



# Lipidomics: Comprehensive Mass Spectrometry of Lipids

By Xianlin Han

John Wiley & Sons Inc. Hardback. Book Condition: new. BRAND NEW, Lipidomics: Comprehensive Mass Spectrometry of Lipids, Xianlin Han, The book covers the fundamentals, experimental methods and applications of lipidomics, including, but not limited to, the introduction of lipids and mass spectrometry, the history of the field, a variety of experimental platforms developed over the last 10 years, characterization of a variety of lipid classes for identification of lipid species, optimal experimental conditions for accurate analysis of lipids, lipidomics data processing and interpretation, and applications of lipidomics approaches. Experimental examples in biochemical, biological, and biomedical research is also given. Topics include Glycerophospholipids; Sphingolipids; Glycerolipids and Glycolipids; Fatty Acids and Modified Fatty Acids; Other Bioactive Lipid Intermediates; Sample Preparation; Quantification Methods; Factors Affecting Accurate Quantification; Data Processing and Interpretation; Lipidomics for Health and Disease; Plant Lipidomics; Lipidomics on Yeast and Mycobacterium; Lipidomics on Cellular Membranes.



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