

C. Ciccarone, M. Pasqualetti, S. Tempesta & A. Rambelli

An annotated list of macrofungi from Gargano areas (S-Italy)

Abstract

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The authors report a survey on the macrofungi from Gargano areas. 279 taxa (29 Ascomycetes and 250 Basidiomycetes) are here reported. The most representative genera are *Amanita*, *Lactarius* and *Cortinarius*.

Introduction

In the present work we list the fungal species found in the areas of the different Gargano environments. Samples were collected through a surveying net according to the Forest Rangers Guard and to a Mycological association placed in Vico del Gargano.

The list lies surely far from completeness, in fact, more different and notorious species, otherwise, surely present in the same area (beyond many others, *Boletus satanas* Lenz, *Stropharia aeruginosa* (Curtis: Fr.) Quél. or *Battarrea phalloides* (Dicks.: Pers.) Pers. eluded all our temptatives). Nevertheless we believe that the level of biodiversity richness and the interest of many of the reperta here produced through the real work of collectors, represents a valid proposal for further study on this subject. Gargano is, in fact, a widely open environment where anthropization produces a continuous crossed ebb and flow of species introduction and species extinction so that a static picture of the fungal biodiversity can be hardly traced.

Moreover, an important contribution is given to the nomenclatural updating of the taxa which are often locally known by local expressions or obsolete binomial combinations.

Anyway this study is part of much bigger one regarding the whole garganic eumycotal world and represents a new temptative of discover in this scarcely deepened subject.

Materials and methods

This study lasted 6 years and was carried out on 112 sites monitored in different seasonal periods. Material was always collected in the form of carpophores well preserved.

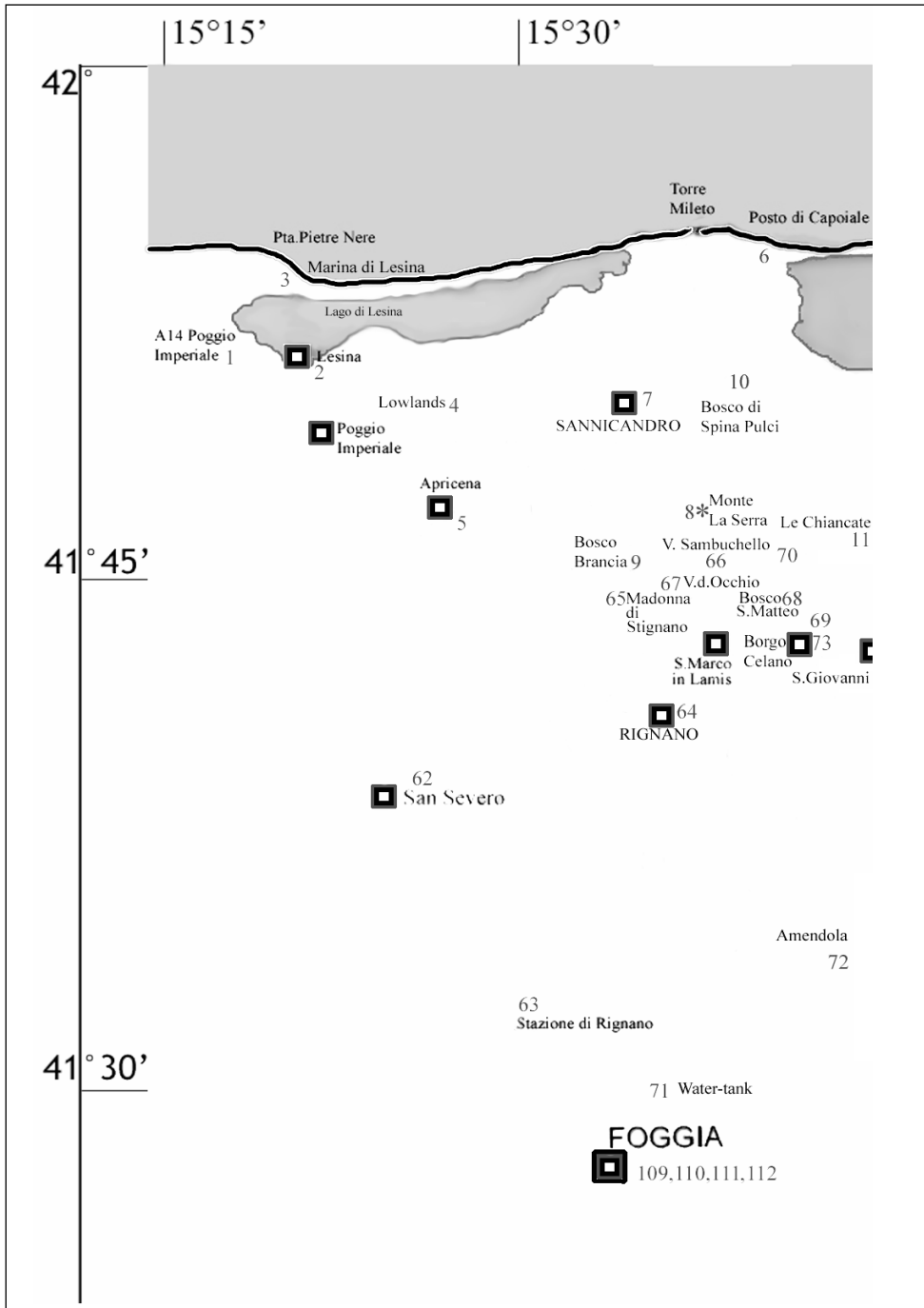


Fig. 1. Location of the monitored sites in Gargano areas.

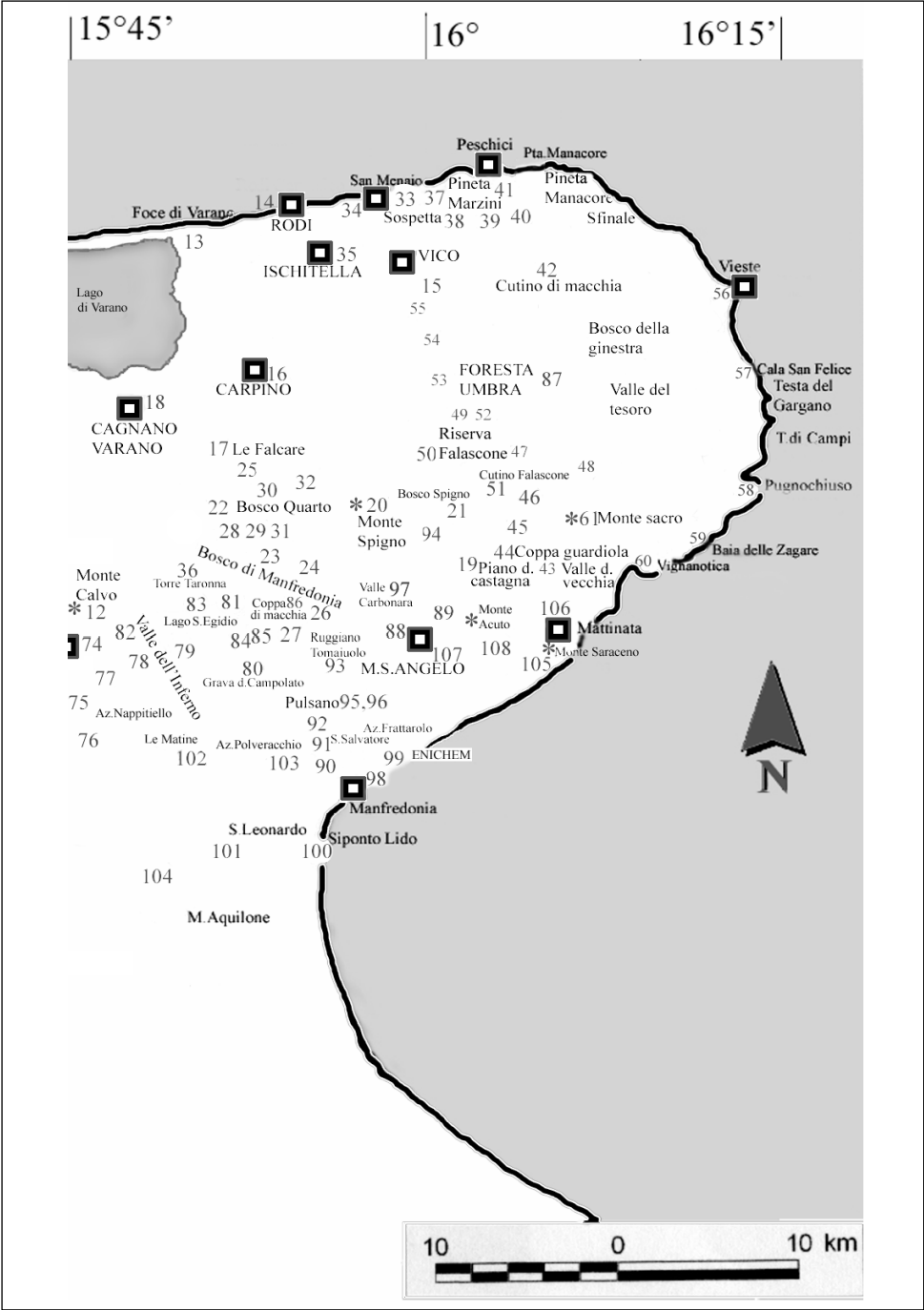


Fig. 1. continued.

Different data, if significant, were registered with the aid of pHmeter, thermo-hygrometer, altimeter, soil penetrometer, thermo-colorimeter, electronic anemometer, spore trap, GPS for data mapping and site-marking.

In the case of agarics and everywhere if possible, identification was performed through trained in situ observation of microscopic or macroscopic morphological, megetic, colorimetric or sensitometric (taste and odour) features with the support of local trained personnel. Dies were observed under natural subdued light (5600°-7000°k) and artificial staining was applied on lamellae, pilea, chair or spores if required by taxonomic purposes. Identification were supported by field manuals such as: Galli 1982; Phillips 1985; Breitenbach & Kraenzlin 1986; Impagnatiello & di Iasio 1987; Foiera & al. 1998a, 1998b, 1998c; Laux 1998; Nonis 2001; Tagliavini & Tagliavini 2001; Cetto 2003; Gerhardt 2005.

Samples not determined on the field were processed in laboratory. Spore ornamentation was observed and dimensions were measured while profile, elongation and complex morphological characters (such as eccentricity, axial bend radius, trasparency, reflectance, refractive parameters and colour density) were determined thanks to LUCIA 4.8 System Software for Image Processing and Analysis. Also colorimetric mycelial reaction and chemical treatment were performed. For identification some ascomycetes were cultivated on synthetic substrates. Aid to laboratory diagnoses was supplied by the texts of Murril 1907; Donk 1966, 1974; Eriksson & Ryvarden 1973; Gilbertson & Ryvarden 1986, 1987; Bernicchia 1980; Giovagnotti 1980; Farr & al. 1980; Dennis 1981; Petrini & Petrini 1985; Rappaz 1987; Rogers & al. 1987; Larsen & Cobb-Pouille 1990; Ginns & Lefebvre 1993; Ryvarden & Gilbertson 1994; Fischer 1996; Ju & Rogers 1996; Rambelli & Pasqualetti 1996.

Environmental notes for soil and the climatic parameters of the Gargano territory were obtained by direct measurements supported by Zanella & al. 2001 and Tarantino & Flagella 2003.

Some identification of agarics was given by dr. M. Celozzi of the ASL Mycological Dept. of Sansevero.

Study area

The research work has been carried out within the borders of the garganic area (Fig. 1), including some strikingly different sites which are locally considered as valid ecological descriptors, with some relational significance to the planitial surroundings: sandy dunes seashores, rocky seashores, phalesias. On the promontory many different environments can be defined, but, primarily, macchia mediterranea, garigas, phryganes, cereal cultivations, arboreal fruit cultivations, notably olive trees and almond-trees, citruses. There are, then, forests the most famous of which is the Foresta Umbra, a dense and anomalous natural settlement of *Fagus sylvatica* L. ranging from the seashore to a high-hilly quote, where *Taxus baccata* L. represents a ruderal survivor, a big pinewood is represented by the coastal band. Many other forests are vast oak-woods.

Descriptive Acronyms

Wpk - GPS waypoint.

Pt - Low or absent GPS reception of data.

Y (a, b, c, d) - Y number of operated surveys in the course of the 6 yrs in each season; winter (a), early spring (b), late spring (c), autumn (d).

Ch - mean canopy height.

Uch - mean undercanopy height.

Mdi - approximate maximum height of dominant arboreal individuals.

OM - organic matter.

- (1) **Wpk** (N 41°51.310', E 15°18.180', 100 m.s.l.) - Poggio Imperiale, cultivated grassy slopes. Intensely enlightened and windy. Notes: soil erosion, 1(c).
- (2) **Pt** - Lesina (lakeshore), vegetation characterized by species belonging to *Agrostis*, *Cenchrus*, *Cistus*, Boraginaceae, Graminaceae, Cyperaceae and *Rosa gallica* L., *Tamarix canariensis* Willd., *Tamarix gallica* L. Light saturation reinforced by glare, windy. Notes: salt-water soils and seabreezes at the origin of main vegetation damages, 2(c).
- (3) **Pt** - Marina di Lesina, dense artificial coastal stand with *Eucalyptus camaldulensis* Dahn., *Eucalyptus globulus* Labill., and species belonging to *Artemisia*, *Erica*, *Juniperus*, *Acacia* and *Pinus*, (Ch 7 m). Intensely enlightened. Notes: sandy on volcanic mother-rock; salt-water soils and seawind at the origin of main vegetation damages, 2(b), 2(c), 2(d).
- (4) **Pt** - Antropic lowlands environment, olive-trees and almonds. Intensely enlightened. Notes: ferralitic soils, 1(c).
- (5) **Pt** - Surroundings of Apricena, mixed wood with *Acer campestre* L., *Ceratonia siliqua* L., *Olea europaea* L., *Pistacia lentiscus* L., *Pistacia terebinthus* L. and *Punica granatum* L. Filtered enlightenment. Notes: old-fashioned agricultural environment, 1(a), 2(b), 1(c), 2(d).
- (6) **Pt** - Posto di Capoiale, artificial mixed coastal tree stand including species belonging to *Pinus* and *Eucalyptus*. Notes: salt-water soils and seawind, 2(c), 2(d).
- (7) **Pt** - Sannicandro Garganico (ca. 210 m.s.l.), vegetation characterized by *Spartium* sp. and *Opuntia ficus-indica* (L.) Mill. Notes: old-fashioned agricultural environment supported by thin soil and litter on carsic grey-dolomia rocky banks, 3(d).
- (8) **Pt** - Monte la Serra, mixed-wood with *Quercus ilex* L., *Pinus pinaster* Ait., *Cupressus sempervirens* L., *Quercus suber* L., *Erica arborea* L., *Muscari neglectum* Guss. ex Ten., *Orchis pauciflora* Ten., (Ch 8 m). Filtered enlightenment. Notes: limestony step-fault of pisolithic ravine, rapid water percolation. Cow and sheep grazes on "rill-kar-

- ren”, 1(d).
- (9) **Pt** - Bosco Brancia, oakwood, (Ch 8 m). Filtered enlightenment. Notes: locally thin litter, rapid water percolation, 2(b), 1(d).
- (10) **Pt** - Bosco di Spina-Pulci, mixed-wood, (Ch 9 m). Filtered enlightenment. Notes: “rillkarren”, locally thin litter, rapid water percolation, 3(d).
- (11) **Pt** - Le Chiancate, mixed-wood. Notes: highland deep soil on carsic rock layer, elevated soil drainage and temperature excursion. Animal overcrowding, 6(b), 2(d).
- (12) **Pt** - Monte Calvo, summital sunny garigue including species belonging to *Anchusa*, *Cephalanthera*, *Hesperis*, *Ophrys*, *Vicia*, Ranunculaceae, Convolvulaceae and *Iris pseudo-pumila* Tineo, *Cytisus decumbens* (Durande) Spach, *Orchis pauciflora* Ten. Intensely enlightened and windy. Notes: rapid water drainage, eroded rocky soil, 3(d).
- (13) **Pt** - Foce di Varano, artificial mixed coastal tree stand with species belonging to *Acacia*, *Ailanthus*, *Ficus*, *Pinus*, *Populus* and *Juncus litoralis* C.A. Meyer, *Lupinus luteus* L. and *Ophrys apifera* Huds. Notes: salt-water sandy soils and seawind, 3(b), 1(d).
- (14) **Pt** - Rodi Garganico, coastal tree stand with *Pinus halepensis* Mill., *Pinus pinaster* Soland., *Spartium* sp. and *Ilex* sp. Notes: subacid black soil, 3(d).
- (15) **Wpk** (N 41°53.327', E 15°57.730', 487 m.s.l.) - Surroundings of Vico del Gargano, vegetation characterized by species belonging to *Quercus*, *Pinus* and *Cupressus sempervirens* with *Rosa* sp. spots on graminaceous garigues with *Orchis purpurea* Huds. Notes: gravel in cretacic pinkish limestone as mother rock, 2(b), 4(d).
- (16) **Pt** - Carpino, mixed-wood including maples, poplars, ashes and *Cytisus decumbens*, (Ch 12 m). Filtered enlightenment, sea-breezes. Notes: highland brown, deep soil on carsic rock layer, 2(b), 3(d).
- (17) **Wpk** (N 41°47.623', E 15°50.832', 646 m.s.l.) - Cagnano Varano loc. Le Falcare, highland wood with *Pinus pinaster*, *Cupressus sempervirens*, maples, hawthorns, rubus, ferns, strawberries, violets and *Aubrieta columnae* Guss. on rocks. White lichenic crusts and *Caloplaca aurantia* (Pers.) Hillb. on logs. Intensely enlightened, north exposition, 1(b), 2(c).
- (18) **Pt** - Cagnano Varano, mixed-wood with *Cytisus decumbens*, *Spartium* sp. and *Paliurus australis* Gaertn. phrygane. North-east exposition. Notes: sandy soils of ferallitic mother rock, 1(d).
- (19) **Wpk** (N 41°43.856', E 15°55.733', 228 m.s.l.) - Piano della Castagna, mixed-wood with *Quercus ilex*, *Pinus pinaster*, *Cupressus sempervirens*, *Quercus suber*, (Ch 8 m),

and grazing stands with *Erica arborea*, *Muscari neglectum* and *Orchis pauciflora*. Filtered enlightenment, sea breezes. Notes: limestony step-fault of pisolithic ravine, “rillkarren”, cow and sheep grazes, cattle and swine crowding, rameael chewing and soiling, 2(b).

(20) **Pt** - Monte Spigno, high-hilly oakwood with dwarf stands of *Quercus ilex*, *Quercus pubescens* Willd., *Orchis italica* Poir. Intensely enlightened stand, windy. Notes: highland deep soil on calcareous rocky layer, intense wind-erosion, 1(b).

(21) **Pt** - Bosco Spigno, vegetation including *Quercus ilex* and species belonging to *Lunaria*, *Lonicera*, *Ceterach* and *Orchis morio* L., (Ch 8 m). *Xanthoria parietina* (L.) Th. Fr. on oak bark. Filtered enlightenment. Notes: oolitic limestones, 1(d).

(22) **Pt** - Bosco Quarto, mixed-wood with *Quercus pubescens*, *Quercus frainetto* Ten., hawthorn, *Acer opalus* Mill., *Hedera helix* L., *Anemone nemorosa* L., *Allium subhirsutum* L., (Ch 15 m). *Xanthoria parietina* on oak bark. Filtered enlightenment, efficient wind-shielding. Notes: cattle and swine overcrowding, rameal chewing and soiling, 8(b), 4(c), 3(d).

(23) **Wpk** (N 41°43.081', E 15°52.474', 657 s.l.m.) - Bosco Quarto, arbored prairie with oaks, *Ilex aquifolium* L. scrubs, *Neottia* sp. *Xanthoria parietina* on oak bark. Intense enlightenment, windy. Notes: carsic soil on dolinal layer, 8(b), 3(d).

(24) **Wpk** (N 41°45.903', E 15°49.700', 644 s.l.m.) - Bosco Quarto, megaphanerophytic cover with Turkey oak, *Quercus frainetto*, elm, *Fagus sylvatica* and *Quercus petraea* (Mattuschka) Liebl., maples, thin holly underwood scrub, *Anemone nemorosa*, *Allium subhirsutum* and musks, (Ch 27 m, Mdi 35 m). Lichens: *Usnea* sp., *Lobaria pulmonaria* (L.) Hoffm., *Evernia prunastri* (L.) Ach. Filtered enlightenment, 3(b), 1(c), 3(d).

(25) **Wpk** (N 41°46.588', E 15°49.626', 580 s.l.m.) - Le Falcare, young oak, elm and maple with *Cistus* spp., *Allium subhirsutum*, ferns, asfodeline, asphodels, anemones, euphorbias, rubus, *Dactylorhiza* orchids, (Ch 22 m, Uch 8 m, Mdi 30 m). *Xanthoria parietina* on oak bark. Notes: equine and cattle overcrowding, rameal chewing and soiling, 1(c), 2(d).

(26) **Wpk** - Bosco di Manfredonia, oakwood with *Ophrys sicula* Tineo and *Orchis papilionacea* L., *Xanthoria parietina* on bark. Filtered enlightenment, efficient wind-shielding, 2(b), 1(c), 1(d).

(27) **Pt** - Graminaceous grazing on partially terraced “graben” soil with dwarf oak, ash, holm tree stands and asphodel, *Allium subhirsutum*, *Narcissus* sp., *Campanula* sp., (Ch 4 m). Crusty, frondose and leavy lichens. Intense enlightenment, windy, 1(d).

(28) **Wpk** (N 41°44.491', E 15°53.046', 765 s.l.m.) - Bosco Quarto, oakwood high forest cover, (Ch 16 m). Deem light, efficient wind-shielding, 5(b), 2(d).

