



**BIBLIOGRAPHIC INVENTORY OF TANGIER FUNGI: CATALOGUE OF THE BASIDIOMYCETES FUNGAL FLORA**

Ali Outcoumit, Saifeddine El Kholfy, Amina Ouazzani Touhami and Allal Douira

Laboratoire de Botanique et de Protection des Plantes, UFR de Mycologie, Département de Biologie, Faculté des Sciences, BP.133, Université Ibn Tofail, Kénitra, Maroc.

**ABSTRACT:** The region of Tangier considered as an area that offers an important natural resource. Yet, the condition of its mycoflora is not utilized because of the lack of data. This fungal flora has a richness of 1192 species belonging to the Division Basidiomycota, divided into 20 orders, 70 families and 194 genera. The present catalog of fungal flora constitutes a large contribution to the knowledge of the biodiversity of fungi in the region of Tangier. The species are completed and updated with new science and arranged according to the main mycological classification.

**Key words:** Morocco, Tanger, fungal Flora, Biodiversity, Inventory, Basidiomycetes

**INTRODUCTION**

Tangier is located in the north, between the Mediterranean Sea and the Atlantic Ocean, it is bounded by the Mediterranean to the north, the Atlantic Ocean to the west, the region of Taza-Al Hoceima-Taounate to the east and the Gharb-Chrarda-Beni Hssen to the South. The region enjoys an oceanic climate subhumid characterized by alternating wet and cool season from October to April and a little warm season from June to September [17]. Among the most important stations in this region is Larache, especially Khmiss es Sahel. The forests of the region are cork oak, the most important cork oak forest (6000 ha, ie 50% of the total forest area of Larache) is that of Khmiss es Sahel. It is located north of Loukous and covers 50% of the forest area of this region [42]. The main tree species of Khmiss es Sahel are *Quercus suber* and the plantations of *Eucalyptus canadulensis*, *E. globulus*, *Pinus pinea* [42]. Lalla Mimouna, Dardara, Bab Taza and Chefchaouenne are also part of the region of Tangier. It is located in the north of the Gharb region and south of low Loukous. The altitudes of the region vary between 20m and 120m [20]. The forest of Lalla Mimouna (a total area of 6668 ha) is located north of the cork oak forest of Mamora and south of the cork oak forests of Larache. Furthermore, it constitutes a trait of continuity between the cork oak forests of the western Rif and the Loukous and is part of the Atlantic cork oak of Morocco. It is composed of four forest islets: Ferjana, Karmat Ould el Cadi, Chouffaâ and Aïn Felfel. Forest species consist mainly of *Quercus suber* *Eucalyptus* plantations [1]. Dardara, Bab Taza and Chefchaouenne belong to Basin of Oued Laou, located in the central-western part of the Rif chain. It is bounded by the peaks of Kelti mountain (1928m) to the west, Soukna (1800m) and Tissouka (2180m) to the south-east, Tazoute (1800m) to the north-east and the Mediterranean Sea to the north. The region is affected by the influence of the Mediterranean and the Atlantic Ocean. These three stations are characterized by high winter precipitation and a dry summer and warm enough. The average of precipitations varies between 800 and 1400 mm at (Bab Taza, 1361 mm). Summer temperatures are high, with an average of 33.8 ° C up to Chefchaouenne. The climate is Mediterranean sub-humid mountain [16]. The essential forest species are *Tetraclinis articulata*, *Quercus suber*, *Q. rotundifolia*, *Pinus pinaster* and *P. halepensis* [22]. The fungal flora of the region of Tangier is on the whole relatively little known, the data are scattered into lists published between 1937 and 1980 in the reports of Showtimes of the Society of Natural Sciences of Morocco, Scientific Institute and the Bulletin of the Society of Mycology France [2-15 and 24-40]. For over about ten years we will be working on the collections of the fungal herbarium specimens of the Scientific Institute of Rabat [18] and on the inventories of macrofungi of different regions of Morocco: Rif [19], Moyen Atlas [23], Mamora [41], Plateau central [21] in order to develop a list grouping all of fungi signaled in Morocco. A thorough and complete inventory could inform about the fungal originality of some habitats and regions, likely to reveal a strong heritage interest. In this bibliographical study the various steps set can acquire the necessary expertise to the project advanced.

The current names of the different species have been indicated between brackets before the species. All the information relating to plants on or under which the fungi have been collected, were indicated before each species, followed by the names of localities where the species has been harvested. The abbreviation (LNS) means that the species is indicated in Tangier's region, but the locality was not specified by the authors; (SNS) means substrate not indicated.

The aim of this work is to gather all the data on the macrofungi reported in the area of Tangier and make a complete list of these fungi.

### The Catalog of the Fungal Flora of the Region of Tangier

Subdivision: Plasmodiogymnomycotina

Class: Myxomycetes

Order: Liceales

Family: Tubiferaceae

\**Reticularia lycoperdon* Bull., (1791); on *Acacia* sp., at mars: Tanger.

\**Tubifera ferruginosa* (Batsch) J.F. Gmel., (1791); on *Q. suber*: Tanger.

Division: Oomycota

Class: Oomycetes

Order: Albuginales

Family: Albuginaceae

\**Cystopus australiae*; on *Eucalyptus globules*' phyllodes: Tanger.

Division: Zygomycota

Subdivision: Entomophthoromycotina

Class: Incertae sedis

Order: Entomophthorales

Family: Entomophthoraceae

\**Empusa muscae* Cohn, (1855), (= *Entomophthora muscae* (Cohn) Fresen., 1856); on housefly: Tanger.

Subdivision: Basidiomycotina

Class: Basidiomycetes

Order: Agaricales

Family: Agaricaceae

\**Agaricus pampeanus* Speg., (1880). Sns: Lalla Mimouna (Ferjana) and Tanger.

\**Bovistella ohiensis* (Ellis & Morgan) Morgan (1892). Sns: Lns.

\**Bovistella radicata* (Durieu & Mont.) Pat., (1889), (= *Lycoperdon radicum* Durieu & Mont., 1848); sandy grazing: Larache & Mamora forest.

\**Calvatia caelata* (Bull.) Morgan, (1890), (= *Lycoperdon utriforme* Bull., 1791). Sns: Tanger.

\**Calvatia candida* (Rostk.) Hollós, (1904). Sns: Tanger.

\**Calvatia excipuliformis* (Scop.) Perdeck, (1950) (= *Lycoperdon excipuliforme* (Scop.) Pers., 1801). Sns: Tanger.

\**Calvatia fragilis* (Vittad.) Morgan, (1890). Sns: Tanger.

\**Calvatia gigantea* (Batsch) Lloyd, (1904). Sns: Tanger.

\**Calvatia hiemalis* (Pers. ex Bull.), (?). Sns: Tanger.

\**Calvatia lilacina* (Mont. & Berk.) Henn., (1904). Sns: Larache, Tanger.

\**Coprinus auricomus* Pat., (1886), (= *Parasola auricoma* (Pat.) Redhead, Vilgalys & Hopper, 2001); on gardens's smoked ground: Tanger (Ziatene) & Sns: Tanger.

\**Coprinus boudieri* Quéf., (1877), (= *Coprinellus angulatus* (Peck) Redhead, Vilgalys & Moncalvo, 2001); on smoked ground: Tanger (Jbel Kbir), sur bouses: Larache & Sns: Tanger.

\**Coprinus brassicae* Peck, (1890), (= *Coprinopsis urticicola* (Berk. & Broome) Redhead, Vilgalys & Moncalvo, 2001), Romagn., (1952); among *Acacia*'s vegetables: Tanger (Cherf-el-Akab & Tanger).

- \**Coprinus comatus* (O.F. Müll.) Pers., (1797); Plains, mountains, gardens, pastures and woodlands: Lns & Sns: Tanger (Cherf el Akab & Tanger).
- \**Coprinus curtus* Kalchbr., (1881), (= *Coprinellus curtus* (Kalchbr.) Vilgalys, Hopple & Jacq. Johnson, 2001); on horses' droppings: Tanger.
- \**Coprinus disseminatus* (Pers.) Gray, (1821), (= *Coprinellus disseminatus* (Pers.) J.E. Lange., 1938); beneath the trees: littoral & Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Coprinus heptemerus* M. Lange & A.H. Sm., (1953), (= *Coprinellus heptemerus* f. *heptemerus* (M. Lange & A.H. Sm.) Vilgalys, Hopple & Jacq. Johnson, 2001); goat's dungs & dropping: Larache & Tanger (Cherf-el-Akab & Tanger) & Sns: Larache (El Araïch).
- \**Coprinus insignis* Peck, (1874), (= *Coprinopsis insignis* (Peck) Redhead, Vilgalys & Moncalvo, 2001); at the base of dead stumps or live tree leaves or needles in plain & mountain, on *Q. suber*: from Rabat to Tanger & Sns: Larache & Tanger (Cuesta Colorada & Tanger).
- \**Coprinus lagopus* (Fr.) Fr., (1838), (= *Coprinopsis lagopus* var. *lagopus* (Fr.) Redhead, Vilgalys & Moncalvo, 2001), sensu Buller, (= *Coprinopsis radiata* (Bolton) Redhead, Vilgalys & Moncalvo, 2001); on ground, plain & mountain: Larache.
- \**Coprinus Lagopus* var. *schaerosporus* Kühner & Joss., (1944), (= *Coprinopsis jonesii* (Peck) Redhead, Vilgalys & Moncalvo, 2001); sous *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Coprinus micaceus* (Bull.) Fr., (1838), (= *Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson, 2001), sensu Lange, auct., (= *Coprinellus truncorum* (Scop.) Redhead, Vilgalys & Moncalvo, 2001); on *Q*'s wood. *suber*: Tanger (Cherf-el-Akab & Ziatene) & Sns: Tanger.
- \**Coprinus patouillardii* Qué., (1884), sensu Dennis, Orton & Hora, (= *Coprinopsis cordispora* (T. Gibbs) P.M. Kirk ined., 2010); on dungs: Tanger (Jbel Kbir & Perdicaris) & Sns: Tanger.
- \**Coprinus pellucidus* P. Karst., (1882), (= *Coprinellus pellucidus* (P. Karst.) Redhead, Vilgalys & Moncalvo, 2001); on dungs: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Coprinus picaceus* (Bull.) Gray, (1821), (= *Coprinopsis picacea* (Bull.) Redhead, Vilgalys & Moncalvo, 2001); on the ground, among the leaves, mixed wood & under *Q. suber*: littoral, Larache (Khemiss-de-Sahel) & Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Lalla Mimouna (Ferjana), Larache (Khemiss-de-Sahel & Larache) & Tanger (Cherf el Akab, Cuesta Colorada & Tanger).
- \**Coprinus plicatilis* (Curtis) Fr., (1838), (= *Parasola plicatilis* (Curtis) Redhead, Vilgalys & Hopple, 2001); in the grass, brush & Forests, Isolated & often grafted onto menus buried woody debris: all along coastal & mountain. Lns: on smoked ground: Tanger & Sns: Larache & Tanger (Cherf el Akab).
- \**Coprinus poliommallus* Romagn., (1945); on freshly smoked ground in a garden: Tanger (Ziatene) & on dungs: Larache (El Araïch & Larache).
- \**Coprinus radians* (Desm.) Fr., (1838), (= *Coprinellus radians* (Desm.) Vilgalys, Hopple & Jacq. Johnson, 2001); on strains & deciduous trees rotten wood, especially *Q. suber* & de *Q. ilex*: from Rabat to Tanger (in the forests of coastal & the mountain) & Sns: Tanger.
- \**Coprinus radiatus* (Bolton) Gray, (1821), (= *Coprinopsis radiata* (Bolton) Redhead, Vilgalys & Moncalvo, 2001), sensu Rea (1922), (= *Coprinopsis pseudoradiata* (Kühner & Joss. ex Watling) Redhead, Vilgalys & Moncalvo, 2001); on dung: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Coprinus saccharinus* Romagn., (1976), (= *Coprinellus saccharinus* (Romagn.) P. Roux, Guy Garcia & Dumas, 2006); in several tufts at the base of a decaying Acacia cyanophilla: Tanger (Ziatene) & Sns: Tanger.
- \**Coprinus stellatus* Buller, (1929), Sacc., (1916); on dung: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Coprinus stercorarius* Fr., (1874), (Bull.) Fr., (1838), (= *Coprinopsis stercorea* (Fr.) Redhead, Vilgalys & Moncalvo, 2001), sensu Lange [Fl. Ag. Dan. 4: 114 & pl. 159A (1939)], (= *Coprinopsis tuberosa* (Qué.) Doveri, Granito & Lunghini, 2005); on goats's dungs and droppings: Tanger (Ziatene & Jbel Kbir), on dungs: Larache & Sns: Tanger.
- \**Coprinus sterquilinus* (Fr.) Fr., (1838); fresh meadows or frequently grazed forests, on gardens's smoked ground: Tanger (Cherf-el-Akab, Malabata) & Sns: Tanger (Cherf el Akab & Tanger).
- \**Coprinus tergiversans* (Fr.) Fr., (1838), sensu Ricken, (= *Coprinus silvaticus* Peck, 1872). Sns: Lalla Mimouna.
- \**Coprinus tigrinellus* Boud., (1885), (= *Coprinopsis tigrinella* (Boud.) Redhead, Vilgalys & Moncalvo, 2001); on *Carex hispida*'s debris: Tanger (Cherf-el-Akab).
- \**Coprinus utrifer* Joss., (1948), Joss. ex Watling, (1972), (= *Coprinopsis utrifer* (Joss. ex Watling) Redhead, Vilgalys & Moncalvo, 2001). Sns: Tanger.
- \**Crucibulum vulgare* Tul. & C. Tul., (1844), (= *Crucibulum laeve* (Huds.) Kambly, 1936). Sns: Tanger.
- \**Cyathus olla* (Batsch) Pers., (1801); on plants buried derbis: Larache & Mamora forest, under *Acacia mollissima*, *Q. suber*, *Pinus canariensis* & *P. pinea*: Larache forest & Lns: Tanger.
- \**Cyathus stercoreus* (Schwein.) De Toni, (1888); common in forest & in wasteland: Lns.

- \**Coprinus xanthothrix* Romagn., (1941), (= *Coprinellus xanthothrix* (Romagn.) Vilgalys, Hopple & Jacq. Johnson, 2001); on ground, fascicled near or in contact of *Q. suber* old stumps: Tanger. (Cherf-el-Akab) & Sns: Tanger.
- \**Disciseda candida* (Schwein.) Lloyd, (1902); frequently in sandy spaces, mainly along mule tracks where it is dug up by animals: Lns.
- \**Geaster asper* Lloyd (1902), (= *Geastrum asperum* Lloyd, 1902). Sns: Tanger.
- \**Geaster fimbriatus* Tul. & C. Tul., (1842), Fr., (1829), (= *Geastrum fimbriatum* Fr., 1829). Sns: Tanger.
- \**Geaster pectinatus* Pers., (1801), (= *Geastrum pectinatum* Pers., 1801). Sns: Tanger.
- \**Geaster rufescens* sensu Kits van Waveren, (1926), (= *Geastrum rufescens* Pers., 1801). Sns: Larache & Tanger.
- \**Geaster triplex* Jungh., (1840), (= *Geastrum triplex* Jungh., 1840). Sns: Tanger.
- \**Gyrophragmium delilei* Mont. (1843); coastal and inland dunes, Mamora forest.
- \**Lepiota acutesquamosa* var. *furcata* Kühner, (1936), (= *Echinoderma asperum* (Pers.) Bon, 1991); Sns: Tanger (Cherf el Akab).
- \**Lepiota brunneoincarnata* Chodat & C. Martín, (1889); under oaks (*Quercus suber*, *Q. ilex*): Tanger and Sns: Tanger.
- \**Lepiota castanea* Quél., (1881); under pines: Tanger and Sns: Tanger.
- \**Lepiota citrophylloides* (Berk. & Broome) Sacc., (1887), sensu Cooke, auct. eur, (= *Lepiota xanthophylla* P.D. Orton, 1960); une récolte sous *Acacia cyanophylla*: Tanger (Cherf-el-Akab) and Sns: Tanger.
- \**Lepiota clypeolaria* (Bull.) P. Kumm., (1871), sensu Rea [Brit. Basidio. p. 69 (1922)], (= *Lepiota magnispora* Murrill, 1912); in oaks and under *Acacia*, *Pinus*, *Cedrus* & *Abies pinsapo*, in lowland and moutains: Lns and Sns: Tanger (Cherf el Akab, Cuesta Colorada, Jbel Kbir & Tanger).
- \**Lepiota clypeolaria* var. *latispora* Kühner, (1956), Kühner ex Wasser 1978, (= *Lepiota subgracilis* Wasser, 1978); under *Acacia* and *Pinus*: Tanger (Perdicaris, Cherf-el-Akab) and Sns: Tanger.
- \**Lepiota clypeolaria* var. *typica*. (?); under *Q. suber*, around Tanger.
- \**Lepiota cristata* Barla, (Bolton) P. Kumm., (1871); in lowland and moutains; under *Q. suber*, Tanger (Cherf-el-Akab) and Sns: Tanger.
- \**Lepiota excoriata* (Schaeff.) P. Kumm., (1871), (= *Macrolepiota excoriata* (Schaeff.) Wasser, 1978); under *Q. suber*: Lalla Mimouna and Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache (Khmis-of-Sahel and Larache) and Tanger (Cherf-el-Akab, Donabo and Tanger).
- \**Lepiota excoriata* var. *typica* Maire, (1937). Pastures and bushes, *Quercus*' forest: Cap Sparetel; Larache and in pastures and bushes, oaks' forest (*Q. suber*, *Q. ilex*, *Q. pyrenaica*), under *acacia*, *Pinus* and *Cedrus*), common in lowland and moutains and coast: Lns.
- \**Lepiota forquignoni* Quél., (1885). Sns: Larache.
- \**Lepiota georginae* (W.G. Sm.) Sacc., (1887), (= *Leucoagaricus georginae* (W.G. Sm.) Candusso., 1970); Sns: Tanger (Perdicaris and Tanger).
- \**Lepiota griseovirens* Maire, (1928), sensu Vellinga [FAN 5: 135 (2001)], (= *Lepiota obscura* (Locq. ex Bon) Bon, 1993); Sns: Larache.
- \**Lepiota helveola* Bres., (1881), Barla, (1888), sensu Reid [TBMS 84: 719 (1985)], (= *Lepiota brunneolilacea* Bon & Boiffard, 1972), sensu Rea (1922), (= *Lepiota brunneoincarnata* Chodat & C. Martín, 1889); oaks or cedrat's forests pastures: Tanger (Cherf-el-Akab) and Sns: Tanger.
- \**Lepiota ignipes* Locq., (1952), Locq. ex Bon, (1978), (= *Lepiota castanea* Quél., 1881); under *Pinus*, Tanger (Jbel Kbir) and Larache and Sns: Larache.
- \**Lepiota lilacea* Bres., (1892). Sns: Tanger.
- \**Lepiota macrorhiza* (Locq.) Kühner & Romagn., (1953), (= *Leucoagaricus barssii* (Zeller) Vellinga, 2000); one harvest, Sns, Tanger.
- \**Lepiota mastoidea* (Fr.) P. Kumm., (1871), (= *Macrolepiota mastoidea* (Fr.) Singer, 1951); oaks' forests, *Acacia*'s and *Eucalyptus*' plantations and in cedrat either: Atlantic coast from Tanger to Rabat, under *Q. suber*: Larache (Khmis-of-Sahel and Larache) and Lalla Mimouna and Sns: Lalla Mimouna, Larache and Tanger (Cherf-el-Akab, Donabo, Diplomatic forest and Tanger).
- \**Lepiota metulisporea* (Berk. & Broome) Sacc., (1887), sensu auct., Berkeley & Broome [Notices no. 1182 (1871)], (= *Lepiota magnispora* Murrill, 1912); a single harvest under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger (Cuesta Colorada & Tanger).
- \**Lepiota naucina* (Fr.) P. Kumm., (1871), (= *Leucoagaricus leucothites* (Vittad.) Wasser, 1977); gardens, crops, wasteland, scrub, grassy areas of woodland of the plains and mountains, irrigated turf: Atlantic coast from El Jadida to Tanger & Sns: Larache & Tanger.
- \**Lepiota pallida* Locq., (1945), Locq. ex Bon & Candusso, (1990); on an embankment along the road: Tanger (Jbel Kbir) & Sns: Tanger.

\**Lepiota procera* (Scop.) Gray, (1821), (= *Macrolepiota procera* var. *procera* (Scop.) Singer, 1948); pasture and scrub: Tanger, pasture and scrub, forests of *Quercus*, *Cerdus* & *Pinus*, Littoral, montagnes & Meseta Littorale: from Casablanca to Tanger, under *Q. suber*: Larache (Khmis-of-Sahel & Larache) and Lalla Mimouna & Sns: Lalla Mimouna, Larache (Khmis-of-Sahel & Larache) & Tanger (Cherf-el-Akab, Donabo, diplomatie Forest, Jbel Kbir, Perdicaris & Tanger).

\**Lepiota rhacodes* (Vittad.) Quél., (1872); under the oaks (*Q. faginea*, *Q. suber*), *Eucalyptus*, *Pinus*, Tanger & Sns: Larache & Tanger (Cherf-el-Akab and Tanger).

\**Lepiota seminuda* (Lasch) P. Kumm., (1871), (= *Cystolepiota seminuda* (Lasch) Bon, 1972); under *Erica arborea* & *Pinus pinea*: Tanger (Jbel Kbir, Perdicaris) & Sns: Tanger.

\**Lepiota serena* (Fr.) Sacc., (1880), (= *Leucoagaricus serenus* (Fr.) Bon & Boiffard, 1974), sensu Lange, (= *Leucoagaricus sericifer* (Locq.) Vellinga, 2000); grassy clearings of *Quercus*' woods: Tanger (Cherf-el-Akab).

\**Lepiota setulosa* J.E. Lange, (1935), (= *Lepiota echinella* var. *echinella* Quél. & G.E. Bernard, 1888). Sns, Tanger.

\**Lepiota subincarnata* J.E. Lange, (1940); under *Pinus pinea*, in the grassy clearings, Tanger (Cherf-el-Akab, Malabata) & Larache & Sns: Larache.

\**Lycoperdon atropurpureum* Vittad., (1842), sensu auct, (= *Lycoperdon molle* Pers., 1801); common in forest, in october: Tanger.

\**Lycoperdon decipiens* var. *decipiens* Durieu & Mont., (1848). Sns: Larache.

\**Lycoperdon furfuraceum* JF Gmel., (1792), Batsch, (1783), Schaeff., (1770), (= *Bovista aestivalis* (Bonord.) Demoulin, 1979). Sns: Larache & Tanger (Cherf el-Akab, diplomatie forest).

\**Lycoperdon gemmatum* Schaeff., (1774), Batsch, (1783), (= *Lycoperdon perlatum* Pers., 1796), Vahl, (1794), Bonord., (1851). Sns: Larache & Tanger (Cherf el Akab, diplomatie forest & Donabo).

\**Lycoperdon perlatum* Pers., (1796); under *Q. suber*: Lalla Mimouna (forest of Ferjana) & Larache. (Larache & Khemis-of-Sahel).

\**Lycoperdon piriforme* Schaeff., (1774), (= *Lycoperdon pyriforme* Schaeff., 1774). Sns: Tanger.

\**Lycoperdon pusillum* Batsch, (1789), (= *Bovista pusilla* (Batsch) Pers., 1801), Hedw. 1780, sensu auct. NZ, (= *Bovista aestivalis* (Bonord.) Demoulin, 1979), sensu auct. mult, (= *Lycoperdon dermoxanthum* Vittad., 1843), Fr., Cooke. Sns: Tanger & Larache.

\**Lycoperdon rollandii* Pat., (1898). Sns: Tanger.

\**Lycoperdon umbrinum* Pers., (1801), Hornem., (1823), sensu auct, (= *Lycoperdon molle* Pers., 1801). Sns: Tanger (Cherf. el Akab).

\**Psalliota annae* Pilát, (1951); under *Acacia cyanophylla*: Tanger (Cherf-el-Akab).

\**Psalliota arvensis* (Schaeff.) Gillet, (1878), (= *Agaricus arvensis* Schaeff., 1774); Clearings, pastures & coastal regions: Tanger & Larache & Sns: Tanger & Larache.

\**Psalliota augusta* (Fr.) Quél., (1872), (= *Agaricus augustus* Fr., 1838); under *Acacia*, *Eucalyptus* and *Pinus*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.

\**Psalliota benesii* Pilát, (1925), (= *Agaricus benesii* (Pilát) Pilát, 1951); in a wood of *Q. suber*, under *Acacia cyanophylla*: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Psalliota bernardii* (Quél.) Quél., (1879), (= *Agaricus bernardii* Quél., 1878); wastelands and grassy clearings near the sea or at least in the coastal region: Tanger (Cherf-el Akab, Ziatene) & Sns: Tanger.

\**Psalliota bispora* (J.E. Lange) F.H. Møller & Jul. Schäff., (1938), (= *Agaricus bisporus* (J.E. Lange) Imbach, 1946).

\**Psalliota bispora* f. *bispora* (J.E. Lange) F.H. Møller & Jul. Schäff. (1938); clearings, pastures and gardens: regions of Tanger & Sns: Tanger.

\**Psalliota campestris* (L.) Quél., (1872), (= *Agaricus campestris* var. *campestris* L., 1753); clearings, pastures and gardens, in all the coastal regions: Larache and Tanger & Sns: Tanger (Cherf El- Akab, Donabo & Tanger).

\**Psalliota comtula* (Fr.) Quél., (1872), (= *Agaricus comtulus* (Fr.) Quél., 1872); woods and grassy clearings at *Q. suber*, *Q. faginea* & *Q. ilex*: Coastal Rabat to Tanger & Sns: Tanger.

- \**Psalliota depauperata* F.H. Møller, (1950), (= *Agaricus depauperatus* (F.H. Møller) Pilát, 1951); under *Q. suber* & *Pinus pinea*: Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris).
- \**Psalliota edulis* (Vittad.) N.F. Buchw., (1938), (= *Agaricus bitorquis* (Quél.) Sacc., 1887); grassy clearings: Tanger (Cherf-el-Aakab) & Sns: Tanger.
- \**Psalliota excellens* F.H. Møller, (1952), (= *Agaricus urinascens* var. *excellens* (F.H. Møller) Nauta, 2000); under *Acacia cyanophylla*: Tanger (Cherf-el-Akab).
- \**Psalliota fissurata* F.H. Møller, (1952), (= *Agaricus arvensis* Schaeff., 1774); pastures and woods of *Quercus*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Psalliota gennadii* (Chatin & Boud.) Malençon & Bertault, (1970), (= *Agaricus gennadii* (Chatin & Boud.) P.D. Orton, 1960); under *Eucalyptus* sp.: Tanger (Cherf-el-Akab).
- \**Psalliota haemorrhoidaria* (Schulzer) Richon & Roze, (1888), (= *Agaricus sylvaticus* Schaeff., 1774); under *Eucalyptus*, *Q. suber* and *Acacia cyanophylla*: Tanger (Cherf-el-Akab) & Larache (El Khmiss-of-Sahel) & Sns: Larache & Tanger.
- \**Psalliota ingrata* F.H. Møller, (1950), (= *Agaricus bernardii* Quél., 1878); under *Acacia* & *Pinus*: Tanger (Cherf-el Akab) & Sns: Tanger.
- \**Psalliota langei* F.H. Møller, (1950), (= *Agaricus langei* (F.H. Møller) F.H. Møller, 1952); under *Acacia*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Psalliota luteomaculata* F. H. Møller, (1952), (= *Agaricus luteomaculatus* (F.H. Møller) F.H. Møller, 1952); under *Pinus halepensis*: Tanger (Cherf-el Akab).
- \**Psalliota meleagris* Jul. Schäff., (1925), (= *Agaricus moelleri* Wasser, 1976); wood of *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Psalliota purpurascens* (Cooke) F.H. Møller, (1952), (= *Agaricus porphyrizon* P.D. Orton, 1960); under *Acacia mollissima* and *Q. suber*: Tanger & Larache & Sns: Lalla Mimouna, Larache & Tanger (Cherf. El Akab).
- \**Psalliota semota* (Fr.) Ricken, (1915), (= *Agaricus semotus* Fr., 1863), sensu NCL (1960) and sensu auct. mult., (= *Agaricus dulcidulus* Schulzer, 1874); under *Q. faginea*, *Q. ilex*, *Q. suber*, *Pinus* & *Cerdus*: Lalla Mimouna, Larache, Tanger & Sns: Lalla Mimouna, Larache & Tanger (Cherf el Akab, Jbel Kbir, Perdicaris & Tanger).
- \**Psalliota sylvatica* (Schaeff.) P. Kumm., (1871), (= *Agaricus sylvaticus* Schaeff., 1774); under *Pinus*: Tanger & Sns: Lalla Mimouna (Ferjana) & Tanger (Perdicaris & Tanger).
- \**Psalliota sylvicola* (Vittad.) Richon & Roze, (1885), (= *Agaricus sylvicola* (Vittad.) Peck, 1872); forests of *Pinus* & *Quercus* of the coastal region: between Rabat and Tanger & Sns: Lalla Mimouna & Tanger (Cherf el Akab).
- \**Psalliota spissa* F.H. Møller, (1950), (= *Agaricus litoralis* (Wakef. & A. Pearson) Pilát, 1952); under *Acacia*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Psalliota variegata* F.H. Møller, (1950), (= *Agaricus impudicus* (Rea) Pilát, 1951); wood of *Quercus* mixed with *Pinus*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Psalliota xanthoderma* (Genev.) Richon & Roze, (1885), (= *Agaricus xanthoderma* Genev., 1876); pastures, wreckage, forests under *Quercus*, *Acacia* & *Eucalyptus*: from Rabat to Tanger & Sns: Tanger (Cherf el Akab).
- \**Montagnites candollei* Speg., (1914), Fr., (1838), (= *Montagnea candollei* (Fr.) Fr., 1854); sands of the coast & interior: Tanger.
- \**Mycenastrum corium* (Guers.) Desv., (1842). Sns: Tanger.
- \**Secotium acuminatum* Mont., (1848). Sns: Lns.
- \**Secotium arizonicum* Shear & Griffiths, (1902), (= *Endoptychum arizonicum* (Shear & Griffiths) Singer & A.H. Sm., 1958). Sns: Larache.
- \**Tulostoma campestre* Morgan, (1889). Sns: Tanger.
- \**Tulostoma mammosum* P. Micheli ex Fr., (1829), (= *Tulostoma brumale* Pers., 1794), Vittad., (1842), Lév., (1846). Sns: Tanger.
- \**Vascellum depressum* (Bonord.) F. Šmarda, (1958), (= *Lycoperdon pratense* Pers., 1797). Sns: Tanger (Cherf-el-Akab).

**Family: Amanitaceae**

\**Amanita aspera* (Pers.) Pers., (1800), (= *Echinoderma asperum* (Pers.) Bon, 1991), sensu auct. mult., (= *Amanita franchetii* (Boud.) Fayod, 1889); under the cork oaks (*Q. mirbeckii* & *Q. suber*): Larache (Khemiss-of-Sahel) & close to Tanger.

\**Amanita aspera* var. *francheti* Boud., (1881), (= *Amanita franchetii* (Boud.) Fayod, 1889). Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cuesta Colorada & Tanger).

\**Amanita aspera* f. *lactella* E.-J. Gilbert ex Bertault, (1980). Sns: Larache (Themis-of-Sahel & Larache) & Tanger (Cuesta Colorada).

\**Amanita baccata* (Fr.) Gillet, (1874); under the *Quercus*: Larache.

\**Amanita boudieri* Barla, (1887); sandy woodlands in *Q. suber* & *pinus pinea*: coastal plateau, Larache & tanger & Sns: Larache & Tanger.

\**Amanita Caesarea* (Scop.) Pers., (1801); under *Q. suber*: Larache (khemis-of-Sahel & Larache) & Sns: Larache (khemis-of-Sahel & Larache) & Tanger (Cherf el Akab, Cuesta Colorada & Tanger).

