

This article was downloaded by:

On: 24 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



## Journal of Liquid Chromatography & Related Technologies

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713597273>

### The Book Corner

Hassan Y. Aboul-Enein<sup>a</sup>

<sup>a</sup> Bioanalytical and Drug Development Laboratory, Biological and Medical Research (MEW-03), King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

**To cite this Article** Aboul-Enein, Hassan Y.(1995) 'The Book Corner', Journal of Liquid Chromatography & Related Technologies, 18: 17, 3545 – 3547

**To link to this Article:** DOI: 10.1080/10826079508010469

**URL:** <http://dx.doi.org/10.1080/10826079508010469>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

## THE BOOK CORNER

**HANDBOOK OF DERIVATIVES FOR CHROMATOGRAPHY, Second Edition, edited by K. Blau and J. M. Halket, John Wiley & Sons, Ltd., Chichester, England, 1993, xxii + 370 pp, £65.00; ISBN: 0-471-92699-X**

The first edition of this book was published in 1977; it provided a comprehensive summary of chemistry of derivatization, ranging from classical esterification and acylation to other, more esoteric methods for derivatizing inorganic anions, which was primarily suitable for gas chromatography. However, with the rapid development in HPLC and other analytical modalities, the second edition includes several new chapters, such as colored and UV-absorbing derivatives for HPLC to increase selectivity and detectability. Also, a new chapter addresses the derivatization of optically active compounds to maximize their potential for separation by liquid chromatography.

Chapter 12 deals with derivatization for fast atom bombardment mass spectrometry (FAB-MS) and to supercritical fluid chromatography (SFC). Thus, the new edition is currently needed to provide more comprehensive information and new advances in chemical derivatization in liquid chromatography.

The book consists of 16 chapters, and each one ends with a list of pertinent references. Among other topics discussed in detail are:

- ⇒ silylation and alkylation
- ⇒ derivative formation by ketone-base condensation
- ⇒ post chromatographic derivatives

This book provides information of great value for chromatographers, mass spectroscopists in particular and analytical chemists in general. It should be available in the laboratories and libraries of academic institutions, chemical and pharmaceutical industries and research centers.

**HANDBOOK OF SIZE EXCLUSION CHROMATOGRAPHY, edited by Chi-san Wu. Chromatographic Science Series Volume 69, Marcel Dekker, Inc., New York, U.S.A., viii + 472 pp; \$175.00; ISBN:0-8247-9288-2**

Size exclusion chromatography (SEC) is a technique given to the liquid chromatographic separation of macromolecules by molecular size. This book discusses the details and particular use of SEC in characterizing the molecular distribution of important polymeric materials. The book is written by 25 internationally recognized contributors in the field. It consists of 17 chapters with over 1000 references and 175 tables and illustrations. The topics included in the book are:

- ◆ Introduction to Size Exclusion Chromatography
- ◆ Semirigid Polymer Gels for Size Exclusion Chromatography  
Modified Silica-Base Packing Materials for Size Exclusion  
Chromatography
- ◆ Molecular Weight-Sensitive Detectors for Size Exclusion Chromatography
- ◆ Determination of Molecular Weight Distributions of Copolymers by Size  
Exclusion Chromatography
- ◆ Size Exclusion Chromatography of Polyamides, Polyesters, and  
Fluoropolymers
- ◆ Size Exclusion Chromatography of Natural and Synthetic Rubber
- ◆ Size Exclusion Chromatography of Asphalts
- ◆ Size Exclusion Chromatography of Acrylamide Homopolymer and  
Copolymers

- ◆ Aqueous Size Exclusion Chromatography of Polyvinyl Alcohol
- ◆ Size Exclusion Chromatography of Polyvinyl Acetate
- ◆ Size Exclusion Chromatography of Vinyl Purrolidone Homopolymer and Copolymers
- ◆ Size Exclusion Chromatography of Cellulose and Cellulose Derivatives
- ◆ Size Exclusion Chromatography of Lignin Derivatives
- ◆ Size Exclusion Chromatography of Startch
- ◆ Size Exclusion Chromatography of Proteins
- ◆ Size Exclusion Chromatography of Nucleic Acids

The book is an important reference and excellent addition to the field of separation science. It is a practical tool for chromatographers, analytical chemists, biochemists and polymer chemist faced with use of SEC to determine the absolute molecular distribution of polymers among other applications. The book should be on the shelves of all those interested in SEC analyses.

These books were reviewed by:

Hassan Y. Aboul-Enein, Ph.D.,FRSC  
Bioanalytical and Drug Development Laboratory  
Biological and Medical Research Centre  
King Faisal Specialist Hospital and Research Centre  
P.O.Box 3354, Riyadh 11211, Saudi Arabia