Mass Spectrometry in Structural Biology and Biophysics: Architecture, Dynamics, and Interaction of Biomolecules, 2nd Edition
Igor A. Kaltashov, Stephen J. Eyles, Dominic M. Desiderio (Series Editor), Nico M. Nibbering (Series Editor)


DESCRIPTION

The definitive guide to mass spectrometry techniques in biology and biophysics

The use of mass spectrometry (MS) to study the architecture and dynamics of proteins is increasingly common within the biophysical community, and Mass Spectrometry in Structural Biology and Biophysics: Architecture, Dynamics, and Interaction of Biomolecules, Second Edition provides readers with detailed, systematic coverage of the current state of the art.

Offering an unrivalled overview of modern MS-based armamentarium that can be used to solve the most challenging problems in biophysics, structural biology, and biopharmaceuticals, the book is a practical guide to understanding the role of MS techniques in biophysical research. Designed to meet the needs of both academic and industrial researchers, it makes mass spectrometry accessible to professionals in a range of fields, including biopharmaceuticals.

This new edition has been significantly expanded and updated to include the most recent experimental methodologies and techniques, MS applications in biophysics and structural biology, methods for studying higher order structure and dynamics of proteins, an examination of other biopolymers and synthetic polymers, such as nucleic acids and oligosaccharides, and much more.
Featuring high-quality illustrations that illuminate the concepts described in the text, as well as extensive references that enable the reader to pursue further study, Mass Spectrometry in Structural Biology and Biophysics is an indispensable resource for researchers and graduate students working in biophysics, structural biology, protein chemistry, and related fields.

ABOUT THE AUTHOR

IGOR A. KALTASHOV, PHD, is a Professor in the Department of Chemistry at the University of Massachusetts Amherst.

STEPHEN J. EYLES, PHD, is a Senior Lecturer in the Department of Biochemistry and Molecular Biology, and the Director of the Mass Spectrometry Center at the University of Massachusetts Amherst.

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