\**Amanita citrina* (Schaeff.) Pers., (1797), sensu Stevenson, (= *Amanita phalloides* (Vaill. ex Fr.) Link, 1833); under the oaks (*Q. faginea*, *Q. Ilex*, *Q. Pyrenaila*, *Q. Suber*): coastal plateau, under *Q. suber*: Larache (khemis-of-Sahel & Larache), Tanger & Lalla Mimouna & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache (khemis-of-Sahel & Larache) & Tanger (Cherf el Akab, Cuesta Colorada, Donabo, Jbel Kbir, Perdicaris & Tanger).

\**Amanita citrina* var. *eucitrina* Maire, (1937); under the *Quercus*: Tanger.

\**Amanita codinae* (Maire) Bertault, (1955); wasteland & woodland (*Quercus*, *Eucalyptus*) in heavy soil slightly damp: Tanger (Cherf-el-Akab) & Sns: Tanger (Cherf el Akab & Tanger).

\**Amanita crocea* (Quél.) Singer, (1951); oaks (*Q. Suber*): coastal plateau & Tanger & Sns: Lalla Mimouna, Larache (Khemis-of-Sahel & Larache) & Tanger (Cherf el Akab & Tanger).

\**Amanita curtipes* E.-J. Gilbert, (1941); woodlands & sandy sheets: Meseta Littorale & Sns: Larache & Tanger (Cherf el Akab, Donabo, Jbel Kbir & Tanger).

\**Amanita eliae* Quél., (1872); *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Larache & Tanger.

\**Amanita eliae* f. *griseovelata* Bertault, (1965). Sns: Tanger (Jbel Kbir).

\**Amanita excelsa* (Fr.) P. Kumm., (1871); under *Eucalyptus* & *Quercus*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Amanita gemmata* (Fr.) Gillet., (1874); under *Acacia*, *Eucalyptus* & *Pinus*: from Tanger to Larache & sns: Larache & Tanger (Donabo, Jbel Kbir, Perdicaris & Tanger).

\**Amanita gemmata* f. *amici* (Gillet) E.-J. Gilbert, (1941). Sns: Larache (khemis-of-Sahel & Larache).

\**Amanita gilberti* Beauseigneur, (1926); sandy clearings wood's *Quercus* & plantations of *pinus*: region of Tanger-Larache & under *Q. suber*: Larache (Khemis-of-Sahel & Larache) & Sns: Larache & Tanger.

\**Amanita gilberti* f. *Subverna* Bertault et A.G. Parrot, (1965); under *Q. suber*, *Pinus pinea* & *P. pinaster*: Tanger-Larache & Sns: Larache & Tanger (Cherf el Akab & Diplomatie Forest).

\**Amanita inaurata* Secr, (1833), Secr. ex Gillet, (1874), (= *Amanita ceciliae* (Berk. & Broome) Bas, 1984); wooded scrub & light oak in *Q. ilex*, *Q. pyrenaica* & *Q. suber*: Tangérois & Cuesta colorada (between Tanger & Asilah) & under the *Quercus*: Tanger to Agla.

\**Amanita mairei* Foley, (1949), sensu auct. mult., (= *Amanita argentea* Huijsman, 1959); woodlands, scrub & brushwood the Meseta, under *Pinus pinea*: Tanger (Jbel Kbir, Perdicaris) & Sns: Larache & Tanger (Cherf el Akab, Dar Chaoui & Tanger).

\**Amanita muscaria* (L.) Lam., (1783); under *Acacia*, *Eucalyptus*, *Pinus halepensis*, *P. pinaster*, *Q. suber* & *cedros* in forests & plantations of the plain: Larache, Tanger & Lalla Mimouna & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache & Tanger (Jbel Kbir & Tanger).

\**Amanita ovoidea* (Bull.) Link, (1833); under *Pinus pinea*: Tanger (Malabata) & Sns: Tanger.

\**Amanita pantherina* (D.C.) Krombh, (1846), sensu Gonnermann & Rabenhorst, (1869); oak and pine: coastal plateau, Tanger, Larache and Lalla Mimouna, under *Q. suber*: Larache (Themis-of-Sahel & Larache) & sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache (Khemis-of-Sahel & Larache) & Tanger (Donabo, Jbel Kbir, Cherf el Akab & Tanger).

\**Amanita phalloides* (Vaill. ex Fr.) Link, (1833), Secr., (1833); oaks (*Q. suber*): coastal plateau, Lalla Mimouna & Larache (Khemis-of-Sahel & Larache) & sns: Lalla Mimouna. (Ferjana & Lalla Mimouna), Larache (Khemis-of-Sahel & Larache) & Tanger (Cherf el Akab & Tanger).

- \**Amanita phalloides* var. *euphaloides* Maire, (1937); under the *Quercus*: Tanger.
- \**Amanita ponderosa* G. Malençon et R. Heim, (1944); cork oak & plantations (*Eucalyptus*, *Pinus*): Tangier, Larache, & coastal plateau & Sns: Larache & Tanger (Perdicaris & Tanger).
- \**Amanita porphyria* Alb. & Schwein., (1805); a single harvest under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Amanita rubescens* Pers., (1797); under the oaks & the conifers: coastal plateau, under *Q. suber*: Lalla Mimouna and Larache (Khemis-of-Sahel) & Sns: Lalla Mimouna. (Ferjana & Lalla Mimouna), Larache (Khemis-of-Sahel & Larache) & Tanger (Akba Hamra, Jbel Kbir, Cherf el Akab, Perdicaris & Tanger).
- \**Amanita spissa* (Fr.) P. Kumm., (1871), (= *Amanita excelsa* var. *spissa* (Fr.) Neville & Poumarat, 2004); under the *Eucalyptus* & *Quercus*: Tanger & Larache & Sns: Larache & Tanger (Akba Hamra, Cherf el Akab, Donabo & Tanger).
- \**Amanita spreta* (Peck) Sacc., (1887); under *Q. suber*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Amanita vaginata* (Bull.) Lam., (1783), oaks: coastal plateau, under *pinus*: Tanger, under *Q. suber*: Larache (Khemis-of-Sahel & Larache) & Sns: Lalla Mimouna. (Ferjana) and Tanger (Cherf-el-Akab).
- \**Amanita vaginata* var. *fulva* (Fr.) Gillet, (1874), (= *Amanita fulva* Fr., 1815). Sns: Larache & Tanger.
- \**Amanita vaginata* var. *plumbea* (Schaeff.) Qué. & Bataille, (1902), (= *Amanita vaginata* (Bull.) Lam., 1783); under the *Quercus*: Larache & Tanger.
- \**Amanita valens* (E.-J. Gilbert) Bertault, (1980), in sandy soils, in the woods of *Quercus* & plantations of *pinus*: coastal plateau, especially between Tanger & Lalla Mimouna, under *Q. suber*: Larache & Sns: Lalla Mimouna. (Ferjana), Larache & Tanger (Cherf-el-Akab & Tanger).
- \**Amanita verna* (Bull.) Lam., (1783), Secr., (1833), sensu Rea (1922), (= *Amanita virosa* (Fr.) Bertill., 1866); chênaies: coastal plateau from Casablanca to Tanger, under *Q. suber*: Larache (Khemis-of-Sahel) & Sns: Larache (Khemis-of-Sahel & Larache) & Tanger (Cherf-el-Akab).
- \**Amanita vittadinii* (Moretti.) Vittad., (1826), fallow and plowing in heavy soil slightly damp: Tanger (Daya Daïdate) & Sns: Tanger.
- \**Limacella furnacea* (Letell.) E.-J. Gilbert, (1928); under *Pistacia lentiscos*: Tanger (Cherf-el-Akab), under the oaks (*Q. suber*) or mixed pine f *Q. coccifera*: region of Tanger & Larache & Sns: Tanger.
- \**Torrendia pulchella* Bres., (1902), (= *Amanita torrendii* Justo, 2010), scrub of sandy land: Lalla Mimouna (Lalla Mimouna, forest of Ferjana), Larache, Tanger (Jbel Kbir) & forest of Mamora.

### Family: Bolbitiaceae

- \**Bolbitius fragilis* (L.) Fr., (1838), (= *Bolbitius titubans* var. *titubans* (Bull.) Fr., 1838); on rotting debris of *Carex hispida*: Tanger (Cherf-el-Akab & Tanger).
- \**Bolbitius leucomelas* (?). Sns: Tanger.
- \**Bolbitius vitellinus* (Pers.) Fr., (1838), (= *Bolbitius titubans* var. *titubans* (Bull.) Fr., 1838). Sns: Tanger.
- \**Bolbitius vitellinus* var. *typicus* Kühner & Romagn.( ?); on rotting straw, in the prairie grass on the edge of the *Q. ilex* woods: Tanger (Ziatine).
- \**Conocybe lactea* (J.E. Lange) Métrod, (1940), (= *Conocybe apala* (Fr.) Arnolds, 2003); lawns, pastures and grassy places: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Conocybe laricina* (Kühner) Kühner, (1935), (= *Conocybe dumetorum* (Velen.) Svrček, 1956). Sns: Tanger.
- \**Conocybe leucopus* Kühner ex Kühner & Watling, (1983), on wet soil: Tanger (Ziatene) and Sns: Tanger.
- \**Conocybe nana* (?). Sns : Tanger.
- \**Conocybe ochracea* (Kühner) Singer, (1959), sensu auct., (= *Conocybe siennophylla* (Berk. & Broome) Singer, 1955), sensu NCL (1960), Phillips (1981), (= *Conocybe velutipes* (Velen.) Hauskn. & Svrček, 1999). Sns: Tanger.
- \**Conocybe rickenii* (Jul. Schäff.) Kühner, (1935). Sns: Tanger.
- \**Conocybe submelinoides* (?). Sns : Tanger.
- \**Conocybe tenera* (Schaeff.) Fayod, (1889), sensu auct. brit. p.p., (= *Conocybe pulchella* (Velen.) Hauskn. & Svrček, 1999); grassy places of the plains and the mountains, but, sometimes in forests and even in the needles of cedar, *Quercus* woods: Tanger (Jbel Kbir) & Larache & Sns: Tanger.



**Family: Clavariaceae**

- \**Clavaria acuta* Pers., (1822), Sowerby, (1803), (= *Clavaria acuta* Sowerby, 1803). Sns: Tanger (Agla).  
 \**Clavaria barlae* Bres., (1916). Sns: Tanger.
- \**Clavaria cinerea* Bull., (1788), (= *Clavulina cinerea* (Bull.) J. Schröt., 1888). Sns: Tanger.
- \**Clavaria cristata* Jungh., (Holmsk.) Pers., (1800), (= *Clavulina coralloides* (L.) J. Schröt., 1888). Sns: Tanger (Agla & Tanger).
- \**Clavaria juncea* Lév., (Alb. & Schwein.) Fr., (1818), (= *Macrotyphula juncea* (Alb. & Schwein.) Berthier, 1974). Sns: Tanger.
- \**Clavaria pistillaris* Schumach., (1803), Bolton, (1790), Lour., (1790), Schaeff., (1763), L., (1753), (= *Clavariadelphus pistillaris* (L.) Donk, 1933). Sns: Tanger.
- \**Clavaria vermicularis* Sw., (1811), J.F. Gmel., (1792), Batsch., (1783). Sns: Tanger.
- \**Clavulinopsis corniculata* (Schaeff.) Corner, (1950). Sns: Lalla Mimouna, Larache and Tanger (Jbel Kbir & Tanger).
- \**Clavulinopsis luteoalba* (Rea) Corner, (1950). Sns: Tanger.
- \**Clavulinopsis pulchra* (Peck) Corner, (1950), (= *Clavulinopsis laeticolor* (Berk. & M.A. Curtis) R.H. Petersen, 1965). Sns: Tanger (Perdicaris & Tanger).
- \**Clavulinopsis tenella* (Boud.) Corner, (1950). Sns: Tanger.
- \**Mucronella aggregata* (Fr.) Fr., (1863), (= *Mucronella calva* (Alb. & Schwein.) Fr., 1874); on *Pinus insignis*: Tanger.

**Family: Cortinariaceae**

- \**Cortinarius acutus* (Pers.) Fr., (1838); under *Pinus*: Tanger (Perdicaris & Cherf-el-Akab) & Sns: Tanger.
- \**Cortinarius anomalus* (Fr.) Fr., (1838); under *Q. suber*: Tanger (cuesta colorada (=Akba-Hamra)) & Lalla Mimouna & Sns: Lalla Mimouna, Larache & Tanger (Akba Hamra & Tanger).
- \**Cortinarius anthracinus* (Fr.) Sacc., (1887). Sns: Tanger.
- \**Cortinarius argentatus* (Pers.) Fr., (1838), sensu Kauffmann, (= *Cortinarius argenteopileatus* Nezdobjm., 1983) Sns: Larache.
- \**Cortinarius balteatus* (Fr.) Fr., (1838), sensu auct., (= *Cortinarius balteatocumatilis* Rob. Henry ex P.D. Orton, 1960); under *Q. suber*, Tanger.
- \**Cortinarius bicolor* Gray 1821, (= *Lepista nuda* (Bull.) Cooke, 1871), Cooke, (1873), (= *Cortinarius cagei* Melot [as 'cageii'], 1990); under *Q. suber*: Tanger (Cherf-El-Akab & Jbel Kbir) & Sns: Larache & Tanger.
- \**Cortinarius Boudieri* Rob. Henry, (1936). Sns: Tanger.
- \**Cortinarius bovinus* Fr., (1838), sensu Lange [Fl. Ag. Dan. 3: 37 & pl. 98 C&D (1938)], (= *Cortinarius bulbosus* (Sowerby) Gray, 1821); oaks forest: Larache & Sns: Lalla Mimouna (Ferjana), Larache (Khemis-of-Sahel) & Tanger (Cuesta Colorada).
- \**Cortinarius brunneus* (Pers.) Fr., (1838), sensu Cooke [Ill. Brit. Fung. 810 (854) Vol. 6 (1887)], (= *Cortinarius disjungendus* P. Karst., 1893); under *Q. suber* & *Pinus*: Larache, Tanger & littoral et Sns: Lalla Mimouna (Ferjana), Larache & Tanger.
- \**Cortinarius bulliardi* (Pers.) Fr., (1838); under *Q. suber*: Larache (Khemis-of-Sahel & Larache), Tanger (Cherf-el-Akab) & Sns: Larache (Khemis-of-Sahel & Larache) & Tanger.
- \**Cortinarius bulliardi* f. *Decoratus* Rob. Henry, (1988); under *Q. suber*: Tanger (Cherf-el-Akab).

- \**Cortinarius caeruleus* (Schaeff.) Fr., (1838); under *Q. suber*: Larache (Larache & Khemis-of-Sahel), under *Pinus* and *Quercus*, Tanger (Cherf-el-Akab, Jbel Kbir) & Larache (Khemiss-of-Sahel) & Sns: Larache & Tanger (Cherf-el-Akab & Tanger).
- \**Cortinarius caerulescentium* R. Henry., (?); under the oaks: Rharb (Lalla Mimouna).
- \**Cortinarius caesiocyaneus*. Britzelm., (1895). Sns: Larache.
- \**Cortinarius caesiostramineus* Rob. Henry, (1939); scarce under the Pines: Tanger (Jbel Kbir).
- \**Cortinarius calochrous* (Pers.) Gray, (1821); under *Q. suber*: Larache (Khemiss-of-Sahel).
- \**Cortinarius candelaris* Fr., (1838), sensu auct. mult., (= *Cortinarius rigens* (Pers.) Fr., 1838); under *Pinus* and *Quercus*: Tanger (Cherf-el-Akab & Jbel Kbir) & Larache (Khemiss-of-Sahel).
- \**Cortinarius castaneus* (Bull.) Fr., (1838); under *Q. suber*: Tanger (Cherf-el-Akab & Cuesta colorada) & Sns: Lalla Mimouna (Ferjana), Larache & Tanger (Cherf-el-Akab & Tanger).
- \**Cortinarius cedretorum* var. *suberetorum* Maire, (1937); under *Q. suber*: Larache (Khemiss-of-Sahel) & Sns: Larache & Tanger (Cherf el Akab & Tanger).
- \**Cortinarius cephalixus* Secr. ex Fr., (1838). Sns: Larache.
- \**Cortinarius cinnamomeolutescens* Rob. Henry (1940), (1988); in the mixed wood: Tanger (Jbel Kbir).
- \**Cortinarius cliduchus* Secr. ex Fr., (1836) Fr. ss. Ricken, Konrad & Maublanc, non M. Moser; var. *Ionophyllus* Malençon & Bertault (?); under *Pinus pinea* in a maquis at cists: Tanger (Malabata) & under *Q. suber*: Rharb (Lalla Mimouna).
- \**Cortinarius collinitus* (Pers.) Fr., (1838). Sns: Lalla Mimouna, Larache & Tanger.
- \**Cortinarius collinitus* var. *Typicus* A. H. Smith. (?); in the oak woods of the entire coastal area between Casablanca and Tanger.
- \**Cortinarius colus* Fr., (1838); under *Q. suber*: Tanger (Cherf-el-Akab) and Sns: Tanger.
- \**Cortinarius cumatilis* Fr., (1838). Sns: Larache.
- \**Cortinarius decipiens* (Pers.) Fr., (1838); under the cork oaks of the coastal region: Tanger and Larache & Sns: Larache.
- \**Cortinarius delibutus* Fr., (1838); under the woods of *Pinus* and *Quercus*: Tanger (Jbel kbir) & Sns: Tanger.
- \**Cortinarius dionysae* Rob. Henry, (1933); mixed wood: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Cortinarius duracinus* Fr., (1838), (= *Cortinarius rigens* (Pers.) Fr., 1838); under *Pinus* and *Quercus*: Tanger (Cherf-el-Akab & Jbel Kbir) & Larache: (Khemiss-of-Sahel) & Sns: Larache & Tanger.
- \**Cortinarius elatior* Fr., (1838); in the cork oak forests of the coastal zone: from Casablanca to Tanger, under *Q. suber*: Lalla Mimouna and Sns: Larache (Khemiss of Sahel and Larache) & Tanger (Cuesta Colorada, Cherf el Akab, Perdicaris, Tanger).
- \**Cortinarius emollitus* Fr., (1838); rare, under *Q. suber*: Tanger (Jbel Kbir, Cuesta Colorada) and Sns: Tanger.
- \**Cortinarius erythrinus* (Fr.) Fr., (1838), sensu Ricken [as *Hygrocybe erythrina*], Die Blatterpilze: 184 (1915)], (= *Cortinarius vernus* H. Lindstr. & Melot, 1994); oak (*Q. ilex*, *Q. Pyrenaica* & *Q. suber*) of the plain and the mountains: Tanger and Sns: Lalla Mimouna, Larache & Tanger (Perdicaris).
- \**Cortinarius evernius* (Fr.) Fr., (1838); under *Q. suber*: Larache and Tanger (Cherf-el-Akab.) & Sns: Larache & Tanger (Cherf-el-Akab & Tanger).
- \**Cortinarius glaucopus* (Schaeff.) Fr., (1838), sensu Rea (1922), (= *Cortinarius amoenolens* Rob. Henry ex P.D. Orton, 1960); under *Eucalyptus* & *Pinus*: Tanger (Cherf-el-Akab, Jbel Kbir), under *Q. suber*: Larache and Sns: Larache & Tanger.

- \**Cortinarius hemitrichus* (Pers.) Fr., (1838). Sns: Tanger (Cherf -el-Akab, Perdicaris & Tanger).
- \**Cortinarius hinnuleus* Fr., (1838); in the clearings and forests of *Q. suber*: Tanger (Cherf-el-Akab), Larache & Littoral. Lns & Sns: Larache & Tanger.
- \**Cortinarius illibatus* Fr., (1838), sensu Cooke (1891), Metrod, (= *Cortinarius metrodii* Rob. Henry, 1985); January 1st 1959, among *Cistus ladaniferus*: Tanger (Jbel Kbir) & Sns: Tanger (Cuista Colorada and Tanger).
- \**Cortinarius incisus* (Pers.) Fr., (1838); under the pines: Tanger (Cherf-el-Akab).
- \**Cortinarius infractus* (Pers.) Fr., (1838), Berk. 1860, (= *Cortinarius praestans* (Cordier) Gillet, 1874); under hardwood (*Betula alba*, *Q. ilex*, *Q. pyrenaica*, *Q. suber*) and in the pure or mixed cedar forests: from Casablanca to Tanger & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna) and Larache.
- \**Cortinarius largus* Fr., (1838), sensu auct. brit., (= *Cortinarius patibilis* var. *scoticus* Brandrud, 1997); under *Q. suber*: Larache (Khemiss-of-Sahel) and Sns: Larache.
- \**Cortinarius mucifluoides* (Rob. Henry) Rob. Henry, (1951), Rob. Henry, (1985); unusual, in the wood of *Quercus*: Tanger (Dahar-Zhiro, Perdicaris) & Larache (Khemiss-of-Sahel) & Sns: Larache and Tanger.
- \**Cortinarius mucifluus* Fr., (1838), sensu Rea (1922), Cooke [Ill. Brit. Fung. 735 (740) Vol. 5 (1888)], (= *Cortinarius trivialis* J.E. Lange, 1940); under *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris) & Sns: Tanger.
- \**Cortinarius multiformis* Fr. (1838). sensu NCL, (1960), auct. mult., (= *Cortinarius polymorphus* Rob. Henry, 1985); under *Eucalyptus*, *Pinus* and *Quercus*: Tanger (Cherf-el-Akab & Jbel Kbir) and Sns: Tanger.
- \**Cortinarius nemorensis* (Fr.) J.E. Lange, (1940), (= *Cortinarius variicolor* (Pers.) Fr., 1838), sensu Lange [Fl. Ag. Dan. 3: p. 21 & pl. 88 (1938)] & sensu auct. brit., (= *Cortinarius largus* Fr., 1838); mixed woods: Tanger (Jbel Kbir) and Sns: Tanger.
- \**Cortinarius obtusus* (Fr.) Fr., (1838); under *Quercus*: Tanger (Perdicaris) & Sns: Tanger.
- \**Cortinarius olivascens* (Batsch) Fr., (1838), P. Karst., (1893), (Velen.) Rob. Henry, (1942); in damp moss: Tanger (Jbel Kbir) and Sns: Tanger.
- \**Cortinarius orellanus* Fr., (1838); in the woods of *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir & Perdicaris) and Sns: Lalla Mimouna (Ferjana) and Tanger.
- \**Cortinarius paleaceus* (Weinm.) Fr., (1838), sensu auct. p.p., (= *Cortinarius flexipes* var. *flabellus* (Fr.) H. Lindstr. & Melot, 1998), (= *Cortinarius flexipes* var. *flexipes* (Pers.) Fr., 1838); in the forest of *Q. suber*: Tanger (Cherf-el-akab) and Sns: Tanger.
- \**Cortinarius paramoenolens* Rob. Henry, (1943), (1952); under *Eucalyptus* and *Q. suber*: Tanger (Jbel Kbir) and Larache (Khemiss-of-Sahel) and Sns: Larache and Tanger.
- \**Cortinarius phoeniceus* (Vent.) Maire, (1911), (= *Cortinarius purpureus* (Bull.) Bidaud, Moëgne-Locc. & Reumaux, 1994); under *Eucalyptus* and *Quercus*: Tanger (Jbel Kbir) & Sns: Tanger (Perdicaris & Tanger).
- \**Cortinarius psammocephalus* (Bull.) Fr., (1838), sensu auct., (= *Cortinarius angelesianus* A.H. Sm., 1944). Sns: Tanger.
- \**Cortinarius pseudoprivignus* Rob. Henry, (1948), (1985); under *Cistus ladaniferus*: Tanger (Jbel Kbir).
- \**Cortinarius purpurascens* f. *eumarginata major* (?) Sns: Tanger (Akba Hamra).
- \**Cortinarius purpurascens* Fr., (1838); under *Q. suber*, Tanger (Cherf-el-Akab, Dahar-zhiro and Jbel Kbir) & Sns: Larache (Khemis-of-Sahel) and Tanger.
- \**Cortinarius purpurascens* Fr., f. *eumarginata minor* Henry (?); among the small *Q. suber*: Tanger (Cuesta colorada).
- \**Cortinarius rapaceus* f. *Medius* Rob. Henry, (1939); in the mixed woods: Tanger (Jbel Kbir).
- \**Cortinarius rapaceus* Fr., (1838), sensu auct., (= *Cortinarius aleuriosmus* Maire, 1910). Sns: Tanger.

\**Cortinarius rigidus* (Scop.) Fr., (1838), sensu Kühner & Romagnesi (1953), (= *Cortinarius rigidusculus* Nezdobjm., 1983), sensu Lange [Fl. Ag. Dan. 3: 41 & pl.100A (1938)], (= *Cortinarius umbrinolens* P.D. Orton, 1980); under *Pinus*: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Cortinarius rufo-olivaceus* (Pers.) Fr. (1838); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Cortinarius scobinaceus* Malençon & Bertault, (1970); under *Eucalyptus sp*: Tanger (Cherf-el-Akab).

\**Cortinarius semisanguineus* (Fr.) Gillet, (1874); under *Eucalyptus* and *Quercus*: Tanger (Jbel Kbir, Perdicaris) & Sns: Tanger (Jbel Kbir).

\**Cortinarius subcaninus* Maire, (1928); under the *Quercus* and *Pinus*: Tanger, under *Quercus* and *Pinus*: Tanger (Jbel Kbir) & Sns: Lalla Mimouna (Ferjana).

\**Cortinarius subferrugineus* (Batsch) Fr., (1838); under the oaks (*Q. ilex*, *Q. suber*): Tanger (Jbel Kbir and Perdicaris) & Sns: Tanger.

\**Cortinarius torvus* (Fr.) Fr., (1838); under the cork oaks: Tanger (Cherf-el-Akab and Perdicaris) & Sns: Tanger (Perdicaris and Tanger).

\**Cortinarius trivialis* J.E. Lange, (1940); under the oaks (*Q. ilex*, *Q. Suber*): from Casablanca to Tanger, under *Q. suber*: Larache (Larache & Khemis-of-Sahel) & Sns: Larache and Tanger (Akbaa Hamra and Tanger).

\**Cortinarius trivialis* var. *subolivascen* ?; under the oaks (*Q. ilex*, *Q. Suber*): from Casablanca to Tanger, under *Q. suber*: Lalla Mimouna & Sns: Ferjana, Larache and Tanger.

\**Cortinarius uraceus* Fr., (1838), sensu Lange [Fl. Ag. Dan. 3: 45 & pl. 102B (1938)], A.A. Pearson (1949), (= *Cortinarius vernus* H. Lindstr. & Melot, 1994); under *Pinus*: Tanger (Jbel Kbir and Perdicaris).

\**Cortinarius variicolor* (Pers.) Fr., (1838); under *Pinus*: Tanger (Jbel Kbir, Perdicaris) and Sns: Tanger.

\**Cortinarius varius* (Schaeff.) Fr., (1838), sensu Cooke [Ill. Brit. Fung. 689 (698) Vol. 5 (1887)], (= *Cortinarius variicolor* (Pers.) Fr., 1838), sensu auct. brit., (= *Cortinarius variiformis* Malençon, 1970). Sns: Tanger.

\**Cortinarius venetus* (Fr.) Fr., (1838); under *Eucalyptus*, *Pinus* and *Q. suber*: from Larache (Khemisse-of-Sahel) to Tanger (Cuesta colorada, Jbel Kbir and Perdicaris) & Sns: Larache and Tanger (Cuesta Colorada, Jbel Kbir and Tanger).

### Family: Cyphellaceae

\**Cyphella alboviolascens* (Alb. & Schwein.) P. Karst., (1870), (= *Lachnella alboviolascens* (Alb. & Schwein.) Fr., 1849); on dead branches of *Crataegus monogyna* Jacq., *Quercus* sp. , *Jasminum officinale* L., *Vitis vinifera* L., *Citrus sinensis* Pers. and *Cytisus triflorus* L'Hérit.: Tanger.

\**Cyphella fasciculata* Berk. & M.A. Curtis, (1873); on *Pinus insignis*: Tanger & Sns: Lalla Mimouna.

\**Cyphella lactea* Bres., (1884), (= *Cellypha goldbachii* (Weinm.) Donk, 1959); on *Chamaerops*: Tanger.

\**Cyphella nivea* (Quél.) Bourdot & Galzin, (1928), Fuckel, (1870), P. Crouan & H. Crouan, (1867); on *Erica arborea* and *Pinus* sp.: Tanger, on *Q. suber*: Larache.

\**Cyphella orthospora* (Bourdot & Galzin) Bourdot & Galzin, (1928), (= *Flagelloscypha orthospora* (Bourdot & Galzin) Berthier & Malençon, 1977); on twigs: Tanger.

\**Cyphella poriaeformis* (Pers.) Bourdot & Galzin, (1927), (= *Resupinatus poriaeformis* (Pers.) Thorn, Moncalvo & Redhead, 2006); on *Salix pedicellata*: Tanger.

\**Cyphella punctiformis* (Fr.) P. Karst., (1868), (= *Flagelloscypha punctiformis* (Fr.) Agerer, 1975); on twigs: Tanger.

\**Cyphella punctiformis* f. *corticola* (?); on *Q. faginea*: Tanger (Perdicaris).

\**Cyphella villosa* (Pers.) P. Crouan & H. Crouan , (1867); on *Iris pseudacorus*: Tanger.

**Family: Entolomataceae**

\**Clitopilus giovanellae* var. *omphaliiformis* (Joss.) Joss., (1943), (= *Clitopilus scyphoides* var. *scyphoides* (Fr.) Singer, 1946); scrub or sandy forests: Larache and Tanger (Jbel Kbir & Ziatene) & Sns: Tanger.

\**Clitopilus hobsonii* (Berk.) P.D. Orton, (1960); suspended or stepped on stubble and twigs, scattered on bark of dead stem (*Pinus halepensis*, *Quercus faginea*, *Q. Ilex*, *Q.suber*), grafted rotting's *Opuntia Ficus-indica*, or land in dense troops, covering the stones and plant debris of a continuous belt tight hat and frequently coalescing: Tanger.

\**Clitopilus omphaliiformis* joss., (1941), (= *Clitopilus scyphoides* var. *scyphoides* (Fr.) Singer, 1946). Sns: Lalla Mimouna and Larache.

\**Clitopilus pleurotelloides* (Kühn.) Joss., (1941), (= *Clitopilus hobsonii* (Berk.) P.D. Orton, 1960); on *Opuntia*: Tanger.

\**Clitopilus prunulus* (Scop.) P. Kumm., (1871); under *Q. suber*: Lalla Mimouna and Sns: Larache (Khemiss-of-Sahel and Larache) & Tanger (Cherf el Akab, Cuesta Colorada & Tanger).

\**Clitopilus truncates* (Schaeff.) Kühner & Romagn., (1953), (= *Rhodocybe truncata* (Schaeff.) Singer, 1947). Sns: Larache and Tanger (Cherf el Akab, Cuesta Colorada, Jbel Kbir and Perdicaris).

\**Clitopilus truncatus* var. *mauretanicus* R. Maire, (1926). Sns: Larache and Tanger (Cherf el Akab and Tanger).

\**Clitopilus truncatus* var. *typicus* Maire, (1926). Sns: Tanger (Cherf el Akab and Tanger).

\**Clitopilus truncatus* var. *subvermicularis* Maire, (1926), (= *Rhodocybe gemina* (Paulet) Kuyper & Noordel., 1987). Sns: Larache and Tanger (Donabo & Tanger).

\**Eccilia rusticoides* Gillet, (1874), (= *Entoloma rusticoides* (Gillet) Noordel., 1981). Sns: Tanger.

\**Eccilia undata* (Gillet) Quél., (1880), (= *Entoloma undatum* (Gillet) M.M. Moser, 1978); under the *Quercus*: Larache and Sns: Lalla Mimouna & Tanger.

\**Leptonia serrulata* var. *laevipes* Maire, (1910), (= *Entoloma serrulatum* (Fr.) Hesler, 1967); pastures and scrub at Larache & Sns: Larache.

\**Nolanea africana* Maire, (1928); pastures and forests clear: Larache.

\**Nolanea staurospora* Bres., (1881). Sns : Tanger.

\**Rhodophyllus africanus* Maire, (1928); pastures and woodlands of the coastal plain: Larache.

\**Rhodophyllus byssisedus* (Pers.) Quél., (1886), (= *Entoloma byssisedum* (Pers.) Donk, 1949); on rotting stumps, *Salix* sp. etc.: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Rhodophyllus clypeatus* (L.) Quél., (1886), (= *Entoloma clypeatum* f. *clypeatum* (L.) P. Kumm., 1871); scrub and forest of *Quercus*, plain and mountain, near Tanger & Sns: Tanger.