- (29) **Wpk** (N 41°44.962', E 15° 52.424', 738 s.l.m.) - Bosco Quarto, vegetation composed by *Fagus* sp., *Quercus cerris* and *Quercus frainetto*, oakwood clear with sparse bush of holly, rusci, *Cistus* sp. and *Allium subhirsutum*, *Anemone nemorosa*, (Ch 20 m, Uch 4 m). Abundant lichen vegetations of *Lobaria pulmonaria*, *Physcia* sp., *Physconia* sp., *Caloplaca* sp. Deem light, efficient wind-shielding. Notes: brown soil of dolinal layer, 3(b), 3(d).
- (30) **Wpk** (N 41°45.063', E 15°52.200', 727 s.l.m.) - Bosco Quarto, beech, maple, alder and oak forest comparatively free underwood, (Ch 16 m). Dense cover of *Lobaria pulmonaria* on beech. Filtered enlightenment, efficient wind-shielding, 1(a), 1(b), 3(d).
- (31) **Wpk** (N 41°45.197', E 15°51.628', 740 s.l.m.) - Bosco Quarto, Valle Ragusa, oak stumps and brushwood, (Ch 14 m). Filtered enlightenment, efficient wind-shielding. Notes: boars and wild pig grazing, 1(c), 3(d).
- (32) **Wpk** (N 41°45.127', E 15°49.239', 661 s.l.m.) - Northern Bosco Quarto, mixed Turkey oak, beech, ash, maple wood with hawthorn and asphodels, (Ch 16 m). Subdued light, efficient wind-shielding. Notes: boars and wild pig grazing, 1(b), 1(c), 3(d).
- (33) **Pt** - Grotta Sospetta, Pineta Marzini, *Oleo-ceratonion* on coastal phalesia including holmtree, *Quercus pubescens*, *Sorbus* sp., *Viburnum tinus* L., *Pinus halepensis*, *Rosmarinus officinalis* L., *Thymus* sp., *Olea oleaster* Hoffmanns. et Link, *Cistus monspeliensis* L., *Cistus salvifolius* L., *Cistus incanus* L. Filtered enlightenment, seawind and sea-breezes, 1(a), 4(d).
- (34) **Pt** - San Menaio, scrub among citrus plantations, intensely enlightened, sea wind and breezes, 1(c), 2(d).
- (35) **Pt** - Ischitella, Coppa delle rose, (290 s.l.m.), oakwood (*Quercus frainetto*, *Quercus ilex*, *Quercus cerris*), with elms and *Fraxinus* sp. North exposition. Notes: white-pinkish, cretacic limestony gravel offsprings of mother rock, 1(c), 1(b).
- (36) **Pt** - Torre Taronna, *Tordylium apulum* L. grazing on stony, deep, dark-brown, aerated soils. Intense enlightenment, windy. Notes: active wind erosion on "rill-karren", 1(a), 2(b), 1(d).
- (37) **Pt** - Pineta Marzini, *Pinus halepensis* arboreal cover with ash, holm, *Alaternus* sp., *Pistacia* sp., *Viburnum* sp. and *Lonicera implexa* Ait., (Uch up to 5 m, Ch 12 m). North, north-west exposition, filtered enlightenment, seawind and sea-breezes. Notes: unhomogeneous primary development in *Pinus* trunks due to fire rebirth, 1(b), 4(d).
- (38) **Pt** - Pineta Marzini, *Pinus halepensis* arboreal cover with *Cistus creticus* L., *Asperula garganica* Huter, Porta et Rigo ex Ehrenb. et Krendl., *Verbena officinalis* L., *Inula viscosa* (L.) Ait., *Linaria vulgaris* Mill., (Uch up to 4 m, Ch 14 m). Filtered enlightenment,

seawind and sea-breezes, 4(d).

- (39) **Pt** - Pineta Marzini, vegetation including holmwood clears, ashes, *Ostrya carpinifolia* Scop., *Pistacia* sp., *Phyllirea* sp., *Myrtus* sp., *Smilax aspera* L., *Coronilla emerus* L., *Asparagus acutifolius* L., (Uch up to 4 m, Ch 14 m). Filtered enlightenment, shielded seawind and sea-breezes, 1(c), 4(d).
- (40) **Pt** - Pineta Marzini, vegetation including *Ceratonia siliqua* L., *Pinus halepensis*, *Olea* sp., *Paliurus australis* Gaertn., *Daucus carota* L., *Allium subhirsutum*, *Bromus rigidus* Roth. Filtered enlightenment, seawind and sea-breezes, 2(b), 5(d).
- (41) **Pt** - Pineta Marzini, near Peschici, arboreal vegetation composed by *Pinus halepensis* and *Quercus ilex*, coastal maquis (phrygane) with *Pistacia* sp., *Myrtus* sp., *Arbutus unedo* L. and beyond sand dunes *Ammophila arenaria* (L.) Link and *Helichrysum italicum* G. Don, (Uch up to 8 m, Ch 15 m). Saturated light, sea wind-induced flag habitus adaptations. Notes: alomorph soil, 3(d).
- (42) **Pt** - Cutino di Macchia, anthropized environment with sparse oak (*Quercus ilex*, *Quercus pubescens*) spots and fruit-trees plantations, herbaceous vegetation including *Opopanax* sp., *Ferula* sp., *Asphodeline lutea* (L.) Rehb., *Asphodelus fistulosus* L., *Iris pseudopumila*, *Iris chamaeiris* Bertol., *Eruca* sp. end *Sinapis* sp. Intensely enlightened. Notes: highland dolinal depression of brown soil on carsic mother rock, 2(b), 3(d).
- (43) **Wpk** (N 41°44.318', E 15°57.863', 774 s.l.m.) - Valle della Vecchia, vegetation including holms, holly, rusci, *Erica arborea*, euphorbias, ferns, *Orchis pauciflora*, *Muscari neglectum*, (Uch up to 3 m, Ch 7 m, Mdi 12 m), phrygane on "rill-karren", 2(c), 2(d).
- (44) **Wpk** (N 41°44.329', E 15°58.333', 711 s.l.m.) - Coppa Guardiola, holmwood on ferny (*Asplenium* sp.) red-brown soils, (Uch up to 4 m, Ch 10 m, Mdi 14 m), 1(d).
- (45) **Wpk** (N 41°44.371', E 15°58.595', 694 s.l.m.) - Deciduous mesophanerophyte stand with alders, hornbeams, ashes, maples, (Uch up to 6 m, Ch 15 m). Filtered enlightenment, sea breezes. Notes: black and deep soils, 3(c).
- (46) **Wpk** (N 41°45.676', E 15°59.050', 620 s.l.m.) - Densely arbored grassy area including *Anacamptis pyramidalis* (L.) L. C. Rich., (Ch >18 m), 1(b), 1(d).
- (47) **Wpk** (N 41°47.819', E 15°58.610', 714 s.l.m.) - Foresta Umbra, *Aquifolio-fagetum* with *Cardamine bulbifera* v. *garganica* (Fen.) Fen., *Allium subhirsutum* and species belonging to *Satureja*, *Cytisus*, *Galium*, (Uch up to 4 m, Ch 22 m). Subdued light. Notes: black, deep soil fill the graves between organogenic dolostony limestone outcrops, 5(b), 2(c), 5(d).
- (48) **Pt** - Foresta Umbra (790 s.l.m.), *Aquifolio-fagetum* with *Fagus sylvatica*, *Tilia* sp.,

- Acanthus mollis* L., *Arum maculatum* L., *Epipactis meridionalis* H. Baumann et Lorenz, and species belonging to *Hedera*, *Cyclamen*, *Galium*, *Carduus*, *Ferula*, *Cephalanthera*, (Uch up to 6 m, Ch > 20 m, Mdi 40 m). Subdued light. Notes: black, deep soil on organogenic fissured limestone mother-rock, 5(b), 2(c), 5(d).
- (49) **Wpk** (N 41°48.261', E 15°58.934', 742 s.l.m.) - Bosco Falascone, *Aquifolio-fagetum* with *Taxus baccata* ruderal population and species belonging to *Acer*, *Fraxinus*, *Tilia*, *Fagus*, *Hedera*, *Galium*, *Cyclamen*, *Campanula* and with *Acanthus mollis*, *Allium subhirsutum*, *Barlia robertiana* (Loisel.) Greuter, (Uch up to 6 m, Ch > 20 m, Mdi 40 m). Subdued light. Notes: variously thick, dark-brown, aerated soils on dolinal layer, 5(b), 2(c), 5(d).
- (50) **Wpk** (N 41°48.376', E 15°58.943', 756 s.l.m.) - Bosco Falascone, *Aquifolio-fagetum*, in the underwood *Anemone* sp., *Paeonia* sp., *Asperula* sp., *Viola graeca* (W.Becker) Halacsy, *Daphne sericea* Vahl, (Uch 6 m, Ch > 20 m, Mdi 40 m). Lichens represented by *Lobaria pulmonaria*. Subdued light, windy. Notes: deep, dark-brown, aerated soils, 5(b), 6(d).
- (51) **Wpk** (N 41°49.146', E 15°59.452', 775 s.l.m.) - Foresta Umbra, *Aquifolio-fagetum* with *Picea* sp., *Quercus frainetto*, *Larix decidua* Mill., *Fagus sylvatica*, (Uch up to 6 m, Ch > 20 m, Mdi 40 m). Lichens represented by *Lobaria pulmonaria*. Subdued light. Notes: deep, dark-brown, aerated soils, 5(c), 6(d).
- (52) **Wpk** (N 41°49.679', E 15°59.730', 769 s.l.m.) - Foresta Umbra, *Aquifolio-fagetum* with ruderal settlement of *Taxus baccata* inside the monumental beech forest, (Ch > 20 m, Mdi > 40 m). Subdued light, windy, 5(b), 2(c), 6(d).
- (53) **Wpk** (N 41°50.105', E 16°00.261', 663 s.l.m.) - Beechwood fades to mixed broadleaf with *Fraxinus ornus* L., *Ilex aquifolium*, *Carpinus betulus* L., *Ostrya carpinifolia* Scop., and species belonging to *Acer*, *Tilia*, *Ulmus*, *Daphne*, (Uch up to 6 m, Ch > 20 m). Filtered light, scarcely shielded wind, 3(d).
- (54) **Wpk** (N 41°51.247', E 16°00.045', 625 s.l.m.) - Mixed cutinal wood turns to arboreal stand (Uch up to 6 m, Ch > 20 m). Intense enlighting, moderate wind, 1(d).
- (55) **Wpk** (N 41°52.541', E 15°58.083', 607 s.l.m.) - Pinewood fade to prairies, 1(c).
- (56) **Pt** - Vieste, vegetation composed by *Pinus* sp., *Cytisus scoparius* (L.) Link, *Spartium junceum* L. and species belonging to *Campanula*, *Centaurea*, *Daphne*, *Mesembryanthemum*, *Valeriana*, 2(c).
- (57) **Pt** - Cala San Felice, vegetation composed by *Pinus pinaster*, *Pinus halepensis* and species belonging to *Cistus*, *Cytisus*, *Myrtus*, *Nerium*, *Olea*, *Phyllirea*, *Pistacia*, *Spartium*, *Valeriana*. Notes: white rocky cliffs, 1(c), 1(d).

- (58) **Pt** – Pugnochiuso, coastal vegetation including *Myrtus communis*, *Phyllirea latifolia* L., *Pistacia lentiscus*, *Rosa dumalis* Bechst., *Spartium junceum*, and species belonging to *Agrostemma*, *Anthyllis*, *Colchicum*, *Ophrys*, *Valeriana*, (Uch up to 4 m, Ch > 10 m). Notes: eastern rocky phalesia, 3(d).
- (59) **Pt** - Baia della Zagare, coastal vegetation with *Quercus ilex*, *Myrtus communis*, *Phyllirea latifolia*, *Pistacia lentiscus* and species belonging to *Citrus*, *Olea*, *Erica*, *Spartium*, *Cytisus*, *Cistus*, (Uch up to 6 m, Ch > 12 m), 3(c), 1(d).
- (60) **Pt** - Baia di Vignanotica, coastal vegetation with *Pinus halepensis*, *Pinus pinaster*, *Pistacia lentiscus* and species belonging to *Myrtus*, *Olea*, *Phyllirea*, *Convolvulus*, *Digitalis*, *Tragopogon*, *Valeriana* and Fabaceae, (Uch up to 6 m, Ch > 8 m). Notes: pink, tender jurassic limestony phalesia, 3(c), 2(d).
- (61) **Wpk** (N 41°45.695', E 15°01.982', 666 s.l.m.) - Monte Sacro, vegetation composed by *Quercus ilex*, *Quercus pubescens*, *Ilex aquifolium* and species belonging to *Helichrysum*, *Verbascum*, *Ferula*, (Uch up to 3 m, Ch > 8 m). Notes: wild swine grazing, 3(b), 2(d).
- (62) **Wpk** (N 41°41.584', E 15°27.215', 96 s.l.m.) - Sansevero, suburban, planitial arboreal stands prevailingly composed of *Pinus halepensis*, olive-trees, grapes and ornamental alignments of palms and exotic essences, 2(c).
- (63) **Wpk** (N 41°34.734', E 15°29.031', 60 s.l.m.) - Stazione di Rignano, arbored grazing with species belonging to *Astragalus*, *Avena*, *Dactylis*, *Festuca*, *Galactites*, *Hordeum*, *Lagurus*, *Lathyrus*, *Matricaria*, *Medicago*, *Onobrychis*, *Phalaris*, *Polypogon*, *Santolina*, *Stipa*, *Triticum*. Notes: highland carsic phrygane wind erosion, rapid water percolation, 2(c).
- (64) **Pt** - Rignano Garganico, oakwood including agaves, opuntias, ferulas. Notes: pliocenic red browning soils, 2(a), 2(d).
- (65) **Pt** - Madonna di Stignano, mixed-wood with *Phillyrea* sp., olive-trees, *Quercus pubescens*, cherries, almonds. Notes: deep soil with sub-basic reaction, mean values of organic matter (OM = 2.8), carsic rock layer, 2(b), 1(d).
- (66) **Wpk** (N 41°43.973', E 15°36.000', 720 s.l.m.) - Valle Sambuchello, arid stony grazing including *Thapsia garganica* L., ferulas, euphorbias. Notes: red sandy-loam soil texture with sub-basic reaction, high content of organic matter (OM = 3.5), 1(b), 2(d).
- (67) **Wpk** (N 41°43.965', E 15°36.036', 710 s.l.m.) - Valle dell'Occhio, arid stony grazing including species belonging to *Punica*, *Ficus*, *Spartium*, ferulas and euphorbias. Notes: red, rather sandy sub-basic soil, with very high content of organic matter (OM = 3.8), 1(c).

- (68) **Pt** - Bosco San Matteo, oakwood with *Quercus pubescens*, *Quercus ilex*, *Stipa pennata* L., *Sternbergia* sp. and Amaryllidaceae, (Uch up to 4 m, Ch 10 m). North-west exposition, shady, 8(b), 5(d).
- (69) **Pt** - Borgo Celano, vegetation characterised by densely distributed *Dactylorhiza sambucina* (L.) Soó. Notes: deep, dark-brown, aerated soils, 6(b), 2(c), 3(d).
- (70) **Wpk** (N 41°43.953', E 15°40.203', 642 s.l.m.) - S. Matteo-Chiancate, grazing inside oakwood. North-west wind exposition. Notes: podolic cow grazing, 5(d).
- (71) **Wpk** (N 41°29.839', E 15°34.406', 60 s.l.m.) - among Foggia and Manfredonia, extensively cultivated plains with herbaceous and arboreal plantations, crossed by arbored roads, 5(b), 3(d).
- (72) **Pt** (N 41°33.028', E 15°41.829', 70 s.l.m.) - Amendola military airport, plain prairie with *Epipactis helleborine* (L.) Crantz, *Asparagus acutifolius*, asphodels and ferulas, 1(b).
- (73) **Wpk** (N 41°42.210', E 15°39.473', 617 s.l.m.) - Borgo Celano, mixed arboreal and bushy stand garigue with species belonging to *Crocus*, *Euphorbia*, *Himantoglossum*, *Lunaria*, *Ophrys*, 2(b), 4(c), 6(d).
- (74) **Wpk** (N 41°941', E 15°36.036', 560 s.l.m.) - S. Giovanni Rotondo, suburban prairies including species belonging to *Barbarea*, *Erysimum*, *Eruca*, *Sinapis*. Notes: limish soil composition, basic reaction, high content of organic matter (OM = 4.5), 2(c), 1(d).
- (75) **Wpk** (N 41°40.217', E 15°43.583', 356 s.l.m.) - S. Giovanni Rotondo, road ramps, vegetation composed by *Quercus pubescens*, almonds and species belonging to *Agaves*, *Olea*, *Opuntia*, *Pyraster*, ferulas, asfodels and *Orchis lactea* Poir. Notes: soil of fine hazel cretacic calcareous rock strata, 2(c).
- (76) **Wpk** (N 41°39.963', E 15°44.047', 249 s.l.m.) - Le Matine, olive and almond tree cultivation including *Asphodeline lutea*, other Liliaceae and *Orchis lactea*, 1(a), 2(c).
- (77) **Pt** - S. Giovanni Rotondo, pinewood with *Pinus pinaster*, *Abies* sp., *Lilium bulbiferum* L., *Senecio tenorei* Pign., *Iris pseudopumila*, *Limonium* sp. Notes: fertile limish soil (OM = 4.5) with basic reaction, 2(a), 2(d).
- (78) **Wpk** (N 41°42.356', E 15°44.910', 597 s.l.m.) - Among S. Giovanni Rotondo and Carpino, vegetation including arboreal hawthorn, hazelnut, almond, maple, dwarf oaks, mulberries, pyraster, *Asphodeline lutea*, euphorbias. Notes: fertile soil with basic reaction and high organic content, 3(d).
- (79) **Wpk** (N 41°43.442', E 15°47.723', 717 s.l.m.) - Vegetation including arboreal hawthorn, hazelnut, almond, maple, dwarf oaks, mulberries, pyraster, asphodels, horn-

beams, euphorbias. Notes: fertile soil with basic reaction and high organic content, 2(b), 2(c).

(80) Pt - Grava di Campolato, broad depression prairie including *Alkanna tinctoria* (L.) Tausch, *Asphodeline lutea*, *Asphodelus fistulosus*, *Iris pseudopumila*, *Iris chamaeiris*, and species belonging to *Eruca*, *Erysimum*, *Barbarea*, *Sinapis*. Notes: fertile loam soil with basic reaction, 2(c), 2(d).

(81) Pt - Coppa di Macchia - *Quercion ilicis*, 2(b), 1(c), 1(d).

(82) Wpk (N 41°42.431', E 15°47.187', 480 s.l.m.) - Old almond plantation with species belonging to *Iris*, Umbelliferae, *Asphodelus*. Notes: dolinal highland, brunnescent red, fertile prevalently clayish soils with basic reaction, 4(b).

(83) Wpk (N 41°42.483', E 15°47.714', 470 s.l.m.) - Lago S. Egidio, poplar stands surrounded almond and cypress scrubs, with *Ranunculus millefoliatus* Vahl, *Rumex palustris* Sm., *Lunaria annua* L. Notes: clear sandy-loamish soils, 3(b), 1(c), 2(d).

(84) Wpk (N 41°42.719', E 15°48.487', 478 s.l.m.) - Prairies including *Ranunculus millefoliatus* and *Rumex palustris*. Notes: ferralitic brunnescent soils, 3(d).

(85) Wpk (N 41°42.180', E 15°51.034', 526 s.l.m.) - Graminaceous highland prairies, 1(c).

(86) Wpk (N 41°43.118', E 15°55.179', 545 s.l.m.) - Torre Taronna along road, vegetation including lilies and graminaceae. Notes: podolic cows and herds grazing, 5(b), 8(c), 2(d).

(87) Wpk (N 41°43.098', E 15°55.350', 542 s.l.m.) - Foresta Umbra, mixed broadleaf wood with species belonging to *Acer*, *Quercus*, *Fagus* and sparse coniferous trees with heavy holly infestations, 5(c).

(88) Wpk (N 41°42.486', E 15°57.199', 818 s.l.m.) - Monte S. Angelo, vegetation including *Quercus pubescens*, arboreal hawthorns, asphodels. Notes: pinkish-white, calcareous cretacic mother rock, 4(b), 4(c).

(89) Wpk (N 41°42.483', E 15°48.698', 502 s.l.m.) - Grazing with *Asphodeline* sp., *Iris pseudopumila*, *Euphorbia pinea* L. Notes: podolic cows grazing, 1(c).

(90) Wpk (N 41°38.420', E 15°54.308', 60 s.l.m.) - San Salvatore, graminaceous prairies, with asphodels, poppies, mallows, thistles, 2(b), 2(c), 3(d).

(91) Wpk (N 41°39.847', E 15°53.484', 217 s.l.m.) - San Salvatore, abandoned *Opuntia ficus-indica* cultivations with arboreal hawthorns, *Rhus coriaria* L. and species belonging to *Alsophila*, *Echium*, *Psoralea*, *Reseda*, *Scorpiurus*, clover, crucifers, parsnips,

2(b).

