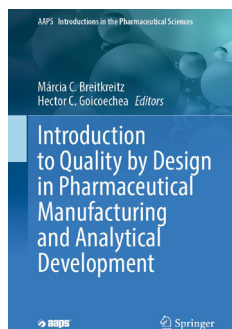


Notices of Books on Analytical Chemistry

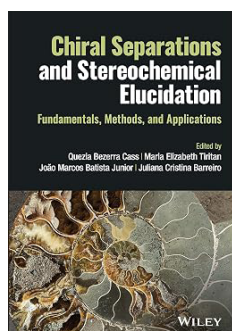


Introduction to Quality by Design in Pharmaceutical Manufacturing and Analytical Development

Márcia Cristina Breittkreitz, Hector Goicoechea (Eds.)

July 2024 Springer Cham

Written by twenty-five authors from academia, pharmaceutical industry and Pharmacopeias worldwide, this monograph covers the fundamentals and applications of Quality by Design (QbD) and Analytical Quality by Design (AQbD) in a practical and didactic manner. The book starts by describing the motivation and the urgent need for the implementation of the QbD framework in pharmaceutical development, along with the definition of its major elements. The concept of life cycle and regulatory perspectives are discussed. [doi](#)

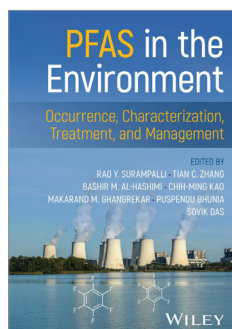


Chiral Separations and Stereochemical Elucidation: Fundamentals, Methods, and Application

Quezia B. Cass, Maria Elizabeth Tiritan, João Marcos Batista Junior, Juliana Cristina Barreiro (Eds.)

March 2023 John Wiley & Sons, Inc

An expert resource for chemists using stereochemical analysis methods. A team of distinguished researchers delivers a robust and authoritative discussion of the theoretical fundamentals of chiral separation, the most commonly used chiral selectors, and stereochemical elucidation methods. The book offers expert discussions of a variety of chiral separation methods by GC, SFC, CE, and LC. [doi](#)

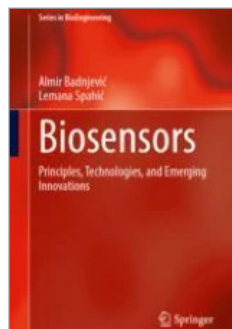


PFAS in the Environment: Occurrence, Characterization, Treatment, and Management

Surampalli, R. Y.; Zhang, T. C.; Al-Hashimi, B. M.; Kao, C.-M.; Ghangrekar, M. M.; Bhunia, P.; Das, S. (Eds.)

October 2025 John Wiley & Sons Ltd.

This book comprehensively summarizes the chemical and ecotoxicological properties of different types of per- and polyfluorinated alkanes (PFAS) as well as current and emerging detection methods, known and suspected health risks, and removal technologies from water and soil. It considers the recently enacted and much stricter regulations set by the US EPA and its European counterpart on the production and use of PFAS. A special focus is placed on how water treatment plants may be upgraded to reduce PFAS content in drinking water. [doi](#)



Biosensors: Principles, Technologies, and Emerging Innovations

Almir Badnjević, Lemana Spahić, Authors

February 2026 Springer Cham

This textbook provides a comprehensive introduction to biosensors, covering their fundamental principles, diverse applications, and the latest advancements in biosensing technologies. It explores various biosensor types, such as electrochemical biosensors for glucose monitoring and drug analysis, optical biosensors using fluorescence and surface plasmon resonance for medical diagnostics and food safety, and impedance biosensors for cellular analysis and cancer detection. Additional sections cover acoustic and piezoelectric biosensors, field-effect transistor-based biosensors, and cutting-edge nanotechnology-enhanced immunosensors. [doi](#)