\**Rhodophyllus cyanulus* (Lasch) J.E. Lange, (1936), (= *Entoloma cyanulum* (Lasch) Noordel., 1984). Sns: Tanger (Cherf el Akab & Tanger).

\**Rhodophyllus griseocyaneus* (Fr.) Quél., (1886), (= *Entoloma griseocyaneum* (Fr.) P. Kumm., 1871). Sns: Tanger.

\**Rhodophyllus juncinus* Kühner & Romagn., (1954), (= *Entoloma juncinum* (Kühner & Romagn.) Noordel., 1979); oaks: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.

\**Rhodophyllus lampropus* (Fr.) Quél., (1886), (= *Entoloma lampropus* (Fr.) Hesler, 1967); grassy clearings, under *Acacia* and *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger (Cherf el Akab and Tanger).

\**Rhodophyllus lazulinus* (Fr.) Quél., (1886), (= *Entoloma chalybeum* var. *lazulinum* (Fr.) Noordel., 1984). Sns: Tanger (Perdicaris).

\**Rhodophyllus lividoalbus* Kühner & Romagn., (1954), (= *Entoloma lividoalbum* (Kühner & Romagn.) Kubička, 1975); clear wood, under *Q. suber* in the forests of the coastal area: Tanger, Larache and Lalla-Mimouna, under *Q. suber*: Lalla-Mimouna & Sns: Lalla-Mimouna, Larache (Khmis-of-Sahel & Larache) and Tanger (Cherf el Akab & Tanger).

\**Rhodophyllus lividus* (Quél.) Quél., (1886), (= *Entoloma sinuatum* (Bull.) P. Kumm., 1871); under *Q. faginea* and *Q. suber*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.

\**Rhodophyllus nidorosus* (Fr.) Quél., (1886), (= *Entoloma rhodopolium* (Fr.) P. Kumm., 1871), (Fr.) S.T. Chang & X.L. Mao 1995, (= *Entoloma rhodopolium* (Fr.) P. Kumm., 1871); under *Q. pyrenaica* and *Q. suber*: Tanger, Larache & Lalla-Mimouna, under *Q. suber*: Lalla-Mimouna and Sns: Lalla-Mimouna (Ferjana & Lalla Mimouna), Larache (Khmis-of-Sahel & Larache) and Tanger (Akba Hamra, Cherf el Akab) and Tanger.

\**Rhodophyllus nitens* (Velen.) Kühner & Romagn., (1953), (= *Entoloma nitens* (Velen.) Noordel., 1979). Sns: Tanger.

\**Rhodophyllus papillatus* (Bres.) J.E. Lange, (1936), (= *Entoloma papillatum* (Bres.) Dennis, 1953). Sns: Tanger.

\**Rhodophyllus proletarius* (Fr.) Quél., (1874); in the foam: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Rhodophyllus prunuloides* (Fr.) Quél., (1886), (= *Entoloma prunuloides* (Fr.) Quél., 1872); clearings of *Quercetum suberis*, Tanger (Cherf-el-Akab) and Sns: Tanger.

\**Rhodophyllus rhodopolius* (Fr.) Quél., (1886), (= *Entoloma rhodopolium* (Fr.) P. Kumm., 1871). Sns: Larache.

\**Rhodophyllus sarcitulus* Kühner & Romagn., (1954), (Kühner ex P.D. Orton) M.M. Moser, (1967), (Kühner ex P.D. Orton) Singer, (1977), (= *Entoloma longistriatum* var. *sarcitulum* (P.D. Orton) Noordel., 1988); grassy clearings *Quercus*' wood: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.

\**Rhodophyllus sericellus* (Fr.) Quél., (1886), (= *Entoloma sericellum* (Fr.) P. Kumm., 1871); clear and grassy woods of the coastal plain: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger.

\**Rhodophyllus sericeus* (Quél.) Quél., (1886), (= *Entoloma sericeum* var. *sericeum* Quél., 1872). Sns: Tanger.

\**Rhodophyllus sericeus* var. *typicus* (?); pastures and grassy clearings: Tanger (Cherf-el-Akab).

### Family: Hydnangiaceae

\**Hydnangium carneum* Wallr., (1839); under *Eucalyptus*: Larache & Sns: Tanger.

\**Laccaria laccata* (Scop.) Cooke, (1884), sensu Stevenson, (= *Laccaria proxima* (Boud.) Pat., 1887), (= *Laccaria ohiensis* (Mont.) Singer, 1947); under the *Quercus*: Tanger; Larache (Khmiss-of-Sahel and Larache) & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache (El Areïch) and Tanger (Cherf el Akab, Cuesta Colorada, Jbel Kbir, Perdicaris & Tanger).

\**Laccaria laccata* var. *laccata* (Scop.) Cooke, (1884); in the oak of the coastal plateau and mountains: Lns.

\**Laccaria laccata* var. *lutea* (J.C. Buxb.) Bon, (1983); clear cork oak's scrub of the coastal plateau: Lalla Mimouna (Ferjana) and near Larache.

\**Laccaria lateritia* Malençon, (1966); sandy soils: Larache (El-Araïche, Khmiss-of-Sahel) and Tanger (Jbel Kbir and Cherf-el-Akab), under *Eucalyptus gomphocephala*: Lalla Mimouna & Sns: Lalla Mimouna (Ferjana), Larache (El areich and Larache) and Tanger (Jbel Kbir).

\**Laccaria proxima* (Boud.) Pat., (1887); under *Pinus*: Tanger (Jbel Kbir, Perdicaris), Larache and Lalla Mimouna & Sns: Larache.

\**Laccaria proxima* var. *bicolor* (Boud.) Pat., (1887); among *Cistus*: Tanger (Jbel Kbir & Perdicaris) and Sns: Tanger.

### Family: Hygrophoraceae

\**Hygrocybe conica* (Schaeff.) P. Kumm., (1871). Sns: Tanger (Jbel Kbir & Perdicaris).

\**Hygrocybe conica* var. *Chloroides* (Malençon) Bon, (1985), (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871). Sns: Lalla Mimouna (Ferjana).

- \**Hygrocybe miniata* (Scop.) Murrill, (1916), (Fr.) P. Kumm., (1871), sensu Phillips (1981 p. 63), (= *Hygrocybe helobia* (Arnolds) Bon, 1976). Sns: Tanger (Jbel Kbir & Perdicaris).
- \**Hygrophorus acutoconicus* (Clem.) A. H. Sm., (1947), (= *Hygrocybe acutoconica* var. *acutoconica* (Clem.) Singer, 1951); in grassy clearings: Tanger (Cherf-el-Akab and Perdicaris).
- \**Hygrophorus arbustivus* Fr., (1836); under *Q. suber*: Tanger (Malabata) and Larache (El-Araïch) & Sns: Larache and Tanger.
- \**Hygrophorus cantharellus* (Schwein.) Fr., (1838), (= *Hygrocybe cantharellus* (Schwein.) Murrill, 1911); under *P. insignis*, *Eucalyptus* and mixed wood: Tanger (Jbel Kbir and Perdicaris) & Sns: Tanger (Perdicaris & Tanger).
- \**Hygrophorus chlorophanus* (Fr.) Fr., (1838), (= *Hygrocybe chlorophana* (Fr.) Wünsche, 1877); in a cork oak forest degraded, on scrub at *Cistes* & *Erica*: Tanger (Akbâa Hamra) & Sns: Larache and Tanger (Cherf el akab and Tanger).
- \**Hygrophorus chrysaspis* Métrod, (1938), (= *Hygrophorus discoxanthus* (Fr.) Rea, 1908). Sns: Tanger.
- \**Hygrophorus chrysodon* (Batsch) Fr., (1838); in the *Quercus*: Asilah, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Larache.
- \**Hygrophorus coccineus* (Schaeff.) Fr., (1838), (= *Hygrocybe coccinea* (Schaeff.) P. Kumm., 1871); in pastures and scrub: Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris & Tanger).
- \**Hygrophorus conicus* (Schaeff.) Fr., (1838), (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871); pasture and scrub: Tanger, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna, Larache and Tanger (Cherf el Akab, Cuesta Colorada, Jbel Kbir, Perdicaris and Tanger).
- \**Hygrophorus conicus* var. *nigrescens* (Quél.) Konrad & Maubl. Sns: Larache and Tanger.
- \**Hygrophorus conicus*, var. *chloroides* G. Malençon, (1975), (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871). Sns: Tanger.
- \**Hygrophorus conicus*, var. *typicus* Kühner & Romagnesi, (1953); natural and artificial turf (at *Stenotaphrum americanum*), brush, scrub and oak (at *Q. faginea*, *Q. ilex*, *Q. pyrenaica*, *Q. suber*): Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris).
- \**Hygrophorus cossus* (Sowerby) Fr., (1838), sensu auct., (= *Hygrophorus eburneus* (Bull.) Fr., 1838), sensu auct. brit., (= *Hygrophorus discoxanthus* (Fr.) Rea, 1908). Sns: Lalla Mimouna (Ferjana) and Tanger (Cherf el Akab).
- \**Hygrophorus croceus* (Quél.) Bres., (1907). Sns: Tanger.
- \**Hygrophorus dichrous* Kühner & Romagnesi, (1953), Hongo, (1958), sensu NCL (1960); under the pines: Tanger (Cherf-el-Akab, Jbel Kbir) and Gharb (Ouguilia near Lalla Mimouna) & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache and Tanger (akbaa Hamra, Cherf el Akab & Tanger).
- \**Hygrophorus eburneus* (Bull.) Fr., (1838); under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna, Larache and Tanger (Cuesta Colorada & Tanger).
- \**Hygrophorus hypothejus* (Fr.) Fr., (1838); under *P. pinea* in sandy soil: Tanger (strictly limited at Jebel Kebir) & Sns: Tanger (Donabo & Jbel Kbir).
- \**Hygrophorus leporinus* Fr., (1838), sensu Cooke, Rea (1922), (= *Hygrophorus nemoreus* (Pers.) Fr., 1838). Sns: Tanger.
- \**Hygrophorus limacinus* Kalchbr., (Scop.) Fr., (1838), sensu Kühner & Romagnesi, (= *Hygrophorus latitabundus* Britzelm., 1889), sensu auct., (= *Hygrophorus persoonii* Arnolds, 1979). Sns: Tanger.
- \**Hygrophorus miniatus* (Fr.) Fr., (1838), (= *Hygrocybe miniata* (Fr.) P. Kumm., 1871); in clear wood, maquis and under *Acacia*, *Eucalyptus* and *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Larache (El-Araïch) & Sns: Larache and Tanger (Cuesta Colorada, Jbel Kbir and Tanger).
- \**Hygrophorus nigrescens* (Quél.), Quél., (1888), sensu auct., non Quél., (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871); in grassy clearings and oak, under the holly bushes and the *Viburnum tinus* in forest: Tanger (Cherf-el-Akab), Asilah and Lalla Mimouna & Sns: Lalla Mimouna.

\**Hygrophorus nitratus* (Pers.) Fr., (1874), (= *Hygrocybe nitrata* (Pers.) Wünsche, 1877); among the *Cistus*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Hygrophorus niveus* (Scop.) Fr., (1838), (= *Hygrocybe virginea* var. *vurginea* (Wulfen) P.D. Orton & Watling, 1969); in the grassy clearings in the of the woods of *Quercus*' woods and under *P. pinea*: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger.

\**Hygrophorus obrusseus* (Fr.) Sacc., (1838), (= *Hygrocybe obrussea* (Fr.) Wünsche, 1877), sensu NCL (1960), sensu NCL (1960), (= *Hygrocybe citrinovirens* (J.E. Lange) Jul. Schäff., 1947); in the light wood at *Q. suber*: Tanger (Cherf-el-Akab) and Sns: Tanger.

\**Hygrophorus olivaceoalbus* (Fr.) Fr., (1838), sensu Lange, (= *Hygrophorus persoonii* Arnolds, 1979). Sns: Tanger.

\**Hygrophorus pratensis* (Fr.) Fr., (1838); on a grassy slope: Tanger (Cap Spartel) and Sns: Tanger.

\**Hygrophorus pseudodiscoideus* (Maire) Malençon & R. Bertault, (1975); in the oak forests of the coastal plain: Tanger and Larache, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Larache and Tanger.

\**Hygrophorus psittacinus* (Schaeff.) Fr., (1838), (= *Hygrocybe psittacina* var. *psittacina* (Schaeff.) P. Kumm., 1871); on the verge of hollow roads and under *Eu. globulus*, in a fresh land: Tanger (Jbel Kbir, Perdicaris) and Sns: Tanger (Perdicaris).

\**Hygrophorus quietus* Kühner, (1947), (= *Hygrocybe quieta* (Kühner) Singer, 1951); under *Q. faginea*: Tanger (Jbel Kbir) and Sns: Tanger.

\**Hygrophorus reai* Maire, (1910), (= *Hygrocybe mucronella* (Fr.) P. Karst., 1879); in clearings of the woods at *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir and Dahar-Zhiro) & Sns: Tanger (Perdicaris and Tanger).

\**Hygrophorus russocoriaceus* Berk. & Jos.K. Mill., (1848), (= *Hygrocybe russocoriacea* (Berk. & Jos.K. Mill.) P.D. Orton & Watling, 1969); in clearings of the *Quercus*' woods & *P. pinea*: Tanger (Cherf-el-Akab, Jbel Kbir) and Larache (El-Araïch) & Sns: Larache and Tanger (Perdicaris and Tanger).

\**Hygrophorus russula* (Schaeff.) Kauffman, (1918); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Hygrophorus tristis* Bres., (1928), (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871). Sns: Tanger.

\**Hygrophorus unguinosus* (Fr.) Fr., (1838), (= *Hygrocybe irrigata* (Pers.) Bon, 1976); in the grassy clearings: Tanger (Perdicaris) and Sns: Tanger.

\**Hygrophorus virgineus* (Wulfen) Fr., (1838), (= *Hygrocybe virginea* var. *virginea* (Wulfen) P.D. Orton & Watling, 1969). Sns: Tanger.

### Family: Incertae sedis

\**Panaeolus acuminatus* (Schaeff.) Quél., (1874); clear coppice, grassy places, lawns and pastures covered and smoked by herds: between Casablanca and Tanger & Sns: Tanger.

\**Panaeolus campanulatus* (L.) Quél., (1872), (= *Panaeolus papilionaceus* var. *papilionaceus* (Bull.) Quél., 1872), sensu auct. brit., (= *Panaeolus papilionaceus* var. *parvisporus* Ew. Gerhardt, 1996); pasture and clearings of the plain and the mountain on excrement herbivorous: Tanger and Larache & Sns: Larache (El Araïch) and Tanger (Cherf el Akab & Tanger).

\**Panaeolus fimicola* (Pers.) Gillet, (1878); on the feces herbivorous in pastures and clearings, on spoiled straw: surroundings of Tanger, on dung: Larache and Sns: Tanger.

\**Panaeolus foenisecii* (Pers.) J. Schröt., (1926); clearings and pastures of the plain of the mountain: Larache.

\**Panaeolus papilionaceus* (Bull.) Quél., (1872), (= *Panaeolus papilionaceus* var. *papilionaceus* (Bull.) Quél., 1872); on the feces herbivorous: Tanger (Cherf-el-Akab) and Larache & Sns: Larache and Tanger.

\**Panaeolus phalaenarum* (Fr.) Quél., (1872), (= *Panaeolus semiovatus* var. *phalaenarum* (Fr.) Ew. Gerhardt, 1996); on earth smoke woodlands (*Pinus pinaster*, *Q. suber*): Larache (El Araïch' forest) and Lalla Mimouna.

\**Panaeolus retirugis* (Fr.) Gillet, (1878); on contaminated land: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Panaeolus sphinctrinus* (Fr.) Quél., (1872), (= *Panaeolus papilionaceus* var. *papilionaceus* (Bull.) Quél., 1872); smoky places: Tanger (Ziatene) & Sns: Tanger.



**Family: Inocybaceae**

- \**Crepidotus autochthonus* J. E. Lange, (1938); on *Eucalyptus*' trunks: Tanger (Cherf-El-Akab & Jbel Kbir).
- \**Crepidotus fragilis* Joss., (1937), (= *Crepidotus autochthonus* J. E. Lange, 1938); on *Eucalyptus*: Tanger.
- \**Crepidotus herbarum* Peck, (1887), (Peck) Sacc., (1887), (= *Crepidotus epibryus* (Fr.) Quél., 1888); on *Acacia* sp., *Chamaerops humilis*, *Pinus pinea*: surroundings of Tanger.
- \**Crepidotus luteolus* Sacc, (1887); on *Acacia mollissima*: Tanger (Donabo and Tanger).
- \**Crepidotus mollis* (Schaeff.) Staude, (1857); on *Eucalyptus*, *Olea* and *Quercus*: from Rabat to Tanger (Larache, Cherf el Akab...) & Sns: Lalla Mimouna (Ferjana).
- \**Crepidotus mollis* var. *calolepis* (Fr.) Pilát, (1940), (= *Crepidotus calolepis* (Fr.) P. Karst., 1879). Sns: Tanger.
- \**Crepidotus mollis* var. *squamulosus* Cout., (1921); on *Eucalyptus*, *Olea* and *Quercus*: from Rabat to Tanger.
- \**Crepidotus pubescens* Bres., (1930), (= *Crepidotus versutus* (Peck) Sacc., 1887), sensu A.A. Pearson, (= *Crepidotus luteolus* Sacc., 1887), sensu Kühner & Romagnesi, (= *Crepidotus epibryus* (Fr.) Quél., 1888). Sns: Lalla Mimouna (Ferjana) and Tanger.
- \**Crepidotus variabilis* (Pers.) P. Kumm., (1871); on twigs of *Eucalyptus*, stem and twigs of *Quercus* sp.: Lalla Mimouna, Larache and Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris and Ziatene) & Sns: Lalla Mimouna (Ferjana).
- \**Inocybe abjecta* P. Karst., (1879), sensu NCL, (1960), non Kuyper (1986), (= *Inocybe flocculosa* Sacc., 1887); grassy clearings: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger.
- \**Inocybe asterospora* Quél., (1879); in scrub trees of *Q. suber* and *Q. Sp.*: Tanger (Jbel Kbir and Perdicaris) & Larache (Khemiss-of-Sahel) & Sns: Larache and Tanger.
- \**Inocybe boltonii* R. Heim 1931, (= *Inocybe curvipes* P. Karst., 1890), sensu NCL, (1960), (= *Inocybe subcarpta* Kühner & Boursier, 1932); under the pines: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Inocybe bongardii* (Weinm.) Quél., (1872); under the pines: Tanger (Jbel Kbir, Cherf-el-Akab and Perdicaris) & Sns: Tanger.
- \**Inocybe bresadolae* Masee, (1904); two crops under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Larache and Tanger.
- \**Inocybe cookei* Bres., (1892); under the pines and oaks: Tanger (Cherf-el-Akab).
- \**Inocybe decipientoides* Peck., (1907), sensu auct. eur., non Peck, (= *Inocybe curvipes* P. Karst., 1890); under *Quercus*: Tanger (Dhar-Zhiro, Jbel Kbir).
- \**Inocybe descissa* var. *auricoma* (Batsch) R. Heim, (1931). Sns: Tanger.
- \**Inocybe dulcamara* Sacc., (1887), (Pers.) P. Kumm., (1871); under *Q. faginea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Inocybe dulcamara* var. *homomorpha* Kühner, (1956), (= *Inocybe dulcamara* (Pers.) P. Kumm., 1871). Sns: Tanger.
- \**Inocybe eutheles* Sacc., (1887), sensu NCL (1960), (= *Inocybe sindonia* (Fr.) P. Karst., 1879); under *Pinus*: Tanger (Jbel Kbir).
- \**Inocybe fastigiata* (Schaeff.) Quélet., (1872), (= *Inocybe rimosa* (Bull.) P. Kumm., 1871); under *Quercus* and *Pinus*: from Casablanca to Tanger, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Tanger (Cherf el Akab, Diplomatie forest and Tanger).
- \**Inocybe fastigiata* f. *argentata* Kühner, (1956), (= *Inocybe rimosa* (Bull.) P. Kumm., 1871); under the pines: Tanger (Jbel Kbir & Malabata).
- \**Inocybe fastigiata* f. *subcandida* Malençon, (1970). Sns: Tanger.

- \**Inocybe friesii* R. Heim., (1931), (= *Inocybe nitidiuscula* f. *nitidiuscula* (Britzelm.) Lapl., 1894); under *Pinus*: Tanger (Cherf-el-Akab and Malabata) & Sns: Tanger.
- \**Inocybe gausapata* Kühner, (1955), (= *Inocybe flocculosa* Sacc., 1887); under *Pinus* and *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir and Malabata) and Larache (Khemiss-of-Sahel) & Sns: Larache and Tanger (Perdicaris & Tanger).
- \**Inocybe geophylla* (Fr.) P. Kumm., (1871); under *Cerdus*, *Pinus* & *Quercus* plain and mountain, both in its typical form lilacine (Var. *Lilacina* Fr.): Tanger (Jbel Kbir, Perdicaris and Cuesta Colorada) and Larache & Sns: Larache and Tanger (Jbel Kbir, Perdicaris Cuesta Colorada & Tanger).
- \**Inocybe geophylla* var. *Lilacina* Gillet, (1876). Sns: Tanger.
- \**Inocybe griseovelata* Kühner, (1955); mixed wood of *Quercus*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Inocybe gymnocarpa* Kühner, (1953); under *Pinus pinea*: Tanger (Jbel Kbir) and Sns: Tanger.
- \**Inocybe haemacta* (Berk. & Cooke) Sacc., (1887); under *Eucalyptus*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Inocybe halophila* R. Heim, (1931), sensu A.A. Pearson [TBMS 26: 45 (1943)], (= *Inocybe pruinosa* R. Heim, 1931), sensu A.A. Pearson, NCL p.p, (= *Inocybe impexa* (Lasch) Kuyper, 1986); sandy clearings: coastal and Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Inocybe hirtella* Bres., (1884), sensu NCL (1960) p.p., J.E. Lange (1938), (= *Inocybe muricellata* Bres., 1905); in oak woods: Tanger (Cherf-el-Akab and Jbel Kbir).
- \**Inocybe jurana* (Pat.) Sacc., (1887), (= *Inocybe adaequata* (Britzelm.) Sacc., 1887); under the pines: Tanger (Cherf-el-Akab and Malabata) & Sns: Tanger.
- \**Inocybe lacera* (Fr.) P. Kumm., (1871); under the pines: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger.
- \**Inocybe maculata* Boud., (1885); under *Pinus* & *Quercus*: Larache & Tanger (Cherf-el-Akab and Jbel Kbir) & Sns: Larache and Tanger.
- \**Inocybe maculata* subsp. *fastigiella* (G.F. Atk.) Kühner & Romagn., Sns: Tanger.
- \**Inocybe margaritispora* (Berk.) Sacc., (1887); under *Q. Suber*: Larache and Tanger (Cherf-el-Akab) & Sns: Larache and Tanger.
- \**Inocybe mixtilis* (Britzelm.) Sacc., (1887). Sns: Tanger (Jbel Kbir, Perdicaris) & Sns: Larache and Tanger.
- \**Inocybe oblectabilis* (Britzelm.) Sacc., (1895), sensu NCL (1960), auct., (= *Inocybe glabrodisca* P.D. Orton, 1960); under *Q. suber*: Larache (Khemiss-of-Sahel) & Tanger (Cherf-el-Akab) & Sns: Larache and Tanger.
- \**Inocybe oblectabilis* f. *Decemgibbosa* Kühner, (1933), (= *Inocybe decemgibbosa* (Kühner) Vauras, 1997); under *Pinus* and *Quercus*: Tanger (Jbel Kbir).
- \**Inocybe obscura* Gillet, (1874), sensu auct., (= *Inocybe cincinnata* var. *major* (S. Petersen) Kuyper, 1989); in mixed woods: Tanger (Jbel Kbir) & Sns: Larache and Tanger.
- \**Inocybe Pelargonium* Kühner, (1955). Sns: Lalla Mimouna (Ferjana).
- \**Inocybe phaeodisca* Kühner, (1955). Sns: Tanger.
- \**Inocybe pyriodora* (Pers.) P. Kumm., (1871), sensu auct. mult., NCL (1960), (= *Inocybe fraudans* (Britzelm.) Sacc., 1887); under the oaks (*Q. suber*, *Q. ilex*): Larache and Tanger (Cherf-el-Akab) & Sns: Larache and Tanger.
- \**Inocybe pyriodora* f. *incarnata* (Bres.) Nespiak, (1990); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Inocybe praetervisa* Quél., (1883); under *Pinus*: Tanger (Cherf-el-Akab, Jbel Kbir and Malabata) & Sns: Tanger.
- \**Inocybe subnudipes* Kühner, (1953), (1955), sensu auct., (= *Inocybe albovelutipes* Stangl, 1980). Sns: Tanger.

\**Inocybe xanthomelaena* = (*Inocybe xanthomelas*) Boursier & Kühner, (1933), sensu Lange (1938), (= *Inocybe salicis* Kühner, 1955). Sns: Tanger.

\**Pellidiscus pallidus* (Berk. & Broome) Donk, (1959); on phyllodes of *Acacia* and leaves of *Pistacia lentiscus*: Tanger and on leaves of *Arbutus unedo*: Larache.

### Family: Lyophyllaceae

\**Asterophora lycoperdoides* (Bull.) Ditmar, (1809); on *Russula nigricans*: Tanger.

\**Asterophora parasitica* (Bull.) Singer, (1951); on *Russula delica*: Tanger: Jbel Kbir.

\**Lyophyllum aggregatum* (Schaeff.) Kühner, (1938), (= *Lyophyllum decastes* (Fr.) Singer, 1951). Sns: Tanger.

\**Lyophyllum aggregatum* var. *fumosum* (Bull.) Singer, (1951); in the mixed woods: Tanger (Jbel Kbir and Perdicaris).

\**Lyophyllum aggregatum* var. *loricatum* (Fr.) Kühner, (1938); in the oak: Tanger (Cherf-el-Akab and Jbel Kbir) & Sns: Tanger.

\**Lyophyllum aggregatum* var. *typicum* Kühner & romagnesi, (1953); under *Q. suber*: from Rabat to Tanger.

\**Lyophyllum atratum* (Fr.) Singer, (1943), (= *Tephrocybe atrata* (Fr.) Donk, 1962). Sns: Tanger.

\**Lyophyllum carbonarium* (Vel.) M. M. Moser, (1953), (= *Tephrocybe anthracophila* (Lasch) P.D. Orton, 1969); under the oak: Tanger (Cherf-el-Akab & Jbel Kbir).

\**Lyophyllum crassipodium* Malençon & Bertault, (1975), Malençon & Bertault ex Contu, (1998); in the wood of *Q. suber*: Tanger (Abâa-Hamra, Cherf-el-Akab and Jbel Kbir), Larache (Khemiss-of-Sahel) & Lalla Mimouna (Ferjana' forest).

\**Lyophyllum crassipodium* var. *Corsicum* (?). Sns: Tanger (Akbâa-Hamra).

\**Lyophyllum infumatum* (Bres.) Kühner, (1938); under the pines: Tanger (Jbel Kbir) & Sns: Tanger.

\**Lyophyllum semitale* (Fr.) Kühner, (1938), (Fr.) Kühner ex Kalamees, (1994); under *Pinus*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Lyophyllum sphaerosporum* Kühner & Romagn., (1953), (= *Tephrocybe anthracophila* (Lasch) P.D. Orton, 1969). Sns: Tanger.

\**Lyophyllum trigonosporum* (Bres.) Kühner, (1938); scrub at *Cistus*, under the cover of *Eucalyptus globulus*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Nyctalis asterophora* Fr., (1838), (= *Asterophora lycoperdoides* (Bull.) Ditmar, 1809); on *Russula nigricans*: Tanger.

### Family: Marasmiaceae

\**Chaetocalathus craterellus* (Durieu & Lév.) Singer, (1943); on twigs and dead fallen branches or suspended, especially in sheltered places: from Rabat to Tanger.

\**Crinipellis stipitaria* (Fr.) Pat., (1889), (= *Crinipellis scabella* (Alb. & Schwein.) Murrill, 1915); grafted on the strains of grass in the wasteland and clearings: Tanger (Jbel Kbir) & Sns: Tanger.

\**Henningsomyces puber* (Romell ex W.B. Cooke) D.A. Reid, (1964); on *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Tanger.

\**Marasmius acicola* Romagn., (1952), Berk. & M.A. Curtis, (1858). Sns: Tanger (Donabo and Tanger).

\**Marasmius androsaceus* (L.) Fr., (1838), (= *Gymnopus androsaceus* (L.) J.L. Mata & R.H. Petersen, 2004); on dead leaves of *Q. suber*, *Q. Ilex*, *Eucalyptus globulus*, *Viburnum Pinus*, et sur aiguilles de divers Pins and on needles of various pines: Sns (of the Coastal to the mountain) & Sns: Tanger (cuesta Colorada, Jbel Kbir and Tanger).

- \**Marasmius brassicolens* Romagnesi, (1952), (= *Gymnopus brassicolens* var. *brassicolens* (Romagn.) Antonín & Noordel., 1997); grafted 40-50 cm above the ground on wood stripped of *Eucalyptus globulus*' strain: Tanger (Perdicaris) & Sns: Tanger.
- \**Marasmius bresadolae* Schulzer, (1885), Kühner & Romagn., (1953), (= *Gymnopus erythropus* (Pers.) Antonín, Halling & Noordel., 1997). Sns: Larache and Tanger (Perdicaris).
- \**Marasmius candidus* Fr., (1838), (= *Marasmiellus candidus* (Fr.) Singer, 1948), sensu Lange, (= *Marasmiellus vaillantii* (Pers.) Singer, 1973); floor in the playoffs on hanging twigs (not prostrate!) of *Phillyrea angustifolia*, *Acacia mollissima*, *Pistacia lentiscus*, *viburnum*, *Tinus*, etc.: Tanger (Jbel Kbir) and on *Chaméphites*: Tanger.
- \**Marasmius corbariensis* (Roum.) Sacc., (1911); on leaves of *Olea*, *Phillyrea*, *Viburnum* and phyllodes of *Eucalyptus*: Tanger (Cherf-el-Akab, Jbel Kbir, Ziatene) and Larache (Khemiss-of-Sahel).
- \**Marasmius dryophilus* (Bull.) P. Karst., (1889), (= *Gymnopus dryophilus* (Bull.) Murrill, 1916), (Lj.N. Vassiljeva, 1973); under the most diverse essences: *Acacia*, *Cerdu*, *Eucalyptus*, *Pinus*, *Quercus*: Lns and Sns: Lalla Mimouna, Larache (Khemiss-of-Sahel and Larache) and Tanger (Cuesta Colorada, Cherf el Akab and Tanger).
- \**Marasmius epiphyllus* (Pers.) Fr., (1838); on phyllodes or dead leaves of *Eucalyptus*, *Phillyrea* & *Olea*: Tanger (Jbel Kbir and Tanger).
- \**Marasmius foetidus* (Sowerby) Fr., (1838), (= *Gymnopus foetidus* (Sowerby) J.L. Mata & R.H. Petersen, 2004). Sns: Tanger.
- \**Marasmius fuscopurpureus* (Pers.) Fr., (1838), (= *Gymnopus fuscopurpureus* (Pers.) Antonín, Halling & Noordel., 1997), sensu auct., (= *Gymnopus fagiphilus* (Velen.) Antonín, Halling & Noordel., 1997). Sns: Lns.
- \**Marasmius globularis* (Weinm.) Fr., (1872), (= *Marasmius wynneae* Berk. & Broome, 1859); in the plantations of *Eucalyptus* & *Pinus halpensis*: Tanger and Larache & Sns: Larache and Tanger.
- \**Marasmius hariolorum* (Bull.) Quél., (1888), (= *Gymnopus hariolorum* (Bull.) Antonín, Halling & Noordel., 1997), sensu Rea (1922), (= *Gymnopus confluens* (Pers.) Antonín, Halling & Noordel., 1997); among the needles of *Pinus*: Tanger.
- \**Marasmius hygrometricus* (V. Brig.) Sacc., (1887); on decaying leaves of *Olea europea* L.: Tanger and Sns: Larache and Tanger.
- \**Marasmius impudicus* Fr., (1838), (= *Gymnopus impudicus* (Fr.) Antonín, Halling & Noordel., 1997); on twigs and downed wood, or related to woody debris buried; under *Q. suber*, on *Eucalyptus*' strains and under *Pinus*: between Tanger to Casablanca & Sns: Larache and Tanger (Cherf el Akab and Tanger).
- \**Marasmius littoralis* Quél. & Le Bret., (1880), (= *Marasmius anomalus* Peck, 1872). Sns: Tanger.
- \**Marasmius littoralis* var. *microporus* (Maire) Jossierand., (?); brush, scrub, grasslands and woodlands: from Agadir to Tanger.
- \**Marasmius omphaliiformis* Kühner, (1954); on various plant debris: *Chamaerops humilis*, *Cupressus macrocarpa*, *Eucalyptus* sp., *Q. faginea*: Tanger (Chouikreuh, Jbel Kbir) & Sns: Tanger.
- \**Marasmius oreades* (Bolton) Fr., (1838); grassy places, lawns of parks and gardens, pastures, clearings: from Tanger to El-Jadida and Sns: Tanger (Cherf el Akab & Tanger).
- \**Marasmius ramealis* (Bull.) Fr., (1838), (= *Marasmiellus ramealis* (Bull.) Singer, 1948); on various dead stems: *Acacia mollissima*, *Erica* sp., *Rubus ulmifolius*, *viburnum* *Tinus*, etc...: Tanger (Donabo and Ziatene) & Sns: Tanger.
- \**Marasmius scorodoni* var. *virgultorum* Malençon & Bertault, (1975); on various suspended twigs: *Rubus*, *Viburnum*, *Erica*, etc... related to *Marasmius candidus* and *M. ramealis*, the center of bushes very covered: Tanger (Jbel Kbir).
- \**Marasmius splachnoides* (Hornem.) Fr., (1838), sensu auct., (= *Gymnopus quercophilus* (Pouzar) Antonín & Noordel., 2008); on dead leaves of *Arbutus unedo*, *Myrtus communis*: *Q. Ilex*; *Q. pyrenaica* and *Q. suber*: Larache, Lalla Mimouna and Tanger (Cherf-el-Akab and Jbel Kbir), on leaves of *Q. suber*: Larache (Khemiss-of-Sahel and Larache) and Tanger & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna) and Tanger (Cuesta Colorada and Tanger).