- (92) **Wpk** (N 41°39.801', E 15°52.482', 367 s.l.m.) - San Salvatore, road ramps, vegetation including *Capparis* sp., *Centaurea subtilis* Bertol., *Ephedra major* Host., *Euphorbia dendroides* L., *Inula verbascifolia* (Willd.) Hausskn., *Micromeria fruticosa* (L.) Druce, *Scabiosa dallaportae* Heldr. Notes: pinkish, calcareous cretacic rocky cliffs, 2(b), 2(c).
- (93) **Wpk** (N 41°40.557', E 15°52.367', 508 s.l.m.) - Ruggiano-Tomaiuolo, vegetation including hawthorns, pines, almonds, ferulas, dwarf orry, *Impatiens* sp. and *Vincetoxicum* sp. Notes: ferrallitic fertile dolinal plain, sheeps grazing, 2(b), 2(c), 1(d).
- (94) **Wpk** (N 41°43.704', E 15°56.742', 701 s.l.m.) - Valle dell'Angelo (Valle Carbonara), vegetation including *Pinus* sp., *Phyllirea latifolia* L., euphorbias, brooms, (Uch up to 4 m, Ch 10 m), 3(c).
- (95) **Pt** - Madonna di Pulsano, phrygane with *Quercus ilex*, *Elaeoselinum* sp., *Opopanax* sp. South, south-est exposition, windy. Notes: arid stony soil, cattles overcrowding, chewing and soiling, 3(b), 2(d).
- (96) **Pt** - Vallone di Pulsano, vegetation including *Quercus ilex*, *Aubrieta columnae* Guss., *Cistus* sp., *Inula verbascifolia* and species belonging *Capparis*, *Dianthus*, *Scabiosa*, *Spartium*, (Uch up to 4 m, Ch 8 m). Strongly shadowed. Notes: podolic cattle overcrowding, chewing and soiling, 2(c), 3(d).
- (97) **Pt** - Valle Carbonara, *Quercion-ilex* with species belonging to *Alyssoides*, *Crocus*, *Ephedra*, *Ophrys* and *Orchis*. Sea breezes. Notes: sheep and cattle grazes, 4(d).
- (98) **Wpk** (N 41°38.002', E 15°55.809', 1 s.l.m.) - Manfredonia (along urban seashore), artificial environment with *Phoenix* sp., windy, 5(c).
- (99) **Wpk** (N 41°38.875', E 15°58.139', 12 s.l.m.) - North of Manfredonia, rocky garigues overlooking seawarding mixed almonds and olive trees cultivations with species belonging to *Asphodeline*, Compositae, *Ferula*, *Opuntia* and *Ophrys apulica* (O. & E. Danesch) O. & E. Danesch., 2(b).
- (100) **Wpk** (N 41°40.792', E 15°58.139', 1 s.l.m.) - Siponto, coastal vegetation including *Pinus* sp., *Cupressus sempervirens*, *Eucalyptus* sp., *Cakile maritima* Scop., *Carpobrotus edulis* (L.) N. E. Br. and *Ophrys iricolor* Desf. Notes: alomorph sands soils, 2(d).
- (101) **Wpk** (N 41°34.403', E 15°48.951', 115 s.l.m.) - San Leonardo, steppe-like pasture including species belonging to *Olea*, *Opuntia*, *Prunus*, Liliaceae, Malvaceae, Euphorbiaceae and almond cultivations. Intensely enlightened, 2(c).

- (102) **Wpk** (N 41°39.456', E 15°47.264', 213 s.l.m.) - Le Matine, steppe-like pasture, southern slopes, intensely enlightened, 5(c).
- (103) **Wpk** (N 41°39.620', E 15°44.047', 260 s.l.m.) - Le Matine, vegetation including almonds, olive tree, *Euphorbia* sp., 3(b).
- (104) **Wpk** (N 41°35.316', E 15°47.024', 123 s.l.m.) - Monte Aquilone, steppe-like pasture including species belonging to *Asphodelus*, *Asphodeline*, *Orchids*, Liliaceae, Malvaceae, Euphorbiaceae and *Opuntia ficus-indica*, *Ferulago campestris* (Besser) Grec. Intensely enlightened stand, 6(c).
- (105) **Wpk** (N 41°41.119', E 16°02.687', 409 s.l.m.) - Monte Saraceno, *Pinus pinaster* burnt stand with herbaceous carpet of species belonging to Umbrelliferae, Caryophyllaceae, Leguminosae, *Anagallis*, *Asperula*, *Athamanta*, *Spartium*, *Rosmarinus*, *Scabiosa*, *Sedum*, *Sideritis*, *Silene*, *Vincetoxicum* and dispersed arboreal stands with *Pinus halepensis*, *Pistacia lentiscus* and *Quercus ilex*. Seawind and sea-breezes, 1(b), 1(d).
- (106) **Pt** - Mattinata, *Olea*, *Vitis* and *Citrus* cultivation with insert of *Pinus pinaster*, *Quercus* sp., *Robinia* sp., red bennet, *Spartium* sp., *Opuntia* sp. Est, south-east exposition, sea breezes, 1(b), 2(c), 1(d).
- (107) **Pt** - Monte S. Angelo, suburban wood including *Quercus pubescens* and species belonging to *Acacia*, *Robinia*, *Ailanthus*, *Corylus*, *Ulmus*. North exposition, windy. Notes: stony soil, 2(c), 1(d).
- (108) **Pt** - Monte Acuto, fired pinewood including species belonging to *Pinus*, *Pistacia*, *Sideritis*, *Anagallis*, *Rosmarinus*. East, south-east exposition. Notes: rock clefting soil, 2(c).
- (109) **Wpk** (N 41°23.760', E 15°30.370', 74 s.l.m.) - Bosco Incoronata, oakwood including *Quercus pubescens*, *Ferula* sp., *Asparagus* sp. Planitial exposition in the surroundings of a river. Notes: sandy-loamy soil, 1(b).
- (110) **Wpk** (N 41°23.271', E 15°30.726', 74 s.l.m.) - Bosco Incoronata, *Pinus* forest. Notes: sand soil, 2(b), 2(c).
- (111) **Wpk** (N 41°23.324', E 15°38.978', 61 s.l.m.) - Bosco Incoronata, artificial stand with *Quercus pubescens*, *Eucalyptus* sp., (Uch up to 3.5 m, Ch 15m, Mdi 28 m), 2(c), 2(d).
- (112) **Wpk** (N 41°26.700', E 15°33.708', 65 s.l.m.) - Foggia, Macchia Gialla, vegetation including species belonging to *Acacia*, *Gleditsia*, *Pinus*, *Robinia*, *Sophora*, *Chrysanthemum coronarium*, *Daucus*, *Diplotaxis*, *Erigeron*, *Eruca*, *Euphorbia*, *Ecballium*, *Ferula*, *Papaver*, *Reseda*, *Scandix*, *Sinapis*, *Tragopogon* and *Silybum marianum* (L.) Gaertn. Windy. Notes: calcareous mother-rock, 10(c), 1(d).

The species' list

279 species and varieties belonging to 120 genera and 58 families have been listed in the following pages: for each species protologue, publishing date, citation in published lists, basionym, synonyms and homotypic synonyms (if present), family and division are reported. Also referring databanks are cited and reported with its acronym between commas for every scientific binomial or trinomials. Sampling sites are annotated at the end of every file with the pointer "Loc/s:" followed by an alpha-number which indicates the number of the site (reported on the map, Fig. 1) and a letter between brackets indicates the season during which sampling took place.

Acronyms

Published list: *Sylloge fungorum* (**Sf**), *Petrak's lists* (**Pkl**), *Index of Fungi* (**IF**).

Basionym: the synonym supporting new taxonomic combinations or transfers.

H-Syn: homotypic synonym, obligate synonym.

Syn: more recent synonyms, more than one synonym may be cited if are considered historically outstanding.

Am: Ascomycota.

Bm: Basidiomycota.

Databanks: *Index Fungorum* (**CABI**); *Common Access to Biological Resources and Information* (**CABRI**); *Centraalbureau voor Schimmelcultures, filamentous fungi database* (**CBS**); *National Botanic Garden of Belgium* (**BR**); *Swedish Museum of Natural History* (**SMN**); *Fries as autor - Jens H. Petersen & Morten Christensen, Department of Systematic Botany, Biological Institute, University of Aarhus, Denmark* (**FA**).

Loc/s: location/s of the sampling site.

Agaricus arvensis Schaeff.: Fr., *Fung. Bavar. Palat.* 4: 73, t. 310-311 (1774), CABRI, Sf V: 994; XVI: 1114; XIX: 26; XII: 904, (**H-Syn:** *Pratella arvensis* (Schaeff.) Gillet, 1878, CABI, *Psalliota arvensis* (Schaeff.: Fr.) Gillet, 1878, CABI, *Psalliota campestris* var. *arvensis* (Schaeff.) Cheel, 1913, CABI; **Syn:** *Agaricus arvensis* var. *exquisitus* (Vittad.) Cetto, 1988, CABI, *Phaeomarasmium exquisitus* (Berk.) Raithelh., 1990, CABI, *Agaricaceae*, Bm. **Locs:** 11(b), 17(b), 74(d).

Agaricus bisporus (J.E. Lange) Imbach, *Mitt. Naturf. Ges. Luzern* 15:15 (1946), CBS, IF 2: 71, 257; 3: 545, (**Basionym:** *Psalliota hortensis* var. *bispora* J.E. Lange, 1926, CABI; **Syn:** *Psalliota hortensis* (Cooke) J.E. Lange, 1926, CABI, *Psalliota bispora* (J. E. Lange) F. H. Møller & Jul. Schäff., CABI, 1938, *Agaricus hortensis* (Cooke) Pilát, 1951, CABI, *Agaricus cookeanus* Bon, 1985, CABI), *Agaricaceae*, Bm. **Locs:** 16(b), 36(d).

Agaricus campestris L.: Fr. var. *campestris*, *Sp. Plantarum* 2: 1173 (1753), CABRI, Sf V: 997; IX: 137; XII: 904; XIV: 150; XVI: 113; XIX: 281; XXIII: 296, (**Basionym:** *Agaricus campestris* L., 1753, CABI; **Syn:** *Psalliota flocculosa* Rea, 1932, CABI),

Agaricaceae, Bm. **Locs:** 66(b), 70(b).

Agaricus essettei Bon, *Documents Mycologiques* 13 (no. 49): 56 (1983), CABI, IF 5: 151, 226, *Agaricaceae*, Bm. **Loc:** 20(b).

Agaricus langei (F.H. Møller) F.H. Møller, *Friesia* 4(3): 203 (1952), SMN, IF 2: 71, (**Basionym:** *Psalliota langei* F.H. Møller, 1950, CABI; **Syn:** *Agaricus mediofuscus* (F.H. Møller) Pilát, 1951, CABI, *Agaricus langei* var. *mediofuscus* (F.H. Møller) Wasser, 1978, CABI), *Agaricaceae*, Bm. **Loc:** 69(d).

Agaricus nivescens (F.H. Møller) F.H. Møller, *Friesia* 4(3): 204 (1952), CBS, IF 2: 71, (**Basionym:** *Psalliota nivescens* F.H. Møller, 1952, CABI), *Agaricaceae*, Bm. **Loc:** 7(d).

Amanita battarrae (Boud.) Bon, *Documents Mycologiques* 16 (no. 61): 16 (1985), CABI, IF 5: 518, (**Basionym:** *Amanitopsis battarrae* Boud., 1902, CABI; **Syn:** *Amanita vaginata* var. *battarrae* (Boud.) E.-J. Gilbert, 1918, CABI, *Amanita umbrinolutea* var. *flaccida* D.A. Reid, 1987, CABI, *Amanitopsis vaginata* var. *umbrinolutea* (Secr. ex E.-J. Gilbert) Wasser, 1988, CABI), *Pluteaceae*, Bm. **Loc:** 16(d).

Amanita caesarea (Scop.: Fr.) Pers., *Syn. meth. fung.*: 252 (1801), CABRI, Sf V: 8; XII: 905; XIX: 44, (**Basionym:** *Agaricus caesareus* Scop., 1772, CBS; **Syn:** *Volvoamanita caesarea* (Schaeff.: Fr.) E. Horak, 1968, CABI), *Pluteaceae*, Bm. **Locs:** 8(d), 81(d).

Amanita citrina (Schaeff.) Pers. var. *citrina*, *Tent. disp. meth. Fung.*: 66 (1797), CABI, Sf V: 10, (**Basionym:** *Agaricus citrinus* Schaeff., 1762, CABI; **Syn:** *Amanita citrina* (Schaeff.) Pers., 1797, CABI, *Venenarius mappa* (Batsch) Murrill, 1948, CABI), *Pluteaceae*, Bm. **Loc:** 74(d).

Amanita eliae Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2: 230 (1872), CABI, Sf V: 19; XII: 905; XIX: 47, (**H-Syn:** *Amanitaria eliae* (Quél.) E.-J. Gilbert, 1941, CABI), *Pluteaceae*, Bm. **Loc:** 26(b).

Amanita gemmata (Fr.) Bertill., *Essai Crypt. écorc.* 3: 496 (1866), CBS, Sf XXIII: 5, (**Basionym:** *Agaricus gemmatus* Fr., 1838, CABI; **Syn:** *Amanita gemmata* (Fr.: Fr.) Gillet, 1887, CBS, *Venenarius gemmatus* (Fr.) Murrill, 1948, CBS), *Pluteaceae*, Bm. **Loc:** 11(d).

Amanita lepiotoides Barla, CBS, Sf V: 21; XV: 44, (**H-Syn:** *Amanitopsis lepiotoides* (Barla) Sacc., 1887, CABI, *Amidella lepiotoides* (Barla) E.-J. Gilbert, 1941, CABI), *Pluteaceae*, Bm. **Loc:** 11(d).

Amanita muscaria var. *aureola* Kalchbr., *Icon. Sel. Hymenomyc. Hung.*: 9 (1873), CABI, (**H-Syn:** *Amanita aureola* (Kalchbr.) Sacc., 1887, CABI, *Amanita muscaria* f. *aureola* (Kalchbr.) J.E. Lange, 1915, CABI), *Pluteaceae*, Bm. **Loc:** 69 (c).

- Amanita muscaria* (L.: Fr.) Hook. var. *muscaria*, *Flora Scotica*: 65 (1797), CABRI, Sf V: 13; XII: 906; XIX: 49, (**Basionym**: *Agaricus muscarius* L., 1753, CABI; **Syn**: *Amanita muscaria* (L.: Fr.) Hook., 1797, CABRI, *Amanitaria muscaria* (L.) E.-J. Gilbert, 1941, CABI), *Pluteaceae*, Bm. **Loc**: 14 (d).
- Amanita muscaria* var. *regalis* (Fr.) Sacc., *Syll. fung.* 5: 13 (1887), CBS, Sf V: 13; XIX: 59, (**Basionym**: *Agaricus muscarius* var. *regalis* Fr., 1821, CBS; **Syn**: *Amanita regalis* f. *umbrina* (Fr.) Neville & Poumarat, 2002, CABI), *Pluteaceae*, Bm. **Loc**: 47 (d).
- Amanita ovoidea* (Bull.: Fr.) Link, (1833), Sf V: 8; XII: 906; XIX: 52, FA, CABI, (**Basionym**: *Agaricus ovoideus* Bull., 1788, CABI; **Syn**: *Amidella ovoidea* (Bull.) E. J. Gilbert, 1941, CABI), *Pluteaceae*, Bm. **Locs**: 6(d), 36(d), 73(d), 70(d).
- Amanita pantherina* (DC.: Fr.) Krombh., *Naturgetr. Abbild. Schwämme*: 29 (1846), CABRI, Sf V: 14; XII: 906; XIX: 53, (**Basionym**: *Agaricus pantherinus* DC., 1815, CABI), *Pluteaceae*, Bm. **Loc**: 69(d).
- Amanita phalloides* (Vaill.: Fr.) Link, *Handbuck zur Erkennung der Nutzbarsten und am Häufigsten Vorkommenden Gewächse* 3: 272 (1833), CBS, Sf V: 9; XII: 906; XIX: 54; XXIII: 5, (**Basionym**: *Agaricus phalloides* Vaill.: Fr., 1821, CABI; *Amanitina phalloides* (Vaill.: Fr.) E.-J. Gilbert, 1941, CABI), *Pluteaceae*, Bm. **Loc**: 16(d).
- Amanita rubescens* Pers.: Fr., *Tent. disp. meth. Fung.*: 67 (1797), CABI, Sf V: 16; XII: 906; XIX: 57-58; XXVI: 755, (H-**Syn**: *Agaricus rubescens* (Pers.: Fr.) Fr., 1797, CBS, *Amplariella rubescens* (Pers.) E.-J. Gilbert, 1941, CBS), *Pluteaceae*, Bm. **Loc**: 61(b).
- Amanita spissa* var. *ampla* (Pers.) M.M. Moser, (1953), CABI, IF 2: 229, (**Basionym**: *Agaricus amplus* Pers., 1801, CABI; **Syn**: *Amplariella ampla* (Pers.) E.-J. Gilbert, 1941, CBS), *Pluteaceae*, Bm. **Loc**: 15(d).
- Amanita verna* (Bull.: Fr.) Lam., *Encycl. Méth. Bot.* (Paris) 1: 113 (1783), CABI, Sf V: 10, 67; XII: 906, (**Basionym**: *Agaricus vernus* Bull., 1783, CABI; **Syn**: *Amanitina verna* (Bull.) E.-J. Gilbert, 1941, CABI, *Venenarius vernus* (Bull.) Murrill, 1948, CABI), *Pluteaceae*, Bm. **Loc**: 107(d).
- Armillaria mellea* (Vahl: Fr.) P. Kumm., *Führer Pilzk.*: 134 (1871), CBS, Sf V: 80; XII: 30; XIV: 70; XVI: 19; XIX: 94, (**Basionym**: *Agaricus melleus* Vahl, 1790, CBS; **Syn**: *Armillariella mellea* (Vahl: Fr.) P. Karst, 1881, CBS, *Lepiota mellea* (Vahl) J.E. Lange, 1915, CBS, *Clitocybe mellea* (Vahl) Ricken, 1915, CBS), *Marasmiaceae*, Bm. **Loc**: 86(b).
- Armillaria ostoyae* (Romagn.) Herink, *Symposium o Václavce Obecné Armillaria mellea (Vahl ex Fr.) Kumm.*: 42 (1973), CABI, IF 5: 869, (**Basionym**: *Armillariella ostoyae* Romagn., 1970), *Marasmiaceae*, Bm. **Loc**: 31(d).

- Athelia fibulata* M.P. Christ., *Dansk bot. Ark.* **19**(2):149 (1960), CABI, IF 3: 74, *Atheliaceae*, Bm. **Loc**: 86(c).
- Biscogniauxia mediterranea* (De Not.) Kuntze var. *mediterranea*, *Revis. gen. pl.* 2: 398 (1891), CABI, (**Basionym**: *Sphaeria mediterranea* De Not., 1851, CABI; **Syn**: *Biscogniauxia mediterranea* (De Not.) Kuntze, 1891, CABI, *Numulariola mediterranea* (De Not.) P.M.D. Martin, 1969, CBS), *Xylariaceae*, Am. **Locs**: 24(c), 25(c), 30(b), 32(b), 48(c), 66(b).
- Biscogniauxia nummularia* (Bull.: Fr.) Kuntze, *Revis. gen. pl.* 2: 398 (1891), CBS, (**Basionym**: *Hypoxylon nummularium* Bull., 1790, CABI; **Syn**: *Numulariola nummularia* (Bull.) House, 1925, CBS), *Xylariaceae*, Am. **Locs**: 32(b), 86(b).
- Bjerkandera adusta* (Willd.: Fr) P. Karst., *Meddn Soc. Fauna Flora fenn.* 5: 38 (1879), CABRI, Saccardo's Omissions: 11, (**Basionym**: *Boletus adustus* Willd., 1787, CABI; **Syn**: *Tyromyces adustus* (Willd.) Pouzar, 1966, CABI), *Hapalopilaceae*, Bm. **Loc**: 11(d).
- Boletus appendiculatus* Schaeff., *Fung. Bavar. Palat.* 4: 86, tab. 130 (1763), CBS, Sf VI: 23; XIX: 154; XII: 911, (**H-Syn**: *Tubiporus appendiculatus* (Fr.) Maire, 1937, CABI; **Syn**: *Boletus radicans* Pers.: Fr., 1801, CBS), *Boletaceae*, Bm. **Loc**: 33 (d).
- Boletus aureus* Schaeff., *Fung. Bavar. Palat.* 4: 82 (1774), CABI, Sf VI: 12; XV: 63, (**H-Syn**: *Boletus variegatus* var. *aureus* (Schaeff.) Sacc., CABI; **Syn**: *Boletus luteus* Batsch, 1783, CBS), *Boletaceae*, Bm. **Loc**: 39 (d).
- Boletus chrysenteron* Bull., *Histoire des champignons de la France.* I: 328, (1791), CABI, Sf VI: 8, 14; XII: 912; XXIII: 343; XIX: 157, (**H-Syn**: *Xerocomus chrysenteron* (Bull.) Quél., 1888, CABI; **Syn**: *Boletus communis* Bull., 1789, CABI, *Xerocomus communis* (Bull.) Bon., 1984, CABI), *Boletaceae*, Bm. **Locs**: 37(d), 40(b).
- Boletus edulis* Bull.: Fr., *Herbier de la France* 2: tab. 60 (1782), CABRI, Sf VI: 29; XII: 912; XXIII: 336; XIX: 159, (**H-Syn**: *Dictyopus edulis* (Bull.) Forq., 1890, CABI, *Leccinum edule* (Bull.) Gray, 1821, CABI; **Syn**: *Boletus edulis* var. *arcticus* (Vassilkov) Hlaváček, 1994, CABI), *Boletaceae*, Bm. **Locs**: 35(c), 60(d), 88(c), 107(c).
- Boletus ferrugineus* Schaeff., *Fung. Bavar. Palat.* 1: 85, tab. 4, (1762), CABI, (**H-Syn**: *Xerocomus ferrugineus* (Boud.) Bon, 1985, CABI, *Xerocomus subtomentosus* var. *ferrugineus* (Schaeff.) Krieglst., 1991, CABI; **Syn**: *Boletus citrinovirens* Watling, 1969, CABI), *Boletaceae*, Bm. **Loc**: 40(b).
- Boletus impolitus* Fr., *Epicrisis systematis mycologici*: 421 (1838), CABI, Sf VI: 30; XIX: 164; XII: 913, (**H-Syn**: *Tubiporus impolitus* (Fr.) P. Karst., 1882, CABI, *Leccinum impolitum* (Fr.) Bertault, 1980, CABI), *Boletaceae*, Bm. **Loc**: 40(b).

