

This article was downloaded by:

On: 25 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>

A review of: “Diode array detection in HPLC, edited by L. Huber & S. A. George, Chromatographic Science Series, J. Cazes Editor, Volume 62, Marcel Dekker, Inc. New York, Basel, Hongkong, 1993, vii 400 pp., \$150.00; ISBN: 042474947-4”

To cite this Article (1994) 'A review of: “Diode array detection in HPLC, edited by L. Huber & S. A. George, Chromatographic Science Series, J. Cazes Editor, Volume 62, Marcel Dekker, Inc. New York, Basel, Hongkong, 1993, vii 400 pp., \$150.00; ISBN: 042474947-4”', *Journal of Liquid Chromatography & Related Technologies*, 17: 18, 4057 – 4058

To link to this Article: DOI: 10.1080/10826079408016172

URL: <http://dx.doi.org/10.1080/10826079408016172>

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

DIODE ARRAY DETECTION IN HPLC, edited by L. Huber & S. A. George, Chromatographic Science Series, J. Cazes Editor, Volume 62, Marcel Dekker, Inc. New York, Basel, Hongkong, 1993, vii + 400 pp., \$150.00; ISBN: 042474947-4

This book represents Volume 62 in the Chromatographic Science Series published by Marcel Dekker. The book is well presented and discusses the principles and techniques of diode array detection and its application in high performance liquid chromatography. The advantages of diode array detection over conventional absorbance detectors are also well presented. Diode array detection offers high selectivity and sensitivity as it is coupled by modern software which can evaluate and process a large amount of data, provided in a very short time. The most significant improvements made in optics of the diode array detector is also discussed.

The book is written by eight contributors, who are experienced in this technique. It also is well illustrated, as it contains 239 figures, 22 tables, and each chapter ends with references; however, the most recent references are cited in 1990.

The volume consists of 14 chapters, classified into four parts, with the following topics:

I. Theory and Design:

- * Historical Developments
- * Modern Developments

II. Advantages of Diode Array Detectors to Chromatographers:

- * Diode Array Detection Advantages for the Chromatographer
- * Spectral Matching and Peak Purity
- * Chemometrics and Photodiode Array Detection

III. Applications of Diode Array Detectors:

- * The Use of Diode Array Detectors in the Pharmaceutical Industry
- * Clinical Applications

- * Toxicological Applications
- * Applications in the Analysis of Amino Acids, Peptides and Proteins
- * Food and Beverages
- * Environmental Applications
- * Chemical, Petrochemical, and Polymer Applications

IV. Guidelines on how to optimize Sensitivity, Selectivity, Automation:

- * Optimization of Diode Array Detection, and
- * Using Diode Array Detectors for Automated Routine Analysis.

This book is highly recommended to analytical, pharmaceutical and environmental chemists and also for biochemists, and graduate students.

Reviewed by
Hassan Y. Aboul-Enein, PhD, FRSC
Bioanalytical and Drug Development Laboratory
Biological and Medical Research Department
King Faisal Specialist Hospital
and Research Centre
P.O. Box3354
Riyadh 11211. Saudi Arabia