

Cambridge University Press

978-0-521-04818-7 - Fungal Conservation: Issues and Solutions

Edited by David Moore, Marijke M. Nauta, Shelley E. Evans and Maurice Rotheroe

Index

[More information](#)

Index

- Abies 19
abundance 37, 105
Acanthophysium 36
acid rain 226
action plans 201, 245
Aecidium 205
Agaricus 157, 158
Agenda 21 210
agriculture 182
airborne fungi 188
Albatrellus 36
Aleurodiscus 86
allergen 188
Alnus 19
Alpova 36, 97, 100
Amanita 157–160
amenities 21
Amylocorticium 86
anamorph 199, 205
ancient woodland 148
ant-nest symbionts 200
Aphyllophorales 177–181
Arbutus 19
Arcangeliella 36, 97, 100
Arctostaphylos 19
Armillaria 214, 215
artificial logs 117
Asterodon 86
Asterophora 36
Astraeus 159
Aureoboletus 159
- Baeospora* 36
Balsamia 36, 97, 98
Bankera 148, 149
Barssia 97–99, 102
basidiospore dispersal 117
Battarrea 214, 227
BIG (Biodiversity Information Group) 210
- biodeterioration 188, 191
Biodiversity Action Plan 209–218
bioindicators 14
biological records 166, 167
biotechnology 191
biotrophic 201, 203, 204
birds of prey 24
BMS (British Mycological Society) 121, 217, 223, 251, 253
boletes 33
Boletopsis 214
Boletus 36, 47, 86, 108, 148, 149, 153, 154, 157–160, 214, 216, 217, 236
Bondarzewia 36, 76
bracket fungi 152
Bridgeoporus 36
British Council 168, 171
Bryoglossum 36
Buglossoporoides 214, 217
Byssocorticium 151
- C/N cycling 199
calcicolous grassland 121
calcifugous grassland 121
Calocybe 160
Calvatia 109
Cantharellula 150
Cantharellus 33, 36, 47, 107, 108, 159, 160, 236
Castinopsis 19
Catathelasma 36
CCW (Countryside Council for Wales) 120
cep 236
Cercospora 205
Ceriporia 86
Chalciporus 36
Chamaecyparis 40
Chamomixia 36, 97, 100
champions 210, 213
change in land use 70

Cambridge University Press

978-0-521-04818-7 - Fungal Conservation: Issues and Solutions

Edited by David Moore, Marijke M. Nauta, Shelley E. Evans and Maurice Rotheroe

Index

[More information](#)*Index*

257

- chanterelle 50, 107, 236
 charcoal 158
 checklist 10, 67, 90, 167, 184, 194, 243
 CHEG profile 125
 China 106, 111–118
 Chinese forests 112
Choeromyces 36, 97, 98, 158
Chromosera 36
Chroogomphus 36
Chrysomphalina 36
Clavaria 74, 121, 129, 138, 150
Clavariadelphus 36, 86, 159
 clavaroid 120, 138–140
Clavicorona 36
Clavulina 36
Clavulinopsis 121, 129, 138, 139
 climate 45, 128, 228
Clitocybe 36, 157
 coastal dunes 136
 coastal forest 19
 code of conduct 219, 235, 238, 239
 coelomycetes 204
Colletotrichum 202, 204
Collybia 36, 158
 commercial harvesting 9, 21, 22, 26,
 46–49, 52, 53, 105–110, 145, 153, 156,
 158, 160, 219–222, 226, 231, 232, 236, 245
 communities 25–28, 30, 68, 213
 computer records 169
 computing resources 164
 conservation efforts 54
 conservation policy 223–241
 conservation value 123, 125, 127
 contact point 210, 213
 Convention on Biological Diversity 209
 coppice 153
Coprinus 158
Cordyceps 36
Coriolopsis 159
Cortinarius 36, 148, 149, 151, 157, 159
Corylus 19, 149
 Country Group 210
Crataegus 140
Craterellus 36, 108
 cryptic species 21
Cryptomeliola 204
 Cuba 182–196
Cudonia 36
 cultivated strains 113, 114
 cultivation method 111
 culture collections 13, 160, 172, 183, 192,
 198
 CWD (coarse woody debris) 27
Cyphellostereum 36

