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Genome Organization and Physical Mapping in Lathyrus Sativus L."

"7. Accelerating Generation Cycles by the Induction of In Vitro Flowering and Fruiting""8. Concluding Remarks""References""4. Towards Genetic Improvement of Bambara Groundnut [Vigna subterranea (L.) Verdc.]""1. Introduction""2. Implementation of the Breeding Strategy""3. Conserving Landraces for Food Security and Breeding""4. Concluding Remarks""References""5. Faster Breeding of Bambara Groundnut: Mutational cum-in vitro Approaches""1. Introduction""2. Materials and Methods""3. Results and Discussions""4. Conclusions""References""6. Geographical Distribution of the Andean Lupin (Lupinus mutabilis)""1. Introduction""2. Distribution""3. Adaptation""4. Breeding""5. Incidence of Pests and Diseases""6. Photoperiodic Response""7. Uses""8. Conclusion""References""7. QuinoaA?s World Potential""1. Introduction""2. Quinoa Outside South America""3. Quinoa for Feed""4. Photoperiodic Response of Quinoa""5. Mechanical Cultivation""6. The Economy in Producing Quinoa""7. Future Potential""References""8. Characterization of Chenopodium Germplasm, Selection of Putative Mutants and its Cytogenetic Study""1. Introduction""2. Morphological and Yield Characterization of Chenopodium Germplasm""3. Estimation of Saponin Content""4. Cytological Studies""5. Conclusions""References""9. Improvement and Rehabilitation of Traditional and Neglected Food Crops through Mutation Techniques: Development and Evaluation of Mutant Germplasm of Amaranthus tricolor""1. Introduction""2. Methodologies Applied""3. Screening for Early Drought Tolerance in M2, M3, M4, M5""4. Physiological Screening"

Sommario/riassunto

This book includes 20 different chapters, where the authors have addressed various aspects of the cultivation, taxonomy, socio-economic importance and breeding and development as applied to neglected and underutilized crops. The first chapter deals with the more general aspects of the cultivation and propagation of these crops, thirteen chapters concentrate on specific neglected crops, nine of which focus on seed propagated crops and the remaining four on vegetative propagated ones, while the last five chapters describe the uses, importance, propagation and improvement of neglected and under-utilized crops from different regions of the world.