterocycles, three-centre bonding in the context of the chemistry of betaines and hypervalent species, and the properties of the enzyme tyrosinase and related ortho-quinone chemistry. He was an Editor-in-Chief of "Comprehensive

Heterocyclic Chemistry III and a co-author of The Handbook of Heterocyclic Chemistry, 3rd Edn, 2010. John Arthur Joule did his BSc, MSc, and PhD degrees at The University of Manchester, obtaining his PhD in 1961. He then undertook post-doctoral work at Princeton University and Stanford University, before joining the academic staff of the Chemistry Department at The University of Manchester in 1963, where he is currently a Professor. In 1996 he received an RSC Medal for Heterocyclic Chemistry. --This text refers to the Digital edition.

All you want about Heterocyclic Chemistry is in this book. From basic principles to all kinds of reactions. And all these from the "master of heterocycles". I would give it 5 stars but i didn't like the index and the design of the pages. You cannot find things so easily in there. But they are all there and that's the most important thing. If i can recommend 10 chemistry books, it would be one of them for sure.

Good guide, if one wants to understand some deeper basics of heterocyclic chemistry, especially, tautomeric equilibria and preferable forms are well described.

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