

Bibliographic inventory of Moroccan Rif's fungi: Catalog of rifain fungal flora

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Mots clés: Maroc, Rif, Flore fongique, Biodiversité, Inventaire, Basidiomycètes.

1 SUMMARY

The Moroccan Rif provides favorable conditions for development and fruiting of a rich and diverse fungal flora. This fungal flora has a richness of 752 species belonging to the class of Basidiomycetes, divided into 19 orders, 62 families and 165 genera.

The present catalog of rifain fungal flora constitutes a large contribution to the knowledge of the biodiversity of fungi in the Moroccan Rif. The species are completed and updated with new science and arranged according to the main mycological classification. However, it is certain that the attentive and methodical explorations in the Rifain forests could be the origin of new discoveries for the fungal flora of Morocco.

RESUME

Le Rif marocain offre des conditions favorables au développement et à la fructification d'une flore fongique riche et diversifiée. Cette dernière compte une richesse spécifique de 752 espèces appartenant à la classe des Basidiomycètes, répartie en 19 ordres, 62 familles et 165 genres. Le présent catalogue de la flore fongique rifaine constitue une grande contribution à la connaissance de la biodiversité des champignons dans le Rif marocain. Les espèces y sont complétées et actualisées par des nouveautés scientifiques, puis rangées suivant les principaux radicaux de la classification mycologique. Toutefois, il est certain que des explorations attentives et méthodiques dans les forêts rifaines pourraient être l'origine de nouvelles découvertes pour la flore fongique marocaine.

2 INTRODUCTION

Jahandiez and Maire (1931) subdivided Morocco into 19 geographic regions (Fig.1). The Rif or Moroccan Rif is bound on the north by the Mediterranean and south by central Morocco. Westward, the Rif is limited by the Tangier region and North West Morocco and East by the Beni Znassen and

Low Moulouya. Its weather conditions are typically Mediterranean, particularly in the well-watered parts which have made this area of real biotopes for the growth of fungi that remain poorly studied (Benabid, 2000).

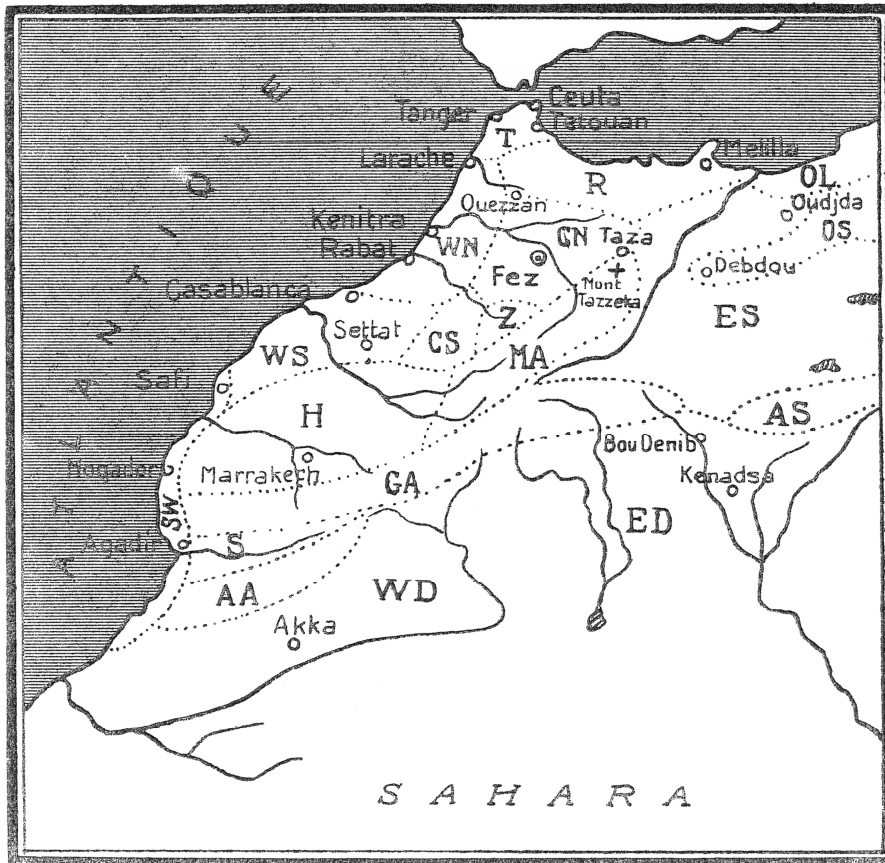
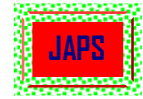


Figure.1: Phytogeographic divisions of the Catalog of JAHANDIEZ & MAIRE (1931).