 Darwin Initiative 185, 192, 200, 202
 dead wood 152

 deforestation 112, 184
 degradation 188, 191, 199
Dentipellis 86
Dermocybe 36
Dermoloma 129
Destuntzia 36
 DFID (Department for International
 Development) 162
Dichostereum 36
Diospyros 205
Diplomitoporus 86
 directory of scientists 169
 distribution 67, 68, 72, 92, 147, 168, 200,
 215, 225, 242–244, 249
 disturbance 27, 99, 102, 227
 diversity 22, 29, 30, 32, 35, 37, 69, 73, 77,
 85, 109, 114, 118, 134, 142, 154, 156, 163,
 184, 185, 187, 197, 199, 206, 209, 211,
 213, 245, 251, 252
 dune slacks 137
 dunes 147
 Dutch Mycological Society 89, 242–246

 Earth Summit 209
 earth-tongues 120, 136–143, 150
 ECCF (European Council for the
 Conservation of Fungi) 7, 64, 68, 75,
 95
 ecological corridors 12
 ecology 68, 99
 ecosystem functions 23
 ecosystem management 22
 ectomycorrhiza 19, 23, 33, 45, 49, 51, 52,
 69, 95, 145, 148, 152
 education 118, 190, 240, 248, 253
Elaphomyces 36, 95, 97, 98
Elasmomyces 97, 100
 endangered species 81, 128, 130, 201, 202
 Endangered Species Act 20
Endogone 36
 endophyte 187, 200–202
 enoki 109
Enterographa 217
Entoloma 36, 74, 120–143, 149, 150, 153,
 157–159
 environmental quality 14
Eccornartium 86
 ephemeral fruit bodies 42
 epigaeous fungus 33
 epiphytes 201
 Estonia 81
Eucalyptus 158
 ex situ conservation 160, 198
 extinct hypogeous species 102
 exudates 23

Faerberia 158

258 *Index*

- fairy-club 120, 121
Fayodia 36
Fevansia 36
 fieldwork 168
 fire 27, 45, 48
 fire suppression 29, 30
Fischerula 97, 98
Fomes 148
Fomitopsis 86
 food webs 21, 24, 29, 200
 foray 223, 224
 forest disease 21
 forest felling 8
 forest fungi 19, 22, 23, 26
 forest gaps 24
 forest management 20, 25, 29
 forest products 21
 forest soil 200
Fremitoryces 204
 Fujian Province 114, 115
 fungal habitat 42
 fungal records 187, 225
 fungivores 24
 fungus linkages 25
- Galerina* 36
Ganoderma 86, 159
Gastroboletus 36
Gastrosporium 97, 100
Gastrospillus 36
Gautieria 36, 97, 100
Geastrum 86, 151, 159
Gelatinodiscus 36, 40
 gene flow 31, 32
 gene pool 114, 118
Genea 97, 98
 genet 32, 116, 117
 genetic drift 31
 genetic homogeneity 114
 genetic isolation 34
 genetic variation 32, 33
Geoglossum 74, 138, 150
 geographic scales 32
Geopora 97, 98, 157
 global trade 106
Gloeophyllum 178
Glomerella 204
Glomus 36
Gomphus 36, 86
 grassland 74, 120–143, 145, 147, 150, 215, 217, 228, 250
 grassland soil 200
 grassland types 121, 127, 129, 133
 grazing 140–142, 153
 grazing, cattle 136
 grazing, rabbit 134
 grazing, sheep 134, 136
- green lists 172
 greenhouse effect 8
 grey lists 172
Grifola 109, 159
 Guangdong Province 114, 115
 guidelines 54, 93, 103, 133, 134, 141, 142, 181, 221, 229, 244
Guignardia 202
Gymnomyces 36
Gymnopilus 36
Gyromitra 36
Gyroporus 158
- habitat 75, 86, 95, 99, 148
 habitat action plans 210, 217
 habitat conservation 11, 103, 184, 250
 habitat destruction 8, 69, 249, 250
 habitat indices 42
 habitat loss 232
 habitat management 38, 103
 habitat manipulation 49
 habitat modelling 42–45
 habitat plans 211
 habitat protection 244
 habitat scale 248
 HAP (Habitat Action Plan) 210
Hapalopilus 86
 health audits 202
 heartwood 152
 heathland 150, 253
Hebeloma 36, 66, 157, 158
 hedgehog mushroom 108
Helvella 36, 158
 hen of the woods 109
Hericium 86, 149, 154, 159, 214, 217
 heritage value 10
Hippophae 140
Histoplasma 189
 historic sites 40
 Hubei Province 114, 115
Hydnangium 97, 100
 hydnelloid 216
Hydnellum 86, 149
Hydnobolites 97, 98
 hydnoid species 149
Hydnomyxa 36, 97, 98
Hydnnum 36, 47, 108, 149
Hydrobotrya 98
Hydropus 36
Hygrocybe 66, 74, 120–143, 150, 153, 154, 159, 214, 215
Hygrophorus 36, 151, 153, 154, 158, 159
Hymenogaster 97, 100
 hyphal length in nature 199, 200
 hypomycetes 204
Hypocreopsis 214
 hypogeous fungi 24, 33, 44, 95–103, 227

