

1. Record Nr.	UNINA9910782225203321
Titolo	Plant genome [[electronic resource] ] : biodiversity and evolution . Volume 1, Part D Phanerogams (Gymnosperm) and (Angiosperm-Monocotyledons) // editors, A.K. Sharma and A. Sharma
Pubbl/distr/stampa	Enfield, NH, : Science Publishers, c2006
ISBN	1-281-82763-0 9786611827632 1-57808-596-9
Descrizione fisica	1 online resource (365 p.)
Altri autori (Persone)	SharmaArchana <1932-2008.> SharmaArun Kumar <1923->
Soggetti	Plant diversity Plant genomes Plants - Evolution
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 Volume""; ""Contents""; ""List of Contributors""; ""Chapter 1: Evolution and Phylogeny of Cycads""; ""Abstract""; ""Introduction""; ""Secondary Metabolites in Cycads""; ""Molecular Phylogeny of Cycads""; ""Phylogenetic Position of Cycadophyta""; ""Phylogenetic Structure within the Cycadophyta""; ""Phylogenetic Relationships within the Genus Encephalartos""; ""Molecular Clock: Age Estimate of Cycad Speciation""; ""Acknowledgement""; ""References"" ""Chapter 2: Molecular Variability and Diversity of Mediterranean Pines: Pinus halepensis Mill. and Pinus brutia Ten.""""Abstract ""; ""Introduction""; ""Genome Organization of Conifer""; ""Molecular polymorphism""; ""Differences in P.Halepensis and P.Brutia as Examples in the Evolutionary History of Mediterranean Pines""; ""Genetic Alterations as Adaptation to Environmental Changes""; ""Environmental effects on Adaptive Genetic Variation in Pinus Halepensis""; ""DIversity Between Circum-Mediterranean""; ""Conclusion""; ""Acknowledgement""; ""References""

""Chapter 3: Survey of Genetic Diversity and Phylogenic Relationships in Tunisian Date-palms (*Phoenix dactylifera* L. by Molecular Methods""  
Abstract""; ""Introduction""; ""Materials and Methods""; ""Plant Material""; ""DNA Preparation""; ""Primers and RAPD Assays""; ""Primers and ISSR Assays""; ""SSR Genotyping""; ""Data Analysis""; ""Establishment of the Cultivars' Identification Key""; ""Results""; ""Cultivars' Identification Key""; ""Genetic Diversity Analysis as Inferred by RAPDs""; ""Phylogenic Relationships as Revealed by RAPD Data""; ""Genetic Diversity as Inferred by ISSRs""  
""Phylogenic Relationships as Revealed by ISSR Data""""Genetic Diversity and Phylogenic Relationships as Inferred by Combined RAPD and ISSR Data""; ""Genetic diversity as Inferred by SSR Data""; ""Phylogenic Relationships as Revealed by Microsatellite Markers""; ""Conclusion""; ""Acknowledgement""; ""References""; ""Chapter 4: Oil Palm""; ""Abstract""; ""Introduction""; ""Botanical Classification and Phylogeny""; ""Palms""; ""The Elaeidinae""; ""*Elaeis guineensis*€?the African oil palm""; ""Geographical Distribution""; ""Biology of Oil Palm""; ""Inflorescence, flower and fruit structure""  
""Oil Palm Products""""Palm oil based oleochemicals, diesel and biodegradable plastics""; ""Other products from oil palm""; ""Oil Palm Crop Improvement""; ""Advances in the crop improvement of oil palm""; ""Molecular Markers in Oil Palm Breeding""; ""Fingerprinting and linkage studies""; ""Potential applications of markersa€?simple traits""; ""Potential applications of markersa€?complex traits""; ""Potential applications of markersa€?disease resistance""; ""Genome Organization""; ""BAC (Bacterial Artificial Chromosome) libraries""; ""Uses fo Conserved Synteny""  
""Vegetative Propagation of Oil Palm""

---