AA	Anti-Atlas	OL	Oranian Coastal sector
AS	Saharan Atlas	OS	Oranian Mountain sector
CN	Central Morocco Northern part	R	Rif
CS	Central Morocco southern part	S	Plain of Sous
ED	Morocco eastern desert	SW	Moroccan macaronesian sector
ES	Eastern Morocco steppe	T	Peninsula tingitana
GA	High Atlas	WD	Morocco western desert
H	Morocco southern steppe	WN	North western Morocco
MA	Middle Atlas	WS	South western Morocco
		Z	Zaian countries

The first inventory work of Rifain fungal flora goes back to the thirties of the last century with the work of Maire and Werner (1937). These work was followed by the publication of several lists, by Unamuno-Agustin, between 1940 and 1942, and the mycological inventory was arrested during the Second World War. Since the second half of the last century, the work of Malençon and Bertault is the

first meaningful information. These two mycologists, have succeeded to publish, from 1959 to 1970, a series of lists about the fungal flora of Morocco, and in 1970 and 1975, they have published two volumes about the order of Agaricales of the class Basidiomycetes. Between 1978 and 1980 Bertault completed these two volumes, by publishing a series of articles devoted to Lactaire, Russula, Boletus



and Amanites of Morocco. In 2000, forty species were identified and described by Abourouh, all belonging to the class Basidiomycetes.

The analysis of all data relating to the Fungal flora of the Rif, has allowed a list of known species. After consulting the different classification forms of fungi proposed by Gaumann & Dodge (1928), Fitzpatrick (1930), Gwynne-Vanhan & Barnes (1937), Bessey (1950), Gauman (1952) and Alexopoulos (1962), this study adopted those of Malençon & Bertault (1970, 1975), Alexopoulos & Mimes (1979), Alexopoulos & al. (1996) and Maire J.-C., Moreau, P.-A., Robich, G. (eds). (2009).. 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 the Rif, but the locality was not specified by the authors; (SNS) means substrate not indicated.

For each species, its bibliographic source, where it was enumerated or described is given after all the information that was updated by new science. The species are arranged according to the main classification of the fungal flora. The catalog of the fungal flora of the Rif is as follows:

3 THE CATALOG OF THE FUNGAL FLORA OF THE RIF:

Subdivision: Basidiomycotina

Classe: Basidiomycetes

Order: *Agaricales*

Family: *Agaricaceae*

Agaricus augustus Fr., (1838); in 2004 in the forest of Gourougou.

Psalliota arvensis (Schaeff.) Gillet, (1878), (= *Agaricus arvensis* Schaeff., 1774), (Bab-Tariouebtz & Ktama), (SNS): Malençon & Bertault (1959c, 1970b).

Agaricus bernardii Qué., (1878); in 2004 in the forest of Gourougou.

Agaricus bisporus (J.E. Lange) Imbach, (1946); in 2004 in the forest of Gourougou.

Psalliota campestris (L.) Qué., (1872), (= *Agaricus campestris* L.[as'campester'], 1821); (Ktama), (SNS) : Malençon & Bertault (1959c, 1970b), in 2005 in the forest of Gourougou.

Agaricus comtulus Fr. 1838, Berk. & Broome, (1861), Ces. ex Mussat, (1900), (= *Psalliota comtula* (Fr.) Qué.); in 2005 in the forest of Gourougou.

Agaricus iodosmus Heinem., (1965); in 2005 in the forest of Gourougou.

