

1. Record Nr.	UNINA9910453592903321
Titolo	Plant genome [[electronic resource]] : biodiversity and evolution . Volume 2, Part B Lower groups // editors, A.K. Sharma and A. Sharma
Pubbl/distr/stampa	Enfield, NH, : Science Publishers, c2006
ISBN	1-281-82770-3 9786611827700 1-57808-603-5
Descrizione fisica	1 online resource (542 p.)
Altri autori (Persone)	SharmaArchana <1932-2008.> SharmaArun Kumar <1923->
Disciplina	581.3
Soggetti	Plant diversity Plant genomes Plants - Evolution 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	""Preface to the Series ""Plant Genome""""; ""Preface to this Edition""; ""Contents""; ""List of Contributors""; ""1. From Ancient to Modern RNA World: A Metabolic Story""; ""ABSTRACT""; ""INTRODUCTION""; ""NON- CODING RNAS""; ""The Small Nuclear RNAs (snRNAs)""; ""The Small Nucleolar RNAs (snoRNAs)""; ""The Transfer Messenger RNAs (tmRNAs)""; ""The RNA Signal Recognition Particle (RNA-SRP)""; ""Vault RNA""; ""The Small Interfering RNAs (siRNA)""; ""The Micro RNAs (miRNAs)""; ""The Small Temporal RNAs (stRNA)""; ""The X Inactive- Specific Transcript RNAs (Xist RNA)"" ""MAJOR NATURALLY OCCURRING RIBOZYMES""""The Ribonuclease P (RNase P)""; ""The Class I Introns""; ""The Class II Introns""; ""THE SMALL SELF-CLEAVING RNAs FAMILY""; ""The Hairpin Ribozyme""; ""Structure""; ""Catalytic mechanism""; ""Varkud Satellite Ribozyme""; ""Structure""; ""Catalytic Mechanism""; ""The Hepatitis Delta Virus Ribozyme""; ""Structure""; ""Catalytic mechanism""; ""The Hammerhead Ribozyme""; ""Structure""; ""Catalytic mechanism""; ""CONCLUSION""; ""ACKNOWLEDGMENTS""; ""References""; ""2. Plastid Origin: A Driving

Force for the Evolution of Algae"; "ABSTRACT"

"INTRODUCTION"; "ASSESSING THE ALGAL AND PROTISTS EVOLUTION"; "PRIMARY ENDOSYMBIOSIS: THE BIRTH OF PLASTIDS"; "SECONDARY ENDOSYMBIOSIS: SPREADING THE PLASTIDS"; "The Green Secondary Plastids"; "The 'Red' Secondary Plastids"; "The 'chromalveolate' hypothesis"; "PLASTID REPLACEMENTS IN DINOFLAGELLATES"; "CONCLUSION"; "ACKNOWLEDGMENTS"; "References"; "3. Evolution and Diversity of Dinoflagellates: Molecular Perspectives"; "ABSTRACT"; "INTRODUCTION"; "EARLY EVOLUTION OF DINOFLAGELLATES"

"THE DINOFLAGELLATE 'MESOKARYOTIC' NATURE, HISTONE-LIKE PROTEINS AND EVOLUTION OF THE LIQUID CRYSTAL GENOME"; "MOLECULAR PHYLOGENY OF THE DINOFLAGELLATES"; "Overview"; "Description of the Major Orders of Dinoflagellates"; "MULTI-SPECIES COMPLEX"; "INTRA-SPECIFIC VARIATION"; "PLASTID GENOMES OF DINOFLAGELLATES"; "CONCLUSION"; "ACKNOWLEDGMENTS"; "References"; "4. Evolution of the Diatoms"; "ABSTRACT"; "INTRODUCTION"; "MORPHOLOGY OF THE SILICA FRUSTULE"; "TAXONOMY BASED ON CHARACTERISTICS OF THE SILICA FRUSTULE"; "PHYLOGENIES BASED ON CHARACTERISTICS OF THE SILICA FRUSTULE"; "A PHYLOGENY INFERRED FROM NUCLEAR SSU rDNA SEQUENCES"; "Basal centrics"; "The Radial Centrics (Fig. 36a)"; "The Multipolar Centrics (Fig. 36a)"; "The araphid pennates (Fig. 36b)"; "The Raphid Pennates (Fig. 36c)"; "PHYLOGENETIC SIGNAL IN THE LIFE CYCLE AND AUXOSPORE ONTOGENY"; "Gamete Formation"; "Auxospore development"; "PHYLOGENETIC SIGNAL IN CYTOPLASMIC ULTRASTRUCTURAL FEATURES"; "PALAEONTOLOGY AND PHYLOGENY"; "NEW DIRECTIONS IN DIATOM PHYLOGENY"; "ACKNOWLEDGEMENTS"; "References"; "5. Ascomycota: Introduction to Biodiversity, Evolutionary Genomics and Systematics"
