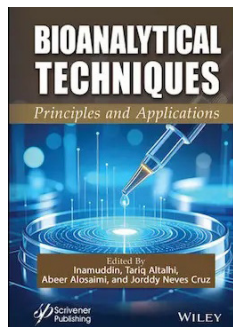


# New Books & Upcoming Events & Trusted Sources for Analytical Chemistry

## Notices of Books on Analytical Chemistry



### Bioanalytical Techniques: Principles and Applications

*Inamuddin, Tariq Altalhi, Abeer Alosaimi, and Jorddy Neves Cruz, Editors*

August 2025, Wiley

This is a comprehensive and authoritative book that explores the principles, methodologies, and applications of bioanalytical techniques in the field of life sciences. It covers a wide range of analytical techniques used for the characterization, quantification, and analysis of biological samples. It provides a solid foundation in the fundamental principles of spectroscopy, chromatography, electrophoresis, immunoassays, mass spectrometry, and biosensors. The book incorporates case studies, examples, and practical tips to illustrate how these techniques are used to solve biological problems. It also discusses emerging trends and technologies in bioanalytical techniques, such as microfluidics, nanotechnology, and omics approaches. [doi](#)

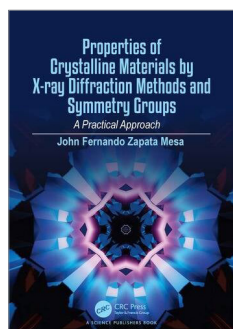


### Analytical and Chemometric Tools

*Alessandra Biancolillo, Editor*

May 2026, Elsevier

This book provides a one-stop tutorial in understanding the tools required for applying chemometrics to food and forensic chemistry. With a generous compilation of practical examples, the book covers a theoretical discussion of chemometric methods, summarizes up-to-date targeted and untargeted analytical methods in the field of forensic science, and presents real-life case studies applied to methods of chemometrics for food and forensic chemistry. This book is a valuable resource for chemists, forensic scientists, food scientists, students, and all those who wish to broaden their knowledge in the allied field. [Read more](#)

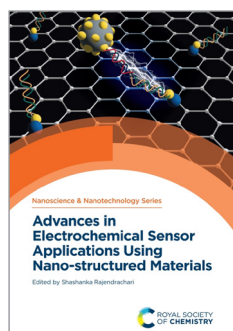


### Properties of Crystalline Materials by X-ray Diffraction Methods and Symmetry Groups

*John Fernando Zapata Mesa*

September 2025, CRC Press

This book is fundamental for those seeking to understand the structure and properties of crystalline materials from a rigorous and systematic approach. Its coverage, which ranges from the physical principles of X-rays to structural refinement using the Rietveld method, provides a solid theoretical and practical foundation. The inclusion of symmetry group analysis and the study of elasticity reinforce its value in areas such as electronics and engineering. With an educational and precise approach, this book becomes an indispensable reference for materials characterization. [Read more](#)



### Advances in Electrochemical Sensor Applications Using Nano-structured Materials

*Shashanka Rajendrachari, Editor*

Jun 2025, The Royal Society of Chemistry

Various nanomaterials can be used as possible electrocatalysts for the determination of huge amounts of bioactive compounds, surfactants, dyes, toxic chemicals, food additives, fertilizers, heavy metals, etc. The detection of such compounds in the human body, the environment, food or water is very important for our safety and well-being. There are many methods available to detect these compounds and determine their concentration, but electrochemical methods are proved to be: highly responsive, comparatively inexpensive, sensitive, simple. This state-of-the-art book focuses on recent electrochemical and nanomaterials research, taking the reader from

basic principles to recent advances, before discussing different techniques and tools for determining the presence of a variety of compounds. [doi](#)