\**Marasmius terginus* (Fr.) Sacc., (1887), (= *Gymnopus terginus* (Fr.) Antonín & Noordel., 1997). Sns: Larache and Tanger.

\**Marasmius terginus* f. *benoisti* (Boud.), (?); oak at *Q. faginea*, *Q. Ilex*, *Q. pyrenaica* and *Q. suber*: Larache (Khemiss-of-Sahel) and Tanger (Cherf-el-Akab).

\**Micromphale brassicolens* (Romagn.) P.D. Orton, (1960), (= *Gymnopus brassicolens* var. *brassicolens* (Romagn.) Antonín & Noordel., 1997). Sns: Tanger (Cherf el Akab, Jbel Kbir and Perdicaris).

\**Omphalotus olearius* (DC.) Singer, (1948), sensu auct. brit., (= *Omphalotus illudens* (Schwein.) Bresinsky & Besl, 1979); forest, brush and Maquis: from Casablanca to Tanger.

### Family: Mycenaceae

\**Hemimycena pithyophila* Malençon, (1975), Malençon ex A. Ortega & Esteve-Rav., (1996); on pine needles: Tanger (Jbel Kbir).

\**Mycena acicula* (Schaeff.) P. Kumm., (1871); under *Q. suber* : Larache (Khemiss-of-Sahel) and Tanger (Cherf-el-Akab) and Sns: Larache and Tanger.

\**Mycena alba* (Bres.) Kühner, (1938); at the base of mossy trunks of *Olea europaea*: Tanger (Cherf-el-Akab) and Sns: Tanger.

\**Mycena albidolilacea* Kühner & Maire, (1938); in cork oak and grassy glade: Tanger (Cherf-el-Akab, Jbel Kbir and Malabata) & Sns: Tanger.

\**Mycena algeriensis* Maire, (1938); on *Q. suber*: Tanger (Cherf-el-Akab & Tanger).

\**Mycena amicta* (Fr.) Quél., (1872); on trunks and debris of *Pinus* sp.: Tanger (Jbel Kbir and Perdicaris) Sns: Tanger.

\**Mycena avenacea* (Fr.) Quél., (1872), sensu Rea (1922), auct. mult., (= *Mycena olivaceomarginata* (Masse) Masee, 1893); grassy clearings and wasteland at *Chamaerops* : Tanger (Cherf-el-Akab, Jbel Kbir) and Larache & Sns: Larache (Khemiss-of-Sahel and Larache) & Tanger.

\**Mycena avenacea* var. *roseofusca* Kühner, (1938), (= *Mycena olivaceomarginata* (Masse) Masee, 1893); in the middle tufts of *chamaerops humilis* and under *Pinus*: Tanger (Chouikreuh & Jbel Kbir).

\**Mycena capillaripes* Peck, (1888); among the needles of *Pinus pinea*: Tanger (Jbel Kbir, Malabata) & Sns: Larache and Tanger (Cherf el Akab).

\**Mycena capillaris* (Schumach.) P. Kumm., (1871), P. Karst., (1905); on decaying leaves of *Q. suber*: Tanger (Jbel Kbir) and Larache & Sns: Tanger.

\**Mycena cinerella* (P. Karst.) P. Karst., (1879); wastelands at *Chamaerops humilis* (Tanger: Jbel Kbir).

\**Mycena citrinomarginata* Gillet, (1876); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Mycena clavularis* (Batsch) Sacc., (1887); on rhytidome of *Eucalyptus*: Tanger (Jbel Kbir) and Sns: Tanger.

\**Mycena corticola* (Pers.) Gray, (1821), (Schumach.) Quél., (1872), sensu Masee, (= *Institicia roseoflava* (G. Stev.) E. Horak, 1971), sensu auct. brit., (= *Mycena hiemalis* (Osbeck) Quél., 1872), sensu NCL (1960), Kühner (1938), auct. mult., (= *Mycena meliigena* (Berk. & Cooke) Sacc., 1887); on living trunks and mossy of many trees with leaves or needles: Tanger (Jbel Kbir) & Sns: Tanger.

\**Mycena fibula* (Bull.) Kühner, (1938), (= *Rickenella fibula* (Bull.) Raitheh., 1973); under the *Quercus* in the mossy: Tanger (Jbel Kbir, Pardicaris) and Larache (Khemiss-of-Sahel).

\**Mycena flavipes* Quél., (1873), (= *Mycena renati* Quél., 1873), (Sibth.) Gray, (1821), (= *Mycena epipterygia* (Scop.) Gray, 1821); on *Quercus*: Tanger (Perdicaris and Cherf-el-Akab).

\**Mycena flavoalba* (Fr.) Quél., (1872), (= *Atheniella flavoalba* (Fr.) Redhead, Moncalvo, Vilgalys, Desjardin, B.A. Perry, 2012); under *Acacia mollissima*: Larache, on twigs indeterminate: Tanger (Jbel Kbir) and Sns: Larache and Tanger.

- \**Mycena flavoalba* var. *floridula* (Fr.) ss. Josserand, (1930); under *Pinus*: Tanger (Jbel Kbir) and Sns: Tanger.
- \**Mycena floccipes* (Fr.) Kühner, (1938), (= *Hydropus floccipes* (Fr.) Singer, 1962); on stumps and debris of *Q. suber* in the oak: Lalla Mimouna, El Araïch and Tanger & Sns: Lalla Mimouna, Larache and Tanger.
- \**Mycena galericulata* (Scop.) Gray, (1821); in the strains of *Quercus*: Tanger (Jbel Kbir) and Larache (Khemiss-of-Sahel) & Sns: Larache.
- \**Mycena galopus* (Pers.) P. Kumm., (1871); in oak among dead leaves or sometimes grafted on to twigs (*Rubus*): Tanger & Sns: Tanger.
- \**Mycena galopus* var. *nigra* Rea, (1922). Sns: Tanger (Ziatene & Tanger).
- \**Mycena haematopus* (Pers.) P. Kumm., (1871); on stumps and downed trunks: Tanger (Jbel Kbir) and Lalla Mimouna and on *Eucalyptus*: Lalla Mimouna.
- \**Mycena hiemalis* (Osbeck) Quél., (1872), sensu Cooke [Ill. Brit. Fung. 164 (250) lower figs. Vol. 2 (1882)], (= *Mycena olida* Bres., 1887); on mossy trunks: Tanger.
- \**Mycena iodiolens* S. Lundell, (1932), (= *Mycena filopes* (Bull.) P. Kumm., 1871); on land or grafted onto twigs and woody debris, under *Cerdu*, *Pinus* and *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris and Ziatene).
- \**Mycena Lactea* (Pers.) P. Kumm., (1871), (= *Hemimycena lactea* (Pers.) Singer, 1938); under *Pinus* sp.: Tanger (Cherf-el-Akab, Jbel Kbir and Tanger).
- \**Mycena leptcephala* (Pers.) Gillet, (1874); at land, under *Pinus halepensis*, *P. pinaster*, *Q. pyrenaica*, *Q. sp.*: Tanger & Sns: Tanger.
- \**Mycena mucor* (Batsch) Quél., (1875); on dead leaves: Tanger (Jbel Kbir).
- \**Mycena niveipes* (Murrill) Murrill, (1916); on *Olea* & *Q. suber*: Tanger (Cherf-el-Akab).
- \**Mycena olivascens* f. *pumila* (?). Sns: Tanger.
- \**Mycena osmundicola* J.E. Lange, (1914), (= *Mycena alphitophora* (Berk.) Sacc., 1887); on a fragment of cork hidden amongst the plants debris, near an tuft of *Osmonde* (*Osmunda regalis*): Tanger (Jbel Kbir) & Sns: Tanger.
- \**Mycena polyadelpha* (Lasch) Kühner, (1938); on rotting phyllodes of *Acacia cyanophylla* et on dead leaves of *Q. suber*: Tanger (Cherf-el-Akab, Ziatene).
- \**Mycena polygramma* (Bull.) Gray, (1821); on *Quercus* sp.: Tanger (Jbel Kbir, Perdicaris).
- \**Mycena praecox* Velen., (1920); on starin of *Quercus*: Tanger.
- \**Mycena pseudocorticola* Kühner, (1938); on *Q. suber* : Larache & Sns: Larache.
- \**Mycena pseudovulgaris* Velen., (1947), Kühner, (1938); among decaying needles, under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Mycena pura* (Pers.) P. Kumm., (1871); under the *Quercus* & *Pinus*: Tanger; Mamora' forest, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna (Ferjana), Larache and Tanger (Cherf el Akab, Jbel Kbir & Tanger).
- \**Mycena pura* f. *lutea* (Gillet) Arnolds (1982), (= *Mycena pura* (Pers.) P. Kumm., 1871). Sns: Lalla Mimouna.
- \**Mycena quercus-ilicis* Kühner, (1938); on *Q. faginea*: Tanger (Jbel Kbir).
- \**Mycena rorida* (Fr.) Quél., (1872), (= *Roridomyces roridus* (Fr.) Rexer, 1994); on twigs: Tanger (Jbel Kbir).
- \**Mycena rubromarginata* (Fr.) P. Kumm., (1821), sensu auct. brit. p.p., (= *Mycena capillaripes* Peck, 1888); on debris of *Olea* and on fallen branches unidentified (Tanger: Cherf-el-Akab, Jbel Kbir, Ziatene).
- \**Mycena sanguinolenta* (Alb. & Schwein.) P. Kumm., (1871); under the oak and the pines: Lalla Mimouna and Tanger & Sns: Lalla Mimouna, Larache and Tanger (Perdicaris and Tanger) and Sns: Lalla Mimouna, Larache and Tanger (Perdicaris and Tanger).

\**Mycena seynii* Quél., (1877); on pines' cones (*Pinus halepensis*, *P. insignis*, *P. pinaster*, *P. pinea*) in natural or planted pine: Tanger (Donabo, Jbel Kbir, Malabata, Perdicaris) & Sns: Tanger (Cherf el Akab).

\**Mycena smithiana* Kühner, (1938); on leaves of *Q. faginea*: Tanger.

\**Mycena stylobates* (Pers.) P. Kumm., (1871); on leaves of *Q. faginea* and rhytidome of *Acacia* sp.: Tanger (Jbel Kbir) and Sns: Tanger.

\**Mycena swartzii* (Fr.) A.H. Sm., (1947), (= *Rickenella swartzii* (Fr.) Kuyper, 1984); under the oak: Tanger (Perdicaris) & Sns: Tanger.

\**Mycena tenerrima* (Berk.) Quél., (1872), (= *Mycena adscendens* Maas Geest., 1981); on litter of *Acacia mollissima*, on rhytidome of *Eucalyptus* sp., needles of *Pinus pinea* and leaves of *Q. suber*: Larache and Tanger (Jbel Kbir and Cherf-el-Akab) and Sns: Tanger.

\**Panellus stipticus* (Bull.) P. Karsten, (1879); on *Q. Ilex* and *Q. suber*: Tanger (Jbel Kbir and Tanger).

Family: Niaceae

\**Flagelloscypha citrispora* (Pilát) D.A. Reid, (1964), (= *Flagelloscypha minutissima* (Burt) Donk, 1951); on *Eucalyptus globulus*, *Laurus nobilis* and *Q. faginea*: Tanger.

\**Lachnella barbata* (Kunze ex Fr.) Fr., (1849), (= *Trichopezizella barbata* (Kunze ex Fr.) Raitv., 1970); on dead stems of *Rubus ulmiformis*: Tanger.

\**Lachnella nidulans* Quél., (1883); on rhytidome of *Acacia* sp.: Tanger.

#### Family: Pleurotaceae

\**Geopetalum algidum* (?); on *Q. suber*: Tanger.

\**Geopetalum geogenium* (DC.) Pat., (1887), (= *Hohenbuehelia petaloides* (Bull.) Schulzer, 1866). Sns: Tanger.

\**Geopetalum striatulum* (Pers.) Kühner & Romagn., (1953), (= *Resupinatus striatulus* (Pers.) Murrill, 1915); on *Pinus*: Tanger.

\**Hohenbuehelia atrocoerulea* (Fr.) Singer, (1951); on *Quercus suber*: Tanger (Cherf-El-Akab).

\**Hohenbuehelia geogenia* (DC.) Singer, (1951), (= *Hohenbuehelia petaloides* (Bull.) Schulzer, 1866) sensu Rea (1922), (= *Hohenbuehelia tremula* (Schaeff.) Thorn & G.L. Barron, 1986); near and on strains of *Pinus pinea*: Tanger (Malabata).

\**Pleurotus dryinus* (Pers.) P. Kumm., (1871); on *Q. suber*'s living trunks: Tanger (Cherf-el-Akab and Tanger).

\**Pleurotus eryngii* var. *ferulae* (Lanzi) Sacc., (1878), in the wasteland, woodland and grassy places: Tanger and Sns: Tanger.

\**Pleurotus leptopus* (?); on *Q. suber*: Larache.

\**Pleurotus lignatilis* (Pers.) P. Kumm., (1871), (= *Ossicaulis lignatilis* (Pers.) Redhead & Ginns, 1985); on *Q. suber*: Larache and Tanger (Perdicaris and Tanger).

\**Pleurotus mutilus* (Fr.) Gillet, (1876), (= *Omphalina mutila* (Fr.) P.D. Orton, 1960), sensu Lange [Fl. Ag. Dan. 2: 71 & pl. 79C (1936)], auct. brit., (= *Clitopilus scyphoides* var. *scyphoides* (Fr.) Singer, 1946); among mosses, on the edge of a runoff and scrub trees: Larache (Khemiss-of-Sahel & Larache).

\**Pleurotus opuntiae* (Durieu et Lév.) Sacc., (1887); on debris of *Opuntia Ficus-indica*: Tanger (Ziatene).

\**Pleurotus opuntiae* var. *typicus* nob (?). Sns: Tanger.

\**Pleurotus ostreatus* (Jacq.) P. Kumm., (1871), sensu Stevenson, (= *Pleurotus purpureo-olivaceus* (G. Stev.) Segedin, P.K. Buchanan & J.P. Wilkie, 1995), (= *Pleurotus australis* Sacc., 1891), sensu Cooke [Ill. Brit. Fung. 279 (195) Vol.2 (1883)], (= *Pleurotus cornucopiae* (Paulet) Rolland, 1910); the typical form at the basis of living subjects or the recumbent trunks of *Q. suber*: Lalla Mimouna, Larache and Tanger (Cherf el Akab and Tanger).

\**Pleurotus pulmonarius* (Fr.) Quél., (1872), sensu auct., (= *Pleurotus ostreatus* (Jacq.) P. Kumm., 1871); on *Q. suber*: Lalla Mimouna (Ferjana).

#### Family: Pluteaceae

\**Pluteus cervinus* (Schaeff.) P. Kumm., (1871); on *Q. suber*, *Q. ilex*, *Cedrus* (!): plain and mountain: Lns, on *Q. suber*: Larache & Sns: Larache (Khemis-of-Sahel) and Tanger.

\**Pluteus chrysophaeus* (Schaeff.) Quél., (1872), sensu auct., (= *Pluteus phlebophorus* (Ditmar) P. Kumm., 1871). Sns: Larache and Tanger.

\**Pluteus cinereus* Quél., (1884), (= *Pluteus thomsonii* (Berk. & Broome) Dennis, 1948); a strain of *Quercus* sp.: Tanger (Perdicaris).

\**Pluteus cyanopus* Quél., (1883); a specimen on strain of *Q. suber*: Tanger (Cherf-el-Akab) and Sns: Tanger.

\**Pluteus hiatulus* Romagn., (1953), sensu auct., (= *Pluteus plautus* (Weinm.) Gillet, 1876); scattered or fascicled on planks (de Pin?): Tanger (Ziatene) and on *Q. suber*: Tanger.

\**Pluteus lutescens* (Fr.) Bres., (1929), (= *Pluteus romellii* (Britzelm.) Sacc., 1895); on *opuntia ficus-Indica*: Tanger (Cherf-el-Akab and Ziatene).

\**Pluteus marginatus* (Quél.) Bres., (1929), (= *Pluteus luctuosus* Boud., 1905); in wastelands at *Chamaerops humilis*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Pluteus minutissimus* Maire, (1937), (= *Pluteus podospileus* Sacc. & Cub., 1887). Sns: Tanger.

\**Pluteus minutissimus* f. *typicus* Kühner et Romagn., (?); at land, under the olive trees: Tanger (Ziatene).

\**Pluteus patricius* (Schulzer) Boud., (1904), (= *Pluteus petasatus* (Fr.) Gillet, 1876); on starins of *Q. suber* in the forests of the coastal area of northern Morocco: Tanger, Larache, and near Lalla-Mimouna & Sns: Lalla-Mimouna.

\**Pluteus pellitus* (Pers.) P. Kumm., (1871); on old stumps of *Q. suber*: Tanger (Cherf-el-Akab), coastal plateau & Sns: Tanger.

\**Pluteus salicinus* (Pers.) P. Kumm., (1871); on starin of *Eucalyptus* sp.: Tanger (Cherf-el-Akab) & Sns: Tanger.

\**Pluteus satur* Kühner et Romagn., (1956); at lan under *Quercus*, or in the cavities of *Olea europaea*' trunks: Tanger (Cherf-el-akab, Jbel Kbir and Ziatene) & Sns: Larache and Tanger.

\**Pluteus semibulbosus* (Lasch) Quél., (1875), sensu NCL (1960), Brit. Fung. Fl. 4: 85 (1986), (= *Pluteus inquilinus* Romagn., 1979); on rotten wood, Tanger (Cherf-el Akab) & Sns: Tanger.

\**Volvaria bombycina* (Pers.) P. Kumm., (1871), (= *Volvariella bombycina* (Schaeff.) Singer, 1951); on strains of *Q. suber*: Tanger (Cherf-el-Akab) and near Larache.

\**Volvaria parvula* (Weinm.) P. Kumm., (1871), (= *Volvariella pusilla* (Pers.) Singer, 1951), sensu auct., (= *Volvariella taylorii* (Berk. & Broome) Singer, 1951); on land smoked of garden: Tanger (Ziatene) Sns: Tanger.

\**Volvaria plumulosa* var. *griseola* Maire, (1928). Sns: Lns.

\**Volvaria speciosa* (Fr.) P. Kumm., (1871), (= *Volvopluteus gloiocephalus* (DC.) Justo, 2011); wastelands, road ditches, gardens and crops: from Tanger to El Jadida & Sns: Tanger (Cherf el Akab).

\**Volvaria volvacea* (Bull.) P. Kumm., (1871), (= *Volvariella volvacea* (Bull.) Singer, 1951). Sns: Tanger.

#### Family: Physalacriaceae

\**Oudemansiella badia* (Lucand) M.M. Moser, (1955), (= *Xerula pudens* (Pers.) Singer, 1951); under *Arbutus unedo* and *Q. coccifera*: Tanger (Malabata).

#### Family: Psathyrellaceae

\**Drosophila ammophila* (Durieu & Lév.) Kühner & Romagn., (1953), (= *Psathyrella ammophila* (Durieu & Lév.) P.D. Orton, 1960); maritime sands of coastal mediterranean & Atlantic, sometimes even inside. Scattered in the dunes near the sandy plants (*Euphorbia paralias*, *Andryala integrifolia*, *Psamma arenaria*, etc): Rharb (Lalla Mimouna).



\**Drosophila appendiculata* (Bull.) Quél., (1886), (= *Psathyrella candolleana* (Fr.) Maire, 1913); at the base of trunks in oak forests (*Q. faginea*, *Q. Ilex*, *Q. pyrenaica*): Tanger (Cherf-el-Akab, Jbel Kbir, Perdicaris) & Larache & Sns: Larache & Tanger (Cherf el Akab & Tanger).

\**Drosophila bipellis* (Quél.) Quél., (1888); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger (Cherf-el-Akab & Tanger).

\**Drosophila candolleana* (Fr.) Quél., (1886), (= *Psathyrella candolleana* (Fr.) Maire, 1913); in the wood of *Quercus* & under *Acacia cyanophylla* in maritime scrub: coastal (from Tanger to the Chaouia), on land & plant debris: Tanger & Larache & Sns: Larache (Khemis-of-Sahel) & Tanger (Cherf el Akab, Jbel Kbir, Diplomatie forest, Perdicaris & Tanger).

\**Drosophila gracilis* (Fr.) Quél., (1888), (= *Psathyrella corrugis* (Pers.) Konrad & Maubl., 1949); wasteland, grassy places of the plain & mountains & Land smoked. Hygrophile species: Tanger (Jbel Kbir) & Sns: Tanger.

\**Drosophila melanthina* (Fr.) Kühner & Romagn., (1953); on dead and decayed trunks of *Opuntia Ficus – indica* (L.) Mill: Tanger (Ziatene).

\**Drosophila spadiceogrisea* (Schaeff.) Quél., (1886); under *Q. suber*: Tanger (Cherf-el-Akab), pastures & oasis: Larache & Sns: Tanger.

\**Drosophila subatrata* (Batsch) Quél., (1886), (= *Parasola conopilus* (Fr.) Örstadius & E. Larss., 2008); Roadsides or among dead leaves, clusters of twigs, near old stumps, under hardwood (*Q. Ilex*, *Q. Suber*) & under conifers (*Cerdu*, *Pinus pinaster*) in all the coastal forests & mountain: Tanger (Cherf-el-Akab).

\**Psathyrella helobia* (Kalchbr.) Maire, (1937); on plant debris: Tanger.

Family: Schizophyllaceae

\**Schizophyllum commune* Fr., (1815); on woody species: on *Quercus Suber* L., *Q. faginea* Lamk., *Citrus sinensis* Pers. etc.: Tanger, on *Acacia cyanophylla*, *A. mollissima* and *Q. suber*: Larache, on *Acacia cyanophylla*: Tanger (Cherf el Akab) & Sns: Tanger.

### Family: Strophariaceae

\**Agrocybe aegerita* (V. Brig.) Singer, (1951), (= *Agrocybe cylindracea* (DC.) Maire, 1938); on decaying or dead trees: Larache and on *Populus sp.*: Larache.

\**Agrocybe pediades* (Fr.) Fayod, (1889), sensu Horak; pasture or grassy clearings, (especially in the mountains): Tanger (Cherf-el-Akab) and Larache & Sns: Tanger.

\**Agrocybe praecox* (Pers.) Fayod, (1889), sensu Horak, (= *Leucoagaricus leucothites* (Vittad.) Wasser, 1977); spatures or clearing forest, under *Pinus* sp: Tanger (Jbel Kbir) & Sns: Tanger.

\**Dryophila carbonaria* (Fr.) Quél., (1886), (= *Pholiota highlandensis* (Peck) A.H. Sm. & Hesler, 1968); Plains and in the mountain on the old fire places: Lns & Sns: Larache and Tanger (Cherf el Akab, Cuesta Colorada and Tanger).

\**Dryophila gummosa* (Lasch) Quél., (1886); under *Q. faginea* and *Q. pyrenaica*: Tanger (Cherf-el-Akab, Jbel Kbir).

\**Dryophila lubrica* (Pers.) Quél., (1886); on strains of *Pinus* and *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.

\**Dryophila spumosa* (Fr.) Quél., (1886); clustering on strains or felled trunks of *Pinus sp*: Tanger & Sns: Larache and Tanger (Cherf el Akab).

\**Galera badipes* (Pers.) Ricken, (1915); a harvest under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.

\**Galera graminea* Velen., (1921), (= *Galera graminea* Velen. Kühner, 1935). Sns: Tanger.

\**Galera hypnorum* (Schrank) P. Kumm., (1871), (Batsch) Quél., (1872); in wet foam: surroundings of Larache.

- \**Galera laevis* var. *glabrata* (Singer) Malençon & Bertault (1970), (= *Galera graminea* Velen. Kühner, 1935); grassy clearings: Tanger (Cherf-el-Akab).
- \**Galera marginata* (Batsch) P. Kumm., (1871); under the conifers (*Pinus insignis*) usually grafted on woody debris: Tanger (Perdicaris) & Sns: Tanger.
- \**Galera nana* (Petri) J.E. Lange, (1939), (= *Galerina nana* (Petri) Kühner, 1935); in March 1959 in a swampy area, under *Salix sp*: Tanger: (Perdicaris).
- \**Geophila coprophila* (Bull.) Quélet., (1886); on Bovine excrement: coastal area from Casablanca to Tanger & Sns: Tanger.
- \**Geophila coronilla* (Bull.) Quélet., (1886), (= *Stropharia coronilla* (Bull.) Quélet., 1872); pastures in the vicinity of forests: Tanger and Larache & Sns: Tanger (Cherf el Akab and Tanger).
- \**Geophila fascicularis* (Huds.) Quélet., (1886), (= *Hypholoma fasciculare* var. *fasciculare* (Huds.) P. Kumm., 1871); on many deciduous trees and needles (*Cedrus*, *Cytisus Battandieri*, *Eucalyptus sp.*, *Pinus insignis*, *Pinus pinaster*, *Q. faginea*, *Q. ilex*, *Q. Pyrenaica*, *Q. Suber*): Throughout Morocco Lns, under *Eucalyptus gomphocephala*: Lalla Mimouna, under and on *Quercus suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Larache (Khemiss-of-Sahel).
- \**Geophila inquilina* (Fr.) Kühner & Romagn., (1953), (= *Psilocybe inquilina* (Fr.) Bres., 1931); on debris of grasses and under *Q. suber*: Tanger (Perdicaris) and Lalla Mimouna & Sns: Tanger.
- \**Geophila merdaria* (Fr.) Quélet., (1886), (= *Psilocybe merdaria* (Fr.) Ricken, 1912); on excrement of various animals, in the forests and wastelands: from Casablanca to Tanger & Sns: Lalla Mimouna (Ferjana), Larache and Tanger.
- \**Geophila phillipsii* (Berk. & Broome) Kühner & Romagn., (1953), (= *Melanotus phillipsii* (Berk. & Broome) Singer, 1973); in a swampy place, on dead stems of *Carex hispida*, *serophularia sp.* etc: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Geophila semiglobata* (Batsch) Quélet., (1886), (= *Stropharia semiglobata* (Batsch) Quélet., 1872); on excrement of various animals: Tanger (Jbel Kbir) & Sns: Larache and Tanger.
- \**Geophila squamosa* (Pers.) Quélet., (1886), (= *Leratiomyces squamosus* var. *squamosus* (Pers.) Bridge & Spooner., 2008); under *Eucalyptus gomphocephala*: Lalla Mimouna.
- \**Geophila sublateritia* (Schaeff.) Quélet., (1886), (= *Hypholoma lateritium* (Schaeff.) P. Kumm., 1871); on old strains (*Q. suber*): Tanger (Cherf-el-Akab) and on *Quercus sp.*, *Gleophyllum abietinuss*, on an imported fir tree branch: Tanger.
- \**Gymnopilus hybridus* (Gillet) Maire, (1933), sensu auct., (= *Gymnopilus penetrans* (Fr.) Murrill, 1912). Sns: Lalla Mimouna and Tanger (Perdicaris).
- \**Gymnopilus penetrans* (Fr.) Murrill, (1912); on *Chamaerops humilis* and *Pinus*: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger (Donabo, Jbel Kbir, Perdicaris and Tanger).
- \**Gymnopilus penetrans* var. *hybridus* (Gillet) P. Roux & Guy García, (2006); on strain of *Pinus*: Tanger (Jbel Kbir and Perdicaris) & Sns: Tanger.
- \**Gymnopilus sapineus* (Fr.) Murrill, (1912); on *Pinus*: Tanger (Jbel Kbir and Perdicaris) & Sns: Tanger.
- \**Gymnopilus spectabilis* (Fr.) Singer, (1951), (= *Phaeolepiota aurea* (Matt.) Maire, 1928), sensu A.H. Smith, (1949), auct., (= *Gymnopilus junonius* (Fr.) P.D. Orton, 1960); forests, plantations and roadsides: the coastal area (between Casablanca and Tangier), on *Eucalyptus* and *Q. suber*: Larache, on *Eucalyptus*: Lalla Mimouna, on *Pinus* & Sns: Tanger (Donabo, Jbel Kbir, Perdicaris and Tanger).
- \**Gymnopilus suberis* (Maire) Singer, (1951); on downed trunks of *Q. suber*: Larache and Tanger (Cherf-el-Akab, Jbel Kbir and Tanger).
- \**Hebeloma anthracophilum* Maire, (1910); on old places coal: Tanger (Cherf-el-Akab and Jbel Kbir) & Sns: Tanger: (Cuesta Colorada & Tanger).
- \**Hebeloma cistophilum* Maire, (1928); among the *Cistus* and the undergrowth of woodland: Tanger (Cherf-el-Akab and Jbel Kbir) & Sns: Tanger (Cuesta Colorada and Tanger).

