Contents

1 Mycorrhiza Specificity: Its Role in the Development and Function of Common Mycelial Networks ..................... 1
Randy Molina and Thomas R. Horton

2 Functional Significance of Anastomosis in Arbuscular Mycorrhizal Networks .................................. 41
Manuela Giovannetti, Luciano Avio and Cristiana Sbrana

3 The Importance of Ectomycorrhizal Networks for Nutrient Retention and Carbon Sequestration in Forest Ecosystems ........ 69
Håkan Wallander and Alf Ekblad

4 Nutrient Dynamics in Arbuscular Mycorrhizal Networks .......... 91
Iver Jakobsen and Edith C. Hammer

5 Resource Transfer Between Plants Through Ectomycorrhizal Fungal Networks ............................................. 133
Suzanne Simard, Amanda Asay, Kevin Beiler, Marcus Bingham, Julie Deslippe, Xinhua He, Leanne Philip, Yuanyuan Song and François Teste

6 The Role of Ectomycorrhizal Networks in Seedling Establishment and Primary Succession .................................. 177
Kazuhide Nara

7 Facilitation and Antagonism in Mycorrhizal Networks ............... 203
Cameron Wagg, Rita Veiga and Marcel G.A. van der Heijden

8 Interspecific Mycorrhizal Networks and Non-networking Hosts: Exploring the Ecology of the Host Genus Alnus ............. 227
Peter G. Kennedy, Jennifer K.M. Walker and Laura M. Bogar
9 Experimentally Testing Effects of Mycorrhizal Networks on Plant-Plant Interactions and Distinguishing Among Mechanisms ................................................. 255
   Jason D. Hoeksema

Subject Index ............................................................... 279

Taxonomic Index .......................................................... 283
Mycorrhizal Networks
Horton, Th.R. (Ed.)
2015, XVIII, 286 p. 41 illus., 16 illus. in color., Hardcover
ISBN: 978-94-017-7394-2