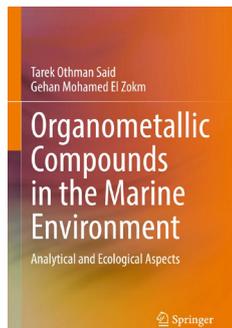


New Books & Upcoming Events & Trusted Sources for Analytical Chemistry

Notices of Books on Analytical Chemistry

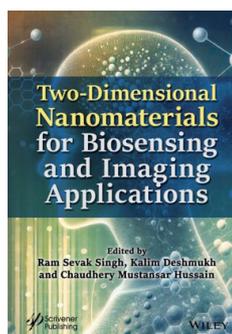


Organometallic Compounds in the Marine Environment

Tarek Othman Said and Gehan Mohamed El Zokm, Authors

August 2025, Springer Cham

This book outlines organometallic compounds (OMCs) in the marine environment, focusing on their analytical and ecological aspects. Divided into 6 chapters, the authors discuss OMCs' occurrence, chemical structure, and environmental impact of OMCs in aquatic systems. In this book, readers will also find critical insights into the sources and effects of OMCs on marine ecosystems, with detailed discussions on extraction methodologies, stability, and speciation analysis. The book highlights advanced analytical techniques such as gas chromatography and atomic absorption spectrometry, providing a thorough understanding of the latest approaches for evaluating OMC levels in marine environments. [doi](#)

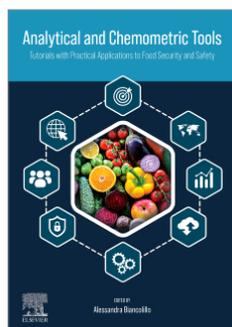


Two-Dimensional Nanomaterials for Biosensing and Imaging Applications

Ram Sevak Singh, Kalim Deshmukh, Chaudhery Mustansar Hussain, Editors

June 2025, Wiley

This book examines the current state and new challenges associated with the development of 2D nanomaterials for biosensing and imaging applications. This volume focuses on the synthesis, processing methods, characterization, properties, and applications of 2D nanomaterials, their nanocomposites or heterostructures for biosensors and imaging devices, and the essential criteria in each specified field. Comparative performance evaluations of various biosensor devices and their advantages and disadvantages for the commercialization of 2D materials-based biosensors are comprehensively covered. [doi](#)

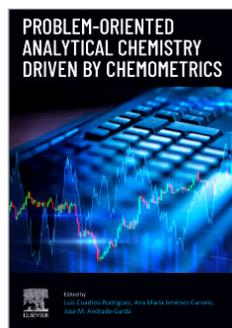


Analytical and Chemometric Tools: Tutorials with Practical Applications to Food Security and Safety

Alessandra Biancolillo, Editor

June 2026, Elsevier

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](#)



Problem-Oriented Analytical Chemistry Driven by Chemometrics

Luis Cuadros Rodríguez, Ana María Jimenez-Carvelo, Jose M Andrade-Garda, Eds.

January 2026, Elsevier Science

This book covers challenges that are relevant to many fields using analytical techniques, including food quality and safety, environmental studies, product authentication, and petrochemistry using an analytical data science approach. The book's novel approach starts from case studies, allowing analytical chemists to understand how seemingly impenetrable chemometrics techniques can be applied to solve problems. [Read more](#)