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Altri autori (Persone)	HillenkampF Peter-KatalinicJasna
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Soggetti	Matrix-assisted laser desorption-ionization
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Nota di contenuto	Cover; Related Titles; Title page; Copyright page; Contents; Preface to the Second Edition; List of Contributors; 1: The MALDI Process and Method; 1.1 Introduction; 1.2 Analyte Incorporation; 1.3 Absorption of the Laser Radiation; 1.4 The Ablation/Desorption Process; 1.5 Ionization; 1.6 Fragmentation of MALDI Ions; 1.7 MALDI of Noncovalent Complexes; 1.8 The Optimal Choice of Matrix: Sample Preparation; 1.8.1 Surface Preparation; 1.8.2 Anchor Sample Plates; 1.8.3 Matrix Additives and Influence of the Sample Plate Surface; Abbreviations; References; 2: MALDI Mass Spectrometry Instrumentation 2.1 Introduction2.2 Lasers for MALDI-MS; 2.3 Fragmentation of MALDI Ions; 2.3.1 MALDI at Elevated Pressure; 2.3.2 Tandem Mass Spectrometry of MALDI Ions; 2.4 Mass Analyzers; 2.4.1 Axial TOF Mass Spectrometers; 2.4.2 Reflectron TOF Mass Spectrometers; 2.4.3 Tandem TOF Mass Spectrometers; 2.4.4 Orthogonal TOF Mass Analyzers; 2.4.5 Tandem Mass Spectrometry in oTOF Mass Analyzers; 2.4.6 Ion Detectors and Data Processing in MALDI-TOF Analyzers; 2.5 Fourier Transform Ion Cyclotron Resonance Mass Spectrometers; 2.5.1 Tandem Mass Spectrometry on FTICR Mass Spectrometers 2.6 Quadrupole Ion Trap Mass Spectrometers2.6.1 RF-Only Ion Guides

and LIT Mass Spectrometers; 2.6.2 Tandem Mass Spectrometry on QIT Mass Spectrometers; 2.7 Hybrid Mass Spectrometers; 2.7.1 Quadrupole TOF Mass Spectrometers; 2.7.2 Quadrupole FT Mass Spectrometers; 2.7.3 QIT-TOF Mass Spectrometers; 2.7.4 Ion Mobility oTOF Mass Spectrometers; 2.7.5 Orbitrap; 2.8 Future Directions; Definitions and Acronyms; References; 3: MALDI-MS in Protein Chemistry and Proteomics; 3.1 Introduction; 3.2 Sample Preparation for Protein and Peptide Analysis by MALDI-MS; 3.3 Strategies for Using MALDI-MS in Protein Biochemistry; 3.3.1 Peptide Mass Mapping of Purified Proteins; 3.3.2 Peptide Sequencing by MALDI-MS/MS; 3.3.3 Analysis of Post-Translational Modifications; 3.4 Applications of MALDI-MS in Proteomics; 3.4.1 Protein Identification by MALDI-MS Peptide Mass Mapping; 3.4.2 Quantitation of Proteins by MALDI-MS; 3.5 Computational Tools for Protein Analysis by MALDI-MS; 3.6 Clinical Applications of MALDI-MS; 3.7 Conclusions; Acknowledgments; References; 4: MALDI-Mass Spectrometry Imaging; 4.1 Introduction; 4.2 History of Mass Spectrometry Imaging (MSI) and Microprobing Techniques; 4.3 MALDI in Micro Dimensions: Instruments and Mechanistic Differences; 4.4 Visualization of Mass Spectrometric Information; 4.5 Data Processing and Data Exchange; 4.6 Matrix Deposition for High-Resolution Imaging; 4.7 Organisms, Organs, and Tissues: MALDI Imaging at Various Lateral Resolutions; 4.7.1 Phospholipid Analysis; 4.7.2 Peptide Analysis; 4.7.3 Drug Monitoring; 4.8 Whole-Cell and Single-Cell Analysis; 4.8.1 Cellular Analysis; 4.8.2 Individually Isolated Cells; 4.8.3 Direct Cellular and Subcellular Imaging; 4.9 Cell Sorting and Capturing

Sommario/riassunto

This authoritative book on MALDI MS, now finally available in its second edition and edited by one of its inventors, gives an in-depth description of the many different applications, along with a detailed discussion of the technology itself. Thoroughly updated and expanded, with contributions from key players in the field, this unique book provides a comprehensive overview of MALDI MS along with its possibilities and limitations. The initial chapters deal with the technology and the instrumental setup, followed by chapters on the use of MALDI MS in protein research (including proteomi

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Titolo	Being a state and states of being in highland Georgia / / Florian Muhlfried
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Collana	EASA Series ; ; Volume 24
Disciplina	320.94758
Soggetti	Central-local government relations - Georgia (Republic) Citizenship - Georgia (Republic) - Tuseti Government, Resistance to - Georgia (Republic) - Tuseti Post-communism - Georgia (Republic) - Tuseti Georgia (Republic) Politics and government 1991-
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Nota di contenuto	Title page; Copyright; Dedication; Contents; Illustrations; Maps; Tables; Acknowledgements; Note on Transcription; Introduction; 1 A Mobile Field; 2 Hidden Treasures in the Mountains and a State that Comes and Goes; 3 Reborn Citizens in a Post-Soviet Landscape; 4 Three Ways to Be a State; 5 Triple Winning and Simple Losing; Conclusion; Appendix; Bibliography; Index
Sommario/riassunto	The highland region of the republic of Georgia, one of the former Soviet Socialist Republics, has long been legendary for its beauty. It is often assumed that the state has only made partial inroads into this region, and is mostly perceived as alien. Taking a fresh look at the Georgian highlands allows the author to consider perennial questions of citizenship, belonging, and mobility in a context that has otherwise been known only for its folkloric dimensions. Scrutinizing forms of identification with the state at its margins, as well as local encounters with the erratic Soviet and post-Sov