- Boletus regius* Krombh., *Naturgetr. Abbild. Schwämme* 2: 3 (1832), CABI, Sf VI: 28; XIX: 172; XII: 915, *Boletaceae*, Bm. **Loc:** 34(d).
- Bovista nigrescens* Pers. : Pers., *Neues Mag. Bot.* 1: 86 (1794), SMN, CABI, Sf VII: 97, 99, 473; XII: 917; XIX: 195, (**Syn:** *Lycoperdon globosum* Bolton, 1787), *Lycoperdaceae*, Bm. **Loc:** 34(d).
- Bovista plumbea* Pers. : Pers., *Observ. mycol.* 1: 5 (1796), SMN, CABI, Sf VII: 96-98; XII: 917; XIX: 196, (**Syn:** *Calvatia bovista* (L.) Pers., 1896, CABI), *Lycoperdaceae*, Bm. **Locs:** 86(b), 95(d).
- Bovistella radicata* (Durieu & Mont.) Pat., *Bull. Soc. mycol. Fr.* 15: 55 (1889), CABI, (**Basionym:** *Lycoperdon radicum* Durieu & Mont., 1848, CABI ; **Syn :** *Bovista radicata* (Durieu & Mont.) Vassilkov, 1954, CABI), *Lycoperdaceae*, Bm. **Locs:** 90(b, c ,d), 93(b, c ,d).
- Calocera glossoides* (Pers.: Fr) Fr., *Syst. mycol.:* 67 (1832), FA, CBS, Sf VI: 736; XII: 66, (**Basionym:** *Clavaria glossoides* Pers., 1797, CABI; **Syn:** *Dacryomitra glossoides* (Pers.) Bref., 1888, CABI, *Dacrymyces pusilla* (Tul.) Lapl., 1894, CABI), *Dacrymycetaceae*, Bm. **Loc:** 50(b).
- Calocera viscosa* (Pers.: Fr) Fr., *Stirpes Agri Femsionensis* 5: 67 (1827), CABRI, (**Basionym:** *Clavaria viscosa* Pers., 1794, CABI; **Syn:** *Calocera cavarae* Bres. & Cavara, 1896, CABI, *Calocera viscosa* var. *cavarae* (Bres.) McNabb, 1965, CABI), *Dacrymycetaceae*, Bm. **Loc:** 50(b).
- Calocybe gambosa* (Fr.: Fr.) Donk, *Nova Hedwigia*, Beihefte 5: 43 (1962), CBS, IF 3: 174, (**Basionym:** *Agaricus gambosus* Fr., 1821 ; **Syn :** *Calocybe georgii* var. *gambosa* (Fr.) Kalamees, 1994, CABI), *Tricholomataceae*, Bm. **Locs :** 33(d), 37(d).
- Cantharellus cibarius* (Fr.) Quél. var. *cibarius*, *Fl. Mycol. France:* 37 (1888), CABI, Sf V: 482; XII: 918; XXI: 103; XXIII: 142; XVII: 34; XIX: 223, (**Basionym:** *Cantharellus cibarius* Fr., 1821, CBS; **Syn:** *Cantharellus cibarius* (Fr.) Quél., 1888, CABI, *Cantharellus neglectus* (Souché) Eyssart. & Buyck, 2000, CABI), *Cantharellaceae*, Bm. **Locs:** 16(d), 52(b), 88(c), 107(c).
- Cantharellus cibarius* var. *ferruginascens* (P.D. Orton) Courtec., *Documents Mycologiques* 23 (no. 91): 3 (1993), CABI, IF 6: 423, (**Basionym:** *Cantharellus ferruginascens* P.D. Orton, 1969, CABI), *Cantharellaceae*, Bm. **Loc:** 88(c).
- Chlorophyllum rhacodes* (Vittad.) Vellinga, *Mycotaxon* 83: 416 (2002), CABI, IF 7: 415, (**Basionym:** *Agaricus rhacodes* Vittad., 1835; **Syn:** *Macrolepiota rhacodes* (Vittad.) Singer var. *rhacodes*, 1951, CABI, *Macrolepiota venenata* Bon, 1979), *Agaricaceae*, Bm. **Locs:** 26(c), 85(c).

- Chondrostereum purpureum* (Pers.: Fr.) Pouzar, *Ceská Mykol.* 13: 17 (1959), CABRI, IF 2: 505, (**Basionym:** *Stereum purpureum* Pers., 1794, CBS; **Syn:** *Phylacteria micheneri* (Berk. & M.A. Curtis) Pat., 1900, CABI), *Meruliaceae*, Bm. **Loc:** 101(c).
- Chroogomphus rutilus* (Schaeff.: Fr.) O.K. Mill., *Mycologia* 56 (4): 543 (1964), SMN, CABI, IF 3: 299, (**Basionym:** *Agaricus rutilus* Schaeff., 1774, CABI; **Syn:** *Gomphidius rutilus* (Schaeff.: Fr.) S. Lundell, 1937, CABI, *Chroogomphus rutilus* var. *corallinus* (O.K. Mill. & Watling) Watling, 2004, CABI), *Gomphidiaceae*, Bm. **Locs:** 37(b), 41(d).
- Clathrus ruber* P. Micheli ex Pers., *Syn. meth. fung.*: 241, (1801), CBS, Sf VII: 19; XV: 91, (**Syn:** *Clathrus cancellatus* Tourn. ex Fr., 1823, CABI), *Phallaceae*, Bm. **Locs:** 17(c), 57(c).
- Clavaria fragilis* Holmsk.: Fr., *Beata ruris otia fungis Danicis* 1: 7 (1790), BR, CABI, Sf VI: 721; XII: 922; XIX: 322, (**Syn:** *Clavaria vermicularis* var. *gracilis* Bourdot & Galzin, 1928, CABI, *Clavulinopsis corynoides* (Peck) Corner, 1970, CBS), *Clavariaceae*, Bm. **Loc:** 50(b).
- Clavariadelphus ligula* (Schaeff.: Fr.) Donk, *Rev. Niederl. Homob. Aphyll.* 2: 73 (1933), FA, CABI, Pkl vol. 7, (**Basionym:** *Clavaria ligula* Schaeff., 1774, CABI), *Gomphaceae*, Bm. **Locs:** 15(d), 50(d).
- Clavariadelphus pistillaris* (L.: Fr.) Donk, *Meded. Bot. Mus. Herb. Rijks Univ. Utrecht* 2: 72 (1933), FA, CABI, Pkl vol. 7, (**Basionym:** *Clavaria pistillaris* L., 1753, CABI), *Gomphaceae*, Bm. **Loc:** 51(d).
- Clavariadelphus truncatus* (Quél.) Donk, *Meded. Bot. Mus. Herb. Rijks Univ. Utrecht* 9: 73 (1933), CABI, Pkl vol. 7, (**Basionym:** *Clavaria truncata* Quél., 1886, CABI; **Syn:** *Clavariadelphus borealis* V. L. Wells & Kempton, 1968, CABI), *Gomphaceae*, Bm. **Loc:** 15(d).
- Clavulina coralloides* (L.: Fr.) J. Schröt., *Krypt.-Fl. Schlesien*, 3(1): 443 (1888), CABI, IF 5: 748, (**Basionym:** *Clavaria coralloides* L., 1753, CABI; **Syn:** *Clavulina coralloides* f. *cristata* (Holmsk.) Franchi & M. Marchetti, 2000, CABI, *Clavulina coralloides* f. *subrugosa* (Corner) Franchi & M. Marchetti, 2000, CABI), *Clavulinaceae*, Bm. **Loc:** 15(d).
- Clavulina cinerea* (Bull.: Fr.) J. Schröt. f. *cinerea*, *Krypt.-Fl. Schlesien* 3(1): 442 (1888), FA, CABI, IF 5: 747, (**Basionym:** *Clavaria cinerea* Bull., 1788, CABI; **Syn:** *Ramaria cinerea* (Bull.) Gray, 1821, CABI, *Clavulina cinerea* (Bull.: Fr.) J. Schröt., 1888, CABI, *Clavulina cinerea* var. *gracilis* (Rea) Corner, 1950, CABI), *Clavulinaceae*, Bm. **Loc:** 26(d).
- Clavulina rugosa* (Bull.: Fr.) J. Schröt., *Krypt.-Fl. Schlesien*: 442 (1888), FA, CABI,

- (**Basionym:** *Clavaria rugosa* Bull., 1790, CABI; **Syn:** *Clavulina herveyi* (Peck) R. H. Petersen, 1967, CABI), *Clavulinaceae*, Bm. **Loc:** 96(d).
- Clavulinopsis helvola* (Pers.: Fr.) Corner, *Monograph of Clavaria and Allied Genera, Annals of Botany Memoirs No. 1:* 372 (1950), CABI, IF 2: 19, (**Basionym:** *Clavaria helvola* Pers., 1797, CABI; **Syn:** *Ramariopsis helvola* (Pers.: Fr.) R. H. Petersen, 1978, CABI); *Clavariaceae*, Bm. **Loc:** 15(d).
- Clavulinopsis luteoalba* (Rea) Corner, *Monograph of Clavaria and Allied Genera, Annals of Botany Memoirs No. 1:* 374 (1950), CABI, IF 2: 19, (**Basionym:** *Clavaria luteoalba* Rea, 1903, CABI; **Syn:** *Clavulinopsis filipes* Corner, 1950, CABI), *Clavariaceae*, Bm. **Loc:** 15(d).
- Clitocybe amoenolens* Malençon (1975), CABI, IF 4: 404, *Tricholomataceae*, Bm. **Loc:** 15(d).
- Clitocybe geotropa* (Bull.) Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2 **2**(5): 89 (1872), CABI, Sf V: 171; XII: 927; XIX: 343, (**Basionym:** *Agaricus geotropus* Bull., 1972, CABI; **Syn:** *Agaricus pileolarius* Sowerby, 1797, CABI), *Tricholomataceae*, Bm. **Loc:** 37(d).
- Clitocybe nebularis* (Batsch: Fr.) P. Kumm., *Elenchus fungorum, continuatio prima:* xxviii, 122 (1857), CBS, Sf V: 142; XIX: 348; XXIII: 62; XII: 927, (**Basionym:** *Agaricus nebularis* Batsch, 1789, CABI; **Syn:** *Lepista nebularis* (Fr.) Harmaja, 1974, CBS), *Tricholomataceae*, Bm. **Loc:** 47(d).
- Clitocybe odora* (Bull.: Fr.) P. Kumm., *Führer Pilzk.:* 121 (1871), CBS, Sf V: 153; XII: 928; XXIII: 47; XIX: 349, (**Basionym:** *Agaricus odoratus* Bull., 1784, CBS; **Syn:** *Lepista odora* (Bull.) Harmaja, 1976, CABI), *Tricholomataceae*, Bm. **Loc:** 11(d).
- Clitopilus prunulus* (Scop.: Fr.) P. Kumm., *Führer Pilzk.:* 23, 96 (1871), CBS, Sf V: 699; XII: 930; XIX: 358, (**Basionym:** *Agaricus prunulus* Scop., 1772, CABI; **Syn:** *Paxillopsis prunulus* (Scop. : Fr.) J.E. Lange, 1940, CABI), *Entolomataceae*, Bm. **Loc:** 9(d).
- Coprinus atramentarius* (Bull.: Fr.) Fr., *Epicrisis systematis mycologici:* 243 (1838), FA, CABI, Sf V: 1081; XII: 934; XIX: 402, (**Basionym:** *Agaricus atramentarius* Bull., 1786, CABI; **Syn:** *Coprinopsis atramentaria* (Bull.) Redhead, Vilgalys & Moncalvo, 2001, CABI), *Coprinaceae*, Bm. **Loc:** 30(d).
- Coprinus comatus* (O.F. Müll.: Fr.) Pers., *Tent. disp. meth. Fung.:* 62 (1797), FA, CBS, Sf V: 1079; XII: 879, 934; XIV: 159; XVI: 129; XIX: 404, (**Basionym:** *Agaricus comatus* O. F. Müll., 1767, CABI; **Syn:** *Coprinus comatus* var. *caprimammillatus* Bogart, 1975, CABI), *Coprinaceae*, Bm. **Locs:** 13(b), 15(d), 16(b), 26(d), 27(d), 33(d), 37(d), 42(b), 64(d), 69(c), 100(d), 106(b, c, d).

- Coprinus disseminatus* (Pers.: Fr.) Gray, *Nat. Arr. Brit. Pl.* 1: 634 (1821), CBS, (**Basionym:** *Agaricus disseminatus* Pers., 1801, CABI; **Syn:** *Pseudocoprinus disseminatus* (Pers.) Kühner, 1928, CBS, *Coprinellus disseminatus* (Pers.) J.E. Lange, 1938, CBS) *Coprinaceae*, Bm. **Loc:** 9(d).
- Coprinus lagopus* (Fr. : Fr.) Fr. *Epicrisis systematis mycologici:* 250 (1838), FA, CABI, Sf V: 1098; XII: 935; XV: 98, (**Basionym:** *Agaricus lagopus* Fr., 1821, CBS), *Coprinaceae*, Bm. **Loc:** 38(d).
- Coprinus micaceus* (Bull.: Fr.) Fr., *Epicrisis systematis mycologici:* 247 (1838), FA, CABI, Sf V: 1090; XII: 132, 935; XIX: 410, (**Basionym:** *Agaricus micaceus* Bull., 1786, CABI; **Syn:** *Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson, 2001, CABI), *Coprinaceae*, Bm. **Loc:** 24(b).
- Corticium salmonicolor* Berk. & Broome (1873), *J. Linn. Soc. Bot.* 14(2): 71, CABI, Sf VI: 620; XII: 139, (**H-Syn:** *Terana salmonicolor* (Berk. & Broome) Kuntze, 1891, CABI, *Pellicularia salmonicolor* (Berk. & Broome) Dastur, 1946, CABI, *Botryobasidium salmonicolor* (Berk. & Broome) Venkatar., 1950, CABI, *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, 1975, CABI, *Erythricium salmonicolor* (Berk. & Broome) Burds., 1985, CABI), *Corticaceae*, Bm. **Loc:** 106(c).
- Cortinarius amoenolens* Rob. Henry ex P. D. Orton, *Trans. Br. mycol. Soc.* 43(2): 206 (1960), CABI, IF 3: 39, (**H-Syn:** *Phlegmacium amoenolens* (Rob. Henry ex P. D. Orton) M. M. Moser, 1960 CABI) *Cortinariaceae*, Bm. **Loc:** 15(d).
- Cortinarius atrovirens* Kalchbr., *Ges. naturf. Freunde, Berlin* 2: tab.19 (1874), CABI, Sf V: 909; XIX: 442; XII: 937, *Cortinariaceae*, Bm. **Loc:** 106(d).
- Cortinarius evernius* (Fr.) Fr., *Epicrisis systematis mycologici:* 294 (1838), CABI, Sf V: 951; XIX: 452; XII: 939, (**Basionym:** *Agaricus evernius* Fr., 1818, CABI; **Syn:** *Hydrocybe evernia* (Fr.) M.M. Moser, 1953, CABI, *Cortinarius evernius* var. *fragrans* M.M. Moser, 1986, CABI), *Cortinariaceae*, Bm. **Locs:** 9(d), 81(d).
- Cortinarius ionochlorus* Maire, 1937, CBS, *Cortinariaceae*, Bm. **Loc:** 81(b).
- Cortinarius odoratus* (M.M. Moser) M.M. Moser, *Kleine Kryptogamenflora:* 306 (1967), CABI, IF 3: 435, (**Basionym:** *Phlegmacium odoratum* Joquet ex M.M. Moser, 1960, CABI), *Cortinariaceae*, Bm. **Loc:** 21(d).
- Cortinarius traganus* (Fr.) Fr., *Epicrisis systematis mycologici:* 281 (1838), CABI, Sf V: 929; XII: 944; XIX: 469, (**Basionym:** *Agaricus traganus* Fr., 1818, CABI; **Syn:** *Phlegmacium traganum* (Fr.: Fr.) M.M. Moser, 1953, CABI), *Cortinariaceae*, Bm. **Loc:** 68(d).
- Craterellus cornucopioides* (L.: Fr.) Pers., *Mycol. eur.* 2: 5 (1825), FA, CABI, Sf VI: 515;

- XII: 945; XIX: 478, (**Basionym:** *Peziza cornucopioides* L., 1753, CABI; **Syn:** *Craterellus ochrospor* Burt, 1914, CABI), *Cantharellaceae*, Bm. **Loc:** 43(d).
- Crepidotus applanatus* (Pers.) P. Kumm., *Führer Pilzk.*: 74 (1871), CABI, Sf V: 878; XI: 63; XII: 143; XIX: 484; XXIII: 287, (**Basionym:** *Agaricus applanatus* Pers., 1976, CABI; **Syn:** *Agaricus putrigenus* Berk. & M.A. Curtis, 1859, *Crepidotus putrigenus* Berk. & M.A. Curtis, 1887, CABI), *Cortinariaceae*, Bm. **Loc:** 68(d).
- Cucurbitaria laburni* (Pers.: Fr.) Ces. & De Not., *Erbario Crittogamico Italiano*: no. 875 (1862), CABRI, Sf II: 308, 321; III: 68, 460; XII: 152; XIX: 505, (**Basionym:** *Sphaeria laburni* Pers., 1796, CABI; **Syn:** *Camarosporium laburni* (Westend.) Sacc., 1892, CABI), *Cucurbitariaceae*, Am. **Locs:** 68(d), 69(c, d).
- Cystoderma amianthinum* (Scop.: Fr.) Fayod, *Annl. Sci. Nat., Bot.* 9: 351 (1889), CBS, (**Basionym:** *Agaricus amianthinus* Scop., 1772, CABI; **Syn:** *Lepiota amianthina* (Scop.: Fr.) P. Karst., 1879, CBS), *Tricholomataceae*, Bm. **Loc:** 57(c).
- Daldinia concentrica* (Bolton: Fr.) Ces. & De Not., *Comm. Soc. crittog. Ital.* 1: 197 (1863), CBS, Sf I: 393; XIX: 542; XII: 172, (**Basionym:** *Sphaeria concentrica* Bolton, 1792, CABI; **Syn:** *Hemisphaeria concentrica* (Bolton) Klotzsch, 1843, CBS), *Xylariaceae*, Am. **Loc:** 13(d).
- Daedalea quercina* (L.) Pers., *Syn. meth. fung.*: 500 (1801), CABI, Sf VI: 370; X: 747; XII: 171; XIX: 540; XXIII: 177, 451, (**Basionym:** *Agaricus quercinus* L., 1753, CABI; **Syn:** *Daedalea quercina* f. *hexagonoides* (Fr.) Bondartsev, 1953, CABI), *Fomitopsidaceae*, Bm. **Loc:** 109(b).
- Diatrype bullata* (Hoffm.: Fr.) Fr., *Summa veg. Scand.*: 385 (1849), CBS, Sf I: 192; XIX: 575; XII: 191, (**Basionym:** *Sphaeria bullata* Hoffm., 1787, CBS; **Syn:** *Hypoxyylon bullatum* (Hoffm.: Fr.) Westend. & Wallays, 1850, CABI), *Diatrypaceae*, Am. **Loc:** 68(d).
- Diatrype stigma* (Hoffm.: Fr.) Fr., *Summa veg. Scand.*: 385 (1849), CABRI, Sf I: 193; II: 233; XXIV: 737; XII: 193; XIX: 577, (**Basionym:** *Sphaeria stigma* Hoffm., 1787, CABI; **Syn:** *Hypoxyylon stigma* (Hoffm.: Fr.) J. Kickx f., 1835, CABI), *Diatrypaceae*, Am. **Locs:** 68(d), 81(d).
- Dichomitus campestris* (Quél.) Domanski & Orlicz, *Acta Soc. Bot. Pol.* 35: 627 (1966), CABI, IF 3: 435, (**Basionym:** *Trametes campestris* Quél., 1872, CABI; **Syn:** *Polyporus campestris* (Quél.) Krieglst., 1999, CABI, *Favolus campestris* (Quél.) Zmitr., 2001, CABI), *Polyporaceae*, Bm. **Loc:** 7(d), 16(d).
- Dumontinia tuberosa* (Bull.: Fr.) L.M. Kohn, *Mycotaxon* 9(2): 432 (1979), CBS, IF 4: 624, (**Basionym:** *Peziza tuberosa* Bull., 1791, CABI; **Syn:** *Hymenoscyphus tuberosus* (Bull.) W. Phillips, 1887, CABI), *Sclerotiniaceae*, Am. **Loc:** 5(c).