Cambridge University Press

978-0-521-04818-7 - Fungal Conservation: Issues and Solutions

Edited by David Moore, Marijke M. Nauta, Shelley E. Evans and Maurice Rotheroe

Index

[More information](#)*Index*

259

- Hypomyces* 36, 108
Hysterangium 97, 100
- Idaho 19
 indicator species 14, 84–86, 127, 128, 132, 225
 indicator-species profile 125
 industrial mycology 191
 information storage 166
Inocybe 157
 interior forest 19
 inventory 10, 35, 38, 42, 82, 83
 ITE (Institute of Terrestrial Ecology) 152
 IUCN specialist group 13
 IUCN threat category criteria 11, 70, 72, 75, 177, 179, 203, 244
- Jiangxi Province 114, 115
- Kenya 197–208
 key habitats 210
 king bolete 108
- labile information 165
Lactarius 108, 140, 148, 151, 157–159
 land management 48, 54, 154, 228, 247
 land use 145
 land use change 9
 land-owners 222
 landscape scales 31, 34
Larix 19
 laying yard 112
 LBAP (Local Biodiversity Action Plan) 210
 lead partner 210, 213
 leaf spots 205
Leccinum 148, 157
 legislation 8, 20, 21, 160, 173, 189, 191, 237, 239, 247, 253
Lentinula 111–118
Lepiota 151, 159
Lepista 157
Leptoporus 86
Leucangium 47, 109
Leucogaster 36, 97, 100
Leucopaxillus 158, 159
 lichen 187, 199
 lignin decomposition 199
 limestone hills 182
Lindtneria 86
Lithocarpus 19
Lobelia 203
 lobster mushroom 108
 long list 210
Lucanus 217
- machinery 153
- Macowanites* 36
Macrotyphula 158
 management 21, 30, 31, 36, 47, 48, 93, 122, 142, 152, 153, 160, 226, 229, 247, 250
 management guidelines 54, 93, 103, 133, 134, 141, 142, 181, 221, 229, 244
 management history 124
 management plans 89, 90
 mangrove swamps 182
 mapping 10, 67, 68, 168, 226, 243, 249
Marasmius 36
Martellia 36, 97, 100
 matsutake 50, 106, 107
 medical mycology 191
Melanogaster 97, 100
Melanoleuca 158
Meliola 204
 mesotrophic grassland 121
 microarthropods 24
 microfungi 197–208
Microglossum 129, 131, 138, 150, 214, 215
 middle list 210
 migrations 8
 mire 121
 modelling habitat 42
 molecular techniques 28
 monitoring 35, 103
Morchella 47, 107
 morel 50, 107
 mowing 136, 141, 142, 153
Multiclavula 86
 multispore spawn 117
 mushroom 24, 29, 33, 47
 Mushroom Code 221
Mutinus 159
 mutualisms 21
 mycelium 199
Mycena 36, 148, 150, 151, 157
Mycodome 251
 mycological reserves 12, 90, 244
 mycological sites, The Netherlands 92
 mycophagy 33
 mycorrhiza 25–28, 30, 73, 154, 187, 200, 202, 236
 mycoses 188
 mycotoxicoses 188
Myriostoma 158, 159
Mythicomyces 36
- natural products 200
 natural selection 31
 nature management 136, 248
 nature managers 93
 nature reserves 89, 99, 144–155, 151, 181, 189, 198, 227, 245, 249

