

1. Record Nr.	UNINA9910778626503321
Titolo	Variation and evolution in plants and microorganisms [[electronic resource]] : toward a new synthesis 50 years after Stebbins // Francisco J. Ayala, Walter M. Fitch, and Michael T. Clegg, editors
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2000
ISBN	0-309-17226-8 0-309-50188-1
Descrizione fisica	1 online resource (353 p.)
Altri autori (Persone)	AyalaFrancisco J <1934-2023.> (Francisco Jose) FitchWalter M. <1929-2011.> CleggMichael T. <1941->
Disciplina	581.3/8
Soggetti	Plants - Evolution Plants - Variation
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	""Cover""; ""Front Matter""; ""Preface""; ""Contents""; ""Part I EARLY EVOLUTION AND THE ORIGIN OF CELLS""; ""1 G. Ledyard Stebbins (1906a€?2000) a€? An Appreciation""; ""2 Solution to Darwin's Dilemma: Discovery of the Missing Precambrian Record of Life""; ""3 The Chimeric Eukaryote: Origin of the Nucleus from the Karyomastigont in Amitochondriate Protists""; ""4 Dynamic Evolution of Plant Mitochondrial Genomes: Mobile Genes and Introns and Highly Variable Mutation Rates""; ""Part II VIRAL AND BACTERIAL MODELS""; ""5 The Evolution of RNA Viruses: A Population Genetics View"" ""6 Effects of Passage History and Sampling Bias on Phylogenetic Reconstruction of Human Influenza A Evolution"" ""7 Bacteria are Different: Observations, Interpretations, Speculations, and Opinions About the Mechanisms of Adaptive Evolution in Prokaryotes""; ""Part III PROTOCTIST MODELS""; ""8 Evolution of RNA Editing in Trypanosome Mitochondria""; ""9 Population Structure and Recent Evolution of Plasmodium falciparum""; ""Part IV POPULATION VARIATION""; ""10 Transposons and Genome Evolution in Plants""; ""11 Maize as a Model for the Evolution of Plant Nuclear Genomes""

""12 Flower Color Variation: A Model for the Experimental Study of Evolution""""13 Gene Genealogies and Population Variation in Plants""; ""Part V TRENDS AND PATTERNS IN PLANT EVOLUTION""; ""14 Toward a New Synthesis: Major Evolutionary Trends in the Angiosperm Fossil Record""; ""15 Reproductive Systems and Evolution in Vascular Plants""; ""16 Hybridization as a Stimulus for the Evolution of Invasiveness in Plants?""; ""17 The Role of Genetic and Genomic Attributes in the Success of Polyploids""; ""Index""