- Flavoscypha cantharella* (Fr.) Harmaja, *Karstenia* 14: 107 (1974), CABI, IF 4: 275, (**Basionym**: *Peziza cantharella* Fr., 1822, CABI; **Syn**: *Otidea concinna* (Pers.) Sacc., 1889, CABI), *Pyronemataceae*, Am. **Loc**: 49(d).
- Fomes fomentarius* (L.: Fr.) J. J. Kickx, *Fl. Crypt. Flandres*: 237 (1867), CABRI, Sf VI: 179; XII: 250; XIX: 710, (**Basionym**: *Boletus fomentarius* L., 1753, CABI; **Syn**: *Pyropolyporus fomentarius* (L.) Teng, 1963, CABI), *Polyporaceae*, Bm. **Locs**: 13(d), 46(b, d), 47(b, d), 48(b, c, d), 49(c), 51(c), 53(d), 54(d).
- Fomitopsis pinicola* (Sw.: Fr.) P. Karst., *Meddn Soc. Fauna Flora fenn.* 6: 9 (1881), CABRI, Saccardo's Omissions: 26, (**Basionym**: *Boletus pinicola* Sw., 1810, CABI; **Syn**: *Fomes pinicola* (Sw.: Fr.) Fr., 1810, CABI, *Ungulina marginata* (Fr.) Pat., 1900, CABI, *Fomes pinicola* var. *marginatus* (Pers.) Overh., 1953, CABI), *Fomitopsidaceae*, Bm. **Locs**: 34(c), 38(d), 39(c), 55(c), 56(c), 60(c).
- Fomitiporia mediterranea* M. Fisch., *Mycol. Progress* 1(3): 321 (2002), CBS, IF 7: 494, *Hymenochaetaceae*, Bm. **Loc**: 62(c).
- Galerina marginata* (Batsch : Fr.) Kühner, *Encyclop. Mycol.* 7: 225 (1935), CBS, Pk1 Suppl., (**Basionym**: *Agaricus marginatus* Batsch, 1789; **Syn**: *Galerina autumnalis* (Peck) A.H. Sm. & Singer, 1964, CABI, *Psilocybe marginata* (Pers.: Fr.) Noordel., 1995, CABI), *Cortinariaceae*, Bm. **Loc**: 38(d).
- Ganoderma adpersum* (Schulzer) Donk, *Flora, Morphologie, Geobotanik, Oekophysiologie* 61: 11 (1878), CABI, IF 4: 8, (**Basionym**: *Polyporus adpersus* Schulzer, 1878, CABI; **Syn**: *Elfvingia australis* (Fr.) G. Cunn., 1965, CABI), *Ganodermataceae*, Bm. **Loc**: 111(c).
- Ganoderma applanatum* (Pers.) Pat., *Hyménomyc. Eur.*: 143 (1887), CABI, Sf XXVI: 711, (**Basionym**: *Boletus applanatus* Pers., 1800, CABI; **Syn**: *Polyporus subganodermicus* (Lázaro Ibiza) Sacc. & Trotter, 1925, CABI, *Agaricus lipsiensis* (Batsch) E.H.L. Krause, 1932, CABI), *Ganodermataceae*, Bm. **Locs**: 91(b), 92(b, c).
- Ganoderma lucidum* (Curtis: Fr.) P. Karst., *Revue mycol.*, Toulouse 3(9): 17 (1881), CABRI, Sf XXI: 301, (**Basionym**: *Boletus lucidus* Curtis, 1781; **Syn**: *Ganoderma japonicum* (Fr.) Sawada 1931, CABI, *Ganoderma applanatum* f. *laccatum* (Kalchbr. & Wettst.) Golovin, 1956, CABI), *Ganodermataceae*, Bm. **Loc**: 111(c, d).
- Ganoderma resinaceum* Boud., *Bull. Soc. mycol. Fr.* 5: 72 (1889), CBS, Sf IX: 179; XV: 148 (**H-Syn** : *Fomes resinaceus* (Boud.) Sacc., 1891, CABI, *Scindalma resinaceum* (Boud.) Kuntze, 1898, CABI, *Friesia resinacea* (Boud.) Lázaro Ibiza, 1916, CABI, *Ganoderma lucidum* subsp. *resinaceum* (Boud.) Bourdot & Galzin, 1925, CABI ; **Syn**: *Ganoderma subtuberculosum* Murrill, 1945, CBS), *Ganodermataceae*, Bm. **Loc**: 3(c).
- Geastrum pectinatum* Pers. : Pers., *Syn. meth. fung.*: 132 (1801), CABI, Sf VII: 77; XV:

- 148, (**Syn:** *Geastrum plicatum* Berk., 1839, CABI, *Geastrum tenuipes* Berk., 1848, CABI), *Geastraceae*, Bm. **Loc:** 14(d).
- Geastrum triplex* Jungh., *Tijdschr. Nat. Gesch. Physiol.* 7: 287 (1840), CABI, Sf VII: 74; XII: 955; XIX: 754, (**Syn:** *Geastrum michelianum* W. G. Sm., 1873, CABI), *Geastraceae*, Bm. **Loc:** 16(d).
- Gymnopilus junonius* (Fr.: Fr.) P.D. Orton, *Trans. Br. mycol. Soc.* 43(2): 176 (1960), CBS, IF 3: 44, (**Basionym:** *Agaricus junonius* Fr., 1821, CBS; **Syn:** *Pholiota spectabilis* var. *junonia* (Fr.) J. E. Lange, 1940, CBS), *Cortinariaceae*, Bm. **Loc:** 59(d).
- Handkea excipuliformis* (Scop.) Kreisel, *Nova Hedwigia* 48 (3-4): 283 (1989), CABI, IF 5: 963, (**Basionym:** *Lycoperdon polymorphum* var. *excipuliforme* Scop., 1772; **Syn:** *Calvatia excipuliformis* (Scop.: Pers.) Perdeck, 1950, CBS, *Calvatia excipuliformis* f. *elata* (Masse) Kreisel, 1962, CABI), *Lycoperdaceae*, Bm. **Loc:** 76(a).
- Hebeloma sinapizans* (Fr.) Sacc., *Syll. fung.* 5: 799 (1887), IF, Sf V: 799; XII: 959; XIX: 822, CABI, (**Basionym:** *Agaricus synapizans* Fr., 1838, CABI; **Syn:** *Hypophyllum sinapizans* Paulet, 1793, CABI), *Bolbitiaceae*, Bm. **Loc:** 68(d).
- Helvella monachella* (Scop.) Fr., *Syst. mycol.* 2(1): 18 (1822), CABI, Sf VIII: 22; XII: 960; XIX: 849; XX: 1249, (**Basionym:** *Phallus monachella* Scop., 1772, CABI), *Helvellaceae*, Am. **Loc:** 100(d).
- Helvella atra* J. König, *Fl. Islandica*: 20 (1770), CBS, Sf VIII: 27; XII: 960; XIX: 843, (**H-Syn:** *Leptopodia atra* (J. König) Boud., 1907, CBS), *Helvellaceae*, Am. **Loc:** 9(d).
- Helvella lacunosa* Afzel.: Fr., *Kongl. Vetensk. Acad. Nya Handl.* 4: 303 (1783), CABRI, Sf VIII: 19; XII: 960; XVIII: 4; XIX: 847; XX: 1249, (**H-Syn:** *Costapeda lacunosa* (Afzel.) Falek {?}, 1923, CABI; **Syn:** *Helvella cinerea* (Bres.) Rea, 1928, CABI, *Helvella lacunosa* var. *sulcata* (Afzel.) S. Imai, 1954), *Helvellaceae*, Am. **Locs:** 22(d), 24(d).
- Helvella fusca* Gillet, *Discom.*:9 (1879), CABI, Sf VIII: 20; XII: 960; XIX: 846, *Helvellaceae*, Am. **Loc:** 15(b, d).
- Helvella silvicola* (Beck ex Sacc.) Harmaja, (1974), *Karstenia* 14: 103, CABI, IF 4: 277, (**Basionym:** *Otidea silvicola* Beck, CABI; **Syn:** *Wynnella silvicola* (Beck) Nannf., 1966, CABI), *Helvellaceae*, Am. **Loc:** 15(b, d).
- Hericium clathroides* (Pall.: Fr.) Pers., *Comment. Fungis Clavaeform:* 23 (1797), BR, CABI, (**Basionym:** *Hydnum clathroides* Pall., 1773, CABI; **Syn:** *Dryodon clathroides* (Pall.) P. Karst., 1882, CABI, *Manina coralloides* (Scop.) Banker, 1912, CBS), *Hericiaceae*, Bm. **Loc:** 48(d).

- Hirneola auricula-judae* (Bull.: Fr.) Berk., *Outl. Brit. Fung.*: 289 (1860), CBS, Saccardo's Omissions: 10, (**Basionym**: *Tremella auricula-judae* Bull., 1789, CBS ; **Syn**: *Auricularia auricula-judae* (Bull.: Fr.) J. Schröt., 1888, CBS, *Hirneola auricula-judae* var. *lactea* (Quél.) D.A. Reid, 1970, CABI), *Auriculariaceae*, Bm. **Loc**: 96(c).
- Hydnum repandum* L.: Fr., *Sp. Plantarum*: 1178 (1753), FA, CABI, Sf VI: 435; XII: 965; XIX: 899; XX: 1253 (**H-Syn**: *Hypothele repanda* (L.) Paulet, 1812, CABI, *Dentinum repandum* (L.: Fr.) Gray, 1821, CABI, *Sarcodon repandus* (L.) Quél., 1886, CABI, *Tyrodon repandus* (L.) P. Karst., 1881, CABI ; **Syn**: *Sarcodon abietinus* R. Heim, 1943, CABI), *Hydnaceae*, Bm. **Loc**: 28(d).
- Hydnum rufescens* Pers. : Fr., *Observ. mycol.* 2: 95 (1799), CABI, Sf VI: 436; XII: 965; XIX: 901; XX: 1253, (**H-Syn**: *Hydnum repandum* var. *rufescens* (Pers.) Barla, 1859, CABI, *Tyrodon rufescens* (Pers.) P. Karst., 1889, CABI, *Dentinum rufescens* (Pers.) Pouzar, 1956, CABI, *Hydnum repandum* f. *rufescens* (Pers.) Nikol., 1961, CABI), *Hydnaceae*, Bm. **Loc**: 28(d).
- Hygrocybe conica* (Schaeff.: Fr.) P. Kumm. var. *conica*, *Führer Pilzk.* : 111 (1871), CBS, (**Basionym**: *Agaricus conicus* Schaeff., 1774, CABI; **Syn**: *Hygrocybe conica* (Schaeff.: Fr.) P. Kumm., 1871, CBS, *Hygrocybe conica* f. *pseudoconica* (J.E. Lange) Arnolds, 1985, CABI, *Hygrocybe conica* var. *chloroides* (Malençon) Bon, 1985, CABI, *Hygrocybe chloroides* (Malençon) Kovalenko, 1989, CABI, *Hygrocybe cinereifolia* Courtec. & Priou, 1992, CABI), *Tricholomataceae*, Bm. **Loc**: 34(d).
- Hygrocybe coccinea* (Schaeff.: Fr.) P. Kumm., *Führer Pilzk.*: 112 (1871), CBS, (**Basionym**: *Agaricus coccineus* Schaeff., 1774, CBS; **Syn**: *Hygrophorus coccineus* (Schaeff. : Fr.) Fr., 1838, CABI; *Hygrocybe coccinea* var. *umbonata* Herink, 1958), *Tricholomataceae*, Bm. **Locs**: 47(b), 95(d), 107(d).
- Hygrocybe psittacina* (Schaeff.: Fr.) P. Kumm. var. *psittacina*, *Führer Pilzk.*: 112 (1871), CBS, (**Basionym**: *Agaricus psittacinus* Schaeff., 1774, CABI ; **Syn**: *Hygrocybe psittacina* (Schaeff.: Fr.) P. Kumm., 1871, CBS, *Gliophorus psittacinus* (Schaeff. : Fr.) Herink, 1958, CABI), *Tricholomataceae*, Bm. **Loc**: 34(d).
- Hygrophorus agathosmus* (Fr.) Fr., *Epicrisis systematis mycologici*: 325, (1838), CABI, Sf V: 397; XII: 966; XIX: 905; XX: 1254, (**Basionym**: *Agaricus agathosmus* Fr., 1815, CABI; **Syn**: *Hygrophorus agathosmus* var. *aureofloccosus* (Bres.) A. Pearson & Dennis, 1948, CABI), *Tricholomataceae*, Bm. **Loc**: 41(d).
- Hygrophorus discoxanthus* (Fr.) Rea, *Trans. Br. mycol. Soc.* 3(1): 45 (1908), CBS, Sf XIX: 909, (**Syn**: *Hygrophorus chrysaspis* Métrod, 1938, CABI, *Hygrophorus discoxanthus* var. *chrysaspis* (Métrod) Bon, 1989, CABI), *Tricholomataceae*, Bm. **Loc**: 49(b).
- Hygrophorus hedrychii* (Velen.) K. Kult, *?eská Mykol.* 10: 232 (1956), CBS, IF 2: 345, (**Basionym**: *Limacium hedrychii* Velen., 1920, CABI), *Tricholomataceae*, Bm. **Loc**:

48(d).

Hygrophorus lucorum Kalchbr., *Icon. Sel. Hymenomyc. Hung.*: 35 (1874), CABI, Sf V: 394; XII: 968; XIX: 913; XX: 1254, (**Syn:** *Tricholoma luteocitrinum* Rea, 1908, CABI), *Tricholomataceae*, Bm. **Loc:** 48(d).

Hygrophorus penarius Fr., *Anteckn. Sver. Ätl. Svamp.*: 45 (1836), CABI, Sf V: 389; XII: 968; XIX: 915; XX: 1255, *Tricholomataceae*, Bm. **Loc:** 36(d).

Hygrophorus persicolor Ricek, 1974, CABI, IF 4: 277, (**H-Syn:** *Hygrophorus erubescens* var. *persicolor* (Rick) Bon, 1977, CABI), *Tricholomataceae*, Bm. **Locs:** 37(d), 44(d).

Hygrophorus pudorinus (Fr.) Fr., *Anteckn. Sver. Ätl. Svamp.*: 46 (1836), CABI, Sf V: 95, 391; XII: 968; XIX: 917; XX: 1255, (**Basionym:** *Agaricus pudorinus* Fr., 1821, CABI), *Tricholomataceae*, Bm. **Loc:** 106(d).

Hygrophorus russula (Schaeff.: Fr.) Quél., *Publications Mich. geol. biol. Surv., Biol. Ser.* 5 26: 185 (1918), BR, FA, Saccardo's Omissions: 32, (**Basionym:** *Agaricus russula* Schaeff., 1774, CABI; **Syn:** *Tricholoma russula* (Schaeff.) Fr., 1874, CABI), *Tricholomataceae*, Bm. **Loc:** 33 (a, d).

Hygrophorus eburneus (Bull.: Fr.) Fr. var. *eburneus*, *Epicrisis systematis mycologici*: 321 (1838), CBS, Sf V: 388; XII: 967; XIX: 909; XX: 1254, (**Basionym:** *Agaricus eburneus* Bull., 1783, CABI; **Syn:** *Gymnopus eburneus* (Bull.) Gray, 1821, CABI; *Hygrophorus eburneus* (Bull.: Fr.) Fr., 1838, CBS), *Tricholomataceae*, Bm. **Loc:** 52(d).

Hymenochaete tabacina (Sowerby: Fr.) Lév., *Anns Sci. Nat., Bot.* 5: 145 (1846) CABRI, Sf VI: 590; XII: 321; XIX: 922; XX: 1255; XXIII: 480, 509, 530, (**Basionym:** *Auricularia tabacina* Sowerby, 1797, CABI; **Syn:** *Pseudochaete tabacina* (Sowerby) T. Wagner & M. Fisch., 2002, CABI), *Hymenochaetaceae*, Bm. **Locs:** 23(b), 24(b).

Hymenoscyphus calyculus (Sowerby: Fr.) W. Phillips, *British Discomycetes*: 136 (1887) CBS, (**Basionym:** *Peziza calyculus* Sowerby, 1797, CABI; **Syn:** *Hymenoscyphus conscriptus* (P. Karst.) Korf ex Kobayasi, Hirats. f., Aoshima, Korf, Soneda, Tubaki & Sugiy., 1967, CABI), *Helotiaceae*, Am. **Loc:** 51(d).

Hypholoma fasciculare (Huds.: Fr.) P. Kumm., *Führer Pilzk.*: 72, (1871), CABRI, Sf V: 83, 1029; XII: 323, 970; XIX: 930; XX: 1256, (**Basionym:** *Agaricus fascicularis* Huds., 1778, CABI; **Syn:** *Psilocybe fasciculare* (Huds.) Kühner, 1980, CABI), *Strophariaceae*, Bm. **Loc:** 5(a, b).

Hypholoma sublateritium (Schaeff.) Quél., *Mém. Soc. Émul. Montbéliard, Sér. 2* 5: 113 (1873), CABI, Sf V: 1028; XII: 324; XIX: 934; XX: 1256; XXIII: 310, (**Basionym:** *Agaricus sublateritius* Schaeff., CABI; **Syn:** *Dryophila sublateritia* (Schaeff.) Quél., 1888, CABI), *Strophariaceae*, Bm. **Loc:** 4(c).

- Hypoxylon cohaerens* (Pers.: Fr.) Fr. var. *cohaerens*, *Summa veg. Scand.* 2: 384 (1849), CABRI, Sf I: 361; II: xxii; XVII: 611; IX: 562; XII: 334; XIX: 954, (**Basionym:** *Sphaeria cohaerens* Pers. 1794, CABI; **Syn:** *Hypoxylon cohaerens* (Pers.: Fr.) Fr., 1849, CABRI, *Hypoxylon turbinulatum* (Schwein.) Berk., 1879, CABI), *Xylariaceae*, Am. **Loc:** 51(d).
- Hypoxylon fragiforme* (Pers.: Fr.) J. Kickx f., *Fl. Crypt. Louvain:* 116 (1835), CBS, Sf XXVI: 293 ; IF 3: 246, (**Basionym:** *Sphaeria fragiformis* Pers., 1794, CABI; **Syn:** *Hypoxylon enteromelum* (Schwein.) Berk., 1875, CABI), *Xylariaceae*, Am. **Loc:** 52(d).
- Hypoxylon intermedium* (Schwein.: Fr.) Y.M. Ju & J.D. Rogers, *Mycologia Mem.* 20: 133 (1996), CBS, IF 6: 763, (**Basionym:** *Sphaeria intermedia* Schwein., 1832, CABI; **Syn:** *Hypoxylon fraxinophilum* Pouzar, 1972, CABI, *Hypoxylon milleri* De Hoog, 1977, CABI), *Xylariaceae*, Am. **Loc:** 24(b).
- Hypoxylon howeianum* Peck, *Ann. Rep. N. Y. state Mus.* 24: 98 (1872), CABRI, Sf. I: 355; II: xxii; XII: 335; IX: 562 (**Syn:** *Hypoxylon coccinellum* Sacc., 1913, CABI, *Hypoxylon daldiniiforme* P.M.D. Martin, 1969, CABI), *Xylariaceae*, Am. **Loc:** 51(c).
- Inocybe geophylla* (Sowerby: Fr.) P. Kumm. var. *geophylla*, *Führer Pilzk.* (1871), SMN, CABI, Sf V: 784; XII: 973; XIX: 971; XX: 1258; XXI: 166; XXIII: 231, (**Basionym:** *Agaricus geophyllus* Sowerby, 1799, CABI; **Syn:** *Inocybe geophylla* (Sowerby: Fr.) P. Kumm., 1871, CABI, *Inocybe geophylla* var. *alba* Hruby, 1930, CABI), *Cortinariaceae*, Bm. **Loc:** 37(d).
- Inocybe rimosa* (Bull.: Fr.) P. Kumm., *Führer Pilzk.:* 78 (1871), FA, CABI, Sf V: 775; XII: 974; XV: 181; XIX: 976; XV: 1258, (**Basionym:** *Agaricus rimosus* Bull., 1789, CABI; **Syn:** *Inocybe fastigiata* f. *umbrinella* (Bres.) Nespiak, 1990, CABI, *Inocybe rimosa* var. *obsoleta* Quadr. & Lunghini, 1990, CABI, *Inocybe rimosa* var. *argentata* (Kühner) Cetto, 1993, CABI, *Inocybe rimosa* var. *umbrinella* (Bres.) Bizio & M. Marchetti, 1998, CABI), *Cortinariaceae*, Bm. **Loc:** 34(d).
- Inonotus dryadeus* (Pers.: Fr.) Murrill, *North American Flora* 9(2): 86 (1908), CABRI, IF 2: 475, (**Basionym:** *Boletus dryadeus* Pers., 1799, CBS; **Syn:** *Pseudoinonotus dryadeus* (Pers.) T. Wagner & M. Fisch., 2001, CBS), *Hymenochaetaceae*, Bm. **Loc:** 63(c).
- Inonotus hispidus* (Bull.: Fr.) P. Karst., *Meddn Soc. Fauna Flora fenn.* 5: 39 (1880), CABRI, Saccardo's Omissions: 34, (**Basionym:** *Boletus hispidus* Bull., 1784, CABI; **Syn:** *Inonotus hirsutus* (Scop.) Murrill, 1904, CABI), *Hymenochaetaceae*, Bm. **Loc:** 106(c).
- Inonotus obliquus* (Ach. ex Pers.) Pilát, *Atlas des Champignons de l'Europe* 3: 572 (1942), CBS, IF 4: 538, (**Basionym:** *Boletus obliquus* Ach. ex Pers., 1801, CABI; **Syn:** *Xanthochrous obliquus* (Ach. ex Pers.) Bourdot & Galzin, 1928, CABI, *Fuscoporia*

- obliqua* (Ach. ex Pers.) Aoshima, 1951, CBS), *Hymenochaetaceae*, Bm. **Loc:** 3(d).
- Inonotus radiatus* (Sowerby: Fr.) P. Karst., *Revue mycol.*, Toulouse 3(9): 19 (1881), CABRI, (**Basionym:** *Boletus radiatus* Sowerby, 1799, CABI; **Syn:** *Mensularia radiata* (Sowerby) Lázaro Ibiza, 1916, CABI, *Polyporus coffeaceus* Velen., 1922, CABI), *Hymenochaetaceae*, Bm. **Loc:** 110(c).
- Inonotus tamaricis* (Pat.) Maire, *Bulletin de la Société des Sciences naturelles du Maroc* 14: 89 (1938), CABI, IF 2: 274, (**Basionym:** *Xanthochrous tamaricis* Pat., 1904, CABI; **Syn:** *Polyporus tamaricis* (Pat.) Sacc. & D. Sacc., 1905, CABI), *Hymenochaetaceae*, Bm. **Loc:** 98(c).
- Laccaria amethystina* Cooke, *Grevillea* 12: 70 (1883), CABI, (**Syn:** *Laccaria laccata* var. *amethystina* (Huds.) Rea, 1922, CABI), *Hydnangiaceae*, Bm. **Loc:** 18(d).
- Lactarius azonites* (Bull.) Fr., *Epicrisis systematis mycologici*: 343 (1838), CABI, (**Basionym:** *Agaricus azonites* Bull., 1791, CABI; **Syn:** *Lactarius fuliginosus* var. *albipes* (J.E. Lange) Bon, 1980, CABI), *Russulaceae*, Bm. **Loc:** 33(d).
- Lactarius camphoratus* (Bull.: Fr.) Fr., *Epicrisis systematis mycologici*: 346 (1838), CBS, Sf XXI: 89; V: 451; XII: 978; XIX: 1024, (**Basionym:** *Agaricus camphoratus* Bull., 1793, CABI; **Syn:** *Lactifluus terrei* (Berk. & Broome) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Loc:** 52(d).
- Lactarius cremor* Fr., *Epicrisis systematis mycologici*: 343 (1838), CABI, Sf. V: 441; XII: 979; XIX: 1025, (**H-Syn:** *Lactifluus cremor* (Fr.) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Locs:** 33(d), 52(c, d).
- Lactarius deliciosus* (L.: Fr.) Gray, *Nat. Arr. Brit. Pl.* 1: 624 (1821), CABRI, Sf V: 438; XII: 979; XIX: 1026; XX: 1261, (**Basionym:** *Agaricus deliciosus* L., 1753, CABI; **Syn:** *Lactifluus deliciosus* (L.) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Loc:** 60(d).
- Lactarius deterrimus* Gröger, *Westfälische Pilzbriefe* 7: 10 (1968), CABI, IF 3: 487, (**H-Syn:** *Lactarius deliciosus* var. *deterrimus* (Gröger) Hesler & A.H. Sm., 1979, CABI), *Russulaceae*, Bm. **Loc:** 39(d).
- Lactarius fulvissimus* Romagn., *Bull. trimest. Soc. mycol. Fr.* 69: 362 (1954), CABI, IF 2: 170; 4: 595, (**Syn:** *Lactarius britannicus* D.A. Reid, 1969, CABI, *Lactarius subsericatus* Kühner & Romagn. ex Bon, 1979, CABI), *Russulaceae*, Bm. **Loc:** 29(d).
- Lactarius lignyotus* Fr., *Monogr. Lact. Suec.*: 25 (1855), CBS, Sf V: 445; XII: 979; XIX: 1029, (**H-Syn:** *Lactifluus lignyotus* (Fr.) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Locs:** 52(d), 59(c).
- Lactarius pallidus* Pers.: Fr., *Tent. disp. meth. Fung.*: 64 (1797), SMN, CABI, Sf V: 439;