260 *Index*

- NBGW (National Botanic Garden of Wales) 123, 251
 necrotrophic 201–203
Neolentinus 36
Neournula 36
Nivatogastrum 36
 nomenclature 126
 northern spotted owl 20, 29
 Northwest Forest Plan 20, 21
 nutrient cycling 21, 23
 nutrient retention 23
 NVC (National Vegetation Classification) 120, 121, 127, 152

Octavianina 36, 97, 100
 old-growth forests 20, 22, 29, 35, 69, 73, 75, 81, 82, 84, 180, 181, 249, 253
 old-growth grassland 74
 old-growth woodland 92
Oligoporus 86
Ombrophila 148
Omphalina 36
Omphalotus 158, 159
 optimism 247–255
 Oregon 19
 organic carbon sinks 23
Ossicaulus 158
Otidea 36
Oudemansiella 159
 over-picking 226
 Overseas Forays 224
Oxyporus 76
 oyster mushroom 109

Pachyphloeus 97, 98
Panaeolus 140, 141
 parasites 201
 pasture 153
 PCR–RFLP 28, 30
 peasant-farmers 111
Perenniporia 86
 pessimism 247–255
Peziza 141
Phaeocollybia 36
Phaeolus 86
 pharmaceuticals 200
Phellinus 86
Phellodon 36, 86, 148, 149, 159
Phlebia 86
Pholiota 36, 158
Phomopsis 202
Physisporinus 86
Picea 19, 99
 picking wild mushrooms 9, 21, 22, 26, 46–49, 52, 53, 105–110, 145, 153, 156, 158, 160, 219–222, 226, 231, 232, 236, 245

Picoa 97, 98
 pine forest 147, 148, 153
Pinus 19
Pisolithus 159
Pithya 36
 plant pathogens 24
 plantations 150
Plectania 36
Pleurotus 158, 160
Pluteus 151
Podostroma 36
 pollution 8, 9, 52, 69, 70, 145, 152, 184, 225, 228, 232, 252
Polyozellus 36
 polysaccharide exudates 23
 ponderosa pine 30
 population 31–33, 68, 252, 255
 population biology 22, 30, 113
 population structure 116
Populus 19
Poronia 214
 portabello 109
 powdery mildews 205
 primary threats 180
 priority species 212
 priority species or habitat 210
 productivity 50, 51
Protea 203
 protected areas 189
 protection 103, 158, 160
Pseudaleuria 36
Pseudomerulius 86
Pseudotsuga 19
 public awareness 190
 puffball 109
Pulcherricium 159
Pycnoporellus 86

Quercus 19

 raising yard 112
 rakes 158
Ramaria 36, 159
Ramariopsis 129
 ramet 32
 random mating 34
 rare species 30, 35, 38–43, 69, 81, 84, 85, 89, 91, 128, 130, 145, 158, 197, 200, 205, 224, 225, 228
 recommendations 181, 229
 red (rarity, endangerment and distribution)
 data lists 11, 35, 37, 64–67, 70–72, 74, 84, 121, 128, 130, 145, 146, 148, 158, 160, 172, 177, 227, 229, 231, 249, 253
 red data lists, European 71, 96–103
 red data list, Idaho 37
 red data list, Estonia 86