- \**Hebeloma crustuliniforme* (Bull.) Quél., (1872); in oak forests of the coast: Lalla Mimouna and Tanger (Cherf-el-Akab and Perdicaris) & Sns: Lalla Mimouna and Tanger.
- \**Hebeloma edurum* Métrod, (1946), Métrod ex Bon, (1985), (= *Hebeloma laterinum* (Batsch) Vesterh., 2005); rare; under the pines: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Hebeloma hiemale* Bres., (1892), sensu auct., (= *Hebeloma fragilipes* Romagn., 1965); glades of oak: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris).
- \**Hebeloma mesophaeum* (Pers.) Quél., (1872); forests of oaks, cedar forests or pure pine or mixed with the plain and mountains: Lalla Mimouna, Larache and Tanger & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache and Tanger (Cherf el Akab, Jbel Kbir and Tanger).
- \**Hebeloma sacchariolens* Quél., (1880), sensu NCL (1960), auct. mult., (= *Hebeloma pallidoluctuosum* Gröger & Zschiesch., 1984); under the oak (*Q. Suber*) and poplars, especially in cool places: Larache and Tanger (Agla and Cherf-el-Akab) & Sns: Larache and Tanger.
- \**Hebeloma sarcophyllum* (Peck.) Sacc., (1887); in woodlands or along the grassy paths and usually under the oaks or their neighborhood: Larache and Tanger & Sns: Larache and Tanger.
- \**Hebeloma sinapizans* (Paulet) Gillet, (1876), sensu Lange, (= *Hebeloma laterinum* (Batsch) Vesterh., 2005); under the pure oak (*Q. faginea*, *Q. ilex*, *Q. Pyrenaica*, *Q. Suber*), mixed forests of pine, cedar, holly and Cistus: Tanger (Cherf-el-Akab and Perdicaris) & Sns: Tanger.
- \**Hypholoma fasciculare* (Huds.) P. Kumm., (1871), sensu Masee, (= *Hypholoma acutum* (Sacc.) E. Horak, 1971); on *Quercus*, *Cedrus*, etc.: Tanger & Sns: Lalla Mimouna (Ferjana).
- \**Naucoria autochthona* (Berk. & Broome) Kühner & Romagn., (1953), (= *Tubaria dispersa* (L.) Singer, 1961); under *Olea* and under *Quercus*, Tanger (Cherf-el-Akab, Jbel Kbir, Ziatene) & Sns: Tanger.
- \**Naucoria carpophiloides* Kühner, (1957), (= *Flammulaster carpophilus* var. *carpophilus* (Fr.) Earle ex Vellinga, 1986); on various plant debris and rotting leaves of *Q. pyrenaica*: Tanger (Cherf-el-Akab, Jbel Kbir and Perdicaris) & Sns: Tanger.
- \**Naucoria centunculus* (Fr.) P. Kumm., (1871), (= *Simocybe centunculus* var. *centunculus* (Fr.) P. Karst., 1879).
- \**Naucoria conspersa* (Pers.) P. Kumm., (1871), (= *Tubaria conspersa* (Pers.) Fayod, 1889), sensu Lange, (= *Naucoria subconspersa* Kühner ex P.D. Orton, 1960); on various plant debris, and ditches along roadsides throughout the coastal plain: from El-Jadida to Tanger & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna) and Tanger (Cherf el Akab and Tanger).
- \**Naucoria erinacea* (Fr.) Gillet, (1876); on any species of dead branches on *Alnus glutinosa*, *Cistus laurifolius*, *Q. suber*, *salix pedicellata*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Lalla Mimouna and Tanger.
- \**Naucoria furfuracea* (Pers.) P. Kumm., (1871), (= *Tubaria furfuracea* (Pers.) Gillet, 1876). Sns: Tanger (Cuesta Colorado).
- \**Naucoria pellucida* Murrill, (1912); on various plant debris, in all the forests of the coastal zone: from Casablanca to Tanger & Sns: Tanger.
- \**Naucoria rheophylla* Bertault & Malençon, (1970), (= *Setchelliogaster tenuipes* (Setch.) Pouzar, 1958); heavy and wetlands, under *Olea* and *Eucalyptus*: Larache (Khemiss of Sahel and El Araïch) and Tanger (Cherf-el-Akab) & Sns: Lalla Mimouna (Ferjana).
- \**Naucoria submelinoides* (Kühner) Maire, (1930); a harvest in a swampy place under *salix* sp.: Tanger (Perdicaris).
- \**Pholiota carbonaria* A.H. Sm., (1944), (Fr.) Singer 1951, (= *Pholiota highlandensis* (Peck) A.H. Sm. & Hesler, 1968). Sns: Tanger (Cherf el Akab).
- \**Stropharia aeruginosa* (Curtis) Quél., (1872). Sns: Tanger (Jbel Kbir).
- \**Stropharia thrausta* (Kalchbr.) Sacc., (1887), (= *Leratiomyces squamosus* var. *thraustus* (Kalchbr.) Bridge & Spooner, 2008). Sns: Lalla Mimouna (Ferjana).
- \**Tubaria inquilina* (Fr.) Gillet, (1874), (= *Psilocybe inquilina* (Fr.) Bres., 1931). Sns: Lalla Mimouna.

#### Family: Tricholomataceae

- \**Campanella conchata* (Velen.) Romagn., (1981), (= *Arrhenia retiruga* (Bull.) Redhead, 1984); on stubble of grass: Tanger (Merja Kbir).
- \**Clitocybe bicolor* Dennis, (1952). Sns: Tanger (Perdicaris).
- \**Clitocybe brumalis* (Fr.) Quélet, (1872); under *Pinus*, *Acacia*: Larache and Tanger & Sns: Tanger.

- \**Clitocybe candicans* (Pers.) P. Kumm., (1871). Sns: Larache.
- \**Clitocybe clavipes* (Pers.) P. Kumm., (1871), (= *Ampulloclitocybe clavipes* (Pers.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002). Sns: Tanger.
- \**Clitocybe costata* Kühner & Romagn., (1954); under *Pinus pinea*: Tanger & Sns: Tanger.
- \**Clitocybe dealbata* (Sowerby) P. Kumm., (1871), sensu auct. mult., NCL (1960), (= *Clitocybe rivulosa* (Pers.) P. Kumm., 1871); pastures and very clear forests: between Rabat and Tanger & Sns: Larache (Khemiss-of-Sahel and Larache) & Tanger.
- \**Clitocybe diatreta* (Fr.) P. Kumm., (1871); under *Pinus*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Clitocybe dicolor* (Pers.) Murill, (1915). Sns: Lalla Mimouna (Ferjana), Larache and Tanger (Cherf el Akab, Donabo, Jbel Kbir, Perdicaris and Tanger).
- \**Clitocybe dryophila* var. *maxima* (?). Sns: Tanger (Perdicaris).
- \**Clitocybe ericetorum* (Pers.) Fr., (1872), (= *Lichenomphalia umbellifera* (L.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); grassy clearing: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Clitocybe flaccida* (Sowerby) P. Kumm., (1871), sensu Bresadola, (= *Clitocybe bresadolana* Singer, 1937); under *Acacia*, *Cerdu*, *Pinus* & *Quercus*: Lalla Mimouna and Tanger & Sns: Tanger.
- \**Clitocybe font-queri* R. Heim., (1935); pasture and scrub: Larache.
- \**Clitocybe fragrans* (With.) P. Kumm., (1871); under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna and Tanger.
- \**Clitocybe geotropa* (Bull.) Quél., (1872), (= *Infundibulicybe geotropa* (Bull.) Harmaja, 2003); under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Clitocybe gibba* (Pers.) P. Kumm., (1871); under the oaks and mixed forests of cedars and pines: from Casablanca to Tanger and Gharb plain & Sns: Lalla Mimouna (Ferjana), Larache (Khemiss-of-Sahel) and Tanger (Cherf el Akab and Donabo).
- \**Clitocybe infundibuliformis* (Quél.), (1872), sensu NCL (1960), auct., (= *Clitocybe gibba* (Pers.) P. Kumm., 1871), sensu auct., (= *Lepista flaccida* (Sowerby) Pat., 1887); under *Q. suber*: Lalla Mimouna and Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna, Larache (Khemiss-of-Sahel and Larache) and Tanger (Cherf el Akab, Cuesta Colorada, Perdicaris and Tanger).
- \**Clitocybe inversa* (Scop.) Quél., (1872), (= *Lepista flaccida* (Sowerby) Pat., 1887). Sns: Lalla Mimouna.
- \**Clitocybe lituus* (Fr.) Métrod, (1946); under *Pinus pinea*: Tanger (Donabo) & Sns: Tanger.
- \**Clitocybe metachroa* (Fr.) P. Kumm., (1871); under *Pinus*, *Cerdu*, *Acacia* sp. & *Q. suber*: Tanger (Akbaâ-Hamra, Cherf-el-Akab and Jbel Kbir) & Sns: Larache and Tanger (Cherf el Akab, Cuesta Colorada, Donabo and Tanger).
- \**Clitocybe obsoleta* (Batsch) Quél., (1872), sensu auct., (= *Clitocybe fragrans* (With.) P. Kumm., 1871). Sns: Tanger.
- \**Clitocybe odora* (Bull.) P. Kumm., (1871); under the oak and the Cedars: Tanger (Cherf-el-Akab, Perdicaris) & Larache (Khemiss-of-Sahel) & Sns: Larache & Tanger (Cherf el Akab and Tanger).
- \**Clitocybe olearia* (DC.) Maire, (1933), (= *Omphalotus olearius* (DC.) Singer, 1948); on *Q. suber* L., *Olea europaea* L., *Juniperus phoenicea* L.: Tanger.
- \**Clitocybe phyllophila* (Pers.) P. Kumm., (1871); among the giant piles of leaves or under bushes and brambles in oak: Tanger.
- \**Clitocybe phyllophila rivulosa* (Pers.) P. Kumm., (1871). Sns : Tanger.
- \**Clitocybe pithyophila* (Fr.) Gillet, (1874), (= *Clitocybe phyllophila* (Pers.) P. Kumm., 1871); under *Pinus pinea*: Tanger (Malabata).
- \**Clitocybe pseudoclusilis* (Joss. et Konrad) P. D. Orton, (1960), (= *Gamundia striatula* (Kühner) Raitelh., 1983); under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Clitocybe rivulosa* (Pers.) P. Kumm., (1871); clearings, pastures, roadsides: Larache & Lns.
- \**Clitocybe senilis* (Fr.) Gillet, (1874), sensu Rea (1922), (= *Rhodocybe popinalis* (Fr.) Singer, 1951); plantations, Puresou mixed the *Pinus halepensis*, *Acacia mollissima*, *Acacia retinodes*, *Eucalyptus gomphocephala*: Tanger and Larache.

- \**Clitocybe sinopica* (Fr.) P. Kumm., (1871); wood of Pins: Tanger (Cherf-el-Akab and Jbel Kbir).
- \**Clitocybe squamulosa* (Pers.) P. Kumm., (1821). Sns: Tanger.
- \**Clitocybe suaveolens* (Schumach.) P. Kumm., (1871); under *Acacia*, *Pinus* & *Quercus* in forests or tree plantations: from Rabat to Tanger & Sns: Lalla Mimouna, Larache and Tanger (Cherf el Akab).
- \**Clitocybe trulliformis* (Fr.) P. Karst, (1879), sensu Lange [Fl. Ag. Dan.], (= *Clitocybe costata* Kühner & Romagn., 1954); under *Pinus* & *Q. suber*: Tanger (Cherf-el-Akab and Akbaâ-Hamra) & Sns: Larache and Tanger.
- \**Clitocybe umbilicata* (Schaeff.) P. Kumm., (1871), sensu NCL (1960), Ricken, (= *Clitocybe subspadicea* (J.E. Lange) Bon & Chevassut, 1973); under the oak: Lalla Mimouna, Larache and Tanger (Jbel Kbir) & Sns: Larache and Tanger.
- \**Clitocybe vermicularis* (Fr.) Quél., (1872). Sns: Tanger.
- \**Clitocybula lenta* (Maire) Malençon & Bertault, (1975), (= *Leucoinocybe lenta* (Maire) Singer, 1943); on strains of *Q. suber* and *Q. ilex*: Tanger (Akbâa-Hamra).
- \**Clitocybula platyphylla* (Pers.) Malençon & Bertault, (1975), (Pers.) E. Ludw., (2001), (= *Megacollybia platyphylla* (Pers.) Kotl. & Pouzar, 1972); under the *Eucalyptus*: Tanger (Jbel Kbir).
- \**Collybia butyracea* (Bull.) P. Kumm., (1871), (= *Rhodocollybia butyracea* (Bull.) Lennox, 1979); under the oak: Lns, under the *Quercus* and the *Pinus*: Tanger, under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache (Khemiss-of-Sahel and Larache) and Tanger (Cherf el Akab, Cuesta Colorada, Donabo, Jbel Kbir and Tanger).
- \**Collybia cirrhata* (Schumach.) Quél., (1872), sensu Cooke, (= *Collybia cookei* (Bres.) J.D. Arnold, 1935); on old rotting *Agaricus*: Tanger.
- \**Collybia conigena* (Pers.) P. Kumm., (1871); on cones of *Pinus Pinea*: Tanger.
- \**Collybia cookei* (Bers.) J.D. Arnold, (1935); ); on old rotting *Agaricus*: Tanger (Cherf-el-Akab).
- \**Collybia dryophila* (Bull.) P. Kumm., (1871), (= *Gymnopus dryophilus* (Bull.) Murrill, 1916); under the *Quercus*: Tanger & Sns: Tanger (Cherf el Akab and Perdicaris).
- \**Collybia lenta* (Maire) Maire, (1933), (= *Leucoinocybe lenta* (Maire) Singer, 1943); on *Q. suber*: Tanger.
- \**Collybia longipes* P. Kumm., (1871), (= *Xerula pudens* (Pers.) Singer, 1951); Sns: Tanger.
- \**Collybia platyphylla* (Pers.) P. Kumm., (1871), (= *Megacollybia platyphylla* (Pers.) Kotl. & Pouzar, 1972). Sns: Tanger.
- \**Collybia xanthophylla* Malençon & Bertault, (1975), (= *Callistosporium luteo-olivaceum* (Berk. & M.A. Curtis) Singer, 1946); on stumps and woody debris of *Pinus insignis*: Tanger (Perdicaris).
- \**Delicatula cephalotricha* (Joss.) Cejp, (1938); (= *Hemimycena cephalotricha* (Joss. ex Redhead) Singer, 1986); on living trunks or dead trees, sometimes up to more than 2 m above the ground, and on bark of *Q. suber*: Tanger (Cherf-el-akab) & Sns: Tanger.
- \**Delicatula crispata* (Kühner) Kühner & Romagn., (1953), (= *Hemimycena crispata* (Kühner) Singer, 1943); under *Eucalyptus rostrata* and among the phylloides of *Acacia cyanophylla* or in the middle of decaying plant debris: Tanger (Cherf-el-Akab, Jbel Kbir).
- \**Delicatula crispula* (Quél.) Kühner et Romagn., (1953), (Quél.) Pat., (1900), (= *Hemimycena hirsuta* (Tode) Singer, 1986); on old palms of *chamaerops humulis*, dead leaves of *Olea europaea*, *Phillyrea*, *Viburnum Tinus*, and other various plant debris: Tanger (Jbel Kbir, Ziatene) & Sns: Tanger.
- \**Delicatula gracilis* (Quél.) Kühner et Romagn., (1953), (= *Hemimycena gracilis* (Quél.) Singer, 1943); grassy places: Tanger (Cherf-el-Akab, Jbel Kbir, Ziatene).
- \**Delicatula ignobilis* (Joss.) Kühner & Romagn., (1953); on small squares of clay, in stony wasteland at *Cistus*, loosely treed of *Q. suber*: Tanger (Akbâa-Hamra) & Sns: Tanger.

- \**Delicatula mauretana* (Maire) Kühner & Romagn., (1953), (= *Hemimycena mauretana* (Maire) Singer, 1943); on *Acacia* phyllodes, dead leaves of *Populus nigra* and *Quercus*: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger.
- \**Delicatula pithyophila* Malençon, (1975), (= *Hemimycena pithyophila* Malençon ex A. Ortega & Esteve-Rav., 1996); on needles of *Pinus pinea*: Tanger (Donabo).
- \**Lepista glaucocana* (Bres.) Singer, (1951), (= *Lepista glaucocana* (Bres.) Singer, 1951); scrub and woodland of hardwoods and conifers, in the same habitats as *lepista nuda*: Lalla Mimouna and Tanger (Cherf-el-Akab).
- \**Lepista irina* (Fr.) H. E. Bigelow, (1959); clearing and pastures: Tanger (Cherf-el-Akab).
- \**Lepista luscina* (Fr.) Singer, (1951), sensu auct., (= *Lepista panaeolus* (Fr.) P. Karst., 1879); clearings, pastures and woodlands with evergreen *Quercus*, *Cerdu*s and *Pinus*: Tanger (Cherf-el-Akab) and Lalla Mimouna & Sns: Tanger (Perdicaris).
- \**Lepista nuda* (Bull.) Cooke, (1871); forests and scrub, under *Quercus*, *Cerdu*s and *Pinus*: coastal plateau from Es-Saouira to Tanger & Sns: Lalla Mimouna (Ferjana).
- \**Lepista panaeolus* (Fr.) P. Karst., (1879). Sns: Tanger (Cherf el Akab).
- \**Lepista sordida* (Schumach.) Singer, (1951); pastures and forests clear: from Rabat to Tanger.
- \**Leucopaxillus albissimus* (Peck) Singer, 1939. Sns: Lns.
- \**Leucopaxillus albissimus* var. *Barbarus* (Maire) Singer & A.H. Sm., (1943). Sns: Lns.
- \**Leucopaxillus amarus* (Alb. & Schwein.) Kühner, (1928), sensu NCL (1960), (= *Leucopaxillus gentianeus* (Quél.) Kotl., 1966); under hardwoods and coniferous trees: Tanger (Jbel Kbir and Perdicaris) & Sns: Tanger (Perdicaris and Tanger).
- \**Melanoleuca adstringens* (Pers.) Konrad, (1927), sensu BFF8: 65 (1998), (= *Melanoleuca cognata* var. *nauseosa* Boekhout, 1988); under *Q. suber*: Tanger (Cherf-el-Akab).
- \**Melanoleuca brevipes* (Bull.) Pat., (1900), sensu NCL (1960), (= *Melanoleuca langei* (Boekhout) Bon, 1990). Sns: Tanger.
- \**Melanoleuca cognata* (Fr.) konrad & Maubl., (1927); under *Pinus*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Melanoleuca evenosa* (Sacc.) Konrad, (1927), sensu auct. brit., (= *Melanoleuca strictipes* (P. Karst.) Jul. Schäff., 1951). Sns: Tanger.
- \**Melanoleuca excissa* (Fr.) Singer, (1935); under *Pinus halepensis* & *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Melanoleuca graminicola* (Velen.) Kühner & Maire, (1934), sensu Kühner & Romagnesi, auct., (= *Melanoleuca melaleuca* (Pers.) Murrill, 1911), sensu auct., (= *Melanoleuca stridula* (Fr.) Singer, 1943); under *Acacia* and *Pinus*: Tanger (Cherf-el-Akab, Perdicaris and Ziatene) & Sns: Tanger.
- \**Melanoleuca grammopodia* (Bull.) Murrill, (1914); spatures, scrub and clearing: Tanger (Cherf-el-Akab and Jbel Kbir) & Sns: Tanger.
- \**Melanoleuca melaleuca* (Pers.) Murrill, (1911), sensu NCL (1960), auct. mult., (= *Melanoleuca polioleuca* (Fr.) Kühner & Maire, 1934); pastures and hardwood forests (*Quercus*) or of conifers (*Pinus*, *Cedrus*): from Casablanca to Tanger & Sns: Larache.
- \**Melanoleuca pascua* nov. sp. ad int.(?); in the wasteland or in the vicinity of cultures: coastal plateau.
- \**Melanoleuca* sp. (*Melanoleuca congregata* R. Berrault in sched., n° RB. 11388). On March 3, 1968; under *Eucalyptus* & *Olea*: Tanger (Cherf-el-Akab).
- \**Melanoleuca turrita* (Fr.) Singer, (1935); under *Pinus halepensis*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Myxomphalia maura* (Fr.) Hora, (1960), (Fr.) H.E. Bigelow, (1959); under forest (*Cerdu*s, *Pinus*, *Quercus*): Larache (El Araïch).

- \**Omphalia fibula* (Bull.) P. Kumm., (1871), (= *Rickenella fibula* (Bull.) Raitelh., 1973); under the *Quercus* in the mossy: Tanger & Sns: Larache and Tanger.
- \**Omphalia grisella* P. Karst., (1890), (= *Lichenomphalia velutina* (Quél.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002). Sns: Tanger.
- \**Omphalina ericetorum* (Pers.) M. Lange, (1955), (= *Lichenomphalia umbellifera* (L.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); on the shaded wetland: Tanger (Jbel Kbir).
- \**Omphalina obscurata* D.A. Reid, (1958), Kühner ex M. Lange, (1955), (= *Arrhenia obscurata* (D.A. Reid) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002). Sns: Tanger (Perdicaris).
- \**Omphalina rickenii* Hora, (1960), (= *Arrhenia rickenii* (Hora) Watling, 1989); at land ground, among the small foam: Tanger (Cherf-El-Akab) et Sns: Tanger.
- \**Omphalina rosella* (M.M. Moser) M.M. Moser ex Redhead, Ammirati & Norvell, (1996), (M.M. Moser) M.M. Moser, (1953), (= *Contumyces rosellus* (M.M. Moser) Redhead, Moncalvo, Vilgalys & Lutzoni, 2002); wastelands and lawns shaved: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Omphalina velutina* (Quél.) Quél., (1886), (= *Lichenomphalia velutina* (Quél.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); side ditches, fees ravines: Tanger (Jbel Kbir) & Sns: Tanger (Jbel Kbir).
- \**Omphalina vesuviana* (F. Brig.) Bellù & Lazzari, (1985), (= *Contumyces vesuvianus* (F. Brig.) Redhead, Moncalvo, Vilgalys & Lutzoni, 2002); pastures and oak clear, especially sandy: Lalla Mimouna (Ferjana), Larache (Khemiss-of-Sahel) and Tanger (Jbel Kbir, Ziatene) & Sns: Larache and Tanger.
- \**Resupinatus applicatus* (Batsch) Gray, (1821); underside of downed wood or dead branches of various trees: *Acacia mollissima*, *Acer granatense*, *Eucalyptus* sp., *Pinus* sp., *Pistacia lentiscus*, *Q. ilex*, etc...: Tanger (Jbel Kbir and Perdicaris).
- \**Resupinatus silvanus* (Sacc.) Singer, (1951), (= *Hohenbuehelia silvana* (Sacc.) O.K. Mill., 1986); of woody debris of *Accacia cyanophylla*, *Q. faginea* & *Pinus pinea*: Tanger (Cherf-el-Akab and Jbel Kbir).
- \**Resupinatus striatulus* (Pers.) Murill, (1915); on *Eucalyptus*, *Pinus* sp., *Acacia cyanophylla*: Tanger (Jbel Kbir, Perdicaris & Cherf-el-Akab).
- \**Ripartites Helomorpha* (Fr.) P. Karst., (1879), (= *Ripartites tricholoma* (Alb. & Schwein.) P. Karst., 1879); on the edge of a gravel path: Tanger (Jbel Kbir: Lotissement Mediouna) & Sns: Tanger.
- \**Tricholoma acerbum* (Bull.) Vent., (1872); scrub flown at *Q. Ilex* and *Q. suber* and clearing forest: Tanger (Akbaâ-Hamra) & Sns: Tanger (Cuesta Colorada and Tanger).
- \**Tricholoma albobrunneum* (Pers.) P. Kumm.,(1871), sensu Ricken (1915), (= *Tricholoma batschii* Gulden, 1969), sensu auct. brit., (= *Tricholoma ustale* (Fr.) P. Kumm., 1871), (= *Tricholoma ustaloides* Romagn., 1954); under *Pinus halepensis* and *P. pinea*: Tanger (Cherf-el-Akab, Jbel Kbir, Malabata, Perdicaris) & Sns: Tanger (Cherf el Akab, Donabo and Tanger).
- \**Tricholoma album* (Schaeff.) P. Kumm., (1871), sensu NCL (1960) p.p., J.E. Lange, (= *Tricholoma stiparophyllum* (S. Lundell) P. Karst., 1879); under *Q. suber* and *Acacia cyanophylla*: Tanger (Cherf-el-Akab, the mouth of the Oued Tahadartz: between Tanger and Asilah) & Sns: Tanger.
- \**Tricholoma Astrosquamosum* (Chev.) Sacc., (1887); under the oak: Tanger (Cherf-el-Akab, Perdicaris, Akaâ-Hamra) and Larache (Khemiss-of-Sahel).
- \**Tricholoma atrocinereum* (Pers.) Quél., (1872), (= *Dermoloma cuneifolium* (Fr.) Singer ex Bon, 1986); on a mossy bank: Tanger (Jbel Kbir).
- \**Tricholoma atosquamosum* Sacc., (1887), sensu Lange [Fl. Ag. Dan. 1: 53 & pl. 22D (1935); under *Q. suber*: Larache (Khemiss-of-Sahel and Larache) & Sns: Larache and Tanger (Cherf el Akab, Cuesta Colorada, Jbel kbir & Tanger).
- \**Tricholoma atosquamosum* var. *squarrulosum* (Bres.) Konrad, (1929). Sns: Larache.

- \**Tricholoma cookeanum* R. Bertault & G. Malençon, (1975); in the grass at the roadside: Tanger (Ziatene).
- \**Tricholoma equestre* (L.) P. Kumm., (1871); under *Pinus pinea*: Tanger & Sns: Larache.
- \**Tricholoma exsculptum* (?). Sns: Tanger (Perdicaris and Tanger).
- \**Tricholoma flavovirens* S. Lundell, (1942), (= *Tricholoma equestre* (L.) P. Kumm., 1871); under *Pinus pinea*, *Pinus halepensis* and *P. pinaster*: Tanger (Jbel Kbir) and Larache (El-Araïch).
- \**Tricholoma inodermeum* (Fr.) Sacc., (1887). Sns: Tanger.
- \**Tricholoma pessundatum* (Fr.) Quél., (1872); under the pines: Tanger (Cherf-el-Akab, Jbel Kbir) & Sns: Tanger (Donabo, Jbel Kbir and Tanger).
- \**Tricholoma portentosum* (Fr.) Quél., (1873). Sns: Tanger (Jbel Kbir).
- \**Tricholoma rutilans* (Schaeff.) P. Kumm., (1871), (= *Tricholomopsis rutilans* (Schaeff.) Singer, 1939), sensu Massee, (= *Gymnopilus crociphyllus* (Sacc.) Pegler, 1965). Sns: Tanger.
- \**Tricholoma saponaceum* (Fr.) P.Kumm., (1871); under *Quercus* and *Eucalyptus*: Tanger (Jbel Kbir, Akbaâ-Hamra) and Larache (Khemiss-of-Sahel and Larache) & Sns: Lalla Mimouna (Ferjana), Larache (Khemiss-of-Sahel and Larache) and Tanger (Cuesta Colorada, Jbel Kbir, Perdicaris and Tanger).
- \**Tricholoma saponaceum* f. *carneifolium* Berlault, (1975); under *Eucalyptus globulus*: Tanger (Jbel Kbir).
- \**Tricholoma saponaceum* var. *lavedanum* Rolland, (1891). Sns: Tanger.
- \**Tricholoma scalpturatum* (Fr.) Quél., (1872); under *Q. suber*: Tanger (Cherf-el-Akab), Larache (Khemiss-of-Sahel) and Lalla Mimouna (Ferjana) & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache and Tanger (Cherf el Akab and Tanger).
- \**Tricholoma scalpturatum* var. *argyraceum* (Bull.) Kühner & Romagn., (1953), (= *Tricholoma argyraceum* (Bull.) Gillet, 1874); under *Q. suber*: Tanger (Cherf-el-Akab).
- \**Tricholoma sejunctum* (Sowerby) Quél., (1872); under *Pinus pinea* & *Q. suber*: Tanger (Jbel Kbir).
- \**Tricholoma sulphureum* (Bull.) P. Kumm., (1871); under *Q. suber*: Lalla Mimouna and from Tanger to Casablanca & Sns: Lalla Mimouna (Ferjana and Lalla Mimouna), Larache (Khemiss-of-Sahel and Larache) and Tanger (Cherf el Akab, Cuesta Colorada, Perdicaris & Tanger).
- \**Tricholoma sulphureum* var. *eusulphureum* Maire, (1937); under the *Quercus*: Tanger.
- \**Tricholoma terreum* (Schaeff.) P. Kumm., (1971); oaks: from Casablanca to Tanger, under *Q. suber* & Sns: Larache & Tanger.
- \**Tricholoma ustaloides* Romagn., (1954); under *Q. suber*: Larache (Laraïch forest, Khemiss-of-Sahel) & Tanger (Akbaâ-Hamra, Jbel Kbir & Perdicaris) & Sns: Larache & Tanger (Cherf el Akab, Perdicaris & Tanger).
- \**Tricholomopsis rutilans* (Schaeff.) Singer, (1939); on strains of *Pinus*: Tanger (Jbel-Kbir & Perdicaris).

### Family: Typhulaceae

- \**Pistillaria pusilla* (Pers.) Fr., (1797), (= *Typhula pusilla* (Pers.) J. Schröt., 1888), sensu auct., (= *Ceratellopsis sagittiformis* (Pat.) Corner, 1950), (= *Typhula setipes* (Grev.) Berthier, 1976), sensu Breitenbach & Kränzlin, non Corner, (= *Ceratellopsis acuminata* (Fuckel) Corner, 1950); on *Eucalyptus*' phyllode: Tanger.
- \**Pistillina thaxteri* (Burt) Corner, (1950), (= *Typhula thaxteri* (Burt) Berthier, 1974); on rotting bark: Tanger.

Order: Auriculariales

### Family: Auriculariaceae

- \**Auricularia auricula-judae* (Bull.) Quél., (1886), sensu Cranwell, (= *Auricularia cornea* Ehrenb., 1820); on *Q. suber*: Lalla Mimouna & Sns: Tanger.



\**Hirneola auricula-judae* (Bull.) Berk., (1860), (= *Auricularia auricula-judae* (Bull.) Quél., 1886), sensu Hooker, (= *Auricularia cornea* Ehrenb., 1820); on *Q. suber*: Lalla Mimouna (Ferjana forest).

Order: Boletales

### Family: Boletaceae

\**Boletus aereus* Secr., Bull., (1789); under *Q. suber*: from Tanger to Ben-Slimane & Sns: Lalla Mimouna (Ferjana), Larache (Khemiss-of-Sahel) & Tanger (Cherf el Akab & Cuesta Colorada).

\**Boletus aestivalis* Paulet Fr., (1838), (= *Boletus reticulatus* Schaeff., 1774). Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf-el-Akab, Diplomatic forest et Tanger).

\**Boletus appendiculatus* subsp. *pallescens* Konrad, (1929), (= *Boletus fechtneri* Velen., 1922). Sns: Tanger.

\**Boletus castaneus* Schumach., (1803), Bull., (1788), (= *Gyroporus castaneus* (Bull.) Quél., 1886), Weber, (1787), (= *Ganoderma lucidum* (Curtis) P. Karst., 1881); under *Q. suber*: Lalla Mimouna & Sns: Lalla Mimouna, Larache & Tanger (Cherf el Akab, Diplomatic forest & Tanger).

\**Boletus chrysenteron* Bull., (1791), (= *Xerocomellus chrysenteron* (Bull.) Šutara, 2008). Sns: Larache & Tanger (Cherf el Akab, Cuesta Colorada & Diplomatic forest).

\**Boletus chrysenteron* var. *armeniacus* (?). Sns: Lalla Mimouna, Larache & Tanger.

\**Boletus chrysenteron* var. *versicolor* (?). Sns: Lalla Mimouna, Larache & Tanger.

\**Boletus cramesinus* Secr., (1833), (= *Aureoboletus gentilis* (Quél.) Pouzar, 1957). Sns: Larache (Khemiss-of-Sahel & Larache).

\**Boletus crocipodius* Letell., (1838), (= *Leccinellum crocipodium* (Letell.) Bresinsky & Manfr. Binder, 2003). Sns: Lalla Mimouna, Larache & Tanger (Cuesta Colorada).

\**Boletus cyanescens* W. Saunders & W.G. Sm., (1908), Bull., (1788), (= *Gyroporus cyanescens* (Bull.) Quél., 1886). Sns: Tanger.

\**Boletus edulis* Bull., (1782), Rostk., (1838); in oak (*Q. suber*): Lalla Mimouna, Larache (Khemiss-of-Sahel & Larache) & Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab & Cuesta Colorada).

\**Boletus erythropus* Krombh., (1846), Pers., (1796), sensu auct. mult., (= *Boletus luridiformis* var. *luridiformis* Rostk., 1844), sensu Persoon [Syn. Met. Fung.: 513 (1801)], (= *Boletus queletii* Schulzer, 1885); under *Q. suber*: Larache (Khemiss-of-Sahel) & Meseta littorale & Sns: Larache & Tanger (Cherf el Akab).

\**Boletus fechtneri* Velen., (1922); under *Q. suber*: Tanger (Cherf-el-Akab).

