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| Nota di contenuto       | Introduction: Specificity and universality of Forestal Mediterranean ecosystems / Thierry Gauquelin -- Topic 1: Mycorrhizal symbiosis and performance of the eco- and agro systems -- Natural Diversity of Ectomycorrhizal Fungi in Moroccan Forest Woodlands / Yakhlef Salah Eddine and Duponnois Robin -- Ectotrophic mycorrhizal symbioses are dominant in natural ultramafic forest ecosystems of New Caledonia / Prin, Y., Ducouso, M., Tassin, J., Bena, G., Jourand, P., Dumontet, V., Moulin, L., Contesto, C., Ambrosi, J.P., Chaintreuil, C., Dreyfus, B. and Lebrun, M. -- Mycorrhizal Status and arbuscular mycorrhizal fungal diversity of endangered plant species in the Sierra Nevada national park / Concepcion Azcon-Aguilar, Javier Palenzuela, Nuria Ferrol, Fritz Oehl and Jose Miguel Barea -- Ectomycorrhizal fungal communities in Quercus suber ecosystems / Lancellotti, E. and Franceschini, A. -- Reclamation strategies of semiarid mediterranean soil : improvement of the efficiency of arbuscular mycorrhizal fungi by inoculation of plant growth promoting microorganisms and organic amendment / |

Almudena Medina and Rosario Azcon -- Use of mycorrhiza in soil-less grown vegetables / Ozlem Ikiz, H.Y. Dasgan and H. Okkaoglu -- Implications of Mycorrhizal Symbioses in the Trajectory of Plant Invasion Process : How Do They Matter? / Sanon, A., Ndoeye, F., Ramanankierana, H. and Duponnois, R. -- Changes in ectomycorrhizal community structure of *Coccoloba uvifera* L mature trees and regenerating seedlings at two levels of salinity / Avril Raymond, Abdala G. Diedhiou, Clemence Chaintreuil, Sandrine Bessard, Seynabou Sene, Abdennebi Omrane, Regis Courtecuisse, Samba Sylla, Robin Duponnois, Amadou M. Ba -- Topic 2 : Biotechnology and controlled mycorrhization -- Mycorrhizal industry in modern agriculture / Gianinazzi, S. and Masquelier, S.

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## Sommario/riassunto

The role of mycorrhizal symbiosis has been usually related to its impact on the plant mineral nutrition and consequently on the development of the plant species. However, it has been demonstrated that this symbiotic process has a key role in ecosystem stability. Numerous recent studies have outlined the major role of mycorrhizal symbioses in ecosystem functioning and the necessity to manage this soil microbial component in order ensure the productivity of plant ecosystems and to maintain plant diversity. The main objectives of this book are to present recent results showing the expected benefits in managing the mycorrhizal symbiosis in order to ensure the conservation of endemic plant diversity and to rehabilitate degraded soils in Mediterranean areas.

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