-*Psalliota nivescens* F.H. Møller, (1952), (= *Agaricus nivescens* (F.H. Møller) F.H. Møller, 1952), (=

Agaricus osecanus Pilát, 1951); (LNS), (SNS): Malençon & Bertault, (1967).

-*Agaricus romagnesii* Wasser, (1977), (= *Agaricus bresadolanus* Bohus, 1969); in 2004 in the forest of Gourougou.

-*Psalliota semota* (Fr.) Ricken, (1915), (= *Agaricus semotus* Fr., 1863), sensu NCL (1960) and sensu auct. mult., (= *Agaricus dulcidulus* Schulzer, 1874); under *Quercus faginea*, *Q. rotundifolia* & *Q. suber*, *Pinus* & *Cedrus* (Azib-of-Ktama & Jbel dahdoh), (SNS) : Malençon & Bertault (1959c, 1970b).

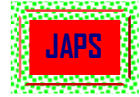
-*Agaricus spissicaulis* F.H Møller, 1952 (« 1951 »), (= *Psalliota spissa* F.H Møller), (= *Agaricus litoralis* (Wakef. & A. Pearson) Pilát, 1952 (« 1951 »); in 2005 in the forest of Gourougou.

-*Psalliota sylvicola* [« *silvicola* »] « Vitt. ex Fr. » (= *Agaricus sylvicola* (Vittad.) Lév., 1855); Forêts de *Pinus* et de *Quercus*, (SNS), (LNS) : Malençon & Bertault (1961a, 1970b).

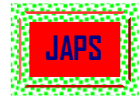
-*Bovista plumbea* Pers., (1795); (LNS), (SNS): Malençon & Bertault (1960b).

-*Calvatia caelata* (Bull.) Morgan, (1890), (= *Lycoperdon utriforme* Bull., 1791); (LNS), (SNS): Malençon & Bertault (1960b).

-*Calvatia candida* (Rostk.) Hollos, (1904); (LNS), (SNS): Malençon & Bertault (1960b).



