1. Record Nr. UNINA9910627289803321

Titolo	Biology and breeding of food legumes / / edited by Aditya Pratap and Jitendra Kumar
Pubbl/distr/stampa	Wallingford, U.K. ; ; Cambridge, Mass., : CABI, 2011
ISBN	1-283-30583-6 9786613305831 1-84593-781-3
Descrizione fisica	1 online resource (432 p.)
Altri autori (Persone)	PratapAditya <1976-> KumarJitendra <1973->
Disciplina	583/.74
Soggetti	Legumes - Breeding Food crops - Breeding Legumes as food
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	Contents; Contributors; Foreword; Preface; 1 History, Origin and Evolution; 2 Domestication; 3 Biology of Food Legumes; 4 Breeding for Improvement of Cool Season Food Legumes; 5 Breeding for Improvement of Warm Season Food Legumes; 6 Distant Hybridization and Alien Gene Introgression; 7 Polyploidy; 8 Cytology and Molecular Cytogenetics; 9 Molecular Cytogenetics in Physical Mapping of Genomes and Alien Introgressions; 10 Micropropagation; 11 Androgenesis and Doubled-Haploid Production in Food Legumes; 12 Genetic Transformation; 13 Male Sterility and Hybrid Production Technology; 14 Mutagenesis 15 Breeding for Biotic Stresses16 Breeding for Abiotic Stresses; 17 Legume Improvement in Acidic and Less Fertile Soils; 18 Molecular Breeding Approach in Managing Abiotic Stresses; 19 Trait Mapping and Molecular Breeding; 20 Improving Protein Content and Nutrition Quality; 21 Underutilized Food Legumes: Potential for Multipurpose Uses; 22 Legumes as a Model Plant Family; 23 Plant Genetic Resources and Conservation of Biodiversity; 24 Seed Dormancy and Viability; 25 Postharvest Technology; 26 Value Addition and International Trade;

	Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R ST; U; V; W; X; Y; Z
Sommario/riassunto	Food legumes are important constituents of the human diet and animal feed where they are crucial to a balanced diet, supplying high quality proteins. These crops also play an important role in low-input agricultural production systems by fixing atmospheric nitrogen. Despite systematic and continuous breeding efforts through conventional methods, substantial genetic gains have not been achieved. With the rise in demand for food legumes/pulses and increased market value of these crops, research has focused on increasing production and improving the quality of pulses for both edible and industria