- XII: 979; XIX: 1031; XX: 1261, (**H-Syn:** *Lactifluus pallidus* (Pers.) Kuntze, 1891, CABI ; **Syn:** *Agaricus pallidus* Fr., 1821, CABI), *Russulaceae*, Bm. **Loc:** 33(d).
- Lactarius piperatus* (L.: Fr.) Pers., *Tent. disp. meth. Fung.:* 64 (1797), CABI, Sf V: 436; XII: 980; XIX: 1031; XX: 1261, (**Basionym:** *Agaricus piperatus* L., 1753, CABI; **Syn:** *Lactifluus piperatus* (L.) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Loc:**75(c).
- Lactarius russula* Rick, *Broteria* 5: 20 (1906), CABI, Sf XIX: 1035; XXI: 80, *Russulaceae*, Bm. **Loc:** 50(b).
- Lactarius salmonicolor* R. Heim & Lecl., *Revue Mycol.*, Paris 18: 221 (1953), CABI, IF 3: 48, (**Syn:** *Lactarius salmoneus* R. Heim & Leclair, 1950, CABI, *Lactarius subsalmoneus* Pouzar, 1954, CABI), *Russulaceae*, Bm. **Locs:**24(d), 33(d), 34(d), 37(d).
- Lactarius sanguifluus* (Paulet) Fr., *Epicrisis systematis mycologici:* 341 (1838), CABI, Sf V: 439; XIV: 94; XII: 980; XIX: 1035, (**Basionym:** *Hypophyllum sanguifluum* Paulet, 1793, CABI), *Russulaceae*, Bm. **Locs:** 39(d), 40(d).
- Lactarius sanguifluus* var. *vinosus* Quél., *Comptes rendu Assoc. Franc. Avanc. Sci.* 9: 668 (1881), CABI, Sf V: 439; XII: 980; XIX: 1035, (**H-Syn:** *Lactarius sanguifluus* f. *vinosus* (Quél.) Lalli & Pacioni, 2003, CBS ; **Syn:** *Lactarius vinosus* (Quél.) Bat., 1908, CBS), *Russulaceae*, Bm. **Loc:**45(c).
- Lactarius semisanguifluus* R.Heim & Lecl., *Revue Mycol.*, Paris 15: 79 (1950), CABI, IF 2: 23, *Russulaceae*, Bm. **Locs:** 33(d), 44(d).
- Lactarius quietus* (Fr.: Fr.) Fr., *Epicrisis systematis mycologici:* 343 (1838), CABRI, Sf V: 440; XII: 980; XIX: 1034, (**Basionym:** *Agaricus quietus* Fr.,1821, CABI; **Syn:** *Lactifluus quietus* (Fr.) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Loc:** 34(d).
- Lactarius vellereus* (Fr.: Fr.) Fr. var. *vellereus*, *Epicrisis systematis mycologici:* 340 (1838), CBS, Sf V: 437; XII: 980; XIX: 1040; XX: 1261, (**Basionym:** *Agaricus vellereus* Fr.,1821, CABI; **Syn:** *Lactarius vellereus* (Fr.: Fr.) Fr., 1838, CBS, *Lactarius vellereus* var. *velutinus* (Bertill.) Batile, 1908, CABI), *Russulaceae*, Bm. **Loc:** 64(a).
- Lactarius volemus* (Fr.: Fr.) Fr., *Epicrisis systematis mycologici:* 344 (1838), FA, CABI, Sf V: 447; XXI: 91; XII: 981; XIX: 1041; XX: 1261, (**Basionym:** *Agaricus volemus* Fr., 1821, CABI; **Syn:** *Lactarius lactifluus* (L.) Quél., 1886, CABI, *Lactarius volemus* var. *subrugatus* Neuhoff, 1956, CABI), *Russulaceae*, Bm. **Loc:** 69(d).
- Laetiporus sulphureus* (Bull.: Fr.) Murrill, *Annls mycol.* 39: 51 (1920), CABRI, Pkl vol. 1, IF 2: 276, 386, (**Basionym:** *Boletus sulphureus* Bull., 1789; **Syn:** *Cladoporus sulphureus* (Bull.: Fr.) Teixeira, 1986, CABI, *Laetiporus cincinnatus* (Morgan) Burds., Banik & T.J. Volk, 1998, CABI), *Polyporaceae*, Bm. **Loc:** 64(d).

- Langermannia gigantea* (Batsch: Pers.) Rostk., *Deutschl. Flora, III (Pilze)*: 23 (1839), CBS, Sf VII: 109; XV: 185, (**Basionym**: *Lycoperdon giganteum* Batsch, 1786, CABI; **Syn**: *Lasiosphaera gigantea* (Batsch) F. Smarda, 1958, CABI), *Lycoperdaceae*, Bm. **Loc**: 52 (d).
- Lasiosphaeria spermoides* (Hoffm.: Fr.) Ces. & De Not., *Comm. Soc. crittog. Ital.* 1(4): 229 (1863), FA, CABI, Sf II: 198-199; XII: 359; XIX: 1056, (**Basionym**: *Sphaeria spermoides* Hoffm., 1790, CABI; **Syn**: *Ruzenia spermoides* (Hoffm.) O. Hilber, 2002, CABI), *Lasiosphaeriaceae*, Am. **Loc**: 4(c).
- Leccinum crocipodium* (Letell.) Watling, *Trans. & Proc. Bot. Soc. Edinburgh* 39(2): 200 (1961), CABI, IF 3: 115, (**Basionym**: *Boletus crocipodius* Letell., 1838, CABI; **Syn**: *Leccinum nigrescens* (Richon & Roze) Singer, 1947, CABI, *Krombholziella nigrescens* (Richon & Roze) Sutara, 1982, CABI), *Boletaceae*, Bm. **Loc**: 34(d).
- Leccinum lepidum* (H. Bouchet ex Essette) Bon & Contu, *Quad. Acad. Naz. Lincei* 264: 103 (1990), CABI, IF 6: 81, (**Basionym**: *Boletus lepidus* H. Bouchet ex Essette, 1965, CABI), *Boletaceae*, Bm. **Locs**: 9(b), 33(d), 35(b), 58(d), 68(b), 94(c).
- Lentinellus cochleatus* (Pers.: Fr.) P. Karst., *Bidr. Känn. Finl. Nat. Folk* 32: 247 (1879), CABRI, (**Basionym**: *Agaricus cochleatus* Pers., 1793, CABI; **Syn**: *Lentinellus marcellianus* P.A. Moreau & P. Roux, 1999, CABI), *Auriscalpiaceae*, Bm. **Loc**: 51(d).
- Lenzites warnieri* Durieu & Mont., *Annl. Sci. Nat., Bot.* 14: 182 (1860), CABI, Sf IX: 80; XII: 368, (**Syn**: *Cellularia faventina* (Caldesi) Kuntze, 1898, CABI, *Cellularia warnieri* (Durieu & Mont.) Kuntze, 1898, CABI), *Polyporaceae*, Bm. **Loc**: 109(b).
- Lenzites betulina* (L.: Fr.) Fr., *Epicrasis systematis mycologici*: 405 (1838), CABRI, Sf V: 638; XVI: 68; XXIII: 177; XII: 367; XIX: 1068; XX: 1263, (**Basionym**: *Agaricus betulinus* L., 1753, CABI; **Syn**: *Lenzites betulina* f. *variegata* (Fr.) Donk, 1933, CABI, *Lenzites betulina* var. *berkeleyi* (Lév.) Rick, 1961, CABI), *Polyporaceae*, Bm. **Loc**: 109(b).
- Lepiota cristata* (Bolton: Fr.) P. Kumm., *Führer Pilzk.*: 137 (1871), SMN, CABI, Sf V: 39; XXVI: 771; XII: 983; XIX: 1078, (**Basionym**: *Agaricus cristatus* Bolton, 1788, CABI; **Syn**: *Lepiotula cristata* (Bolton: Fr.) Locq. ex E. Horak, 1968, CABI, *Lepiota felinoides* (Bon) P.D. Orton, 1984, CABI), *Agaricaceae*, Bm. **Loc**: 40(d).
- Lepista inversa* (Scop.: Fr.) Pat., *Hyménomyc. Eur.*: 96 (1887), CBS, (**Basionym**: *Agaricus inversus* Scop., 1772; **Syn**: *Clitocybe inversa* (Scop.) Qué., 1872, CBS, *Lepista flaccida* var. *inversa* (Scop.) Chiari, 2001, CBS), *Tricholomataceae*, Bm. **Loc**: 15(d).
- Lepista nuda* (Bull.: Fr.) Cooke, *Handbook of British Fungi*: 192 (1871), CBS, (**Basionym**: *Agaricus nudus* Bull., 1790; **Syn**: *Tricholoma personatum* var. *nudum* (Bull.) Rick, 1961, CBS, *Rhodopaxillus nudus* var. *pruinus* Bon, 1975, CABI),

Tricholomataceae, Bm. **Loc:** 40(d).

Leucoagaricus naucinus (Fr.) Singer, *Lilloa* 22: 418 (1951), CABI, (**Basionym:** *Agaricus naucinus* Fr., 1838, CABI; **Syn:** *Lepiota naucina* (Fr.) P. Kumm., 1871, CABI), *Agaricaceae*, Bm. **Locs:** 87(c), 89(c).

Limacella guttata (Pers.: Fr.) Konr. & Maubl., *Les Agaricales; Classification - Revision des Espèces. Agaricaceae. Encyclopédie Mycologique*: 70 (1948), FA, CABI, (**Basionym:** *Agaricus guttatus* Pers., 1793, CABI; **Syn:** *Limacella lenticularis* (Lasch) Maire, 1924, CABI, *Myxoderma lenticulare* (Lasch) Kühner, 1926, CABI), *Pluteaceae*, Bm. **Loc:** 77(d).

Lycoperdon caudatum J. Schröt., *Pilzfl. Schlesiens* 1: 698 (1889), CABI, Sf IX: 276; XII: 988, (**Syn:** *Geastrum pedicellatum* (Batsch) Dörfelt & Müll.-Uri, 1983, CABI), *Lycoperdaceae*, Bm. **Loc:** 41(d).

Lycoperdon pyriforme Schaeff.: Pers., *Fung. Bavar. Palat.* 4: 128 (1774), CABRI, Sf VII: 112, 117, 128, 130, 479A, 480; IX: 276; XII: 396, 990; XVII: 233; XXI: 487; XIX: 1153; XX: 1268, (**H-Syn:** *Morganella pyriformis* (Schaeff.) Kreisel & D. Krüger, 2003, CABI), *Lycoperdaceae*, Bm. **Loc:** 15(d).

Lycoperdon lividum Pers., *J. Bot., Paris* 2: 18 (1809), CABI, (**Syn:** *Lycoperdon cookei* Masee, 1887, CABI), *Lycoperdaceae*, Bm. **Loc:** 42(d).

Lycoperdon molle Pers.: Pers., *Syn. meth. fung.*: 150 (1801), CABI, Sf VII: 107, 480; XV: 202; XII: 990; Pkl vol. 3, (**H-Syn:** *Lycoperdon gemmatum* var. *molle* (Pers.) De Toni, CABI) *Lycoperdaceae*, Bm. **Locs:** 69(b), 95(b), 106(d).

Lycoperdon nigrescens Wahlenb., *Neues Mag. Bot.*: 1 (1794), CBS, Sf VII: 99; XV: 202, (**Syn:** *Lycoperdon foetidum* Bonord., 1851, CABI), *Lycoperdaceae*, Bm. **Locs:** 6(d), 96(d).

Lycoperdon perlatum Pers.: Pers., *Observ. mycol.* 1: 145 (1796), CABI, Sf VII: 107, 479; XV: 203; XII: 990, (**H-Syn:** *Lycoperdon gemmatum* var. *perlatum* (Pers.) Fr., 1829, CBS), *Lycoperdaceae*, Bm. **Loc:** 93(d).

Lyophyllum decastes (Fr.: Fr.) Singer, *Lilloa* 22: 165 (1951), CBS, IF 2: 24, (**Basionym:** *Agaricus decastes* Fr., 1818, CABI; **Syn:** *Lyophyllum aggregatum* (Schaeff.) Kühner, 1938, CBS), *Tricholomataceae*, Bm. **Loc:** 96(d).

Macrolepiota permixta (Barla) Pacioni, *Micol. Ital.* 8(3): 13 (1979), CABI, IF 2: 277; 5: 17, (**Basionym:** *Lepiota permixta* Barla, 1886, CABI; **Syn:** *Macrolepiota procera* var. *permixta* (Barla) Quadr. & Lunghini, 1990, CBS), *Agaricaceae*, Bm. **Locs:** 15(d), 33(d).

- Macrolepiota procera* (Scop.: Fr.) Singer var. *procera*, *Pap. Mich. Acad. Sci.* 32: 141 (1948), CBS, IF 1: 243, (**Basionym:** *Agaricus procerus* Scop., 1772; **Syn:** *Lepiota procera* (Scop.: Fr.) Gray, 1821, CBS, *Lepiotohyllum procerum* (Scop.) Locq., 1942, CABI, *Macrolepiota procera* (Scop.: Fr.) Singer, 1948), *Agaricaceae*, Bm. **Locs:** 12(d), 70(d), 31(d), 84(b), 85(c), 87(c).
- Marasmius alliaceus* (Jacq.: Fr.) Fr. *Epicrisis systematis mycologici*: 475 (1874), CABRI, Sf V: 534; XII: 403; XX : 12, (**Basionym:** *Agaricus alliaceus* Jacq., 1773, CABI), *Marasmiaceae*, Bm. **Loc:** 51(d).
- Marasmius oreades* (Bolton: Fr.) Fr., *Anteckn. Sver. Ätl. Svamp.*: 52 (1836), CABRI, Sf V: 510; XII: 992; XX: 18, 1268, (**Basionym:** *Agaricus oreades* Bolton, 1792, CABI; **Syn:** *Scorteus oreades* (Fr.) Earle, 1909, CABI), *Marasmiaceae*, Bm. **Loc:** 97(d).
- Meripilus giganteus* (Pers.: Fr.) P. Karst., *Bidr. Känn. Finl. Nat. Folk* 37: 33 (1882), CABRI, (**Basionym:** *Boletus giganteus* Pers., 1794, CABI; **Syn:** *Polyporus giganteus* (Pers. : Fr.) Fr., 1815, *Meripilus lentifrons* (Murrill) M.J. Larsen & Lombard, 1988, CABI, *Meripilus sumstinei* (Murrill) M.J. Larsen & Lombard, 1988, CBS), *Meripilaceae*, Bm. **Loc:** 68(b, d).
- Morchella esculenta* (L.: Fr.) Pers., *Syn. Meth. Fung.* : 618 (1794), CABI, Sf VIII: 8, 9; XV: 219; XII: 995; XVIII: 2; XX: 114; XXII: 598, (**Basionym:** *Phallus esculentus* L., 1753, CABI; **Syn:** *Morchella rotunda* var. *esculenta* (L. : Fr.) Jacquet., 1985, CABI), *Morchellaceae*, Am. **Loc:** 5(d).
- Mycena filopes* (Bull.: Fr.) P. Kumm., *Führer Pilzk.*: 110 (1871), CABRI, Sf V: 283; XII: 997; XX: 145 ; XXIII: 90, (**Basionym:** *Agaricus filopes* Bull., 1788, CABI; **Syn:** *Mycena amygdalina* (Pers.) Singer, 1961, CABI), *Tricholomataceae*, Bm. **Loc:** 57(c).
- Mycena pura* (Pers.: Fr.) P. Kumm., *Führer Pilzk.*: 107 (1871), CBS, Sf V: 256; XI: 22; XII: 998; XVI: 26; XX: 152; XIV: 83, (**Basionym:** *Agaricus purus* Pers., 1794, CBS; **Syn:** *Mycena pseudopura* (Cooke) Sacc., 1887, CABI, *Mycena pura* f. *ianthina* (Gillet) Maas Geest., 1989, CABI), *Tricholomataceae*, Bm. **Locs:** 42(d), 43(d), 57(c, d).
- Mycena seynesii* Quél., *Bull. Soc. bot. Fr.* 23: 351 (1877), CABI, Sf V: 256; XII: 452; XX: 154, *Tricholomataceae*, Bm. **Loc:** 51(d).
- Omphalotus olearius* (DC.: Fr.) Singer, *Pap. Mich. Acad. Sci.* 32: 133 (1946), SMN, CABI, IF 1: 244, (**Basionym:** *Agaricus olearius* DC., 1815, CABI; **Syn:** *Clitocybe olearia* (DC.: Fr.) Maire, 1933, CABI, *Omphalotus illudens* (Schwein.) Bresinsky & Besl, 1979, CBS, *Omphalotus olearius* var. *illudens* (Schwein.) A. Ortega & Esteve-Rav., 2000, CBS), *Marasmiaceae*, Bm. **Locs:** 7(d), 5(c), 103(b).
- Otidea leporina* (Batsch: Fr.) Fuckel, *Jb. nassau. Ver. Naturk.* 23-24: 329 (1870), CBS, Sf VIII: 94; XII: 1006; XX: 249, (**Basionym:** *Peziza leporina* Batsch, 1783, CABI; **Syn:** *Helvella leporina* (Batsch) Franchi, L. Lami & M. Marchetti, 1999, CBS),

Pyronemataceae, Am. **Loc**: 58(d).

Otidea onotica (Pers.: Fr.) Fuckel, *Symbolae mycologicae*: 330 (1869), FA, CABI, Sf VIII: 94; XII: 1006; XX: 249, (**Basionym**: *Peziza onotica* Pers., 1801, CABI), *Pyronemataceae*, Am. **Loc**: 15(d).

Panaeolus campanulatus (L.: Fr.) Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2 2(5): 151 (1872), CBS, Sf V: 1121; XXIII: 324; XII: 1006; XX: 258, 1280, (**Basionym**: *Agaricus campanulatus* L., CBS), *Bolbitiaceae*, Bm. **Loc**: 15(d).

Panaeolus semiovatus (Sowerby : Fr.) S. Lundell & Nannf. var. *semiovatus*, *Fungi Exsiccati Suecici* 11-12: 14 (no. 537) (1938), CBS, (**Basionym**: *Agaricus semiovatus* Sowerby, 1798, CABI; **Syn**: *Panaeolus semiovatus* (Sowerby : Fr.) S. Lundell & Nannf., 1938, CABI, *Anellaria semiovata* (Sowerby : Fr.) A. Pearson & Dennis, 1948, CBS) *Bolbitiaceae*, Bm. **Loc**: 107(d).

Panellus serotinus (Schrad.: Fr.) Kühner, *Compte rendu hebdomadaire des Sciences de l'Academie des sciences*, Paris 230: 1889 (1950), SMN, CABI (**Basionym**: *Agaricus serotinus* Schrad., 1793, CABI; **Syn**: *Panus serotinus* (Schrad.: Fr.) Kühner, 1980, CABI), *Tricholomataceae*, Bm. **Loc**: 34(d)

Panellus stipticus (Bull.: Fr.) P. Karst., *Rysslands, Finlands och den Skandinaviska Halföns. Hattsvampar* 14: fig. 172 (1879), FA, CABI, (**Basionym**: *Agaricus stipticus* Bull., 1783, CABI; **Syn**: *Panellus stipticus* var. *albidotomentosus* (Rea) Z.S. Bi, 1987, CABI), *Tricholomataceae*, Bm. **Locs**: 51(d), 52(d).

Paxillus involutus (Batsch.: Fr.) Fr., *Epicrasis systematis mycologici*: 317 (1838), CABRI, Sf V: 987; XVII: 81; XII: 1007; XX: 270, 1280, (**Basionym**: *Agaricus involutus* Batsch, 1786, CABI; **Syn**: *Omphalia involuta* (Batsch.) Gray, 1821, CABI), *Paxillaceae*, Bm. **Loc**: 78(d).

Peniophora quercina (Pers.: Fr.) Cooke, *Grevillea* 8 (no. 45): 20 (1879), FA, CABI, Zahlbruckner's Cat. Lich. Univ. 7: 779, (**Basionym**: *Thelephora quercina* Pers., 1801; **Syn**: *Stereum tuberculosum* Velen., 1922, CABI), *Peniophoraceae*, Bm. **Loc**: 81(c, d).

Pezicula carpinea (Pers.) Tul. ex Fuckel, *Jb. nassau. Ver. Naturk.* 23-24: 279 (1870), CABI, Sf VIII: 310; XII: 505; XX: 307, (**Basionym**: *Peziza carpinea* Pers., 1801, CABI; **Syn**: *Pezicula fagi* (W. Phillips) Boud., 1907, CABI), *Dermateaceae*, Am. **Loc**: 30(a).

Peziza badia Pers.: Fr., *Observ. mycol.* 2: 78 (1800), FA, CABI, Sf VIII: 82; XII: 1008; XX: 311, (**H-Syn**: *Plicaria badia* (Pers.) Fuckel, 1870, CABI, *Galactinia badia* (Pers.: Fr.) Arnould, 1893, CABI), *Pezizaceae*, Am. **Loc**: 100(d).