\**Boletus fragrans* Vittad., (1835); under *Q. suber*: Tanger (Jbel Kbir, Cherf-el-Akab) & Larache (Khemiss-of-Sahel) & Sns: Larache (Khemiss-of-Sahel) & Tanger.

\**Boletus granulatus* L., (1753), (= *Suillus granulatus* (L.) Roussel, 1796). Sns: Larache & Tanger (Cherf el Akab, Diplomatic forest & Tanger).

\**Boletus granulatus* var. *mediterraneensis* Jacquet. & J. Blum, (1965). Sns: Larache & Tanger.

\**Boletus impolitus* Fr., (1838); oak forests: Tanger (Cherf-el-Akab, Jbel Kbir) & Larache (Khemiss-of-Sahel) & Sns: Larache (Khemiss-of-Sahel) & Tanger (Cherf el Akab, Cuesta Colorada & Tanger).

\**Boletus leptopus* (?). Sns: Larache & Tanger (Cherf el Akab, Perdicaris & Tanger).

\**Boletus leptosus* (?). Sns: Tanger (Cherf el Akab).

\**Boletus lignicola* Kallenb., (1929), (= *Buchwaldoboletus lignicola* (Kallenb.) Pilát, 1969); on *Pinus pinea*'s strain: Tanger.

\**Boletus luridus* Viv., (1834), Schaeff., (1774), Sowerby; under *Q. suber*: Tanger (Cherf-el-Akab, Malabata & Perdicaris) & Larache (Khemiss-of-sahel) & Sns: Larache (Khemiss-of-sahel) & Tanger.

- \**Boletus piperatus* Barla, (1859), Bull., (1790), (= *Chalciporus piperatus* (Bull.) Bataille, 1908). Sns: Tanger.
- \**Boletus pulverulentus* Opat., (1836); under *Q. suber*: Tanger (Cherf-el-Akab) & Larache (Khemiss-of-Sahel) & Sns: Tanger (Cherf-el-Akab & Tanger).
- \**Boletus queletii* Schulzer, (1885); under *Q. suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Boletus radicans* Gillet, (1878), Rostk., (1838), Pers., (1801), sensu Rea, (1922), auct., (= *Boletus pulverulentus* Opat., 1836); under *Q. Suber*: Tanger (Cherf-el-Akab) & Sns: Tanger.
- \**Boletus rhodoxanthus* (Krombh.) Kallenb., (1925); under *Q. suber*: Larache (Khemiss-of-Sahel) & Sns: Larache (Khemiss-of-Sahel & Larache).
- \**Boletus satanas* Rostk, (1838), Lenz., (1831); under *Q. faginea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Boletus subtomentosus* J.F. Gmel., (1792), Bolton, (1788), sensu Bolton [Hist. Fung. Halifax 2, pl. 87)], (= *Coltricia perennis* (L.) Murrill, 1903), L., (1753), J.A. Palmer; under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Lalla Mimouna, Larache & Tanger (Cherf el Akab & Cuesta Colorada).
- \**Boletus subtomentosus* var. *spadiceus* (?). Sns: Tanger.
- \**Krombholziella crocipodia* (Letell.) Maire, (1937), (= *Leccinellum crocipodium* (Letell.) Bresinsky & Manfr. Binder, 2003); under *Quercus*: Tanger.
- \**Leccinum crocipodium* (Letell.) Watling, (1961); under *Q. suber*: Tanger (Akbaâ-Hamra, Cherf-el-Akab & Jbel-kbir) & Larache (Khemiss-of-Sahel).
- \**Leccinum crocipodium* var. *corsicum* (Rolland) Bertault, (1980), (= *Leccinellum corsicum* (Rolland) Bresinsky & Manfr. Binder, 2003). Sns: Tanger (Akbaâ-Hamra).
- \**Pulveroboletus cramesinus* (Secr. ex Watling) M.M. Moser ex Singer, (1966), (= *Aureoboletus gentilis* (Quél.) Pouzar, 1957); under *Q. suber*: Larache (Khemiss-of-Sahel).
- \**Pulveroboletus hemichrysus* (Berk. & M.A. Curtis) Singer, (1962), (= *Buchwaldoboletus hemichrysus* (Berk. & M.A. Curtis) Pilát, 1969); in the sawdust surrounding a strain of *Pinus halpensis*: Tanger & Sns: Lns.
- \**Pulveroboletus lignicola* (Kallenb.) E.A. Dick & Snell, (1965), (= *Buchwaldoboletus lignicola* (Kallenb.) Pilát, 1969); on *Pinus pinea*'s strain: Tanger (Jbel Kbir).
- \**Tubiporus edulis* subsp. *aereus* (Bull.) Maire, (1937), (= *Boletus aereus* Bull., 1789); under *Q. suber* L.: Tanger & Sns: Tanger.
- \**Xerocomus armeniacus* (Quél.) Quél., (1888), (= *Xerocomellus armeniacus* (Quél.) Šutara, 2008); cork oak forests (*Q. suber*): Tanger (Cherf-El-Akab, Perdicaris), Larache (Khemiss-of-Sahel & Larache) & Lalla Mimouna & Sns: Lalla Mimouna, Larache (El Araïch) & Tanger (Cherf el Akab).
- \**Xerocomus badius* (Fr.) E.-J. Gilbert, (1931), (= *Boletus badius* (Fr.) Fr., 1832); in pine forest (*Pinus halpensis*, *P. pinea*): Tanger (Cherf-El-Akab, Jbel Kbir & Perdicaris) & Sns: Tanger.
- \**Xerocomus chrysenteron* (Bull.) Quél., (1888), (= *Xerocomellus chrysenteron* (Bull.) Šutara, 2008); under the oak: *Q. faginea*, *Q. Ilex*, *Q. suber*: Tanger (cherf-El-Akab), Larache (Khemiss-of-Sahel) & Lalla Mimouna & Sns: Tanger (Cherf el Akab & Perdicaris).
- \**Xerocomus rubellus* (Krombh.) Quél., (1896), (= *Xerocomellus rubellus* (Krombh.) Šutara, 2008); under the *Quercus* (*Q. faginea*, *Q. Ilex*, *Q. Ilex*, *Q. suber*): Tanger (cherf-El-Akab), Larache (Khemiss-of-Sahel) & Lalla Mimouna & Sns: Tanger (Cherf el Akab) & Larache (Khemiss-of-Sahel).
- \**Xerocomus subtomentosus* (L.) Quél., (1888), (= *Boletus subtomentosus* L., 1753); Wood of *Q. faginea*, *Q. pyrenaica* & *Q. Suber*: Tanger (Cherf-El-Akab, Dahar-Zhiro, Jbel Kbir, Perdicaris), Larache (Khemiss-of-Sahel) & Lalla mimouna.

**Family: Coniophoraceae**

\**Coniophora laxa* (Fr.) Quél., (1886), (= *Coniophora puteana* (Schumach.) P. Karst., 1868); on *Pinus Insignis*.

\**Coniophora laxa* (Fr.) Quél., (1886), (= *Coniophora puteana* (Schumach.) P. Karst., 1868); on *Pinus Insignis*: Tanger.

\**Coniophorella olivacea* (Fr.) P. Karst., (1879), (= *Coniophora olivacea* (Fr.) P. Karst., 1879); on *Pinus insignis*: Tanger.

\**Coniophorella umbrina* (Alb. & Schwein.) Bres., (1903), (= *Coniophora olivacea* (Fr.) P. Karst., 1879); on *Pinus*: Tanger.

**Family: Diplocystidiaceae**

\**Astraeus hygrometricus* (Pers.) Morgan, (1889); forêts sablonneuses: Larache, Tanger (Cher-el-Akab), forêt de la Mamora, Azrou (Moyen Atlas), 1600 m., forêt de Camp Boulhaut (Chaouia).

**Family: Gomphidiaceae**

\**Chroogomphus rutilus* (Schaeff.) O.K. Mill., (1964); under coniferous, *Abies pinsapo*, *Pinus halepensis*, *P. pinaster*, *P. pinea*: Tanger (Cherf-el-Akab & Jbel Kbir).

\**Gomphidius glutinosus* (Schaeff.) Fr., (1838); under coniferous, *Pinus*: Tanger (Cherf-el-Akab & Tanger).

**Family: Gyroporaceae**

\**Gyroporus castaneus* (Bull.) Quél., (1886); clear oak: Tanger (Cherf-el-Akab), Larache (Khemiss-of-Sahel) & Lalla-Mimouna & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna) & Tanger (Cherf el Akab).

\**Gyroporus cyanescens* (Bull.) Quél., (1886); under *Q. suber*: Tanger (Cherf-el-Akab).

**Family: Paxillaceae**

\**Paxillus involutus* (Batsch) Fr., (1838); under *Eucalyptus*: Lalla Mimouna & Sns: Tanger.

\**Paxillus panuoides* (Fr.) Fr., (1838), (= *Tapinella panuoides* (Batsch) E.-J. Gilbert, 1931); on the pine *P. halepensis*, *P. insignis* & *P. pinaster*: Tanger (Malabata, Perdicaris & center of Tanger) & Meseta littorale & Sns: Tanger (Perdicaris & Tanger).

\**Paxillus panuoides* var. *ionipus* (Quél.) Tkalčec & Mešić, (2003), (= *Paxillus panuoides* (Fr.) Fr., (1838); on *P. halepensis* & *P. pinaster*: Tanger (Perdicaris) & Meseta littorale.

\**Paxillus panuoides* var. *typicus* (?). Sns: Tanger.

**Family: Rhizopogonaceae**

\**Rhizopogon roseolus* (Corda) Th. Fr., (1909). Sns: Tanger.

\**Rhizopogon rubescens* (Tul. & C. Tul.) Tul. & C. Tul., (1845), (= *Rhizopogon roseolus* (Corda) Th. Fr., 1909), sensu auct. brit. p. p., (= *Rhizopogon ochraceorubens* A.H. Sm., 1966). Sns, Lalla Mimouna & Tanger; under *Acacia mollissima*, *Q. suber*, *P. canariensis* & *P. pinea*: Larache.

\**Rhizopogon luteolus* Krombh., (1846), Fr. & Nordholm, (1817), sensu auct. brit. p.p., (= *Rhizopogon ochraceorubens* A.H. Sm., 1966); under *Pinus*: Tanger.

\**Rhizopogon provincialis* Tul. & C. Tul., (1851), (= *Rhizopogon roseolus* (Corda) Th. Fr., 1909); Sns: Larache & Tanger.

\**Rhizopogon provincialis* var. *intermedius*. Sns: Larache.

**Family: Sclerodermataceae**

\**Scleroderma aurantiacum* Pers. ex Sacc., (1888), sensu Carleton Rea (1922), Ramsbottom (1953), Linné (Sp. Pl. non, 1753.), (= *Scleroderma citrinum* Pers., 1801).

\**Scleroderma aurantium* var. *spadiceum* (Schaeff.) Šebek (1953), (= *Lycoperdon spadiceum* Schaeff., 1774). Sns: Larache.

\**Scleroderma bovista* Fr., (1829). Sns: Lalla Mimouna, Larache & Tanger (Tanger & jbel-Kbir).

\**Scleroderma cepa* Pers., (1801). Sns: Tanger.

\**Scleroderma geaster* Fr., (1829), (= *Sclérodermia polyrhizum* (JF Gmel.) Pers., 1801). Sns: Lalla Mimouna (Lalla Mimouna & forest of Ferjana), Larache (Larache & Khemis-of-Sahel) & Tanger (Tanger & jbel-Kbir).

\**Scleroderma meridionale* Demoulin & Malençon, (1971). Sns: Lalla Mimouna's forest & Ferjana.

\**Scleroderma* sp. Sns: Tanger (Cherf-el Akab).

\**Scleroderma verrucosum* (Bull.) Pers., (1801); under *Q. suber*: Lalla Mimouna (Lalla Mimouna & forest of Ferjana), Larache (Larache & Khemis-of-Sahel) & Tanger.

\**Scleroderma vulgare* Hornem., (1829), (= *Scleroderma citrinum* Pers., 1801), Hornemann sensu, (= *Scléroderma albidum* Pat. & Trab., 1899). Sns: Tanger (Cherf-el-Akab).

\**Sclerangium polyrhizum* (JF Gmel.) Lév., (1848), (= *Scléroderma polyrhizum* (JF Gmel.) Pers., 1801); sandy pastures: Larache & forest of Mamora.

\**Sclerangium polyrrhizon* (JF Gmel.) Lév., (1848); in sandy places, clearings, slope, in December, all years: Lns.

#### Family: Sclerogastraceae

\**Sclerogaster lanatus* R. Hesse, (1891), Mattir., (1900), (= *Sclerogaster Sicile* Zeller & CW Dodge, 1935). Sns: Larache.

#### Family: Serpulaceae

\**Gyrophana himantioides* (Fr.) Bourdot & Galzin, (1923), (= *Serpula himantioides* (Fr.) P. Karst., 1885); on debris of *Pinus insignis*: Tanger & on *Q. faginea*: Tanger (Perdicaris).

#### Family: Suillaceae

\**Suillus bellinii* (Inzenga) Watling, (1968); under the pines double needle, *Pinus halpensis*, *P. pinaster* & *P. pinea*: Tanger (Cherf-El-Akab, Jbel Kbir & Perdicaris) & Larache (El Araïche) & Sns: Tanger (Cherf el Akab, Donabo, Jbel Kbir & Perdicaris).

\**Suillus bovinus* (Pers.) Roussel, (1796); under *Pinus canariensis* & *P. halpensis*: Lalla-Mimouna (forest of ferjana) & Sns: Lalla-Mimouna (forest of ferjana & Lalla Mimouna).

\**Suillus fluryi* Huijsman, (1969), (= *Suillus collinitus* (Fr.) Kuntze, 1898); on *Pinus halpensis* & *P. pinea*: Tanger (Cherf-El-Akab et Jbel Kbir) & Sns: Tanger (Cherf el Akab).

\**Suillus granulatus* (L.) Roussel (1796); under various pines: Tanger (Cherf-El-Akab, Jbel Kbir) & Larache (El-Araïch) & Sns: Tanger (Cherf el Akab).

\**Suillus granulatus* var. *mediterraneensis* Blum & Jacquetant, (1965). Sns: Tanger (Cherf-El-Akab & Malabata) & Larache (El-Araïche).

\**Suillus piperatus* (Bull.) Kuntze, (1898), (= *Chalciporus piperatus* (Bull.) Bataille, 1908); under the pines (*Pinus halpensis*, *P. pinaster*): Tanger (Jbel Kbir).

Order: Cantharellales

#### Family: Aphelariaceae

\**Aphelaria tuberosa* (Grev.) Corner, (1950), (= *Tremellodendropsis tuberosa* (Grev.) D.A. Crawford, 1954). Sns: Tanger.

#### Family: Cantharellaceae

\**Cantharellus cibarius* Fr., (1821); in the oak, under the *Quercus*: Lalla Mimouna, Larache (Khemiss-of-Sahel & Larache) & Tanger, under *Pinus insignis*: Tanger (Perdicaris) & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache (Khemiss-of-Sahel & Larache) & Tanger (Akbaa hamra, Cuesta Colorada, Dar Chaoui, Jbel Kbir, Perdicaris & Tanger).

\**Cantharellus cornucopioides* (L.) Fr., (1821), (= *Craterellus cornucopioides* (L.) Pers., 1825); in the forest: Lalla Mimouna, Larache & Tanger, under *Pinus insignis*: Tanger (Perdicaris) & Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Akbaa hamra, Cuesta Colorada, Jbel Kbir, Perdicaris & Tanger).

\**Cantharellus lutescens* Fr., (1821), (= *Craterellus lutescens* (Fr.) Fr., 1838); under *Pinus insignis* & *P. pinea*: Tanger (Jbel Kbir & Perdicaris) & Sns: Tanger (Donabo & Jbel Kbir).

\**Cantharellus lutescens* var *bisporus* Bertault, (1975); under *Pinus pinea*: Tanger (Jbel Kbir).

\**Cantharellus sinuosus* Saut., (1841), Fr., (1821), (= *Pseudocraterellus undulatus* (Pers.) Rauschert, 1987); under *Eucalyptus* & *Quercus*: Tanger (Jbel Kbir) & Larache (Khemiss-of-Sahel) & Sns: Larache & Tanger.

\**Cantharellus tubaeformis* Fr., (1821), (= *Craterellus tubaeformis* (Fr.) Quél., 1888); under *Eucalyptus* & *Q. suber*: Tanger (Akbaa-Hamra, Jbel Kbir & Perdicaris) & Sns: Tanger (Jbel Kbir, Perdicaris & Tanger).

\**Craterellus cornucopioides* (L.) Pers., (1825). Sns: Lalla Mimouna (Ferjana & Lalla Mimouna) & Tanger (Akba Hamra, Jbel Kbir, Perdicaris & Tanger).

#### Family: Hydnaceae

\**Hydnum repandum* L., (1753). Sns: Tanger (Jbel Kbir & Tanger).

\**Hydnum rufescens* (Pers.) Poir., (1808), (= *Abortiporus biennis* (Bull.) Singer, 1944), Pers., (1800), Schaeff., (1774), sensu auct., (= *Hydnum repandum* L., 1753). Sns: Tanger (Jbel Kbir & Tanger).

\**Sistotrema muscicola* (Pers.) S. Lundell, (1947); in the humus under *Pinus pinea*: Tanger.

\**Sistotrema sublamellosum* (Bull.) Quél., (1896), (= *Sistotrema confluens* Pers., 1794). Sns: Tanger.

#### Family: Clavulinaceae

\**Clavulina cinerea* (Bull.) J. Schröt., (1888); under *Q. suber*: Lalla Mimouna & Sns: Lalla Mimouna (Ferjana), Larache & Tanger (Cuesta Colorada & Jbel Kbir).

\**Clavulina cinerea* f. *sublilascens* (Bourdot & Galzin) Bon & Courtec., (1987). Sns: Lalla Mimouna & Tanger.

\**Clavulina crista* (Holmsk.) J. Schröt., (1888). Sns: Tanger (Jbel Kbir).

\**Clavulina cristata* (Holmsk.) J. Schröt., (1888), (= *Clavulina coralloides* (L.) J. Schröt., 1888); under *Q. suber*: Lalla Mimouna & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna).

\**Clavulina gallica* Corner, (1950). Sns: Tanger.

\**Clavulina leveillei* var. *atricha* Corner, (1950). Sns: Tanger.

\**Clavulina rugosa* (Bull.) J. Schröt., (1888). Sns: Larache & Tanger (Jbel Kbir & Tanger).

#### Family: Tulasnellaceae

\**Tulasnella violea* (Quél.) Bourdot & Galzin, (1909); on rotting écores: Tanger.

Order: Corticiales

#### Family: Corticiaceae

\**Aleurodiscus macrosporus* (Bres.) Bres., (1913), (= *Vuilleminia macrospora* (Bres.) Hjortstam, 1987); on *Erica arborea*: Larache (Khemiss-of-Sahel) & Tanger, on twigs: Larache & under *Q. suber*: Larache (Khemiss-of-Sahel & Larache).

\**Corticium amianthinum* Bourdot & Galzin, (1911), (= *Trechispora amianthina* (Bourdot & Galzin) Liberta, 1966); on *Acacia*: Tanger.

\**Corticium arachnoideum* Berk., (1844), (= *Athelia arachnoidea* (Berk.) Jülich, 1972); on *Eucalyptus* & *Pinus*: Tanger.

\**Corticium araneosum* (Höhn. & Litsch.) Bourdot & Galzin, (1928), (= *Trechispora araneosa* (Höhn. & Litsch.) K.H. Larss., 1995); on *Q. faginea*: Tanger.

- \**Corticium atrovirens* (Fr.) Fr., (1838), (= *Byssocorticium atrovirens* (Fr.) Bondartsev & Singer, 1944); on land, on leaves & twigs: Tanger.
- \**Corticium byssinum* (P. Karst.) Sacc., (1890), (= *Piloderma byssinum* (P. Karst.) Jülich, 1969). Sns: Tanger.
- \**Corticium coeruleum* (Lam.) Fr., (1838), (= *Terana coerulea* (Lam.) Kuntze, 1891); on *Kaurus nobili*: Tanger (Perdicaris) & sur *Olea*: Tanger.
- \**Corticium confluens* (Fr.) Fr., (1838), (= *Radulomyces confluens* (Fr.) M.P. Christ., 1960); on *Acacia cyanophylla*: Tanger.
- \**Corticium coronatum* (J. Schröt.) Sacc., (1888), (= *Botrybasidium pruinaum* (Bres.) J. Erikss., 1958); on *Eucalyptus*: Tanger.
- \**Corticium fastidiosum* (Pers.) P. Karst., (1882), (= *Trechispora fastidiosa* (Pers.) Liberta, 1966); on *Q. suber*'s leaves & humus: Larache & Tanger.
- \**Corticium flavescens* (Bonord.) G. Winter, (1885), (= *Botrybasidium flavescens* (Bonord.) D.P. Rogers, 1935), sensu auct., (= *Thanatephorus fusisporus* (J. Schröt.) Hauerslev & P. Roberts, 1996), Bres. 1905, (= *Athelia teutoburgensis* (Brinkmann) Jülich, 1973); on *Eucalyptus globules*: Tanger.
- \**Corticium lacteum* (Fr.) Fr., (1838), Rabenh., Fuckel 1867, sensu auct., (= *Phanerochaete tuberculata* (P. Karst.) Parmasto, 1968); on *Rubus ulmifolius*: Tanger.
- \**Corticium lilascens* Bourdot, (1910), (= *Phlebia lilascens* (Bourdot) J. Erikss. & Hjortstam, 1910); on *Q. faginea*: Tanger.
- \**Corticium ochroleucum* Bres., (1898), (= *Scytinostroma ochroleucum* Donk, 1956), (Fr.) Fr., (1838), (F. Noack) Burt, (1915), (= *Ceratobasidium ochroleucum* (F. Noack) Ginns & M.N.L. Lefebvre, 1993); on *Acacia* sp.: Tanger.
- \**Corticium octosporum* J. Schröt. ex Höhn. & Litsch., (1906), (= *Sistotrema octosporum* (J. Schröt. ex Höhn. & Litsch.) Hallenb., 1984); on *Eucalyptus* & *Pinus*: Tanger.
- \**Corticium olivaceoalbum* Bourdot & Galzin, (1911), (= *Scytinostromella olivaceoalba* (Bourdot & Galzin) Ginns & M.N.L. Lefebvre, 1993); on *Acacia*: Tanger.
- \**Corticium roseocremeum* Bres., (1905), (= *Hyphoderma roseocremeum* (Bres.) Donk, 1957); on *Q. lusitanica*: Tanger.
- \**Corticium roseum* Pers., (1794); on *Q. suber*: Tanger.
- \**Corticium subcoronatum* Höhn. & Litsch., (1907), (= *Botrybasidium subcoronatum* (Höhn. & Litsch.) Donk, 1931); on *Eucalyptus*' rhytidome: Tanger.
- \**Corticium sulphureum* Pers., (1796), (= *Xenasmatella vaga* (Fr.) Stalpers, 1996); on *Eucalyptus*' phyllode: Tanger.
- \**Corticium sulphurinum* (P. Karst.) Bourdot & Galzin, (1911), (= *Ceraceomyces sulphurinus* (P. Karst.) J. Erikss. & Ryvarde, 1978); on *Eucalyptus globulis* & *Pinus pinea*: Tanger.
- \**Corticium vellereum* Ellis & Cragin, (1885), (= *Granulobasidium vellereum* (Ellis & Cragin) Jülich, 1979); on *Chamaerops humilis*: Tanger.
- \**Cytidia flocculenta* (Fr.) Höhn. & Litsch., (1907), (= *Schizophyllum amplum* (Lév.) Nakasone, 1996); on *Populus nigra*'s twigs: Tanger.
- \**Punctularia tuberculosa* (Pat.) Pat. & Lagerh., (1895), (= *Punctularia atropurpurascens* (Berk. & Broome) Petch, 1916); on *Q. suber*, *Olea*, dead branches of apricot: Tanger.
- \**Vuilleminia comedens* (Nees) Maire, (1902); on *Q. suber*: Larache & Tanger.

Order: Geastrales

### Family: Geastraceae

- \**Myriostoma coliforme* (Dicks.) Corda, (1842). Sns: Tanger (Tanger, Cherf-el-Akab).
- \**Sphaerobolus stellatus* Tode, (1790); on *Q. suber*: Lalla Mimouna (forest of Ferjana) & Larache; Sns: Tanger.
- Order: Gomphales

### Family: Clavariadelphaceae

- \**Clavariadelphus pistillaris* (L.) Donk, (1933); under *Q. suber*: Lalla Mimouna & Larache (Khemiss-of-Sahel & Larache) & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna) & Tanger (Cuesta Colorada, Perdicaris & Tanger).

### Family: Gomphaceae

- \**Ramaria aurea* (Schaeff.) Quél., (1888); under *Eucalyptus*: Tanger.
- \**Ramaria bourdotiana* Maire, (1937); on *Olea*: Tanger.
- \**Ramaria flaccida* (Fr.) Bourdot, (1918); among the debris of *Quercus* sp.: Tanger.
- \**Ramaria formosa* (Pers.) Quél., (1888). Sns: Tanger (Jbel Kbir & Tanger).
- \**Ramaria stricta* (Pers.) Quél., (1888). Sns: Tanger (Jbel Kbir & Perdicaris).

Order: Hymenochaetales

**Family: Hymenochaetaceae**

- \**Coltricia perennis* (L.) Murrill, (1903). Sns: Lalla Mimouna (Ferjana).  
 \**Hymenochaete rubiginosa* (Dicks.) Lév., (1846); on *Q. faginea*: Tanger (Perdicaris & Tanger).  
 \**Hymenochaete subfuliginosa* Bourdot & Galzin, (1921), (= *Hymenochaete fuliginosa* (Pers.) Lév., 1846); on *Halimium halimifolium*: Larache.  
 \**Phellinus contiguus* (Pers.) Pat., (1928), (= *Fuscoporia contigua* (Pers.) G. Cunn., 1948). Sns: Tanger.  
 \**Phellinus friesianus* (Bres.) Bourdot & Galzin, (1928), (= *Fomitiporia punctata* (Pilát) Murrill, 1947); on *Acacia cyanophylla*, *A. dealbata*, *A. mollissima*, *Laurus nobilis*, *Plea europea* & *Salix pedicellata*: Tanger, on dead *A. cyanophylla*: Tanger (Diplomatic forest) & on *Eucalyptus* sp.: Larache.  
 \**Phellinus robustus* (Karst.) Bourdot. & Galzin, (1928), (= *Fomitiporia robusta* (P. Karst.) Fiasson & Niemelä, 1984); on *Thymelaea lythroides* Barratte & Meurb.: Larache.  
 \**Phellinus torulosus* (Pers.) Bourdot & Galzin, (1925), (= *Fuscoporia torulosa* (Pers.) T. Wagner & M. Fisch., 2001); on *Q. suber* L., *Q. coccifera* L. & *Chamaerops humilis* L.: Tanger, on *Arbustus unedo* and on various roots: Tanger (Pardicaris & Tanger), on *Q. suber*: Lalla Mimouna (Ferjana) & Larache & Sns: Lalla Mimouna & Tanger.  
 \**Phellinus torulosus* f. *subflocosus* Bourdot & Galzin, (1925); on *Pinus insignis*: Tanger.  
 \**Xanthochrous cuticularis* (Bull.) Pat., (1900), (= *Inonotus cuticularis* (Bull.) P. Karst., 1879); on *Q. suber*: Larache.  
 \**Xanthochrous perennis* (L.) Pat., (1900), (= *Coltricia perennis* (L.) Murrill, 1903); on coal places: Larache & Sns: Tanger.  
 \**Xanthochrous rheades* (Pers.) Pat., (1897), (= *Inonotus rheades* (Pers.) Bondartsev & Singer, 1941); on *Acacia mollissima*: Tanger.  
 \**Xanthochrous ribis* (Schumach.) Pat., (1900), (= *Phylloporia ribis* (Schumach.) Ryvardeen, 1978); on *Q. suber*: Tanger.  
 \**Xanthochrous tinctorius* (Quél.) Pat., (1909); on *Pistacia atlantica*: Gharb.

**Family: Schizoporaceae**

- \**Hyphodontia quercina* (Pers.) J. Erikss., (1958); on *Q. suber*: Larache (Khemiss-of-Sahel).  
 \**Odontia arguta* (Fr.) Quél., (1888), (= *Hyphodontia arguta* (Fr.) J. Erikss., 1958); on indeterminate dead branches: Tanger.  
 \**Odontia bugellensis* Ces., (1855), (= *Xylodon bugellensis* (Ces.) Hjortstam & Ryvardeen, 2007); on *Juniperus phoenicea*: Tanger.  
 \**Odontia corrugata* (Fr.) Bres., (1897), (= *Hyphodermella corrugata* (Fr.) J. Erikss. & Ryvardeen, 1976); on *Q. faginea*: Tanger.  
 \**Odontia papillosa* (Fr.) P. Karst., (1882), (= *Hyphodontia papillosa* (Fr.) J. Erikss., 1958); on *Q. suber*: Tanger & on *Q. faginea*: Tanger (Perdicaris).  
 \**Odontia pruinosa* Bres., (1920), (= *Lagarobasidium detriticum* (Bourdot & Galzin) Jülich, 1979); on *Eucalyptus globules*: Tanger.  
 \**Odontia sudans* (Alb. & Schwein.) Bres., (1897), (= *Dacryobolus sudans* (Alb. & Schwein.) Fr., 1849); on *Eucalyptus*: Tanger.  
 \**Odontia stipata* (Fr.) Quél., (1888), (= *Hyphodontia stipata* (Fr.) Gilb., 1971), sensu B&G (1928), non Fr., (= *Fibrodontia gossypina* Parmasto, 1968); on *Quercus* sp.: Tanger.  
 Order: Hysterangiales

**Family: Hysterangiaceae**

- \**Hysterangium cistophilum* (Tul.) Zeller & CW Dodge, (1929). Sns: Tanger.  
 Order : Microbotryales

**Family : Microbotryaceae**

- \**Sphacelotheca ischaemi* (Fuck.) G. P. Clinton, (1902); on *Andropogon hirtus* L.; Tanger.  
 Order: Phallales

**Family: Phallaceae**

- \**Clathrus gracilis* (Berk.) Schldtl., (1861), (= *Ileodictyon gracile* Berk., 1845). Sns: Larache.  
 \**Clathrus ruber* P. Micheli ex Pers., (1801). Sns: Larache (Larache & Khemi-Sahel) & Tanger (Perdicaris).  
 \**Dictyophora duplicata* var. *obliterata* Malençon, (1957). Sns: Tanger.  
 \**Mutinus caninus* (Huds.) Fr., (1849). Sns: Tanger.  
 \**Phallus imperialis* Schulzer, (1873), (= *Phallus Hadriani* Vent., 1798); Tanger.

\**Phallus impudicus* L., (1753); under *Q. suber*: Lalla Mimouna (Lalla Mimouna & forest of Ferjana) & Sns: Larache & Tanger (Tanger & Cherf-el-Akab).

\**Phallus subuculatus* Mont., (1842). Sns: Tanger.

Order: Polyporales

Family: Fomitopsidaceae

\**Daedalea quercina* (L.) Pers., (1801). Sns: Tanger (Perdicaris).

\**Gloeocystidium argillaceum* (Bres.) Höhn. & Litsch., (1907), (= *Hyphoderma argillaceum* (Bres.) Donk, 1957); on *Olea*: Tanger.

\**Gloeocystidium coroniferum* Höhn. & Litsch., (1907), (= *Sistotrema coroniferum* (Höhn. & Litsch.) Donk, 1956); on *Eucalyptus globules*' phyllodes: Tanger.

\**Gloeocystidium luridum* (Bres.) Höhn. & Litsch., (1907), (= *Gloeocystidiellum luridum* (Bres.) Boidin, 1951); on *Quercus* sp.: Tanger.

\**Gloeocystidium ochroleucum* Bres. & Torrend, (1913), (= *Scytinostroma ochroleucum* Donk, 1956), Bres. ex Bourd. & Galzin, (1912); on *Pinus*: Tanger.

\**Phaeolus schweinitzii* (Fr.) Pat., (1900); on *Q. suber*: Larache, on *Pinus insignis*: Tanger (Perdicaris & Tanger) & Sns: Tanger.

