1. Record Nr. UNINA9910480219503321

Autore	Palmer Tim <1948->
Titolo	Lifelines : the case for river conservation
Pubbl/distr/stampa	[Place of publication not identified], : Island Press, 1994
ISBN	1-61091-285-3
Descrizione fisica	1 online resource (286 pages)
Disciplina	333.91/6216
Soggetti	Stream conservation - United States Ecosystem management - United States Earth & Environmental Sciences Ecology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Intro -- About Island Press -- Title Page -- Copyright Page -- Contents -- Preface -- Chapter One Sustaining the Lifelines of a Continent -- Chapter Two The Embodiment of Rivers -- Chapter Three Breaking the Concrete Fix -- Chapter Four The Myth of Hydropower -- Chapter Five The Elusive Goal of Quality -- Chapter Six The Remains of Rivers -- Chapter Seven The Riparian Edge -- Chapter Eight The Heart of the Ecosystem -- Chapter Nine A Time for Rivers -- Sources -- Organizations Involved in River Protection -- Acknowledgments -- Index -- About the Author -- A selection of photographs follows page 116 -- Board of Directors.

2. Record Nr. UNINA9910145556503321

Titolo	Peptidomics [[electronic resource]] : methods and applications / / edited by Mikhail Soloviev, Chris Shaw, Per Andren
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2008
ISBN	1-281-22166-X 9786611221669 0-470-19650-5 0-470-19649-1
Descrizione fisica	1 online resource (432 p.)
Altri autori (Persone)	SolovievMikhail <1965-> ShawChris <1954-> AndrenPer
Disciplina	612/.015756
Soggetti	Peptides Proteomics
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	PEPTIDOMICS; CONTENTS; Preface; Contributors; PART I STUDIES OF NATURALLY OCCURRING PEPTIDES; 1 Analysis of the Peptidomes of Amphibian Skin Granular Gland Secretions-An Integrated Functional Genomic Strategy; 1.1 Introduction; 1.2 Historical Perspective; 1.3 Contemporary Methods of Sample Acquisition; 1.4 The Integrated Functional Genomic Strategy; 1.5 How then can All Three Approaches be Integrated?; 1.6 Limitations of Each Approach; 1.7 Closing Thoughts 2 A Short History of Insect (Neuro)Peptidomics-A Personal Story of the Birth and Youth of an Excellent Model For Studying Peptidome Biology2. 1 Introduction; 2.2 History; 2.3 Present (and Future): Novel Technologies, New Data. . .; 2.3.1 MALDI and (Nano)ESI TOFs and QTOFs; 2.3.2 Peptide Displays; 2.3.3 Ion Traps and FT-ICRs: Greater Variety of Instruments, Greater Variety of Sequences. . .; 2.3.4 Orbitrap; 2.3.5 FT-ICRs; 2.3.6 Combining Peptide Chemical Analysis with Histological Localization: Peptidome Mass Spectrometry Imaging; 2.4 Concluding Remarks 3 Peptidomics of Short Linear Cytolytic Peptides from Spider Venom3.1

Introduction; 3.2 Peptidomics: Identifying and Sequencing Novel AMPs; 3.3 Genomics: Unraveling the Biosynthetic Pathway; 3.4 Venomics: AMPs in the Spider Venom; 3.4.1 Structural Features; 3.4.2 Functional Features; 3.4.3 Venomic Significance; 4 Molecular Cloning Approaches to Peptidomics: The Identification of Novel cDNAs Encoding Neurotoxin-like Peptide Pools; 4.1 Introduction; 4.2 Spider Toxins-Combinatorial Peptide Libraries; 4.3 EST Cloning Approach to Cloning Peptide Families
4.4 PCR-Based Amplification and Cloning Approaches4.5 The Design and Use of Hybrid Primers for the Amplification of cDNAs Coding for Large Toxin-like Peptide Pools; 4.5.1 Multiple Alignment of the Existing Toxins and Toxin-like Sequences; 4.5.2 The Design of Hybrid Partially Degenerate Primers; 4.5.2.1 The Design of the 3 Region; 4.5.2.2 The Design of the 5 Region and the Middle Part of the Primers; 4.5.2.3 The Overall Length and Degeneracy; 4.5.2.4 Annealing Temperature Matching; 4.5.3 Optimization of the Amplification Conditions; 4.5.4 Other Experimental Details
4.5.5 High Throughout Amplification and Cloning4.5.6 Sequences Identification and Analysis; 4.6 Polypeptide Toxins-Novel Applications in Drug and Pesticide Development; 4.6.1 Analgesic Drugs; 4.6.2 Insecticides; 4.7 Concluding Remarks; 4.7.1 RACE-PCR Issues; 4.7.2 Sequence Quality Issues; 4.7.3 Conclusion; 5 Wheat Antimicrobial Peptides; 5.1 Introduction; 5.2 Materials and Methods; 5.2.1 Isolation of AMPs; 5.2.2 Reduction and Alkylation of Peptides [35]; 5.2.3 MALDI-TOF MS; 5.2.4 High-Resolution Two-Dimensional Gel Electrophoresis; 5.3 Isolation of AMPs from T. kiharae Seeds
5.4 Sequence Determination of AMPs from T. kiharae Seeds

Sommario/riassunto

The definitive guide to peptidomics- a hands-on lab referenceThe first truly comprehensive book about peptidomics for protein and peptide analysis, this reference provides a detailed description of the hows and whys of peptidomics and how the techniques have evolved. With chapters contributed by leading experts, it covers naturally occurring peptides, peptidomics methods and new developments, and the peptidomics approach to biomarker discovery. Explaining both the principles and the applications, Peptidomics: Methods and Applications: *Features examples of applications in di