Peziza repanda P. Karst., CABI, Sf. XV: 268, (**H-Syn**: *Cellularia repanda* (Pers.) Kuntze,

- 1898, CABI; **Syn:** *Peziza repanda* Wahlenb., 1820, CABI, *Aleuria repanda* (Pers.) Gillet, 1881, CABI, *Aleuria ampliata* var. *linteicola* (W. Phillips & Plowr.) Boud., 1907, CABI), *Pezizaceae*, Am. **Locs:** 24(b), 48(b), 49(b).
- Peziza vesiculosa* Bull.: Fr., *Herbier de la France* 10: tab. 457, fig. 1 (1790), CBS, Sf VIII: 83; XII: 891, 1009; XVI: 703; XXII: 612; XX: 317, 1282, (**H-Syn:** *Pustularia vesiculosa* (Bull.) Fuckel, 1870, CABI, *Aleuria vesiculosa* (Bull.) Gillet, 1881, CABI; *Galactinia vesiculosa* (Bull.) Le Gal, 1953, CABI), *Pezizaceae*, Am. **Locs:** 24(b), 36(d), 48(b), 49(b).
- Phaeolepiota aurea* (Matt.: Fr.) Maire ex Konrad & Maubl., *Icones selectae Fungorum* 6: 112 (1928), CBS, Pkl Suppl., (**Basionym:** *Agaricus aureus* Matt., 1777, CABI; **Syn:** *Gymnopilus spectabilis* (Fr. Fr.) Singer, 1951, CABI, *Cystoderma aureum* (Matt.: Fr.) Kühner & Romagn., 1953, CBS), *Tricholomataceae*, Bm. **Loc:** 15(d).
- Phaeolus schweinitzii* (Fr.: Fr.) Pat., *Essai Tax. Hyménomyc.*: 86 (1900), CABRI, (**Basionym:** *Polyporus schweinitzii* Fr., 1821, CABI; **Syn:** *Daedalea fusca* Velen., 1922, CABI, *Hapalopilus schweinitzii* (Fr.) Donk, 1933, CABI), *Polyporaceae*, Bm. **Locs:** 2(c), 3(d).
- Phallus impudicus* L.: Pers., *Sp. Plantarum*: 1178 (1753), CABRI, SfVII: 8; XV: 279, (**H-Syn:** *Morellus impudicus* (Pers.) Eaton, 1818, CABI, *Ithyphallus impudicus* (L.) Fr., 1886, CABI ; **Syn:** *Phallus impudicus* var. *togatus* (Kalchbr.) Costantin & L.M. Dufour, 1895, CABI), *Phallaceae*, Bm. **Locs:** 58(d), 66(d), 93(b).
- Phellinus igniarius* (L.: Fr.) Quéél., *Enchiridion Fungorum*, in *Europa Media Præsertim in Gallia Vigentium*: 177 (1886), CABRI, (**Basionym:** *Boletus igniarius* L., 1753, CABI; **Syn:** *Phellinus igniarius* f. *alni* (Bondartsev) Cetto, 1987, CABI), *Hymenochaetaceae*, Bm. **Loc:** 2(c).
- Phellinus punctatus* (Fr. Ex P. Karst.) Pilát, *Atl. Champ. Europ.* 3: 530 (1942), CBS, IF 2: 351, (**Basionym:** *Polyporus punctatus* Fr., 1874, CABI; **Syn:** *Fomitiporella punctata* (Fr.) Teixeira, 1992, CABI), *Hymenochaetaceae*, Bm. **Locs:** 5(b), 106(c), 112(c).
- Phellinus laevigatus* (Fr.) Bourdot & Galzin, *Hyménomycètes de France*: 624 (1928), CABI, Pkl Suppl., (**Basionym:** *Polyporus laevigatus* Fr., 1874, CABI; **Syn:** *Ochroporus laevigatus* (Fr. ex P. Karst.) Fiasson & Niemelä, 1984, CABI), *Hymenochaetaceae*, Bm. **Locs:** 5(b), 106(c), 112(c).
- Phellinus pini* (Brot.: Fr.) Bondartsev & Singer, *Atlas des Champignons de l'Europe* 3(1): 517 (1941), FA, CABI, IF 2: 285 (**Basionym:** *Boletus pini* Brot., 1804, CABI; **Syn:** *Porodaedalea pini* (Brot.: Fr.) Murrill, 1905, CABI, *Inonotus pini* (Brot.: Fr.) Teixeira, 1992, CABI), *Hymenochaetaceae*, Bm. **Loc:** 60(c).
- Phellinus pomaceus* (Pers.) Maire, *Mus. barcin. Scient. nat. Op.* 15: 37 (1933), CABI, Pkl

- vol. 7, (**Basionym:** *Boletus pomaceus* Pers. 1800, CABI; **Syn:** *Ochroporus tuberculatus* (Baumg.) Fiasson & Niemelä, 1984, *Phellinus tuberculatus* (Baumq.) Niemelä, 1982, CABI), *Hymenochaetaceae*, Bm. **Locs:** 74(c), 79(b, c), 82(b), 83(b).
- Phellinus robustus* (P. Karst.) Bourdot & Galzin, *Hyménomycètes de France*: 616 (1928), CABI, Sf IX: 173; XV: 279, (**Basionym:** *Fomes robustus* P. Karst., 1889, CABI; **Syn:** *Fomitiporia robusta* (P. Karst.) Fiasson & Niemelä, 1984, CABI), *Hymenochaetaceae*, Bm. **Locs:** 5(c), 36(b, d).
- Phellinus torulosus* (Pers.) Bourdot & Galzin, *Bull. trimest. Soc. mycol. Fr.* 41: 191 (1925), CBS, Pkl vol. 3, (**Basionym:** *Boletus torulosus* Pers., 1819, CABI; **Syn:** *Fuscoporia torulosa* (Pers.) T. Wagner & M. Fisch., 2001, CABI), *Hymenochaetaceae*, Bm. **Locs:** 73(c, d), 76(c), 79(b, c), 83(c), 102(c).
- Phellodon confluens* (Pers.) Pouzar, *?eská Mykol.* 10: 74 (1956), CABI, IF 2: 351, (**Basionym:** *Hydnum confluens* Pers., 1825, CBS; **Syn:** *Hydnellum amicum* (Quél.) Ragab, 1953, CABI) *Bankeraceae*, Bm. **Loc:** 39(d).
- Phellodon melaleucus* (Sw. ex Fr.) P. Karst. *Revue mycol.*, Toulouse 3(9): 19 (1881), CABI, (**Basionym:** *Hydnum melaleucum* Sw. ex Fr., 1815, CABI ; **Syn :** *Sarcodon pygmaeus* (Yasuda) S. Ito, 1955, CABI, *Phellodon brunneoroseus* Snell, E.A. Dick & H.A.C. Jacks., 1956, CABI, *Phellodon niger* var. *alboniger* (Peck) K.A. Harrison, 1961, CABI), *Bankeraceae*, Bm. **Locs:** 50(d), 51(d), 52(d).
- Phellodon niger* (Fr.: Fr.) P. Karst., *Revue mycol.*, Toulouse 3(9): 19 (1881), SMN, CABI, Sf XV: 279, (**Basionym:** *Hydnum nigrum* Fr., 1815, CABI ; **Syn :** *Calodon niger* (Fr.) Quél., 1886, CABI), *Bankeraceae*, Bm. **Loc:** 52(d).
- Pholiota adiposa* (Batsch : Fr.) P. Kumm., *Führer Pilzk.*: 84 (1871), CABI, Sf V: 752; IX: 91; XII: 517; XX: 338, 1283, (**Basionym:** *Agaricus adiposus* Batsch 1786, CABI; **Syn:** *Hypodendrum adiposum* (Batsch) Overh., 1932, CABI), *Strophariaceae*, Bm. **Loc:** 51(d).
- Piptoporus betulinus* (Bull.: Fr.) P. Karst., *Revue mycol.*, Toulouse 6: 9 (1881), CABI, Saccardo's Omissions: 54, (**Basionym:** *Boletus betulinus* Bull., 1788, CABI; **Syn:** *Ungularia betulina* (Bull.) Lázaro Ibiza, 1916, CABI) *Fomitopsidaceae*, Bm. **Locs:** 73(c, d), 83(c).
- Pisolithus arrhizus* (Scop.: Pers.) Rauschert, *Z. Pilzk.* 25: 50 (1959), CBS, IF 2: 556, (**Basionym:** *Lycoperdon arrhizum* Scop., 1786, CBS; **Syn:** *Pisolithus tinctorius* f. *olivaceus* (Fr.) Pilát, 1958, CABI), *Sclerodermataceae*, Bm. **Locs:** 3(b, d), 83(d).
- Pleurotus cornucopiae* (Paulet) Rolland, *Acta Phytogeogr. Suec.*: pl. 44, fig. 36 (1910), CABI, (**Basionym:** *Dendrosarcos cornucopiae* Paulet, 1793, CABI; **Syn:** *Pleurotus ostreatus* f. *cornucopiae* (Paulet) Quél., 1886, CABI), *Pleurotaceae*, Bm. **Loc:** 70(d).

- Pleurotus eryngii* (DC. : Fr.) Quél., *Mém. Soc. Émul. Montbéliard* 5: 112 (1872), CABRI, Sf XII: 584; XVI: 1111; XVII: 24; XX: 450, (**Basionym:** *Agaricus eryngii* DC., 1815, CABI ; **Syn:** *Pleurotus fuscus* Battarra ex Bres., 1928, CABI), *Pleurotaceae*, Bm. **Locs:** 1(c), 10(d), 13(b), 15(b), 28(b), 81(b, d).
- Pleurotus fuscus* var. *ferulae* Lanzi, CBS, (**H-Syn:** *Pleurotus eryngii* var. *ferulae* (Lanzi) Sacc., 1887, CBS), *Pleurotaceae*, Bm. **Locs:** 72(b), 75(c), 99(b), 104(c), 110(b).
- Polyporus squamosus* (Huds.: Fr.) Fr., *Syst. mycol.* 1: 343 (1821), CABRI, Sf VI: 79; XII: 600; XVII: 113; XX: 493; XXI: 255; XXIII: 452, (**Basionym:** *Boletus squamosus* Huds., 1778, CABI; **Syn:** *Bresadolia squamosa* (Huds.: Fr.) Teixeira, 1986, CABI), *Polyporaceae*, Bm. **Loc:** 29(d).
- Polyporus tuberaster* (Jacq. ex Pers.) Fr., *Observ. mycol.* 1: 121 (1815), CABRI, Sf VI: 56; XII: 1013; XX: 496, (**Basionym:** *Boletus tuberaster* Jacq., 1796, CABI; **Syn:** *Melanopus lentus* (Berk.) Bourdot & Galzin, 1925, CABI, *Polyporellus squamosus* f. *forquignoni* (Quél.) Pilát, 1936, CABI), *Polyporaceae*, Bm. **Loc:** 36(a).
- Postia stiptica* (Pers.: Fr.) Jülich, *Persoonia* 11(4) : 424 (1982), CABI, IF 5: 172, (**Basionym:** *Boletus stipiticus* Pers., 1801, CABI; **Syn:** *Tyromyces stipticus* (Pers.: Fr.) Kotl. & Pouzar, 1959, CABI, *Oligoporus stipticus* (Pers. : Fr.) Gilb. & Ryvarden, 1987, CABI), *Fomitopsidaceae*, Bm. **Loc:** 17(b).
- Psathyrella microrrhiza* (Lasch) Konrad & Maubl., *Encyclop. Mycol.*: 123 (1948), CBS, IF 2: 87, 321, (**Basionym:** *Agaricus microrrhizus* Lasch, 1828, CABI; **Syn:** *Psathyrella semivestita* (Berk. & Broome) A.H. Sm., 1941, CABI, *Drosophila microrrhiza* (Lasch) Romagn., 1944, CABI), *Coprinaceae*, Bm. **Loc:** 8(d).
- Pseudocraterellus sinuosus* (Fr. : Fr.) Corner, *Sydowia* 1: 268 (1958), CABI, IF 3: 160, (**Basionym:** *Cantharellus sinuosus* Fr., 1821, CABI; **Syn:** *Helvella crispa* Bull., 1790, CABI, *Pseudocraterellus undulatus* var. *crispus* (Pers.) Courtec., 1994, CABI), *Cantharellaceae*, Bm, **Locs:** 22(d), 23(d).
- Pycnoporus cinnabarinus* (Jacq.: Fr.) P. Karst., *Revue mycol.*, Toulouse 3 (9): 18 (1881), CABRI, (**Basionym:** *Boletus cinnabarinus* Jacq., 1776, CABI ; **Syn:** *Coriolus cinnabarinus* (Jacq. : Fr.) G. Cunn., 1948, CBS, *Fabisporus cinnabarinus* (Jacq.) Zmitr., 2001, CBS), *Polyporaceae*, Bm. **Loc:** 29(b).
- Ramaria bataillei* (Maire) Corner, *Monograph of Clavaria and allied Genera, Annals of Botany Memoirs No. 1*: 558 (1950), CABI, IF 2: 27, (**Basionym:** *Clavariella bataillei* Maire, 1913, CBS, **Syn:** *Clavaria bataillei* (Maire) Saccardo & Trotter, 1925, CBS), *Ramariaceae*, Bm. **Loc:** 71(b).
- Ramaria eumorpha* (P. Karst.) Corner, *Monograph of Clavaria and allied Genera, Annals of Botany Memoirs No. 1*: 575 (1950), SMN, IF 2: 27, (**Basionym:** *Clavariella eumor-*

- pha* P. Karst., 1883, CABI; **Syn:** *Ramaria invalii* (Cotton & Wakef.) Donk., 1933, CABI), *Ramariaceae*, Bm. **Loc:** 58(d).
- Ramaria flava* (Tourn. ex Battarra) Quél., *Fl. mycol.*: 466 (1888), CBS, (**Basionym:** *Coralloides flavus* Tourn. ex Battarra, 1755, CABI; **Syn:** *Clavaria flava* (Tourn. ex Battarra) Schaeff., 1763, CABI), *Ramariaceae*, Bm. **Loc:** 30(a).
- Ramaria flavescens* (Schaeff.) R.H. Petersen, *Am. J. Bot.* 61(7): 740 (1974), CABI, IF 4: 317, (**Basionym:** *Clavaria flavescens* Schaeff., 1762, CABI), *Ramariaceae*, Bm. **Locs:** 49(b, d), 50(b, d).
- Ramaria formosa* (Pers.: Fr.) Quél., *Fl. Mycol. France*: 466 (1888), CABRI, (**Basionym:** *Clavaria formosa* Pers., 1797, CABI), *Ramariaceae*, Bm. **Locs:** 22(b, d), 33(d), 65(d), 68(d).
- Ramaria pallida* (Schaeff.) Ricken, *Vadem. Pilzfr.*: 263 (1920), CBS, (**Basionym:** *Clavaria pallida* Schaeff., 1774, CABI; **Syn:** *Ramaria mairei* Donk, 1933, CBS), *Ramariaceae*, Bm. **Loc:** 71(d).
- Ramaria rubella* (Schaeff.) R.H. Petersen, *Am. J. Bot.* 61(7): 746 (1974), CABI, IF 4: 318, (**Basionym:** *Clavaria rubella* Schaeff., 1774, CABI; **Syn:** *Ramaria acris* (Peck) Corner, 1961, CABI), *Ramariaceae*, Bm. **Loc:** 15(d).
- Rhodocollybia butyracea* (Bull.) Antonin & Noordel. f. *butyracea*, *Libri Botanici* (Eching bei München) 17: 134 (1997), CABI, (**Basionym:** *Agaricus butyraceus* Bull., 1792, CABI; **Syn:** *Rhodocollybia butyracea* (Bull.) Lennox, 1979, CABI), *Marasmiaceae*, Bm. **Locs:** 49(b, d), 61(d), 21(d).
- Rhodocollybia maculata* (Alb. & Schw.: Fr.) Singer var. *maculata*, *Schweiz. Z. Pilzk.* 17: 71 (1939), CABI, Pkl Suppl., (**Basionym:** *Agaricus maculatus* Alb. & Schwein., 1805, CABI; **Syn:** *Collybia maculata* (Alb. & Schw.: Fr.) P. Kumm., 1871, CABI, *Rhodocollybia maculata* (Alb. & Schw.: Fr.) Singer, 1939, CABI), *Marasmiaceae*, Bm. **Loc:** 23(d).
- Rozites caperata* (Pers.: Fr.) P. Karst., *Bidr. Känn. Finl. Nat. Folk* 32: 290 (1879), CBS, (**Basionym:** *Agaricus caperatus* Pers. 1796, CABI; **Syn:** *Togaria caperata* (Pers.) W. G. Sm., 1908, CBS), *Cortinariaceae*, Bm. **Loc:** 49(d).
- Russula cavipes* Britzelm., *Mém. Soc. Linn. Normandie* 9: 17 (1893), CABI, Sf XI: 30; XII: 1020; XXI: 92; XX: 709, *Russulaceae*, Bm. **Loc:** 57(d).
- Russula cyanoxantha* (Schaeff.) Fr., *Monogr.Hymenomyc. Suec.* 2(2): 194 (1863), CABI, Sf V: 465; XII: 1020; XX: 710, 1298, (**Basionym:** *Agaricus cyanoxanthus* Schaeff., 1774, CABI; **Syn:** *Russula cyanoxantha* f. *cutefracta* (Cooke) Sarnari, 1993, CABI), *Russulaceae*, Bm. **Loc:** 33(d).

- Russula delica* Fr., *Epicrisis systematis mycologici*: 350 (1838), CABI, Sf V: 455; XII: 1020; XX: 711, 1298, (**Syn:** *Lactifluus exsuccus* (J. Otto) Kuntze, 1891, CABI), *Russulaceae*, Bm. **Loc:** 68(d).
- Russula foetens* Pers.: Fr., *Observ. mycol.* 1: 102 (1796), FA, CABI, Sf V: 467; XII: 1020; XX: 713, (**Basionym:** *Agaricus foetens* Pers., 1796, CABI), *Russulaceae*, Bm. **Locs:** 71(b), 108(c).
- Russula emetica* (Schaeff.: Fr.) Pers., *Observ. mycol.* 1: 100 (1796), CBS, Sf V: 469, 470; XII: 1020; XX: 712, 1298; XXI: 93; XV: 324, (**Basionym:** *Agaricus emeticus* Schaeff., 1774, CABI; **Syn:** *Russula emetica* var. *gregaria* Kauffman, 1918, CABI) *Russulaceae*, Bm. **Loc:** 13(b).
- Russula heterophylla* (Fr.: Fr.) Fr., *Epicrisis systematis mycologici*: 352 (1838), CBS, Sf V: 465; XXI: 93; XII: 1020; XX: 716, (**Basionym:** *Agaricus furcatus* f. *heterophyllus* Fr., 1821, CABI; **Syn:** *Russula heterophylla* f. *adusta* J.E. Lange, 1940, CABI), *Russulaceae*, Bm. **Locs:** 10(d), 60(c).
- Russula littoralis* Romagn., *Bull. trimest. Soc. mycol. Fr.* 88(1): 33 (1972), CBS, IF 4: 253, 288, (**H-Syn:** *Russula cremeolilacina* var. *coccolibicola* Singer, 1983), *Russulaceae*, Bm. **Loc:** 6(d).
- Russula nigricans* (Bull.) Fr., *Epicrisis systematis mycologici*: 350 (1838), CABI, Sf V: 453; XII: 1021; XX: 719, (**Basionym:** *Agaricus nigricans* Bull., 1798, CABI; **Syn:** *Agaricus elephantinus* Sowerby, 1788, CABI, *Russula elephantina* (Bolton) Fr., 1838, CABI), *Russulaceae*, Bm. **Loc:** 24(d).
- Russula pseudoimpolita* Sarnari, *Rivista Micol.* 30 (1-2): 33 (1987), CBS, IF 5: 697. *Russulaceae*, Bm. **Loc:** 15(d).
- Russula rhodopoda* Zvára, (1927), CBS. *Russulaceae*, Bm. **Loc:** 15(d).
- Russula vesca* Fr., *Anteckn. Sver. Ätl. Svamp.*: 51 (1836) CABI, Sf V: 465; XII: 1022; XX: 725, (**Syn:** *Russula mitis* Rea, 1922, CABI), *Russulaceae*, Bm. **Loc:** 15(d).
- Russula vinosa* Lindblad, *Fl. Crypt. Cell. Toulouse*: 57 (1901), CABI, (**Syn:** *Russula decolorans* var. *obscura* Romell, 1891, CABI), *Russulaceae*, Bm. **Loc:** 11(b).
- Russula virescens* (Schaeff.) Fr., *Anteckn. Sver. Ätl. Svamp.*: 50 (1836), CBS, Sf V: 67, 460; XII: 1022; XX: 726, (**Basionym:** *Agaricus virescens* Schaeff., 1774, CBS), *Russulaceae*, Bm. **Loc:** 9(d).
- Sarcodon regalis* Maas Geest., *Verh. K. Akad. Wet.*, tweede sect. 65: 109 (1975), CABI, IF 4: 355, 484, *Bankeraceae*, Bm. **Loc:** 52(d).

