

Book Review of Annual Reports in Medicinal Chemistry. Volume 45

Annual Reports in Medicinal Chemistry. Volume 45.

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Topic arrangement in this latest edition of Annual Reports follows the past template: the 28 chapters are subdivided into discussions on central nervous system disease, cardiovascular and metabolic diseases, inflammation/pulmonary/GI, oncology, infectious diseases, topics in biology, topics in drug design and discovery, and finally “market-to-market”, a most useful and informative review of new drugs introduced in 2009.

Overall, chapters are well written and are well referenced with citations to many 2010 communications, giving the reader access to a tremendous amount of new information. Chemical structures are well drawn, and few structural errors were noted.

This reviewer was disappointed to note that, contrary to the editor's expressed intent stated in Volume 44 that case studies on new drugs would be included in subsequent volumes, there was a case study discussion only in the chapter on patents. It was noted that almost all of the authors and section editors in volume 45 are from industry; only two authors and one section editor were academicians. A more equitable mix of industrial and academic contributors should be a positive factor in defining the underlying significance of the research described. Inevitably, industrial scientists and academicians view the chemical world somewhat differently, but both groups have much to offer to create and communicate a more expansive view of drug research.

Despite these concerns, this reviewer views Volume 45 as a superb contribution to the literature of medicinal chemistry. It should be a part of the working library of graduate students, practicing medicinal chemists, pharmacologists, biochemists, and any others involved in drug research.

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