\**Phaeolus rutilans* (Pers.) Pat., (1900), (= *Hapalopilus rutilans* (Pers.) P. Karst., 1881); on *Q. suber*: Tanger.

#### Family: Ganodermataceae

\**Ganoderma applanatum* (Pers.) Pat., (1887); on *Accacia mollissima*: Tanger (Cherf el Akab), on *Acacia* sp.: Tanger & Sns: Tanger (Perdicaris).

\**Ganoderma lucidum* (Curtis) P. Karst., (1881), sensu auct. asiatic., (= *Ganoderma orbiforme* (Fr.) Ryvardeen, 2000); on *Quercus* sp.: Tanger & Sns: Tanger (Perdicaris).

\**Ganoderma resinaceum* Boud., (1890); on *Q. suber*: Larache & Sns: Tanger.

#### Family: Meripilaceae

\**Grifola gigantea* (Pers.) Pilát, (1934), (= *Meripilus giganteus* (Pers.) P. Karst., 1882), sensu Shaw, (= *Bondarzewia berkeleyi* (Fr.) Bondartsev & Singer, 1941); on *Q. suber*: Larache.

#### Family: Meruliaceae

\**Abortiporus biennis* (Bull.) Singer, (1944). Sns: Tanger (Donabo & Perdicaris).

\**Acia uda* (Fr.) P. Karst., (1880), (= *Mycoacia uda* (Fr.) Donk, 1931); on *Eucalyptus*: Tanger.

\**Glæoporus dichrous* (Fr.) Bres., (1913); on *Pinus insignis*: Tanger & on *Q. suber*: Lalla Mimouna & Larache.

\**Heteroporus biennis* (Bull.) Lázaro Ibiza, (1916), (= *Abortiporus biennis* (Bull.) Singer, 1944); on *Q. suber*: Lalla Mimouna & Larache.

\**Hirschioporus pargamenus* (Fr.) Bondartsev & Singer, (1941), (= *Trichaptum bifforme* (Fr.) Ryvardeen, 1972); on *Q. suber*: Larache (Khemiss-of-Sahel).

\**Irpex deformis* Schrad.; Fr., (1828), (= *Schizopora paradoxa* (Schrad.) Donk, 1967); on *Q. suber*: Larache.

\**Irpex pachyodon* (Pers.) Bres., (1888), (= *Sarcodontia pachyodon* (Pers.) Spirin, 2001); on *Acacia cyanophylla*: Tanger & sur *Q. suber*: Larache.

\**Merulius corium* (Pers.) Fr., (1828), (= *Byssomerulius corium* (Pers.) Parmasto, 1967); on *Erica arborea*: Tanger.

\**Merulius lividus* Bourdot & Galzin, (1923), (= *Phlebia rufa* (Pers.) M.P. Christ., 1960); (Pers.) Park.-Rhodes, (1956), (= *Phlebia livida* (Pers.) Bres., 1897); on *Acacia cyanophylla* & *Eucalyptus*: Tanger.

\**Merulius tremellosus* Schrad., (1794); on *Eucalyptus* & *Pinus*: Tanger, on *Q. suber*: Larache, on *Accacia cyanophylla*: Tanger (Cherf el Akab) & Sns: Tanger (Perdicaris).

\**Mycoleptodon dichrous* (Pers.) Bourdot & Galzin, (1914); on *Q. suber*: Tanger.

\**Mycoleptodon fimbriatus* (Pers.) Bourdot & Galzin, (1914), (= *Steccherinum fimbriatum* (Pers.) J. Erikss., 1958); on twigs: Tanger.

\**Mycoleptodon ochraceus* (Pers.) Bourdot & Galzin, (1900), (= *Steccherinum ochraceum* (Pers.) Gray, 1821); on *Q. suber*: Tanger.

\**Phlebia aurantiaca* var. *merismoides* (?); on *Q. faginea*: Tanger.

\**Phlebia radiata* Fr., (1821); on *Q. suber*: Tanger.

#### Family: Phanerochaetaceae

\**Climacodon pulcherrimus* (Berk. & M.A. Curtis) M.I. Nikol., (1961); on *Acacia cyanophylla*: Tanger.



**Family: Polyporaceae**

- \**Coriolus hirsutus* (Wulfen) Pat., (1897), (= *Trametes hirsuta* (Wulfen) Lloyd, 1924); on *Olea*: Tanger.
- \**Coriolus pargamenus* (Fr.) G. Cunn., (1950), (= *Trichaptum bifforme* (Fr.) Ryvarden, 1972); on *Q. suber*: Larache (Khemiss-Sahel & Larache) & Tanger (Dahar Zhiro).
- \**Coriolus versicolor* (L.) Quél., (1886), (= *Trametes versicolor* (L.) Lloyd, 1921); on *Quercus suber* L., *Q. ilex* L., *Q. faginea* Lamk.: Tanger, on *Eucalyptus* sp. & *Q. suber*: Larache, on *Q. suber*: Tanger (Cherf el Akab) & Sns: Tanger.
- \**Coriolus versicolor* var. *cyaneus* (?).
- \**Coriolus versicolor* f. *versicolor* (L.) Quél. (1886); on *Pinus insignis*: Tanger.
- \**Funalia extenuata* (Durieu & Mont.) Domański, (1967); on *Q. suber*: Lalla Mimouna (Ferjana).
- \**Incrustoporia percandida* (Malençon & Bertault) A. David, (1971), (Malençon & Bertault) Donk 1974, (= *Skeletocutis percandida* (Malençon & Bertault) Jean Keller, 1979). Sns: Tanger (Perdicaris).
- \**Lenzites betulina* (L.) Fr., (1838); on *Eucalyptus*: Tanger.
- \**Lenzites betulina* f. *flaccida* (Fr.) Bres., (1912), (= *Lenzites betulina* (L.) Fr., 1838); on *Acacia cyanophylla*: Tanger.
- \**Lenzites flaccida* (Bull.) Fr., (1838), (= *Lenzites betulina* (L.) Fr., 1838); on *Q. suber*: Larache (KHemiss-of-Sahel & Larache).
- \**Lenzites quercina* (L.) P. Karst., (1888), (= *Daedalea quercina* (L.) Pers., 1801); on *Eucalyptus*: Tanger (Perdicaris) & Sns: Tanger.
- \**Leptoporus adustus* (Willd.) Quél., (1886), (= *Bjerkandera adusta* (Willd.) P. Karst., 1879); on buried roots & stem of *Eucalyptus*: Lalla Mimouna, on *Acacia mollissima* & *Quercus suber*: Larache, on *Acacia cyanophylla*: Tanger (Cherf el Akab) & Sns: Tanger.
- \**Leptoporus adustus* f. *resupinatus* Bourdot & Galzin, (1928), (= *Bjerkandera adusta* (Willd.) P. Karst., 1879); on *Acacia* sp.: Tanger.
- \**Leptoporus caesius* (Schrad.) Quél., (1886), (= *Postia caesia* (Schrad.) P. Karst., 1881); on *Q. faginea*: Tanger.
- \**Leptoporus chioneus* (Fr.) Quél., (1886), (= *Tyromyces chioneus* (Fr.) P. Karst., 1881); on *Q. lusitanica*: Tanger.
- \**Leptoporus destructor* var. *resupinatus* Bourdot & Galzin, (1928), (= *Antrodia gossypium* (Speg.) Ryvarden, 1973); on *Pinus insignis*: Tanger.
- \**Leptoporus trabeus* (Pers.) Bourdot & Galzin, (1925), (Rostk.) Quél., (1886), (= *Gloeophyllum trabeum* (Pers.) Murrill, 1908); on *Pinus insignis*: Tanger.
- \**Leucoporus arcularius* var. *strigosus* Bourdot & Galzin, (1925); on *Q. suber*: Tanger.
- \**Leucoporus brumalis* (Pers.) Speg., (1926), (Pers.) Sacc. ex Trotter, (1972), (= *Polyporus brumalis* (Pers.) Fr., 1818); on stem and twigs of *Erica*, *Olea*, *Cistus* & *Quercus*: Tanger.
- \**Panus conchatus* (Bull.) Fr., (1838); on *Quercus* sp.: Tanger (Cherf-El-Akab & Tanger).
- \**Panus rudis* Fr., (1838), (= *Lentinus strigosus* Fr., 1825); on *Q. Ilex*'s downed trunks, *Q. pyrenaica* & *Q. suber*: Tanger (Cherf-El-Akab) & on *Q. Suber*: Tanger.
- \**Polyporus sulphureus* (Bull.) Fr., (1821), (= *Laetiporus sulphureus* (Bull.) Murrill, 1920); on *Eucalyptus*: Tanger.
- \**Poria eupora* (P. Karst.) Cooke, (1886), (= *Junghuhnia nitida* (Pers.) Ryvarden, 1972), sensu Cunningham, (= *Junghuhnia meridionalis* (Rajchenb.) Rajchenb., 2003). Sns: Tanger.
- \**Poria mucida* Pers., (1796), (= *Ceriporiopsis mucida* (Pers.) Gilb. & Ryvarden, 1985), sensu Bourdot & Galzin, Carleton Rea, (= *Schizopora paradoxa* (Schrad.) Donk, 1967). Sns: Tanger.
- \**Poria mucida* f. *irpex deformis* (?); on *Pinus* & *Quercus*: Tanger.
- \**Poria mucida* f. *irpex paradoxus* (?); on land, at *Acacia dépérissant*'s foot: Tanger.
- \**Poria mucida* var. *radula* Bourdot & Galzin, (1925). Sns: Tanger.
- \**Poria taxicola* (Pers.) Bres., (1897), (= *Gloeoporus taxicola* (Pers.) Gilb. & Ryvarden, 1985); on *Pinus insignis*: Tanger.
- \**Poria vaporaria* Pers., (1794), (= *Fibroporia vaillantii* (DC.) Parmasto, 1968), sensu Colenso, (= *Hyphodontia radula* (Pers.) Langer & Vesterh., 1996), sensu auct., (= *Antrodia sinuosa* (Fr.) P. Karst., 1881), sensu Berkeley, (= *Schizopora paradoxa* (Schrad.) Donk, 1967); on *Pinus pinea*: Tanger.
- \**Poria vulgaris* Gray, (1821), (Fr.) Cooke, (1886), (= *Sidera vulgaris* (Fr.) Miettinen, 2011); on *Acacia* sp. & *Pinus*: Tanger.
- \**Trametes campestris* Quél., (1872), (= *Dichomitus campestris* (Quél.) Domański & Orlicz, 1966); on *Q. faginea*: Tanger & Sns: Larache.
- \**Trametes cinnabarina* (Jacq.) Fr., (1874), (= *Pycnoporus cinnabarinus* (Jacq.) P. Karst., 1881), sensu Wakefield, (= *Pycnoporus coccineus* (Fr.) Bondartsev & Singer, 1941); on *Q. suber*: Lns: Tanger.
- \**Trametes extenuata* (?). on *Q. suber*: Lalla Mimouna, Larache & Tanger.
- \**Trametes pulchra* (Speg.) Speg., (1898); on *Eucalyptus globules*: Tanger (Perdicaris).

\**Trametes quercina* Lloyd, (1922), (L.) Pilát, (1939), (= *Daedalea quercina* (L.) Pers., 1801); on *Eucalyptus globulus*: Tanger (Donabo & Tanger).

\**Trametes trabea* (Pers.) Bres., (1897), G.H. Otth, (1871), (= *Gloeophyllum trabeum* (Pers.) Murrill, 1908); on *Q. suber*: Tanger.

\**Ungulina fomentaria* (L.) Pat., (1900), (= *Fomes fomentarius* (L.) Fr., 1849); on *Q. faginea*: Tanger & Sns: Larache.

\**Ungulina ochroleuca* (Berk.) Pat., (1900), (= *Perenniporia ochroleuca* (Berk.) Ryvardeen, 1972); on *Erica arborea* & *Q. lusitanica*: Tanger & Sns: Tanger.

\**Ungulina ulmaria* (Sowerby) Pat., (1900), (= *Rigidoporus ulmarius* (Sowerby) Imazeki, 1952); on *Q. suber*: Larache.

Order: Pucciniales

### Family: Phragmidiaceae

\**Kuehneola fici* E. J. Butler, (1914), (= *Cerotelium fici* (Castagne) Arthur, 1917); on *Ficus carica* L.: common throughout the Mediterranean and Atlantic coast to Sous; missing in the Saharan oases.

\**Phragmidium disciflorum* (Tode) J. James, (1895), (= *Phragmidium mucronatum* (Pers.) Schltdl., 1824), sensu Grove [Brit. Rust Fung. p. 293 (1913)], (= *Phragmidium rosae-pimpinellifoliae* Dietel, 1905); on *Rosa* (*hybr. Cultae*) *R. damascena* Mill., *R. canina* L., *R. agrestis* Savi. *R. micrantha* Sm. Sow.: Morocco without indication of localities: Tanger.

\**Phragmidium rosae-sempervirentis* Maire, (1916); on *Rosa sempervirens* L.: Tanger.

\**Phragmidium rubi* (Pers.) G. Winter, (1884), (= *Phragmidium bulbosum* (Fr.) Schltdl., 1824), sensu sensu Barclay (1890), (= *Phragmidium barclayi* Dietel, 1890); on *Rubus ulmifolius* Schott.: Tanger.

\**Phragmidium sanguisorbae* (DC.) J. Schrôt., (1887); on *Sanguisorba magnolii* Spach. *S. maruccana* Coss., *S. minor* Scop. var. *atlantica* Lit. Et Maire. *S. muricata* Spach., *S. mauritanica* Desf.: Tanger.

\**Phragmidium violaceum* (Schultz) G. Winter, (1880); on *Rubus ulmifolius* Schott.: Tanger.

### Family: Pucciniaceae

\**Aecidium asperifolii* Schumach., (1803), Pers., (1796), (= *Puccinia recondita* Dietel & Holw., 1857); on *Echium plantagineum*, *Cynoglossum criticum* Mill., *Solenanthus* sp., *Anchusa azurea* Mill., *A. undulate* L. var. *pseudogranatensis* Br. Bl. & Maire: Dodar between Tanger & Tétouan.

\**Aecidium valerianellae* Biv., (1816), (= *Puccinia gladioli* Castagne, 1843); on *Valerianella discoidea* (L.): Lois., *Fedia cornucopiae* (L.) Gaertn.: Tanger.

\**Puccinia absinthii* DC., (1808), (= *Puccinia chrysanthemi* Roze, 1900); on *Artemisia* sp.: Larache.

\**Puccinia allii* Castagne, (DC.) F. Rudolphi, (1829), (= *Puccinia porri* (Sowerby) G. Winter, 1881); on *Allium paniculatum* L. (var. *pallens* Batt. & var. *typicum* Rgel), *A. album* Santi, *A. Ampeloprasmus* L., *A. sphaerocephalum* L.: Tanger.

\**Puccinia asperulae-cynanchicae* Wurth, (1904); on *Asperula cynanchica*: Tanger.

\**Puccinia asphodeli* Bagnis, (1877), Moug., (1830); on *Asphodelus microcarpus* Viv., *A. nervosus* Pomel, *A. cerasiferus* J. Gay. *A. aestivus* Brot. var. *gracilis* (Br. Bl. & Maire) Maire: Tanger & Larache.

\**Puccinia atractylidis* P. Syd. & Syd., (1904); on *Atractylis gummifera* L.: Tanger.

\**Puccinia biformis* Lagerh., (1890); on *Rumex bucephalophorus* L.: Tanger.

\**Puccinia bupleuri* Corda, (1840), (Opiz) F. Rudolphi, (1829); sur *Bupleurum protractum* Link. & Hoffm., *B. atlanticum* Murb., *B. canescens* Schousb., *B. montanum* Coss.: Tanger.

\**Puccinia buxi* DC., (1815), Sowerby, (1809); on *Buxus sempervirens* cult: Tanger (Perdicaris & Tanger).

\**Puccinia calcitrapae* DC., (1805); on *Centaurea calcitrapa* L.: Tanger.

\**Puccinia canariensis* P. Syd. & Syd., (1902); on *Leontodon* (*Thrincia*) *maroccanus* (Pers.) Ball., *L. saxatilis* Lamk. (= *Thrincia hispida* Roth.): Tanger.

\**Puccinia carduorum* Jacky., (1899), (= *Puccinia calcitrapae* DC., 1805); on *Carduus ballii* Hook. fil., *C. myriacanthus* Salzm., *C. macrocephalus* Desf., *C. Chevallieri* Barratte, *C. Spachianus* D. R.: Tanger.

\**Puccinia carthami* Corda, (1840); on *Carthamus tinctorius*: Tanger.

\**Puccinia chrysanthemi* Roze, (1900); on *Chrysanthemums*' cultivated: Tanger.

\**Puccinia coronata* Peturson, (1934) Corda, (1837); on *Avena alba*: Tanger.

\**Puccinia crepidicola* Syd. & P. Syd., (1901); on *Crepis taraxacifolia* Thuill.: Tanger & Larache.

\**Puccinia frankeniae* Link., (1816); on *Frankenia pulverulenta* L., *F. corymbosa* Desf.: entire coastline up to Anti-Atlas.

- \**Puccinia galactitis* P. Syd. & Syd., (1902); on *Galactites tomentosa* Moench.: Tanger.
- \**Puccinia gladioli* Castagne, (1842); on *Gladiolus bysantinus* Miller, *G. segetum* Ker-Gawl., *Iris tingitana* Boiss. & Reut.: Tanger & Larache.
- \**Puccinia glumarum* J.C. Schmidt, (1817), Erikss. & Henning, (1894), (= *Puccinia striiformis* var. *striiformis* Westend., 1854); on barley's cultivated: Tanger.
- \**Puccinia glumarum* f. *aegilopis* Gonz. Frag., (1915); on *Aegilops ovata* L., *A. triuncialis* L.: Souk-el-Arbaa & Larache.
- \**Puccinia glumarum* f. *gaudiniae* Gonz. Frag., (1915); on *Gaudinia fragilis* (L.) P. Beauv.: Tzelatza near Larache.
- \**Puccinia graminis* f. *tritici* Erikss. & Henning; on wheat: Tanger.
- \**Puccinia helianthi* Schwein., (1822), H.S. Jacks., (1918), (= *Puccinia helianthi-mollis* H.S. Jacks., 1918); on *Helianthus annuus*: Tanger.
- \**Puccinia hypochoeridis* McAlpine, (1895), Oudem., (1873), (= *Puccinia hieracii* var. *hypochaeridis* (Oudem.) Jørst., 1936); on *Hypochoeris radicata* L., *H. glabra* L.: Tanger (Cherf-el-Aqab), between Tanger and Asilah.
- \**Puccinia isiacae* (Thüm.) G. Winter, (1887); on *Phragmites communis* Trin.: Larache.
- \**Puccinia madritensis* Maire, (1919); I. on *Climatis cirrhosa* L.; II. III. on *Bromus maritensis* L., *B. macrostachys* Sesf., *B. villosus* Forsk., *B. alopecuros* Poiret., *B. hordeaceus* L. (= *B. mollis* L.), *B. sterilis* L., *B. tectorum* L.: Tanger [sub *P. bromina* Erikss].
- \**Puccinia magidaridis* Pat., & Trab., (1897); on *Magidaris tomentosa* Koch.: Tanger.
- \**Puccinia malvacearum* Bertero ex Mont., (1852); on *Malopr trifida* Cavan., *Malva hispanica* L., *M. nicaeensis* All., *M. parviflora* L., *M. rotundifolia* L., *M. silvestris* L., *Lavatera Cretica* L., *L. olbia* L., *L. trimestris* L., *Alcea rosea* Cav., *Althaea hirsuta* L., *A. longijlora* Boiss. & Reut.: Tanger.
- \**Puccinia maydis* Bérenger, (1844); I Sur *Oxalis corniculata* L.; II. III. sur *Zea Mays* L.: Morocco without indication of localities; common in northern Morocco.
- \**Puccinia menthae* Pers., (1801); on *Mentha piperila* (L. p. p.) Huds. cultivated, *M. longifolia* (L.) Huds., *M. rotundifolia* L., *Satureja baborensis* Batt., *S. Calamintha* (L.) Scheele var. *heterotricha* (Boiss. Et Reut.) Briq. & var. *baetica* Boiss. & Reut., *S. atlantica* (Ball.) Maire., *S. vulgaris* (L.) Fritsch. ssp. *villosa* (De Noe) Maire, *S. rotundifolia* (Pers.) Briq.: Tanger.
- \**Puccinia mesnieriana* Thüm., (1877); on *Rhamnus alaterus* L., *R. olcooides* L.: Tanger (Cherf-el-Aqab).
- \**Puccinia obscura* J. Schröt., (1877), sensu Kirk, (= *Puccinia lagenophorae* Cooke, 1884), sensu Cunningham, (= *Puccinia tenuispora* McAlpine, 1906); (III on *Luzula forsteri*): Tanger.
- \**Puccinia Pelargonii-zonalis* Doidge, (1926); sur *Pelargonium* div. Cult: Tanger.
- \**Puccinia porri* (Sowerby) G. Winter, (1881); on *Allium* sp., *A. Ampeloprasum* L., *A. paniculatum* L. var. *pallens* (L.) G. G.: Tanger & Azila.
- \**Puccinia purpurea* Cooke, (1876); on *Sorghum halepense* Pers.: Larache & Tanger.
- \**Puccinia rubigo-vera* (DC.) G. Winter, (1881), (= *Puccinia recondita* Dietel & Holw., 1857), sensu auct. p.p., (= *Puccinia striiformis* var. *striiformis* Westend., 1854); on *Aegilops ovata* L. (cf. *P. glumarum*), *Festuca (Vulpia) dertonensis* (All.) Hasch. & Gr., *F. (V.) geniculata* L. (cf. *P. dispersa*), *Gaudinia fragilis* (L.) P. Beauv. (cf. *P. glumarum*) *Brachypodium distachyum* (L.) R. & Sch., *Triticum* sp. et *Hordeum* sp. (cf. *P. glumarum*). *Lolium multiflorum* Lamk., *L. rigidum* Gaud., *L. perenne* L., *Koeleria villosa* Pers. (cf. *P. Fragosoi*), *Lagurus ovatus* L. (cf. *P. Laguri-chamaemoly*), *Cynodon Dactylon* (L.) Pers., *Hordeum bulbosum* L., *Trisetum pumilum* (Desf.) Kunth.: Tanger.
- \**Puccinia silvatica* J. Schröt., (1879), (= *Puccinia dioicae* var. *silvatica* (J. Schröt.) D.M. Hend., 1961); I. on *Helminthia echioides* Gaertn., II. III. on *Carex divisa* Huds., *C. hispida* Schkuhr.: Tanger.
- \**Puccinia smyrnii* Biv., (1894), Corda, (1840); on *Smyrniolum olusatrum* L.: widespread in the north and west of Morocco.
- \**Puccinia triticina* Erikss., (1899), (= *Puccinia recondita* Dietel & Holw., 1857); on cultivated *Triticum*: Tanger.
- \**Uredo ricini* Biv., (1815), (= *Melampsora euphorbiae* (Ficinus & C. Schub.) Castagne, 1843); on *Ricinus communis* L.: Tanger.
- \**Uromyces anthyllidis* (Grev.) J. Schröt., (1875); on *Anthyllis tetraphylla* L., *A. cytisoides* L., *A. Vulneraria* L. (s. l.), *Benedictella Benoistii* Maire. *Hippocrepis ciliate* Wild., *H. multisiliquosa* L., *Hedysarum membranaceum* Coss., *Lotus arenarius* Brot., *L. assakensis* Coss., *L. edulis* L., *L. commutatus* Guss., *L. maroccanus* Ball., *L. ornithopodioides* L., *Tetragonolobus purpureus* Moench., *Trifolium campestre* Schreb.: Tanger.
- \**Uromyces appendiculatus* (Pers.) Link, (1816), Lév., (1836), F. Strauss, (1833); on *Phaseolus vulgaris*: Tanger.
- \**Uromyces betae* (Pers.) J.G. Kühn, (1867), (= *Uromyces beticola* (Bellynck) Boerema, Loer. & Hamers, 1987); on *Beta vulgaris* L.: Morocco without indication of localities; Tanger.
- \**Uromyces fabae* (Pers.) de Bary., (1879), (= *Uromyces viciae-fabae* var. *viciae-fabae* (Pers.) J. Schröt., 1875); on *Vicia Faba* L., *V. peregrina* L., *V. villosa* Roth. var. *Wilczekii* Maire., *Lathyrus cicera* L.: Tanger.
- \**Uromyces guerkeanus* Henn., (1893); on *Lotus edulis* L., *L. ornithopodioides* L.: Tanger.
- \**Uromyces libycus* Trotter., (1912); on *Lotus arenarius* Brot.: Tanger.

- \**Uromyces limonii* (DC.) Lév., (1849), sensu Plowright (Monog. Brit. Ured. p. 122), (= *Uromyces armeriae* (Schltdl.) Lév., 1847); on *Limonium beaumieranum* Maire., *L. Mouretii* (Pit.) Maire., *L. sinuatum* (L.) Mill., *L. Thouini* (Viv.) O. Kunze: all the Litoral.
- \**Uromyces loti* A. Blytt, (1896), (= *Uromyces pisi-sativi* (Pers.) Liro, 1908); sur *Lotus parviflorus* Desf., *L. ornithopodioides* L.: Larache.
- \**Uromyces marinus* Guyot & Malençon, (1957); on *Medicago marina*: Tanger.
- \**Uromyces ornithopodioides* Gonz. Frag., (1913); on *ornithopus isthmocarpus* Coss.: Larache.
- \**Uromyces renovatus* P. Syd. & Syd., (1909); on *Lupinus* sp., *L. angusti-folius* L., *L. luteus* L., *L. hirsutus* L., *L. pilotus* Murr.: Larache, all of northern Morocco.
- \**Uromyces salsolae* Reichardt, (1877), Rabenh., (1871); on *Salsola kali*: Tanger.
- \**Uromyces scillarum* (Grev.) G. Winter, (1884), sensu Juel [Bull. Soc. mycol. Fr. 17: 259 (1901)] fide Sydow & Sydow (1910), (= *Uromyces muscari* Lév., 1847); sur *Dipcadi serotinum* (L.) Medik., *Scilla lingulata* Poiret., *S. obtusifolia* Poiret., *S. perupiana* L., *S. numidica* Poi., *S. autumnalis* L., *S. hispanica* Mill., *Ornithogalum umbellatum* L., *O. unifolium* (L.) ker-Gawl., *Urginea maritima* (L.) Baker, *U. maura* Maire.: Tanger.
- \**Uromyces tingitanus* Henn., (1904); on *Rumer bipinnatus* L. fil., *R. tinginatus* L.: Tanger.
- \**Uromyces trifolii* Fuckel, (1870), Har., (R. Hedw.) Lév., (1847), sensu auct., (= *Uromyces trifolii-repentis* Liro, 1906); on *Trifolium campestre* Schreb., *T. isthmocarpum* Broth., *T. fragiferum* L.: Tanger.

#### Family: Uropyxidaceae

- \**Tranzschelia pruni-spinosae* (Pers.) Dietel, (1922); on *Prunus persica*: Tanger.

Order: Russulales

#### Family: Auriscalpiaceae

- \**Lentinellus omphalodes* (Fr.) P. Karst., (1879), (= *Lentinellus micheneri* (Berk. & M.A. Curtis) Pegler, 1983), sensu Pearson & Dennis, non Fries, (= *Lentinellus flabelliformis* (Bolton) S. Ito, 1959); on twigs or debris buried of many woody plants: *Acer granatense*, *Cerdus libanotica* sp., *Atlantica*, *Cistus* sp., *Erica arborea*, *Myrtus communis*, *Pinus halpensis*, *P. pinea*, *Q. suber*, *Tetraclinis articulata*: Tanger & Sns: Tanger.

#### Family: Peniophoraceae

- \**Peniophora argillacea* (Bres.) Sacc. & P. Syd., (1902), (= *Hyphoderma argillaceum* (Bres.) Donk, 1957); on *Eucalyptus*: Tanger.
- \**Peniophora byssoidea* (Pers.) Höhn. & Litsch., (1906), (= *Amphinema byssoides* (Pers.) J. Erikss., 1956); on *Pinus* & *Eucalyptus*: Tanger.
- \**Peniophora chordalis* Höhn. & Litsch., (1906), (= *Xenasma pruinosum* (Pat.) Donk, 1957); on *Eucalyptus*: Tanger.
- \**Peniophora cinerea* (Pers.) Cooke, (1879); on *Q. faginea*'s dead twigs Lamk.: Tanger & Sns: Tanger.
- \**Peniophora cremea* (Bres.) Sacc. & P. Syd., (1902), (= *Phanerochaete sordida* (P. Karst.) J. Erikss. & Ryvarden, 1978); on *Acacia*: Tange, on *Q. suber*: Tanger.
- \**Peniophora farinosa* (Bres.) Höhn. & Litsch., (1908), (= *Bulbillomyces farinosus* (Bres.) Jülich, 1974); on *Eucalyptus*' rhytidome: Tanger.
- \**Peniophora glebulosa* (Fr.) Sacc. & P. Syd., (1902), (= *Tubulicrinis glebulosus* (Fr.) Donk, 1956). Sns: Tanger.
- \**Peniophora incarnata* (Pers.) P. Karst., (1889); on *Olea* & *Q. faginea*: Tanger.
- \**Peniophora lycii* (Pers.) Höhn. & Litsch., (1907); on *Accacia* sp., *Erica arborea* & *Q. suber*: Tanger & on *Halimium halimifolium*: Larache.
- \**Peniophora macrospora* Bres., (1913), (= *Phanerochaete martelliana* (Bres.) J. Erikss. & Ryvarden, 1978); on *Eucalyptus* & *Erica arborea*: Tanger.
- \**Peniophora meridionalis* Boidin, (1958); on *Halimium halimifolium*: Larache & on *Q. suber*: Tanger.
- \**Peniophora mollis* (Bres.) Bourdot & Galzin, (1912), (= *Amylocorticiellum molle* (Fr.) Spirin & Zmitr., 2002); on *Pinus*: Tanger.
- \**Peniophora pilatiana* Pouzar & Svrček, (1953); on *Salix pedicellata*: Tanger.
- \**Peniophora pubera* (Fr.) Sacc., (1888); on *Olea*: Tanger.
- \**Peniophora pulverulenta* (Litsch.) H.S. Jacks., (1950), (= *Xenasma pulverulentum* (Litsch.) Donk, 1957); on *Pinus insignis*: Tanger.
- \**Peniophora quercina* (Pers.) Cooke, (1879); on *Q. faginea*'s dead twigs Lamk.: Tanger.
- \**Peniophora roumegueri* (Bres.) Bres., (1926), (= *Phlebiopsis ravenelii* (Cooke) Hjortstam, 1987); on *Q. suber*: Tanger & on *Q. faginea*: Tanger (Perdicaris).
- \**Peniophora rufomarginata* (Pers.) Bourdot & Galzin, (1913); on *Acacia cyanophylla* & *Q. suber*: Tanger.

\**Peniophora setigera* (Fr.) Höhn. & Litsch., (1906), (= *Hyphoderma setigerum* (Fr.) Donk, 1957); on old *Phellinus torulosus*: Tanger.

\**Peniophora subglebulosa* Höhn. & Litsch., (1907); on *Olea*: Tanger.

\**Peniophora tamaricicola* Boidin & Malençon, (1961); on *Tamarix gallica*: Tanger.

\**Peniophora vermifera* Bourdot, (1910), (= *Tubulicium vermiferum* (Bourdot) Oberw. ex Jülich, 1979); on *Q. faginea*: Tanger.

\**Peniophora versicolor* (Bres.) Sacc. & P. Syd., (1902), sensu auct., (= *Peniophora boidinii* D.A. Reid, 1965); on *Q. faginea*: Tanger.

**Family: Russulaceae**

\**Lactarius albellus* Malençon & Bertault, (1971); under *Q. suber*: Lalla Mimouna.

\**Lactarius astraeus* (?). Sns: Lalla Mimouna.

\**Lactarius badiosanguineus* Kühner & Romagn., (1954). Sns: Tanger (Perdicaris).

\**Lactarius chrysorrheus* Fr., (1838); under *Quercus*: Lalla Mimouna, Larache (Khemiss-of-Sahel & Larache) & Tanger & Sns: Lalla Mimouna (Ferjana et Lalla Mimouna), Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Cuesta Colorada, Donabo, Jbel Kbir, Perdicaris & Tanger).

