

**Statistics for the Quality Control Chemistry Laboratory.** By Eamonn Mullins (Trinity College, Dublin, Ireland). Royal Society of Chemistry: Cambridge. 2003. xviii + 456 pp. \$89.95. ISBN 0-85404-671-2.

The aim of this book is to introduce statistical methods as tools for analysis in quality control laboratories. It emphasizes simple graphical methods of data analysis, such as control charts, and focuses in large part on the design and analysis of laboratory experiments—including practical case studies. The eight chapters are titled as follows: Variability in Analytical Measurements; Control Charts in the Analytical Laboratory; Some Important Statistical Ideas; Simple Comparative Studies; Studying Complex Systems; Fitting Equations to Data; The Design and Analysis of Laboratory Studies Re-visited; and Assessing Measurement Quality. Each chapter includes review exercises, making the book suitable as a textbook (although it is not designed solely as a textbook and thus should also appeal to analysts currently working in QC labs). The book concludes with a solution guide to the exercises, an appendix of statistical tables, and a subject index.

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**Environmental Radiochemical Analysis II.** Edited by Peter Warwick (Loughborough University, Leicestershire, UK). Royal Society of Chemistry: Cambridge. 2003. xii + 420 pp. \$275.00. ISBN 0-85404-618-6.

This book is based on the papers presented at the 9th International Symposium on Environmental Radiochemical Analysis held in Maidstone, UK in September 2002. The topics covered include “new methods of radionuclide analyses, developments and improvements in existing methods, method comparisons, environment studies, method uncertainties, underground laboratories, and software development”. Isotope and subject indexes complete the book.

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Unsigned book reviews are by the Book Review Editor.

**Targets in Heterocyclic Systems: Chemistry and Properties, Volume 6 (2002). Reviews and Accounts on Heterocyclic Chemistry.** Edited by Orazio A. Attanasi (University of Urbino) and Domenico Spinelli (University of Bologna). Italian Society of Chemistry: Rome. 2003. viii + 418 pp. \$139.00. ISBN 88-86208-23-5.

Volume 6 of this series contains 14 chapters and covers, in the words of the editors, “the synthesis and reactivity, as well as some medicinal properties of different heterocycles”. A sampling of the chapter titles includes: “Pyrazoles as drugs: facts and fantasies”; “Furan-2,3-diones: convenient synthons in heterocyclic chemistry”; and “Recent development in the chemistry of 4,5-dihalo-3(2H)-pyridazinones”. References are current through 2002.

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**Seminars in Organic Synthesis: XXVIII Summer School “A. Corbella”, June 16–20, 2003, Palazzo Feltrinelli, Università degli Studi di Milano, Gargnano (BS).** Italian Society of Chemistry: Rome. 2003. 408 pp. (plus a 30 page supplement). \$129.00. ISBN 88-86208-27-8.

The 18 chapters in this edition of *Seminars in Organic Synthesis* fall under the following headings: Materials Endowed with Special Properties: Materials with Electric and Optical Properties (two chapters) and Materials with Biological Properties (two chapters); “Special Effects” Induced by Chiral Molecules (three chapters); Advanced Physical Methods in Organic Chemistry (four chapters); Nonclassical Synthetic Methodologies (two chapters); Primo Levi and the Unity of Culture (one chapter); and Critical Surveys Covering the Year 2002 (four chapters). A separate, supplemental chapter “NMR methods to investigate receptor–ligand interactions” and a CD of the book are also included.

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