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Titolo	Plant proteomics [[electronic resource]] : technologies, strategies, and applications // edited by Ganesh Kumar Agrawal, Randeep Rakwal
Pubbl/distr/stampa	Hoboken, N.J., : J. Wiley, c2008
ISBN	1-281-83132-8 9786611831325 0-470-36963-9 0-470-36983-3
Descrizione fisica	1 online resource (818 p.)
Collana	Wiley-Interscience series in mass spectrometry
Altri autori (Persone)	AgrawalGanesh Kumar RakwalRandeep
Disciplina	572 572.62
Soggetti	Plant proteins Plant proteomics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PLANT PROTEOMICS; CONTENTS; PREFACE; CONTRIBUTORS; ACRONYMS AND ABBREVIATIONS; 1 AN INTRODUCTION TO PROTEOMICS: APPLICATIONS TO PLANT BIOLOGY; 1.1 Proteomics Defined; 1.2 Proteomics Applied; References; PART I TECHNOLOGIES; 2 GEL-BASED PROTEOMICS; 2.1 Introduction and Brief Bibliographic Review; 2.2 SDS-PAGE; 2.3 IEF; 2.4 2D Maps; 2.5 Conclusions; 2.6 Five-Year Viewpoint; References; 3 MASS SPECTROMETRY-BASED PROTEOMICS: IDENTIFYING PLANT PROTEINS; 3.1 Introduction and Brief Bibliographic Review; 3.2 Instrumentation; 3.3 MALDI; 3.4 ESI; 3.5 Mass Analyzers; 3.6 Ion Detectors 3.7 Sample Preparation 3.8 Protein Identification; 3.9 Conclusions; 3.10 Five-Year Viewpoint; References; 4 CHEMICAL PROTEOMICS; 4.1 Introduction; 4.2 Strategies For Activity-Based Protein Profiling (ABPP); 4.3 Case Study: Development of Molecular Tools Targeting Plant Kinases; 4.4 Conclusions; 4.5 Five-Year Viewpoint; References; 5 THE ARABIDOPSIS LOCALIZOME: SUBCELLULAR PROTEIN LOCALIZATION AND

INTERACTIONS IN ARABIDOPSIS; 5.1 Protein Compartmentalization in Plant Cells; 5.2 Experimental Determination of Protein Localization 5.3 In Vivo Imaging Approaches to Protein Localization and Interaction 5.4 Plant Cell Cultures for Studying Protein Localization; 5.5 Protein-Protein Interaction In Vivo: FRET; 5.6 Perspectives: Integrating Predictive and Experimental Protein Localization Data; References; 6 SECRETOME: TOWARD DECIPHERING THE SECRETORY PATHWAYS AND BEYOND; 6.1 Introduction and Brief Bibliographic Review; 6.2 Methodology and Strategy; 6.3 A Case Study: In Planta and In Vitro Protein Profiles of Soluble and Secreted Proteins in Rice; 6.4 Conclusions; 6.5 Five-Year Viewpoint; References; 7 PEPTIDOMICS 7.1 Introduction and Brief Bibliographic Review 7.2 Separation Technology; 7.3 MS Technology; 7.4 Bioinformatics and Data Mining; 7.5 Differential Peptide Display; 7.6 ID LC-MALDI; 7.7 2D CA-RP-LC-ESI-MS; 7.8 Applications; 7.9 Peptides and Proteases; 7.10 Conclusions; 7.11 Five-Year Viewpoint; References; PART II COMPUTATIONAL PROTEOMICS; 8 BIOINFORMATICS IN GEL-BASED PROTEOMICS; 8.1 Introduction and Brief Bibliographic Review; 8.2 Methodology and Strategy; 8.3 Experimental Results and Applications; 8.4 Conclusions; 8.5 Five-Year Viewpoint; References; 9 BIOINFORMATICS IN MS-BASED PROTEOMICS 9.1 Introduction 9.2 Database Searching; 9.3 Peptide De Novo Sequencing; 9.4 Conclusions and Five-Year Viewpoint; References; PART III EXPRESSION PROTEOMICS; 10 AN OVERVIEW OF THE ARABIDOPSIS PROTEOME; 10.1 Introduction and Brief Bibliographic Review; 10.2 Methodology and Strategy; 10.3 Experimental Results and Applications; 10.4 Conclusions; 10.5 Five-Year Viewpoint; References; 11 RICE PROTEOME AT A GLANCE; 11.1 Introduction and Brief Bibliographic Review; 11.2 Methodology and Strategy; 11.3 Experimental Results and Applications; 11.4 Conclusions; 11.5 Five-Year Viewpoint; References 12 PROTEOMICS OF LEGUME PLANTS

Sommario/riassunto

Confidently face the challenges of proteomics research specific to plant science with the information in Plant Proteomics, which will introduce you to the techniques and methodologies required for the study of representative plant species. Read about proteomics studies in Arabidopsis, rice, and legumes and find information about common technologies like mass spectrometry and gel electrophoresis. Discover expression proteomics, functional proteomics, structural proteomics, bioinformatics, and systems biology, understand how to conduct proteomics studies in developing countries and underf

2. Record Nr.	UNINA9910706147203321
Autore	Prabhakara Cuddapah
Titolo	TMI rain rate estimation over land and ocean utilizing convective and stratiform discrimination // C. Prabhakara [and three others]
Pubbl/distr/stampa	Greenbelt, Maryland : , : National Aeronautics and Space Administration, Goddard Space Flight Center, , September 1999
Descrizione fisica	1 online resource (ix, 27 pages) : illustrations
Collana	NASA/TM ; ; 1999-209479
Soggetti	Meteorological radar Microwave imagery TRMM satellite Rain Tropical meteorology Precipitation (meteorology) Meteorological parameters Tropical regions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 1999." "Performing organization: Climate and Radiation Branch, Laboratory for Atmospheres, Goddard Space Flight Center"--Report documentation page.
Nota di bibliografia	Includes bibliographical references (pages 23-24).

3. Record Nr.	UNINA9910956782003321
Titolo	Guide for the care and use of laboratory animals // Committee for the Update of the Guide for the Care and Use of Laboratory Animals, Institute for Laboratory Animal Research, Division on Earth and Life Studies
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 2011
ISBN	9786612975929 9780309186636 0309186633 9781282975927 1282975927 9780309154017 0309154014
Edizione	[8th ed.]
Descrizione fisica	1 online resource (247 p.)
Disciplina	636.0885
Soggetti	Laboratory animals Animal experimentation Laboratories - Standards Animals, Laboratory Animal Welfare Laboratories - standards Guideline United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Key concepts -- Animal care and use program -- Environment, housing, and management -- Veterinary care -- Physical plant -- Appendices -- A. Additional selected references -- B.U.S. government principles for the utilization and care of vertebrate animals used in testing, research, and training -- C. Statement of task -- D. About the authors.

Sommario/riassunto

"A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates."--
Publisher's description.
