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A Review of: “ADVANCES IN CHROMATOGRAPHY, Volume 34, Edited by P R Brown and E Grushka, Marcel Dekker, Inc. New York, NY, 456 pages, 1994 Price \$165 00”

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THE BOOK CORNER

ADVANCES IN CHROMATOGRAPHY, Volume 34, Edited by P.R. Brown and E. Grushka, Marcel Dekker, Inc., New York, NY, 456 pages, 1994. Price: \$165.00.

The present volume of this excellent and prestigious series is made up of seven chapters, written by experts in their respective areas. Although the series is entitled, "Advances in Chromatography," Volume 34 contains two chapters dealing with capillary electrophoresis (CE), which is an electromigration separation technique. In the future, we will probably see more and more reviews dealing with this new and powerful microseparation technique with an efficiency exceeding one million theoretical plates. The two CE chapters selected deal with very important topics: serum and plasma proteins, and carbohydrates. These two reviews give a wealth of information and are well written and illustrated.

The other 5 chapters are well balanced: Chapters 3 and 7 are theoretical representations of peak overlap and optimization of quantitative analysis in separation science. Chapter 2 deals with analysis of natural products, which is a very interesting and important topic, considering the fact that many modern drugs and pharmaceuticals are the result of natural products research. Another interesting topic is discussed in Chapter 5, which deals with environmental applications of supercritical fluid chromatography, a technique which did not perform commercially and is not as well accepted as it should have been. However, its use in the analysis of environmental samples is useful and should be encouraged. Chapter 6 deals with the HPLC separation of organic ions. A discussion of reversed phase, ion-exchange, and ion-exclusion is given, with excellent illustrations including figures, tables and up-to-date references.

Volume 34 is a welcome addition to the separation science library. In light of the success of CE, may we recommend to the editors to change the title of the series to "Advances in Chromatography and Electrophoresis."

Table of Contents:

1. **High-Performance Capillary Electrophoresis of Human Serum and Plasma Proteins**, O. W. Reif, R. Lausch and R. Freitag, (1).

2. **Analysis of Natural Products by Gas Chromatography/Matrix Isolation/Infrared Spectrometry**, W. M. Coleman III and B. M. Gordon, (57).
3. **Statistical Theories of Peak Overlap in Chromatography**, J. M. Davis, (109).
4. **Capillary Electrophoresis of Carbohydrates**, Z. El Rassi, (177).
5. **Environmental Applications of Supercritical Fluid Chromatography**, L. J. Mulcahey, C. L. Rankin and M. E. P. McNally, (251).
6. **HPLC of Homologous Series of Simple Organic Anions and Cations**, N. E. Hoffman, (309).
7. **Uncertainty Structure, Information Theory, and Optimization of Quantitative Analysis in Separation Science**, Y. Hayashi and R. Matsuda, (347).

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