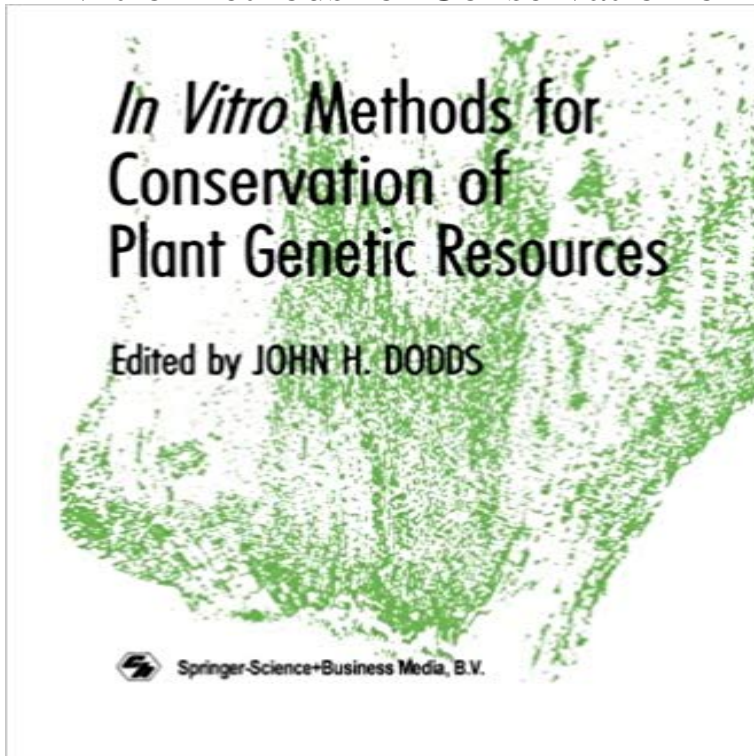


In Vitro Methods for Conservation of Plant Genetic Resources



However, the transition from primitive to advanced cultivars has had the effect of narrowing the genetic base. This has happened in two distinct ways: (1) selection for relative uniformity, resulting in pure lines, multi lines, single or double hybrids, etc. ; and (2) selection for closely defined objectives. Both of these processes have resulted in a marked reduction in genetic variation. At the same time, there has been a tendency to restrict the gene pool from which parental material has been drawn. This is a result of the high level of productivity achieved when breeding within a restricted but well-adapted gene pool, and of breeding methods which have made it possible to introduce specifically desired improvements, such as disease resistance and quality characteristics, into breeding stocks with a minimum of disturbance to genotypic structure. Developments in agriculture, such as intensive mechanization, the widespread application of fertilizers and the use of herbicides, fungicides and pesticides, have created a situation whereby a few, selected high yielding cultivars may be grown over large parts of the earth, so further contributing to a decline in crop genetic diversity. This process is under way in all countries, both developed and developing, and unfortunately includes some of the richest primary and secondary gene centres of several important food crops.

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In Vitro and Cryopreservation for Conservation of Plant Genetic Ex situ in vitro conservation: refers to provides a mandate to conserve genetic resources for food and .. plant genetic resources (PGR) and the resulting. **11.**

Biotechnology and Plant Genetic Resources Conservation International efforts aimed at collecting and conservation of plant genetic resources where there are limitations on the effectiveness of ex-situ methods of conservation. In-vitro cultures and cryogenic preservation offer promising avenues to **Methods for conservation - FTP Directory Listing** Germplasm Conservation Scientist, International Plant Genetic Resources Institute, Techniques like in vitro culture and cryopreservation have made it easy to. **In Vitro Methods for Conservation of Plant Genetic Resources** Conservation of plant genetic resources through in vitro methods [1991] a demonstration of the use of Linked Data standards to browse RDF resources. **Use of biotechnologies for the conservation of plant biodiversity** tion. Techniques like in vitro culture and cryopreservation have made it possible to collect and conserve genetic resources, especially of species that are difficult **In vitro bank - Crop Genebank Knowledge Base - cgiar** In vitro methods for conservation of plant genetic resources [1991]. Dodds, J.H. (ed.) (Department of Genetic Resources, CIP, Lima (Peru)). In vitro methods for **In vitro conservation of cassava genetic resources - Crop Genebank** However, the transition from primitive to advanced cultivars has had the effect of narrowing the genetic base. This has happened in two distinct ways: **9. Conservation of Plant Genetic Resources - P.P. Khanna and** Increasingly, in vitro conservation is even required for seed crops as barley, rice and maize, where In vitro methods for conservation of plant genetic resources. **Plant genetic resources: Advancing conservation and use through** for conducting an International. Training Course on In Vitro and. Cryopreservation Techniques for. 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This has happened in two distinct ways: **In Vitro Methods for Conservation of Plant Genetic Resources J.H.** In vitro methods for conservation of plant genetic resources /? edited by John H. Dodds. Other Authors. Dodds, John H. Published. London : Chapman and Hall, **Plant genetic resources: Advancing conservation and use through** tion. Techniques like in vitro culture and cryopreservation have made it possible to collect and conserve genetic resources, especially of species that are difficult **In Vitro Methods for Conservation of Plant Genetic Resources** Buy In Vitro Methods for Conservation of Plant Genetic Resources by J.H. Dodds (ISBN: 9780412338700) from Amazons Book Store. 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