

# Contents

## SYMBIOSES AND SYMBIOTIC INTERACTIONS

Preface	iv
<b>Research Papers</b>	
<i>Rikkinen J, Poinar GO</i> . A new species of <i>Phyllopsora</i> (Lecanorales, lichen-forming Ascomycota) from Dominican amber, with remarks on the fossil history of lichens	1007
<i>Rikkinen J, Virtanen V</i> . Genetic diversity in cyanobacterial symbionts of thalloid bryophytes	1013
<i>Ekman M, Tollbäck P, Bergman B</i> . Proteomic analysis of the cyanobacterium of the <i>Azolla</i> symbiosis: identity, adaptation, and NifH modification	1023
<b>Review Papers</b>	
<i>Howe CJ, Nisbet RER, Barbrook AC</i> . The remarkable chloroplast genome of dinoflagellates	1035
<i>Adams DG, Duggan PS</i> . Cyanobacteria–bryophyte symbioses	1047
<i>Johnston AWB, Todd JD, Sun L, Nikolaidou-Katsaridou MN, Curson ARJ, Rogers R</i> . Molecular diversity of bacterial production of the climate-changing gas, dimethyl sulphide, a molecule that impinges on local and global symbioses	1059
<i>Venn AA, Loram JE, Douglas AE</i> . Photosynthetic symbioses in animals	1069
<i>Sprent JI</i> . 60Ma of legume nodulation. What’s new? What’s changing?	1081
<i>Waterman RJ, Bidartondo MI</i> . Deception above, deception below: linking pollination and mycorrhizal biology of orchids	1085
<i>Nehls U</i> . Mastering ectomycorrhizal symbiosis: the impact of carbohydrates	1097
<i>Rodriguez R, Redman R</i> . More than 400 million years of evolution and some plants still can’t make it on their own: plant stress tolerance via fungal symbiosis	1109
<i>Finlay RD</i> . Ecological aspects of mycorrhizal symbiosis: with special emphasis on the functional diversity of interactions involving the extraradical mycelium	1115