\**Lactarius cimicarius* (Batsch) Gillet, (1874), sensu NCL (1960), Lange, (= *Lactarius subumbonatus* Lindgr., 1845). Sns: Lalla Mimouna & Larache.

\**Lactarius controversus* Pers., (1800). Sns: Tanger (Cherf el Akab, Perdicaris & Tanger).

\**Lactarius decipiens* Quél., (1885), sensu A.A. Pearson p.p., (= *Lactarius fulvissimus* Romagn., 1954). Sns: Tanger (Perdicaris).

\**Lactarius deliciosus* (L.) Gray, (1821). Sns: Larache & Tanger (Cherf el Akab, Jbel Kbir, Perdicaris & Tanger).

\**Lactarius fuliginosus* (Fr.) Fr., (1838), sensu Cooke [Ill. Brit. Fung. 959 (996)], NCL p.p., (= *Lactarius romagnesii* Bon, 1979), sensu auct., (= *Lactarius azonites* (Bull.) Fr., 1838); under the *Quercus*: Larache & Tanger.

\**Lactarius fulvissimus* Romagn., (1954). Sns: Larache & Tanger.

\**Lactarius glutinopallens* F.H. Møller & J.E. Lange, (1940), (= *Lactarius albocarneus* Britzelm., 1895). Sns: Tanger.

\**Lactarius hepaticus* Plowr., (1905). Sns: Tanger (Jbel Kbir, Perdicaris & Tanger).

\**Lactarius hypometricus* (?). Sns: Lalla Mimouna.

\**Lactarius kuehnerianus* Malençon, (1974). Sns: Tanger (Cherf el Akab).

\**Lactarius mitissimus* (Fr.) Fr., (1838), (= *Lactarius aurantiacus* (Pers.) Gray, 1821). Sns: Tanger.

\**Lactarius pergamenus* (Sw.) Fr., (1838), sensu auct., (= *Lactarius piperatus* (L.) Pers., 1797), (= *Lactarius glaucescens* Crossl., 1900). Sns: Tanger.

\**Lactarius piperatus* (L.) Pers., (1797); under *Q. suber* & *Pinus pinea*: Tanger (Akbâa-Hamra & Jbel Kbir) & Sns: Tanger.

\**Lactarius pubescens* Fr., (1838); under *Tetraclinus articulata*: Meseta littorale.

\**Lactarius quietus* (Fr.) Fr., (1838); *Q. faginea*'s forest & *Q. suber*: forest of Ferjana, Larache (El Araïch) & Tanger (Cherf-El-Akab, Dahar-Zhiro & Perdicaris) & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache & Tanger.

\**Lactarius rufus* (Scop.) Fr., (1838). Sns: Tanger (Jbel Kbir).

\**Lactarius rugatus* Kühner & Romagn., (1954); under *Q. suber*: Larache (ElAraïch, Khmiss-of-Sahel) & Tanger (Cherf-El-Akab, Dhar-Zhiro, Perdicaris), under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Lalla Mimouna, Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Diplomatic forest, Jbel Kbir, Perdicaris & Tanger).

\**Lactarius salmonicolor* R.Heim et Leclair, (1950); under *Pinus pinaster* & *P. pinea*: Larache (ElAraïch) & Tanger (Jbel Kbir).

\**Lactarius sanguifluus* (Paulet) Fr., (1838). Sns: Tanger (Perdicaris & Tanger).

- \**Lactarius scrobipes* Kühn. & Romagn., (1953); under *Quercus*: Larache (Khemiss-of-Sahel) & Tanger (Cherf-El-Akab).
- \**Lactarius semisanguifluus* R. Heim & Leclair, (1950). Sns: Tanger.
- \**Lactarius serifluus* (DC.) Fr., (1838), sensu Pearson, Ricken (1915), non Cooke, Rea, (= *Lactarius subumbonatus* Lindgr., 1845); under *Q. suber*: Larache (El-Araïch, Oulad-Ogbane) & Tanger (Cherf-El-Akab, Jbel Kbir & Perdicaris) & Sns: Larache & Tanger.
- \**Lactarius subdulcis* (Pers.) Gray, (1821); under *Q. faginea*, *Q. pyrenaica* & *Q. suber*: Larache (Khemiss-of-Sahel) & Tanger (Cherf-El-Akab, Perdicaris) & Sns: Tanger (Perdicaris & Tanger).
- \**Lactarius subumbonatus* Lindgr., (1845); under the *Quercus*: Tanger.
- \**Lactarius torminosus* (Schaeff.) Gray, (1821); sous *Q. suber*: Larache (Khemiss-de-Sahel et Larache) et Tanger (Jbel Kbir), sous *Quercus*, *Cistus*: Tanger et Sns: Larache.
- \**Lactarius uvidus* (Fr.) Fr., (1838); under *Pinus* & *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf-El-Akab, Jbel Kbir) & Sns: Larache & Tanger.
- \**Lactarius vellereus* (Fr.) Fr., (1838); under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Tanger (Akbâa-Hamra, Jbel Kbir) & Sns: Larache & Tanger
- \**Lactarius vellereus* var. *velutinus* (Bertil.) Bataille, (1908), (= *Lactarius vellereus* var. *vellereus* (Fr.) Fr., 1908); under the cork oaks: Tanger (Akbâa-Hamra, Cherf-El-Akab) & Sns: Tanger (Cuesta Colorada, Diplomatic forest & Tanger).
- \**Lactarius vietus* (Fr.) Fr., (1838); at *Q. suber*'s woodlands: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Lactarius violascens* (J. Otto) Fr., (1838); under *Q. suber* & *Tetraclinis articulata*: Lalla-Mimouna, Larache (El-Araïch, Khemiss-of-Sahel) & Tanger (Jbel Kbir) & Sns: Lalla Mimouna, Larache & Tanger.
- \**Lactarius volemus* (Fr.) Fr., (1838); under *Pinus pinea* & *Q. suber*: Tanger (Akbâa-Hamra, Jbel Kbir & Cherf-El-Akab).
- \**Lactarius zonarius* (Bull.) Fr., (1838), sensu NCL (1960), Phillips (1981), (= *Lactarius evosmus* Kühner & Romagn., 1954); under *Q. ilex* & *Q. suber*: Lalla-Mimouna, Larache (El-Araïch, Khemiss-of-Sahel) & Tanger (Cherf-El-Akab, Jbel Kbir), under *Q. suber*: Lalla-Mimouna & Sns: Larache & Tanger.
- \**Lactarius zonarius* var. *scrobipes* (Kühner & Romagn.) Bon, (1979), Kühner & Romagn., (1953). Sns: Larache & Tanger.
- \**Lactarius zonatus* (A. Pearson) J. Blum 1964, (= *Lactarius mairei* Malençon, 1969). Sns: Larache (Khemiss-of-Sahel) & Tanger (Cherf-El-Akab).
- \**Russula acrifolia* Romagn., (1997); under *Q. suber*: Larache (Khemiss-de-Sahel et Larache) & Sns: Larache.
- \**Russula adusta* (Pers.) Fr., (1838), sensu Krombholz (tab. 70, fig. 12-13). Sns: Larache & Tanger.
- \**Russula aeruginea* Lindbl. ex Fr., (1863), sensu Cooke [Ill. Brit. Fung. 1027 (1090) Vol. 7 (1888)], (= *Russula parazurea* Jul. Schäff., 1931). Sns: Larache & Tanger.
- \**Russula albonigra* (Krombh.) Fr., (1874), sensu NCL (1960), Rayner (1985), (= *Russula anthracina* Romagn., 1962). Sns: Larache & Tanger.
- \**Russula alutacea* (Fr.) Fr., (1838). Sns: Tanger.
- \**Russula amoena* Quél., (1881), sensu A.A. Pearson [Naturalist (1948)], (= *Russula violeipes* Quél., 1898); under the *Quercus*: Larache (Khemiss-of-Sahel & Larache) & Tanger & Sns: Lalla Mimouna, Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Diplomatic forest, Perdicaris & Tanger).
- \**Russula amoenicolor* Romagn., (1962). Sns: Tanger (Cherf el Akab & Perdicaris).
- \**Russula amoenolens* Romagn., (1952). Sns: Larache & Tanger (Cherf el Akab & Tanger).
- \**Russula anatina* Romagn., (1967). Sns: Tanger.
- \**Russula atropurpurea* Peck, (1888), (Krombh.) Britzelm., (1893). Sns: Larache & Tanger.
- \**Russula aurata* Fr., (1838). Sns: Larache.
- \**Russula azurea* Bres., (1881). Sns: Tanger.
- \**Russula chamaeleontina* (Lasch) Fr., (1838), (= *Russula risigallina* (Batsch) Sacc., 1915). Sns: Larache.
- \**Russula chamaeleontina* f. *bicolor* Melzer & Zvára. Sns: Tanger.
- \**Russula chamaeleontina* f. *batschiana* (?). Sns: Larache.
- \**Russula cutefracta* Cooke, (1881), (= *Russula cyanoxantha* (Schaeff.) Fr., 1863); sous *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Larache & Tanger.
- \**Russula cyanoxantha* (Schaeff.) Fr., (1863). Sns: Larache & Tanger (Akba Hamra & Perdicaris).
- \**Russula cyanoxantha* var. *peltreaui* Singer, (1925). Sns: Tanger.
- \**Russula decipiens* (Singer) Kühner & Romagn., (1953), (Singer) Bon, (1985). Sns: Tanger.
- \**Russula delica* Fr., (1838); under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Lalla Mimouna (Ferjana), Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab & Donabo).
- \**Russula delica* var. *glaucophylla* Quél., (1902). Sns: Larache & Tanger.
- \**Russula delica* var. *trachyspora* Romagn., (1967). Sns: Larache.

- \**Russula densifolia* Secr. ex Gillet, (1876), sensu NCL (1960), Rayner (1985), (= *Russula acrifolia* Romagn., 1997). Sns: Larache & Tanger (Cherf el Akab et Tanger).
- \**Russula emetica* (Schaeff.) Pers., (1796), sensu auct. p.p., (= *Russula silvestris* (Singer) Reumaux, 1996), sensu auct. mult. p.p., (= *Russula betularum* Hora, 1960), sensu A.A. Pearson p.p., auct. p.p., (= *Russula nobilis* Velen., 1920). Sns: Lalla Mimouna (Ferjana).
- \**Russula fallax* (Schaeff.) Fr., (1874), (= *Russula fragilis* var. *fragilis* Fr., 1838). Sns: Tanger (Perdicaris).
- \**Russula farinipes* Romell, (1893). Sns: Tanger.
- \**Russula foetens* Pers., (1796). Sns: Larache & Tanger (Cherf el Akab).
- \**Russula fragilis* Fr., (1838), sensu Cooke [Ill. Brit. Fung. 1028 (1091) Vol. 7 (1888)], Rea (1922), (= *Russula silvestris* (Singer) Reumaux, 1996), sensu Pearson & Dennis (1948), (= *Russula betularum* Hora, 1960); under *Q. suber*: Lalla Mimouna & Sns: Lalla Mimouna (Ferjana & Lalla Mimouna), Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Cuesta Colorada, Jbel Kbir, Perdicaris & Tanger).
- \**Russula fragrantissima* Romagn., (1967). Sns: Tanger (Jbel Kbir).
- \**Russula galochroa* (Fr.) Fr., (1874), sensu Cooke [Ill. Brit. Fung. 1011 (1089) Vol. 7 (1888)], (= *Russula pseudoaeruginea* (Romagn.) Kuyper & Vuure, 1985). Sns: Tanger.
- \**Russula grata* Britzelm., (1898). Sns: Tanger.
- \**Russula grisea* Fr., (1838), sensu auct. p.p., (= *Russula ionochlora* Romagn., 1952). Sns: Larache & Tanger.
- \**Russula grisea* var. *basifurcata* (?). Sns: Tanger.
- \**Russula heterophylla* (Fr.) Fr., (1838); under *Quercus*: Tanger.
- \**Russula ingrata* (?). Sns: Tanger (Diplomatic forest).
- \**Russula laeta* Jul. Schäff., (1952). Sns: Tanger.
- \**Russula laurocerasi* Melzer, (1920), (= *Russula grata* Britzelm., 1898). Sns: Tanger.
- \**Russula lepida* Fr., (1836), (= *Russula rosea* Pers., 1796). Sns: Tanger.
- \**Russula lilacea* Quél., (1877); sous *Q. suber*: Larache (Khemiss-de-Sahel & Larache) & Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cuesta Colorada & Tanger).
- \**Russula lutea* Sacc., (1887), (Huds.) Gray, (1821), sensu auct. mult., (= *Russula risigallina* (Batsch) Sacc., 1915), sensu auct., (= *Russula acetolens* Rauschert, 1989); under *Quercus*: Tanger.
- \**Russula luteotacta* Rea, (1922). Sns: Tanger.
- \**Russula maculata* Quél., (1877), sensu Cooke [Ill. Brit. Fung. 938 (1069) Vol. 7 (1888)]. Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Diplomatic forest & Tanger).
- \**Russula maculata* var. *bresadoliana* (?). Sns: Larache & Tanger.
- \**Russula mairei* Singer, (1929), (= *Russula nobilis* Velen., 1920); under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Larache (Khemiss-Sahel & Larache) & Tanger (Cherf el Akab).
- \**Russula mairei* var. *fageticola* Romagn., (1962), (= *Russula nobilis* Velen., 1920). Sns: Tanger.
- \**Russula melliolens* Quél., (1897). Sns: Tanger.
- \**Russula nigricans* Fr., (1838). Sns: Larache & Tanger.
- \**Russula ochroleuca* Fr., (1838). Sns: Tanger.
- \**Russula olivacea* (Schaeff.) Fr., (1838), Pers., (1796). Sns: Larache & Tanger.
- \**Russula olivacea* f. *roséola* (?). Sns: Larache (Khemiss-of-Sahel & Larache).
- \**Russula parazurea* Jul. Schäff., (1931). Sns: Tanger.
- \**Russula pectinata* Fr., (1838), sensu NCL (1960), Rayner (1985), (= *Russula pectinatoides* Peck, 1907); under *Q. suber*: Larache (Khemiss-of-Sahel & Larache) & Sns: Larache (Khemiss-of-Sahel & Larache) & Tanger (Cherf el Akab, Diplomatic forest, Perdicaris & Tanger).
- \**Russula pectinatoides* Peck, (1907), sensu auct., (= *Russula praetervisa* Sarnari, 1998), sensu NCL (1960), Rayner (1985), (= *Russula insignis* Quél., 1888). Sns: Tanger (Cherf el Akab & Tanger).
- \**Russula pectinatoides* f. *amarescens* Romagn., (1962). Sns: Larache.
- \**Russula pectinatoides* f. *pseudoamoenolens* Romagn., (1962). Sns: Tanger (Cherf el Akab).
- \**Russula pelargonica* Niolle, (1941); under *Eucalyptus globulus*: Tanger (Jbel Kbir).
- \**Russula persicina* Krombh., (1845), sensu Nordic Macromycetes 2, (= *Russula renidens* Ruots., Sarnari & Vauras, 1998); under *Q. suber*: Larache (Khemiss-of-Sahel) & Tanger (Cherf-El-Akab & Perdicaris) & Sns: Tanger.
- \**Russula persicina* var. *Intactor* Jul. Schäff. Bon, (1983), (Jul. Schäff.) Kühner & Romagn., (1953); under *Quercus*: Tanger (Jbel Kbir).
- \**Russula raoultii* Quél., (1886); under *Q. suber*: Tanger (Jbel Kbir).
- \**Russula romellii* Maire, (1910); under *Quercus*: Tanger (Perdicaris) & Sns: Lalla Mimouna & Tanger.
- \**Russula rosacea* (Pers.) Gray, (1821), (= *Russula sanguinaria* (Schumach.) Rauschert, 1989); under *Q. faginea*, *Q. Ilex* *Q. Pyrenaca* & *Q. Suber*: Tanger (Perdicaris, Jbel Kbir).
- \**Russula rosea* Kill., (1939); Pers., (1796), Quél., (1886), (= *Russula aurora* Bres., 1892); under *Pinus pinea* & *Q. suber*: Tanger (Akbâa-hamra & Jbel Kbir) & Sns: Tanger.

- \**Russula rubroalba* (Singer) Romagn., (1967); under *Q. suber*: Larache (Khemiss-Sahel) & Tanger (Akbâa-Hamra) & Sns: Larache (Khemiss-Sahel & Larache).
- \**Russula sanguinea* Fr., (1838), sensu auct. mult., (= *Russula sanguinaria* (Schumach.) Rauschert, 1989); under *Pinus*: Tanger (Cherf-El-Akab, Jbel Kbir, Perdicaris) & Sns: Tanger (Cherf-El-Akab).
- \**Russula sanguinea* f. *rosacea* (Pers.) J.E. Lange, (1940), (= *Russula sanguinaria* (Schumach.) Rauschert, 1989); under *Pinus pinea*: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Russula seperina* Dupain, (1913). Sns: Tanger (Cherf el Akab).
- \**Russula seperina* var. *luteovirens* Bertault & Malençon, (1978); under *Q. ilex* & *Q. suber*: Tanger (Cherf-El-Akab).
- \**Russula sororia* Fr., (1838); under *Pinus*, *Q. ilex* & *Q. suber*: Larache (Khemiss-Sahel) & Tanger (Cherf-El-Akab, Jbel Kbir & Malabata) & Sns: Tanger (Cherf-El-Akab).
- \**Russula straminea* Malençon, (1942); uner *Q. ilex* & *Q. suber*: Larache (Khemiss-of-Sahel) & Tanger (Cherf-El-Akab), under *Q. suber*: Larache (Khemiss-Sahel & Larache) & Sns: Larache (Khemiss-Sahel & Larache) & Tanger (Cherf el Akab, Diplomatic forest).
- \**Russula subfoetens* W.G. Sm., (1873), sensu Rea (1922), (= *Russula farinipes* Romell, 1893); under *Q. ilex* & *Q. suber*: Larache (Khemiss-of-Sahel) & Tanger (Jbel Kbir) & Sns: Larache (Khemiss-Sahel & Larache) & Tanger (Cherf el Akab).
- \**Russula torulosa* Bres., (1929); under *Pinus halpensis*, *P. pinaster* & *P. pinea*: Tanger (Cherf-El-Akab, Jbel Kbir & Perdicaris).
- \**Russula turci* Bres., (1881); in cedar forest and under *Pinus*: Tanger (Jbel Kbir & Perdicaris) & Sns: Tanger (Donabo, Jbel Kbir, Perdicaris & Tanger).
- \**Russula versicolor* Jul. Schäff., (1931); under *Quercus*: Tanger (Cherf-El-Akab, Jbel Kbir, Perdicaris) & Sns: Tanger.
- \**Russula vesca* Fr., (1836); under *Pinus* & *Quercus*: Larache (El-Araïch, Khemiss-Sahel) & Tanger (Cherf-El-Akab, Jbel Kbir, Perdicaris & Malabata) & Sns: Larache & Tanger (Akba Hamra, Dar Chaoui & Tanger).
- \**Russula vesca* f. *viridata* Singer, (1932). Sns: Tanger.
- \**Russula violacea* Quél., (1882), sensu A.A. Pearson [Naturalist (1948)], NCL (1960), (= *Russula cavipes* Britzelm., 1893); under *Q. suber*: Larache (El-Araïch, Khemiss-de-Sahel) & Tanger (Cherf-El-Akab, Jbel Kbir) & Sns: Larache.
- \**Russula violeipes* Quél., (1898); under *Pinus* & *Quercus*: Tanger (Cherf-El-Akab & Jbel Kbir) & Sns: Tanger.
- \**Russula virescens* (Schaeff.) Fr., (1836); under *Eucalyptus*, *Pinus* & *Quercus*: Larache (Khemiss-de-Sahel) & Tanger (Cherf-El-Akab, Jbel Kbir) & Sns: Larache, Tanger (Jbel Kbir & Tanger) & Lns.
- \**Russula wernerii* Maire, (1937); among the asphodel and cysts: Tanger (Jbel Kbir) & Sns: Tanger.
- \**Russula xerampelina* (Schaeff.) Fr., (1838); sous *Q. pyrenaica* et *Q. suber*: Larache (El-Araïche, Khemiss-de-Sahel) & Tanger (Cherf-El-Akab & Dahar-Zhiro) & Sns: Larache & Tanger.
- \**Russula xerampelina* var. *barlae* (Quél.) Melzer & Zvára, (1927); under *Q. suber*: Larache (El-Araïche) & Tanger (Cherf-El-Akab) & Sns: Tanger.
- \**Russula xerampelina* var. *Olivascens* (Fr.) Quél., (1888); under *Q. suber*: Tanger (Perdicaris).
- \**Russula zvarae* Velen., (1922); under *Acacia cyanophylla* & *Q. suber*: Tanger (Cherf-El-Akab & Jbel Kbir).

### Family: Stereaceae

- \**Stereum bicolor* (Pers.) Fr., (1838), (= *Laxitextum bicolor* (Pers.) Lentz, 1956); on *Q. suber*: Tanger.
- \**Stereum gausapatum* (Fr.) Fr., (1874); on *Q. suber*: Larache et Tanger & Sns: Lalla Mimouna.
- \**Stereum hirsutum* (Willd.) Pers., (1800); sur *Q. suber* L., *Q. ilex*, *Q. faginea* Lamk., *Q. coccifera* L.: common in all forested regions of Morocco, on *Acacia cyanophylla*: Tanger (Cherf el Akab & Diplomatic forest), on *Q. suber*: Larache & Sns: Lalla Mimouna & Tanger.
- \**Stereum repandum* var. *lusitanicum* Torrend, (1913), (= *Adustomyces lusitanicus* (Torrend) Jülich, 1979); on *Olea*: Tanger.
- \**Stereum sanguinolentum* (Alb. & Schwein.) Fr., (1838). Sns: Tanger.
- \**Stereum spadiceum* Fr., (1838), (Pers.) Quél., (1888), (= *Porostereum spadiceum* (Pers.) Hjortstam & Ryvarde, 1990), sensu auct., (= *Stereum gausapatum* (Fr.) Fr., 1874). Sns: Tanger.
- \**Stereum subpileatum* Berk. & M.A. Curtis, (1849), (= *Xylobolus subpileatus* (Berk. & M.A. Curtis) Boidin, 1958). Sns: Tanger (Cap Spartel).
- \**Stereum sulphuratum* Berk. & Ravenel, (1868), (= *Boreostereum sulphuratum* (Berk. & Ravenel) G.Y. Zheng & Z.S. Bi, 1990), sensu auct. brit., (= *Stereum rameale* (Schwein.) Burt, 1920); on *Eucalyptus globules*: Tanger.
- Order: Sebaciales



**Family: Sebacinaceae**

\**Sebacina epigaea* (Berk. & Broome) Bourdot & Galzin, (1928); on land: Larache.

\**Sebacina tuberculosa* Torrend, (1913); on *Q. suber*: Tanger.

Order: Septobasidiales

**Family: Septobasidiaceae**

\**Septobasidium* sp., (?); on *Pistacia lentiscus*: Tanger (Dar Chaoui).

Order: Thelephorales

**Family: Bankeraceae**

\**Boletopsis grisea* (Peck) Bondartsev & Singer, (1941); under *Pinus pinea*: Tanger.

\**Calodon amicus* (Quél.) Quél., (1884), (= *Phellodon confluens* (Pers.) Pouzar, 1956); under *Pinus*: Tanger.

\**Calodon ferrugineus* (Fr.) P. Karst., (1881), (= *Hydnellum ferrugineum* (Fr.) P. Karst., 1879). Sns: Tanger (Jbel Kbir & Tanger).

\**Calodon graveolens* (Pers.) Quél., (1886), (= *Phellodon melaleucus* (Sw. ex Fr.) P. Karst., 1881); under *Pinus*: Tanger.

\**Calodon niger* (Fr.) Quél., (1886), (= *Phellodon niger* (Fr.) P. Karst., 1881). Sns: Tanger (Jbel Kbir).

\**Calodon nigrum* (?). Sns: Larache & Tanger (Jbel Kbir).

\**Calodon nigrum* var. *melilotinum* (?). Sns: Tanger.

\**Calodon velutinus* (Fr.) P. Karst., (1882). Sns: Tanger.

\**Calodon zonatus* (Batsch) P. Karst., (1882), (= *Hydnellum concrecens* (Pers.) Banker, 1906). Sns: Tanger (Cuesta Colorada & Tanger).

\**Hydnellum ferrugineum* (Fr.) P. Karst., (1879). Sns: Tanger (Jbel Kbir).

\**Hydnellum zonatum* (Batsch) P. Karst., (1879), (= *Hydnellum concrecens* (Pers.) Banker, 1906). Sns: Tanger (Jbel Kbir).

\**Sarcodon amarescens* (Quél.) Quél., (1883); under *Q. suber*: Tanger & Sns: Tanger (Cuesta Colorada).

\**Sarcodon fennicus* (P. Karst.) P. Karst., (1887); under *Pinus pinea*: Tanger & Sns: Tanger (Jbel Kbir).

\**Sarcodon imbricatus* (L.) P. Karst., (1881), sensu auct. brit., (= *Sarcodon squamosus* (Schaeff.) Quél., 1886); under *Pinus pinaster*: Tanger.

**Family: Thelephoraceae**

\**Caldesiella viridis* (Alb. & Schwein.) Pat., (1900), (= *Amaurodon viridis* (Alb. & Schwein.) J. Schröt., 1888). Sns: Tanger.

\**Phylacteria terrestris* (Ehrh.) Pat., (1900), (= *Thelephora terrestris* Ehrh., 1787); abundant under *Pinus canariensis*: Lalla Mimouna & Sns: Larache & Tanger (Jbel Kbir & Tanger).

\**Phylacteria terrestris* var. *tomentella* Bourdot & Galzin, (1924); under *Pinus insignis* & *Q. suber*: Tanger.

\**Thelephora terrestris* Ehrh., (1787). Sns: Lalla Mimouna (Ferjana).

\**Tomentella bourdotii* Svrček, (1958), sensu Wakefield (1969), (= *Tomentella lilacinogrisea* Wakef., 1966); on *Q. suber*: Larache.

\**Tomentella cinerascens* (P. Karst.) Höhn. & Litsch., (1906). Sns: Tanger.

\**Tomentella crustacea* (Schumach.) Höhn. & Litsch., (1908); on *Q. suber*: Tanger.

\**Tomentella ferruginea* (Pers.) Pat., (1887). Sns: Tanger.

\**Tomentella flaccida* var. *euspora* Bourdot & Galzin, (1924); on *Eucalyptus*' rhytidome: Tanger.

\**Tomentella fusca* (Pers.) J. Schröt., (1888), (= *Tomentella ferruginea* (Pers.) Pat., 1887), sensu Wakefield (1969), (= *Tomentella sublilacina* (Ellis & Holw.) Wakef., 1962). Sns: Tanger.

\**Tomentella fuscella* (Sacc.) S. Lundell, (1954); on *Q. suber*: Larache.

\**Tomentella galzini* Bourdot, (1924); on *Quercus* sp.: Tanger.

\**Tomentella gilberti* Bourdot & Galzin, (1928); on old *Phaeolus schwinitzii*: Tanger.

\**Tomentella granulosa* (Peck) Bourdot & Galzin, (1924), (= *Tomentella punicea* (Alb. & Schwein.) J. Schröt., 1888); on *Acacia* sp.: Tanger.

\**Tomentella isabellina* (Fr.) Höhn. & Litsch., (1906), (= *Botryohypochnus isabellinus* (Fr.) J. Erikss., 1958); on *Acacia* & *Pinus insignis*: Tanger & on *Eucalyptus globulus*: Larache.

\**Tomentella phylacteris* (Bull.) Bourdot & Galzin, (1920); at ground under *Pinus*: Tanger.

\**Tomentella pilosa* (Burt) Bourdot & Galzin, (1924); on *Q. suber*: Tanger.

\**Tomentella punicea* (Alb. & Schwein.) J. Schröt., (1888), sensu auct. NZ, sensu Wakefield (1969), (= *Tomentella lateritia* Pat., 1897); on *Pinus insignis*: Tanger.

\**Tomentella rubiginosa* (Bres.) Maire, (1906), (= *Tomentella punicea* (Alb. & Schwein.) J. Schröt., 1888); on *Quercus* sp.: Tanger.

\**Tomentella ruttneri* Litsch., (1933), (= *Tomentella stuposa* (Link) Stalpers, 1984); on *Q. suber*: Larache.

\**Tomentella tabacina* (Bres.) Sacc. & Trotter, (1912); on *Eucalyptus*: Tanger.

\**Tomentella zygoedesmoides* (Ellis) Höhn. & Litsch., (1907), (= *Tomentellopsis zygoedesmoides* (Ellis) Hjortstam, 1974); on *Eucalyptus*: Tanger.

Order: Trechisporales

#### Family: Hydnodontaceae

\**Grandinia farinacea* (Pers.) Bourdot & Galzin, (1914), (= *Trechispora farinacea* (Pers.) Libert, 1966); on *phoenix* sp.: Tanger.

\**Grandinia granulosa* (Pers.) Fr., (1838), (= *Dichostereum granulatum* (Pers.) Boidin & Lanq., 1977), sensu auct., (= *Brevicellicium olivascens* (Bres.) K.H. Larss. & Hjortstam, 1978); on *Phoenix canariensis*: Tanger.

Order: Tremellales

Family: Tremellaceae

\**Tremella indecorata* Sommerf., (1826); on *Q. faginea*: Tanger.

\**Tremella mesenterica* Schumach., (1803), J.F. Gmel., (1792), Schaeff., (1774), Retz., (1769). Sns: Tanger.

\**Tremella violacea* Relhan, (1785), (= *Auricularia mesenterica* (Dicks.) Pers., 1822); on *Quercus*: Tanger.

Order: Ustilaginales

#### Family: Anthracoideaceae

\**Farysia olivacea* (DC.) Syd. & P. Syd., (1920), (Jaap) Höhn., (1917), (= *Farysia thuemenii* (A.A. Fisch. Waldh.) Nannf., 1959); on *Carex pendula* Huds.: Larache.

#### Family: Ustilaginaceae

\**Ustilago bromivora* (Tul. & C. Tul.) A.A. Fisch. Waldh., (1867), (= *Ustilago bullata* Berk., 1855); on *Bromus macrostachys* Desf., *B. madrelensis* L., *B. sterilis* L., *B. tectorum* L., *B. rubens* L., *B. hordeaceus* L.: Larache.

\**Ustilago cynodontis* (Pass.) Henn., (1893); on *Cynodon dactylon* Rich.: Lns (common throughout Morocco outside of the Sahara region).

\**Ustilago nuda* Schaffnit, (C.N. Jensen) Rostr., (1889); on *Hordeum* sp.: Tanger.

\**Ustilago tritici* (Pers.) Rostr., (1890), C. Bauhin, (= *Ustilago nuda* (C.N. Jensen) Rostr., 1889); on *Triticum aestivum* L. & *T.durum* (Desf.) Trab.: throughout Morocco.

\**Ustilago urgineae* Maire, (1931), (= *Antherospora urgineae* (Maire) R. Bauer, M. Lutz, Begerow, Piątek & Vánky, 2008); in *Urginea martima's inflorescences*: Larache.

\**Ustilago vaillantii* Tul. & C. Tul., (1847), (= *Antherospora vaillantii* (Tul. & C. Tul.) R. Bauer, M. Lutz, Begerow, Piątek & Vánky, 2009); in *Urginea martima's inflorescences*: Tanger.

\**Ustilago zaeae* (Link) Unger, (1836), (= *Ustilago maydis* (DC.) Corda, 1842); common on *Zea mays* L.: Lns (throughout Morocco).

## CONCLUSION

The catalog obtained after assembling a solid bibliographic data, updating, systematic and nomenclatural gave a global and clear view of the wealth and variety of both quantitative and qualitative fungal of Morocco and especially that of Tangier's region. This bibliographic catalog lists 1192 species only Division Basidiomycota divided into 20 orders, 70 families and 194 kinds is a division that most surveyed by the ancient mycologists in the area of the region of Tanger. The bibliographic inventory currently allows opening the way for other mycological projects of the Moroccan territory. In this domain, much remains to be done, especially in a little explored area as the Tanger that can accommodate new species not yet encountered in Morocco.

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