Cambridge University Press

978-0-521-04818-7 - Fungal Conservation: Issues and Solutions

Edited by David Moore, Marijke M. Nauta, Shelley E. Evans and Maurice Rotheroe

Index

[More information](#)*Index*

261

- red data list, Oregon 37
 red data list, The Netherlands 90–92, 243,
 244
 reproduction strategies 69
 rhizomorphs 23
Rhizophagus 33, 36, 97, 100
Rhodocybe 36
Rickenella 36
Rigidoporus 86
 risk status 37
Rozites 148
 RSPB (Royal Society for the Protection of
 Birds) 144–155
 RSPB reserves (map) 147
 rural development 106
 rural economy 105
Russula 36, 108, 148, 151, 157
- Salix* 19
 sampling 31, 41, 42
 SAP (Species Action Plan) 210
Sarcodon 36, 86, 149
Sarcosoma 36, 86
Sarcosphaera 36
Schizophyllum 157
Sclerogaster 97
 Scotland 219–222
 second-hand computers 162
Sedecula 36
Senecio 203
Serpula 86, 178
 Shaanxi Province 114, 115
 shiang-gu 109, 111–118
 shiitake 109, 111–118
 short list 210
 Sichuan Province 106
 Sicily 156–161
 silent protection 103
 silviculture 29, 30, 51, 53
Sistotrema 86
 site monitoring 103
Skeletocutis 86
 small mammal 24, 29, 44
 snowbanks 40
 soil fungi 189
 soil structure 23
 somatic compatibility 117
 sooty moulds 204
Sowerbyella 36, 86
Sparassis 36, 108
Spathularia 36
 spatial scales 32, 34
 spawn production 113
 species action plans 211, 214
 species concepts 66
 species of conservation concern 210
 species statement 210, 212
- Sphaerosoma* 97, 98
 spore dispersal 33
 SSC (Species Survival Commission) 7
 SSSI (Site of Special Scientific Interest)
 120
Stagnicola 36
Steccherinum 86
Stephanospora 97
Stephensia 97, 98
Strobilomyces 149, 151, 159
 succession 26
Suillus 33
 survey 21, 28, 36, 39–41, 120, 134, 203,
 216, 253
 sustainable management 26, 48, 50, 52,
 109, 118, 219, 250
 symbionts 27
- taxonomists 10, 39
 taxonomy 38, 66
 teleomorph 199, 204
Tephrocybe 158
Thaxterogaster 36
 The Netherlands 242–246
 threat categories 11, 98, 100, 178
 threatened habitat 72
 threatened species 70, 96, 97, 128, 130, 144,
 145, 180
 threats 184
 Tibet 106
 timber harvest 20, 27, 45, 47, 107
 timber management 152
Tomentella 86
 tourism 184, 194
 traditional technology 111
 training 39
Trametes 179
 trampling 227
Tremiscus 36, 86
Trichoglossum 138, 150
Tricholoma 36, 47, 107, 148, 157–159
Tricholomopsis 36
 tropical expeditions 224
 truffle 24, 29, 35, 95, 103, 107
 Truffle Hunt 224
Tsuga 19
Tuber 36, 47, 97, 98, 109
Tulostoma 159, 214, 215
Tylopilus 36
- UK BG (UK Biodiversity Group) 210
 UK Darwin Initiative 163, 167, 168, 170
 Ukraine 162–176
 UNESCO biosphere reserve 189
 United Kingdom 209–218
 USDA (US Department of Agriculture)
 20, 22

Cambridge University Press

978-0-521-04818-7 - Fungal Conservation: Issues and Solutions

Edited by David Moore, Marijke M. Nauta, Shelley E. Evans and Maurice Rotheroe

Index

[More information](#)

262 *Index*

- USDI (US Department of the Interior) 20
- voluntary agreements 247
- voluntary code 219
- Volvariella* 151
- Wakefieldia* 97
- Wales 120–135
- Washington 19
- waxcaps 120–143, 150, 215, 217
- wild mushroom harvesting, issues 220
- wild mushrooms 9, 21, 22, 26, 46–49, 52, 53, 105–110, 145, 153, 156, 158, 160, 219–222, 226, 231, 232, 236, 245
- woodlands 147
- woody debris 27, 30, 35, 45, 83
- Xylaria* 86
- Xylobolus* 86
- Yunnan Province 106, 114, 115