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Nota di contenuto	""Preface to the Series ""Plant Genome""""; ""Preface to this Volume""; ""Contents""; ""List of Contributors""; ""1. Repetitive DNA and Plant Evolution""; ""ABSTRACT ""; ""INTRODUCTION""; ""Linum usitatissimum""; ""Vicia faba""; ""Helianthus annuus""; ""Festuca arundinacea""; ""Dasypyrum villosum""; ""OTHER PLANT SPECIES""; ""CONCLUSION""; ""References ""; ""2. Evolution and Phylogenetic Relationship of the Rice Genome""; ""ABSTRACT ""; ""INTRODUCTION""; ""FEATURES OF THE RICE GENOME""; ""Centromeres and Telomeres""; ""Organelle Genome Insertions""; ""Gene Density""; ""Duplications"" ""Comparison of Rice Genomes""""THE IMPACT OF DUPLICATION ON EVOLUTION OF THE RICE GENOME""; ""ROLE OF TRANSPOSABLE ELEMENTS IN THE PROCESS OF EVOLUTION""; ""EVOLUTION OF GENE FAMILIES""; ""COMPARISON OF RICE WITH CEREAL GENOMES""; ""COMPARISON OF MODEL PLANT GENOMES - RICE VERSUS ARABIDOPSIS""; ""CONCLUSION""; ""Acknowledgments""; ""References ""; ""3. Genome Organization and Evolution in Genus Quercus (Fagaceae): Special Attention to Two European White Oaks Quercus petraea (Matt.)

Liebl. and Q. robur L.""; ""ABSTRACT ""; ""INTRODUCTION""
""SYSTEMATICS, PHYLOGENY AND HISTORY OF THE GENUS QUERCUS""""
ECOLOGY OF OAKS""; ""INTERSPECIFIC HYBRIDIZATION I N OAKS: AN
EXAMPLE OF EUROPEAN WHITE OAKS Q. PETRAEA AND Q. ROBUR"";
""KARYOTYPE EVOLUTION IN FAMILY FAGACEAE (AND IN GENUS
QUERCUS IN PARTICULAR):CHROMOSOME NUMBER, KARYOTYPIC
FEATURES AND GENOME SIZE""; ""MOLECULAR ORGANIZATION OF THE
OAK GENOMES""; ""GENOME/KARYOTYPE EVOLUTION AND SPECIATION
IN QUERCUS ""; ""CONCLUSION""; ""Acknowledgment""; ""References "";
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""PHYLOGEOGRAPHY OF AMERICAN CASTANEA SPECIES""
""References """"5. Cytogenetic and Molecular Evidences on the
Evolutionary Relationships Among Arachis Species""; ""ABSTRACT "";
""INTRODUCTION""; ""SPECIES RELATIONSHIPS WITHIN ARACHIS
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Origin""; ""Wild Progenitors""; ""Is A. monticola the Wild Tetraploid
Ancestor of A. hypogaea?""; ""ORIGIN OF X=9 BASIC CHROMOSOME
NUMBER""; ""ORIGIN OF POLYPLOIDS IN RHIZOMATOSAE SECTION"";
""ORIGIN OF THE TRIPLOID CYTOTYPE OF A. PINTO1 (SECTION
CAULORRHIZAE)""; ""CONCLUSION""; ""Acknowledgment""; ""References
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""6. Biodiversity, Genetic Enhancement and Molecular Approaches in
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EVOLUTION IN LENTIL""; ""VARIABILITY IN KEY TRAITS""; ""MAJOR
ACCOMPLISHMENTS IN GENETIC ENHANCEMENT""; ""a. Resistance to
Biotic Factors""; ""b. Improving Tolerance to Abiotic Stresses""; ""c.
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Base of Lentil in South Asia has been Widened""; ""e. Varietal
Development""; ""f. Development of Iron and Zinc-rich Lentil Varieties"";
""GENOME EVOLUTION IN LENTILS""
""MOLECULAR APPROACHES USED FOR LENTIL ""