- Sarcodon scabrosus* (Fr.) P. Karst., *Revue mycol.*, Toulouse 3(9): 20, (1881), CABI, Sf IX: 208, (**Basionym**: *Hydnum scabrosum* Fr., 1836, CABI; **Syn**: *Phaeodon scabrosus* (Fr.) Henn., 1898, CABI), *Bankeraceae*, Bm. **Locs**: 39(c), 51(d).
- Sarcodon versipellis* (Fr.) Nikol., *Fl. pl. crypt. URSS* 6(2): 283 (1961), CABI, IF 3: 198, (**Basionym**: *Hydnum versipelle* Fr., 1861, CABI; **Syn**: *Hydnum crassum* K.A. Harrison, 1961, CABI), *Bankeraceae*, Bm. **Loc**: 40(d).
- Schizophyllum commune* Fr.: Fr., *Observ. mycol.* 1: 103 (1815), CABI, Sf V: 655; IX: 81; XII: 677; XX: 750, 1300, (**Syn**: *Apus alneus* (L.) Gray, 1821, CABI), *Schizophyllaceae*, Bm. **Locs**: 19(b), 31(c), 65(b), 67(c), 73(c), 74(d), 101(c).
- Schizopora paradoxa* (Schrad.: Fr.) Donk, *Persoonia* 5(1): 76 (1967), CABRI, SMN, IF 3: 471, (**Basionym**: *Hydnum paradoxum* Schrad., 1794, CABI; **Syn**: *Hyphodontia paradoxa* (Schrad.: Fr.) Langer & Vesterh., 1996, CABI), *Schizoporaceae*, Bm. **Locs**: 15(d), 32(b, d).
- Scleroderma verrucosum* (Bull.: Pers.) Pers., *Syn. meth. fung.* 1: 154 (1801), SMN, CABI, Sf VII: 88, 136-137; XII: 1023; XVI: 244; XVII: 235; XX: 757, 1300, (**Basionym**: *Lycoperdon verrucosum* Bull., 1791, CABI), *Sclerodermataceae*, Bm. **Loc**: 66(d).
- Scutiger oregonensis* Murrill, *Mycologia* 4(2): 93 (1912), CABI, Sf XXIII: 372, (**H-Syn**: *Fomes oregonensis* (Murrill) Sacc. & Traverso, 1910, CABI, *Polyporus oregonensis* (Murrill) Murrill, 1912, CABI; **Syn**: *Polyporus pes-caprae* (Pers.: Fr.) Teixeira, 1992, CABI, *Albatrellopsis pes-caprae* (Pers.: Fr.) Teixeira, 1994, CABI), *Albatrellaceae*, Bm. **Locs**: 74(c), 80(d).
- Stereum gausapatum* (Fr.: Fr.) Fr., *Hyménomyc. Eur.*: 638 (1874), CABRI, Sf VI: 560; XII: 757, (**Basionym**: *Thelephora gausapata* Fr., 1838, CABI; **Syn**: *Haematostereum gausapatum* (Fr.) Pouzar, CABI), *Stereaceae*, Bm. **Loc**: 36(b).
- Spongipellis spumeus* (Sowerby: Fr.) Pat., *Champ. parasit. des insects*: 140 (1887), SMN, CBS, (**Basionym**: *Boletus spumeus* Sowerby, 1799, CABI; **Syn**: *Inonotus victoriensis* (Lloyd) Pegler, 1964, CABI, *Spongipellis foetidus* (Velen.) Kotl. & Pouzar, 1965, CABI, *Pseudoinonotus victoriensis* (Lloyd) T. Wagner & M. Fisch., 2001, CABI), *Hapalopilaceae*, Bm. **Loc**: 63(c).
- Stereum ochraceoflavum* (Schwein.) Sacc., *Sill. Fung.* 6: 576 (1888), CBS, Sf VI: 576; XII: 758, (**Basionym**: *Thelephora ochraceoflava* Schwein., 1832, CBS; *Boreostereum sulphuratum* (Berk. & Ravenel) G.Y. Zheng & Z.S. Bi, 1990, CBS), *Stereaceae*, Bm. **Loc**: 48(d).
- Suillus bovinus* (Pers. : Fr.) Kuntze, *Revis. gen. pl.* 3: 535 (1898), CBS, (**Basionym**: *Boletus bovinus* L., 1753, CABI; **Syn**: *Mariaella bovina* (L.) Sutara, 1987, CABI), *Suillaceae*, Bm. **Loc**: 112(d).

- Suillus collinitus* (Fr.) Kuntze, *Revis. gen. pl.* 3: 536, (1898), CBS, IF 2: 325, 521, (**Basionym:** *Boletus collinitus* Fr., 1838, CBS; **Syn:** *Suillus fluryi* Huijsman, 1969, CABI), *Suillaceae*, Bm. **Loc:** 43(d).
- Suillus granulatus* (L.: Fr.) Kuntze, *Revis. gen. pl.* 3: 535, (1898), CBS, (**Basionym:** *Boletus granulatus* L., 1753, CBS; **Syn:** *Boletus lactifluus* (Pers.) J. Blum, 1969), *Suillaceae*, Bm. **Locs:** 70(d), 80(d).
- Suillus lakei* (Murrill) A.H. Sm. & Thiers, (1964), CABI, IF 3: 312, (**Basionym:** *Boletus lakei* Murrill, 1912, CABI; **Syn:** *Boletinus landkammeri* (Pilát & Svrcek) Bon, 1986, CABI), *Suillaceae*, Bm. **Loc:** 34(d).
- Tapinella panuoides* (Fr.) E.-J. Gilbert, *Les Livres du Mycologue Tome I-IV*, Tom. III: Les Bolets: 68 (1931), CBS, Suppl., (**Basionym:** *Agaricus panuoides* Fr., 1818; **Syn:** *Paxillus panuoides* (Fr.: Fr.) Fr., 1838, CBS, *Plicaturella panuoides* (Fr.: Fr.) Rauschert, 1992, CABI, *Serpula panuoides* (Fr.) Zmitr. Ex Zmitr., 2001, CABI), *Hygrophoropsidaceae*, Bm. **Loc:** 68(d).
- Trametes suaveolens* (L.: Fr.) Fr., *Epicrisis systematis mycologici*: 491 (1838), CABI, Sf VI: 338; XII: 789; XX: 970, (**Basionym:** *Boletus suaveolens* L. 1753, CABI ; **Syn:** *Haploporus suaveolens* (L.: Fr.) Donk, 1971, CABI, *Daedaleopsis confragosa* var. *bulliardii* (Fr.) Ljub., 1975, CABI), *Polyporaceae*, Bm. **Loc:** 15(d).
- Trametes versicolor* (L.: Fr.) Lloyd, *Mycological Notes*, no. 65: 1045 (1921), CABI, Pkl vol. 2, 3, 8 ; IF 5 : 702, (**Basionym:** *Boletus versicolor* L., 1753, CABI; **Syn:** *Coriolus azureus* (Fr.) G. Cunn., 1948, CBS, *Trametes azurea* (Fr.) G. Cunn., 1965, CBS), *Polyporaceae*, Bm. **Locs:** 16(d), 24(b), 28(d), 48(b), 49(b), 66(b), 68(b), 81(d), 88(b).
- Trametes hirsuta* (Wulfen : Fr.) Pilát, *Atlas des Champignons de l'Europe. Polyporaceae I* 3: 265 (1939), CABRI, Pkl vol. 8, (**Basionym:** *Boletus hirsutus*, Wulfen, 1798, CABI ; **Syn:** *Coriolus vellereus* (Berk.) Pat., 1921, CABI, *Polyporus fagicola* Velen., 1922, CABI), *Polyporaceae*, Bm. **Locs:** 22(c), 24(c), 29(d), 31(d).
- Trichaptum fuscoviolaceum* (Ehrenb.: Fr.) Ryvar den, *Norw. JI Bot.* 19: 237 (1972), CABI, IF 4: 186, (**Basionym:** *Sistotrema fuscoviolaceum* Ehrenb., 1818, CABI; **Syn:** *Irpex violaceus* (Pers.) Quél., 1888, CABI, *Polyporus abietinus* f. *fuscoviolaceus* (Fr.) D.V. Baxter, 1946, CABI, *Trichaptum hollii* (J.C. Schmidt: Fr.) Kreisel, 1984, CABI), *Polyporaceae*, Bm. **Loc:** 17(b).
- Tricholoma aurantium* (Schaeff.: Fr) Ricken, *Die Blätterpilze:* 332 (1914), CBS, (**Basionym:** *Agaricus aurantia* Schaeff. 1774, CABI ; **Syn :** *Armillaria aurantia* (Schaeff.) Quél., 1872), *Tricholomataceae*, Bm. **Loc:** 15(d).
- Tricholoma bresadolatum* Cléménçon, *Documents micologique* 7 (nos 27-28) : 54

- (1977, as *bresadolianum*), CABI, IF 4 : 486, *Tricholomataceae*, Bm. **Loc:** 25(d).
- Tricholoma columbetta* (Fr.) P. Kumm., *Führer Pilzk.*: 131 (1871), CABI, Sf V: 99; XII: 1031; XX: 992, (**Basionym:** *Agaricus columbetta* Fr., 1821, CABI), *Tricholomataceae*, Bm. **Loc:** 34(d).
- Tricholoma equestre* (L.: Fr) P. Kumm. *Führer Pilzk.*: 130 (1871), CBS, Sf V: 87; XXIII: 42; XII: 1031; XX: 994, (**Basionym:** *Agaricus equestre* L., 1755, CABI; **Syn:** *Tricholoma auratum* (Paulet) Gillet, 1874, CABI), *Tricholomataceae*, Bm. **Loc:** 66(d).
- Tricholoma fracticum* (Britzelm.) Kreisel, *Feddes Repert. Spec. Nov. Regni Veg.* 95 (9-10): 700 (1984), CABI, IF 5: 456, (**Basionym:** *Agaricus fracticus* Britzelm., 1893, CABI; **Syn:** *Armillaria fratica* (Britzelm.) Sacc., 1891, CBS), *Tricholomataceae*, Bm. **Loc:** 66(d).
- Tricholoma pardinum* Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2 5: 339 (1873), CABI, *Tricholomataceae*, Bm. **Loc:** 15(d).
- Tricholoma pardinum* var. *filamentosum* Alessio, *Micol. Ital.* 12(2): 21 (1983), CABI, IF 5: 316, *Tricholomataceae*, Bm. **Loc:** 13(d).
- Tricholoma portentosum* (Fr.: Fr.) Quél., *Mém. Soc. Émul. Montbéliard*, Sér. 2 5: 338 (1872), CBS, Sf V: 89; XVI: 22; XX: 1005; XII: 1034, (**Basionym:** *Agaricus portentosus* Fr., 1821, CBS; **Syn:** *Melanoleuca portentosa* (Fr.) Murrill, 1914, CBS), *Tricholomataceae*, Bm. **Loc:** 77(a, d).
- Tricholoma sciodes* (Pers.) C. Martín, *Add. Lichenogr. Antill.*: 51 (1919), CABI, (**Basionym:** *Agaricus myomyces* var. *sciodes* Pers., 1810, CABI; **Syn:** *Tricholoma sciodellum* P.D. Orton, 1999, CABI), *Tricholomataceae*, Bm. **Loc:** 18(d).
- Tricholoma sejunctum* (Sowerby: Fr) Quél., *Mem. Soc. Émul. Montbéliard*, Sér. 2 5: 76 (1872), CBS, Sf V: 88; XII: 1034; XX: 1008; XXVI: 807, (**Basionym:** *Agaricus sejunctus* Sowerby, 1799, CABI; **Syn:** *Melanoleuca sejuncta* (Sowerby) Murrill, 1914, CABI), *Tricholomataceae*, Bm. **Locs:** 7(d), 39(d).
- Tricholoma sulphurescens* Bres., *Annl. mycol.* 3(2): 159 (1905), CABI, Sf XXI: 28., *Tricholomataceae*, Bm. **Loc:** 32(c).
- Tricholoma terreum* (Schaeff.: Fr.) P. Kumm., *Führer Pilzk.*: 134 (1871), Sf V: 104; XVII: 9; XX: 1011; XII: 1035, SMN, (**Basionym:** *Agaricus terreus* Schaeff., 1762, CABI; **Syn:** *Tricholoma myomyces* (Pers. : Fr.) J.E. Lange, 1933, CABI, *Tricholoma myomyces* f. *bisporigerum* (J.E. Lange) Bon, 1975), *Tricholomataceae*, Bm. **Loc:** 43(c, d).
- Tricholomopsis rutilans* (Schaeff.: Fr.) Singer, *Schweiz. Z. Pilzk.* 17: 56 (1939), CBS, Pkl Suppl., (**Basionym:** *Agaricus rutilans* Schaeff., 1774, CBS; **Syn:** *Tricholomopsis*

- variegata* (Scop.) Singer, 1943, CABI, *Tricholomopsis rutilans* var. *variegata* (Scop.) Bon, 1984, CABI), *Tricholomataceae*, Bm. **Loc:** 41(d).
- Tuber excavatum* Vittad., *Monogr. Tuberac.* : 49 (1831), CABI, Sf VIII : 886 ; XII : 1036 ; XX : 1034, *Tuberaceae*, Am. **Loc:** 49(d).
- Tyromyces chioneus* (Fr. : Fr.) P. Karst., *Revue mycol.*, Toulouse 3(9) : 17 (1881), CABI, (**Basionym:** *Polyporus chioneus* Fr., 1815, CABI; **Syn:** *Tyromyces albellus* (Peck) Bondartsev & Singer, 1941, CABI), *Polyporaceae*, Bm. **Loc:** 47(c).
- Volvariella gloiocephala* (DC.: Fr.) Boekhout & Enderle, *Beiträge zur Kenntnis der Pilze Mitteleuropas* 2: 78 (1986), CBS, IF 5: 562, 912, (**Basionym:** *Agaricus gloiocephalus* DC., 1815, CABI; **Syn:** *Volvariella speciosa* (Fr.: Fr.) Singer, 1951, CABI, *Volvariella speciosa* f. *gloiocephala* (DC.) Courtec., 1984, CABI, *Volvariella gloiocephala* var. *speciosa* (Fr.) Bon, 1993, CABI), *Pluteaceae*, Bm. **Locs:** 38(d), 41(d).
- Xerocomus badius* (Fr.: Fr.) Kühner ex E.-J.Gilbert, *Les Bolets* 116 (1931), CBS, (**Basionym:** *Boletus castaneus* var. *badius* Fr., 1818, CBS; **H-Syn:** *Boletus badius* (Fr.) Fr., 1828, CBS, *Ixocomus badius* (Fr.) Quél., 1888, CBS), *Boletaceae*, Bm. **Loc:** 71(d).
- Xerula radicata* (Relhan: Fr.) Dörfelt, *Veröff. Mus. Stadt Gera*, Naturwissenschaftliche Reihe 2-3: 67 (1975), SMN, IF 4: 577, (**Basionym:** *Agaricus radicans* Relhan, 1786, CBS; **Syn:** *Mucidula radicata* (Relhan: Fr.) Boursier, 1924, CBS, *Oudemansiella radicata* (Relhan: Fr.) Singer, 1936, CBS), *Marasmiaceae*, Bm. **Locs:** 11(d), 18(d).
- Xylaria hypoxylon* (L.: Fr.) Grev., *Fl. Edin.*: 355 (1824), CBS, Sf I: 333; II: xvii; IX: 541; XII: 851; XVII: 628; XX: 1154, 1310; XXIV: 1099, (**Basionym:** *Clavaria hypoxylon* L., 1753, CBS; **Syn:** *Xylosphaera hypoxylon* (L.: Fr.) Dumort., 1822, CBS), *Xylariaceae*, Am. **Loc:** 105(b, d).
- Xylaria polymorpha* (Pers.: Fr.) Grev., *Fl. Edin.*: 355 (1824), CBS, Sf I: 309, 328; II: xv; IX: 527, 539; XII: 852; XV: 452; XVII: 622; XX: 1158; XXII: 337, (**Basionym:** *Sphaeria polymorpha* Pers., 1797, CABI; **Syn:** *Xylosphaeria obovata* (Berk.) Dennis, 1960, CABI), *Xylariaceae*, Am. **Loc:** 61(d).

Conclusions

The survey and the study carried out about the Gargano promontory's macromycetous biodiversity showed a number of fungi which can be traced in a summarizing Table 1.

The most concentrated values of biodiversity are to be referred to the slopes that descending from the summital garigas and are enclosed between the Northern and the Eastern rays down to the sea.

In the total number of accepted taxa (279) the considered ascomycetes (macrocarpic or naked-eye species) are 29 versus 250 species and varieties of collected basidiomycetous carphophores. As to the groups, some families appear to be more frequently represented

Table 1. List of Orders and Families.

	Order	Family	Genus	Sp.-Var.
Ascomycota	<i>Helotiales</i>	<i>Dermataceae</i>	1	1
		<i>Helotiaceae</i>	1	1
		<i>Sclerotinaceae</i>	1	1
	<i>Pleosporales</i>	<i>Cucurbitariaceae</i>	1	1
	<i>Pezizales</i>	<i>Helvellaceae</i>	1	5
		<i>Morchellaceae</i>	1	1
		<i>Pyrenomataceae</i>	2	3
		<i>Pezizaceae</i>	1	3
		<i>Tuberaceae</i>	1	1
	<i>Sordariales</i>	<i>Lasiosphaeriaceae</i>	1	1
<i>Xylariaceae</i>	<i>Diatrypaeae</i>	1	2	
	<i>Xylariaceae</i>	4	9	
Basidiomycota	<i>Agaricales</i>	<i>Agaricaceae</i>	5	11
		<i>Bolbitiaceae</i>	2	3
		<i>Cortinariaceae</i>	6	12
		<i>Clavariaceae</i>	2	3
		<i>Coprinaceae</i>	2	6
		<i>Entolomataceae</i>	1	1
		<i>Hydnangiaceae</i>	1	1
		<i>Lycoperdaceae</i>	5	11
		<i>Marasmiaceae</i>	5	8
		<i>Pleurotaceae</i>	1	3
		<i>Pluteaceae</i>	3	17
		<i>Strophariaceae</i>	2	3
		<i>Schizophyllaceae</i>	1	1
	<i>Tricholomataceae</i>	12	40	
	<i>Auriculariales</i>	<i>Auriculariaceae</i>	1	1
	<i>Boletales</i>	<i>Boletaceae</i>	3	10
		<i>Gomphidaceae</i>	1	1
		<i>Hygrophoropsidaceae</i>	1	1
		<i>Paxillaceae</i>	1	1
		<i>Suillaceae</i>	1	4
		<i>Sclerodermataceae</i>	2	2
	<i>Cantharellales</i>	<i>Clavulinaceae</i>	1	3
		<i>Cantharelaaceae</i>	3	4
		<i>Hydnaceae</i>	1	2
	<i>Dacrymycetales</i>	<i>Dacrymicetaceae</i>	1	2
	<i>Hymenochaetale</i>	<i>Hymenochaetaceae</i>	4	14
		<i>Schizoporaceae</i>	1	1
	<i>Phallales</i>	<i>Ghomphaceae</i>	1	3
		<i>Geastraceae</i>	1	2
		<i>Ramariaceae</i>	1	7
		<i>Phallaceae</i>	2	2
	<i>Polyporales</i>	<i>Albatrellaceae</i>	1	1
		<i>Atheliaceae</i>	1	1
		<i>Corticaceae</i>	1	1
		<i>Fomitopsidaceae</i>	4	4
		<i>Ganodermataceae</i>	1	4
		<i>Hapalopilaceae</i>	2	2
		<i>Meruliaceae</i>	1	1
		<i>Meripiliaceae</i>	1	1
		<i>Polyporaceae</i>	10	14
	<i>Russulales</i>	<i>Auriscalpiaceae</i>	1	1
		<i>Hericiaceae</i>	1	1
		<i>Peniophoraceae</i>	1	1
<i>Russulaceae</i>		2	30	
<i>Stereum</i>		1	2	
<i>Thelephorales</i>	<i>Bankeraceae</i>	2	6	

than others (Tab. 1). Of course, the number of species and the biomass of all the anamorphs or microscopic forms is much higher especially as to the ascomycetous forms, but this is a different matter of study.

As elsewhere noted, the 279 taxa are the really collected and located during the last 6 years collecting campaigns, while we are apart of the existence of many more taxa thanks to expert vocal tradition. Many not scientific estimates place the total number of species wavering around 500 spp. The fact that, at the conclusion of every survey the number of newly collected samples was constantly settled, for 6 times, over the 30-33% of the already registered samples picked during the same survey indicates a much bigger potential number of species: we argue the existence of over 850 spp. in the whole territory and a over 1000 different taxa if varieties are considered. The most representative genera of basidiomycetes are *Amanita* and *Lactarius*, *Cortinarius*.

Among the resupinate basidiomes the most frequent were belonging to the *Phellinus* group: we should stress the fact that those fungi are all phytopatogen and that a considerable damage to most part of the rosacean and oleacean tree plantations, to ornamental *Mimosaceae* should be referred, in this zone, to *Phellinus* components. Such characterizing gurganic productions as almonds, citruses, grapevine, olive underwent decay and destruction since the end of the eighties thanks to the infections of those basidiomycetes in the course of complex syndromatic events involving also *Fusicoccum*, *Phomopsis*, *Deuterophoma* and *Verticillium* ascomycetous imperfect stages. Very common and widespread are the infections by *Fomes* on forestal trees in the humid sites of Foresta Umbra and monumental carpophores are frequent especially in the many places where severe infestations of hollies destroy big trunks.

Fresh mushroom collection for consumption (often illegal) is a comparatively big bargain in the area and most appreciated species in humid years are penny buns and other edible boleti, oyster-fungi, chanterelles, parasols, horns of plenty, psalliotas and St. George's mushrooms, saffron milk caps, the miller, *Clitocybe geotropa* and *Russula virescens*. Of course, vaste harvestings of (commercially second rate) truffles, are practiced by animals and humans. Local consumption of sulphur polypores is also passionately practiced. Not common the consumption of Caesar's mushrooms, due to suspiciousness to amanitaceae. Not deeply appreciated are honey fungi due also to similarities with *Hypholomas*, *Gymnopilus* and *Omphalotus*. Personal communication by authorities estimate in about half million euro per year the value of harvested carpophores, in the only municipal district of Vico del Gargano.

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Databases online

Index Fungorum

(CABI) <http://www.indexfungorum.org>

Common Access to Biological Resources and Information

(CABRI) <http://www.cabri.org/>

Centraalbureau voor Schimmelcultures, filamentous fungi database

(CBS) <http://www.cbs.knaw.nl/databases/index.htm>

National Botanic Garden of Belgium

(BR) <http://betula.br.fgov.be/SCIENCE/COLLECTIONS/HERBARIUMS/FUNGI/>

Swedish Museum of Natural History

(SMN) <http://www2.nrm.se/kbo/saml/basidiomycetes.txt>

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Addresses of the authors:

Ciccarone C.,

Dipartimento DiSACD, Facoltà di Agraria, Università di Foggia, Via Napoli 25, 71100 Foggia, (Italy). Email: c.ciccarone@isnet.it

M. Pasqualetti, S. Tempesta & A. Rambelli*,

Dipartimento DECOS, Università degli Studi della Tuscia, Via S. Camillo de Lellis, 01100 Viterbo (Italy).*Email: rambelli@unitus.it