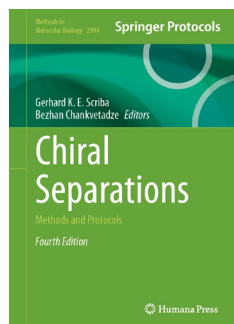


Notices of Books on Analytical Chemistry

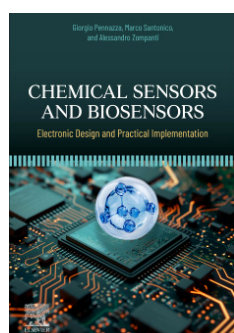


Chiral Separations – Methods and Protocols, 4th Edition

Gerhard K. E. Scriba, Bezhana Chankvetadze, Editors

2026, Humana New York, NY

This fully updated volume focuses on analytical separations by chromatographic and electrophoretic techniques, providing some overview along with a multitude of practical applications. Examination of the application of sensors for enantiodifferentiation as well as chapters on the analysis of analyte-selector complexes by NMR spectroscopy and molecular modeling have been included. Authoritative and practical, this book serves as a helpful guide for analytical chemists working on stereochemical problems in the fields of pharmacy, chemistry, biochemistry, food chemistry, molecular biology, forensics, environmental sciences, or cosmetics in academia, government, or industry. [doi](#)

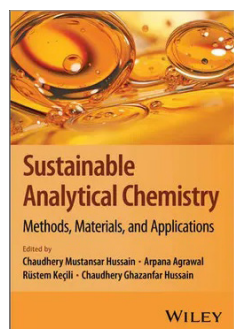


Chemical Sensors and Biosensors – Electronic Design and Practical Implementation

Giorgio Pennazza, Marco Santonico, Alessandro Zompanti, Authors

November, 2026, Elsevier

This book covers both foundational concepts and practical applications across various scientific disciplines to outline the development of chemical sensors. Section I, Fundamentals, explains sensor working principles, including key elements such as sensitivity, resolution, LOD, selectivity, repeatability, and reproducibility, along with calibration procedures. Section II, Practical Implementation, introduces application driven design and conceptual models for sensor development, including troubleshooting and common solutions across various sensors and their myriad applications. [Read more](#)

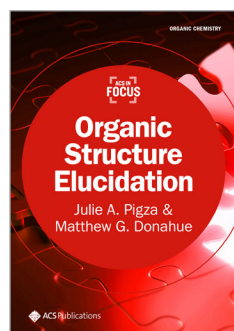


Sustainable Analytical Chemistry: Methods, Materials, and Applications

Chaudhery M. Hussain, Arpana Agrawal, Rüstem Keçili, Chaudhery G. Hussain, Eds.

March 2026, Wiley

This book provides a comprehensive overview of sustainable practices in analytical chemistry with a focus on reducing the environmental impact of analytical processes by using sustainable materials and techniques. The book reviews the latest advances in materials, sample preparation processes, extraction techniques, and sensor platforms, while also highlighting novel approaches such as smartphone-based detection and next-generation microfluidics. Emphasis is placed on the importance of nanotechnology and miniaturization in achieving sustainability goals and provides practical applications in fields such as environmental monitoring, healthcare, and food safety. [doi](#)



Organic Structure Elucidation // ACS In Focus

Julie A. Pigza, Matthew G. Donahue, Authors

May, 2026, American Chemical Society

This digital primer assists readers in developing the chemical logic required to interpret analytical data for the structural elucidation of small organic molecules. This primer focuses on elucidating organic compounds, and three main spectrometric techniques will be explored: infrared spectroscopy (IR), mass spectrometry (MS), and nuclear magnetic resonance spectroscopy (NMR). Some non-spectrometric aspects of structure elucidation will be described initially, including molecular formula, degree of unsaturation, and isomers, as they are used throughout any further analyses. [doi](#)