- Calvatia fragilis* (Vittad.) Morgan, (1890); (LNS), (SNS): Malençon & Bertault (1961a).
- Coprinus comatus* (O.F. Müll.) Pers., (1797); (LNS), (SNS): Malençon & Bertault (1961b).
- Coprinus curtus* Kalchbr., (1881), (= ***Coprinellus curtus* (Kalchbr.) Vilgalys, Hopple & Jacq. Johnson**, 2001); on cow dung (Bab-er-Rouida), (SNS): Malençon & Bertault (1960b, 1970b).
- Coprinus disseminatus* (Pers.) Gray., (1821), (= ***Coprinellus disseminatus* (Pers.) J.E. Lange**, 1938); on *Salix* sp. (Dar-Akoba), (SNS) : Malençon & Bertault (1960b, 1970b).
- Coprinus micaceus* (Bull.) Fr., (1838), (= ***Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson**, 2001); (LNS), (SNS): Malençon & Bertault (1967).
- Coprinus picaceus* (Bull.) Gray., (1821), (= ***Coprinopsis picacea* (Bull.) Redhead, Vilgalys & Moncalvo**, 2001); under *Pinus halepensis* (Bni-Dercul): Malençon & Bertault (1960b, 1970b).
- Coprinus plicatilis* (Curtis.) Fr., (1838), (= ***Parasola plicatilis* (Curtis) Redhead, Vilgalys & Hopple**, 2001); (LNS), (SNS): Malençon & Bertault (1967).
- Coprinus radians* (Desm.) Fr., (1838), (= ***Coprinellus radians* (Desm.) Vilgalys, Hopple & Jacq. Johnson**, 2001); on *Quercus suber* & *Q. rotundifolia*, (LNS): Malençon & Bertault (1960b, 1970b).
- Coprinus sterquilinus* (Fr.) Fr., (1838); (LNS), (SNS): Malençon & Bertault (1960b, 1970b).
- Crucibulum vulgare* Tul. & C. Tul., (1844), (= *Crucibulum laeve* (Huds.) Kambly, 1936); on vine shoots and twigs, (LNS), (SNS): Malençon & Bertault (1959c).
- Cyathus olla* (Batsch) Pers., (1801); (LNS), (SNS): Malençon & Bertault (1961b).
- Cystoderma cinnabarina*, (LNS), (SNS), Malençon & Bertault (1959c).
- Cystoderma cinnabarinum* (Alb. & Schwein.) Fayod, (1889), (= *Cystodermella cinnabarina* (Alb. & Schwei.: Fr.) Harmaja); under *Quercus pyrenaica*, Bni tariouentz: Malençon & Bertault (1970b).
- Cystoderma fallax* A. H. Sm. & Singer, (1945); under *Pinus pinaster* & *Cedrus* sp., (Issaguene, Ktama, Bab Bessene): Malençon & Bertault (1959c, 1970b).
- Cystoderma granulosa* (Batsch.) Fayod; (LNS), (SNS): Malençon & Bertault (1961b, 1970b).
- Cystoderma granulorum* (Batsch) Fayod, (1889), (= *Cystoderma granulorum* (Batsch: Fr.) Harmaja, 2002); under *Quercus pyrenaica* (Bab Triouentz).
- Floccularia carpophila*, (LNS), (SNS): Malençon & Bertault (1959c).
- Gyrophragmium delilei* Mont., (1843): (LNS), (SNS): Malençon & Bertault (1961a).
- Kubneola fici* (Cast.) Butl. (= *Uredo Fici* Cast.); on *Ficus carica* L., (LNS) Malençon & Bertault (1961b).
- Lepiota brunneoincarnata* Chodat & Martin, (1889), (= *Lepiota brunneoincarnata* Chodat & C. Martin); under *Quercus suber* & *Q. rotundifolia*, (LNS): Malençon & Bertault (1960b, 1970b).
- Lepiota castanea* Quélet., (1881), (= *Lepiota ignipes* Locquin ex Bon); under the pine trees in December, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).
- Lepiota chyeolaria* (Bull.) P. Kumm., (1871), **sensu Rea**, (= ***Lepiota magnispora* Murrill**, 1912); in 2005 in the forest of Gourougou.
- Lepiota chyeolaria* var. *latispora* (Kühner) ex Wasser, (1987), (= *Lepiota subgracilis* Wasser, 1978); (LNS), (SNS) : Malençon & Bertault (1960b).
- Lepiota chyeolaria* var. *typica* (Bull.) Kumm., (= *Lepiota chyeolaria* (Bull.: Fr.) Kummer; (LNS), (SNS) : Malençon & Bertault (1960b).
- Lepiota cristata* (Bolton) P. Kumm., (1871); in 2005 in the forest of Gourougou.
- Lepiota excoriata* var. *typica* Maire, (1937); under *Acacia*, *Pinus* & *Cedrus*, (SNS), (LNS): Malençon & Bertault (1970b).
- Lepiota griseovirens* Maire, (1928), **sensu Vellinga**, (= ***Lepiota obscura* (Locq. ex Bon) Bon**, 1993); (LNS), (SNS): Malençon & Bertault, (1960b).
- Lepiota helveola* Bres., (1881); in glades of oak or cedar forests (Chaouene), (SNS): Malençon & Bertault (1967, 1970b).
- Lepiota ignipes* Locquin., (1952), (= *Lepiota castanea* Quélet., (1881), (= *Lepiota ignipes* Locquin ex Bon); under *Quercus faginea*, *Q. pyrenaica* & *Q. suber* (Chaouene, Bab-Tariouentz, Talassentane): Malençon & Bertault (1960b, 1970b).
- Lepiota mastoidea* (Fr.) P. Kumm., (1871), (= *Macrolepiota mastoidea* (Fr.) Singer, 1951), (= *Macrolepiota mastoidea* (Schaeff.: Fr.) Wasser, 1978; in oak forests, *Acacia* and *Eucalyptus* and in the cedar, (LNS), (SNS), Malençon & Bertault (1959c, 1970b).
- Lepiota melanotricha* Malençon & Bertault, (1970), (= *Leucoagaricus melanotrichus* var. *melanotrichus* (Malençon & Bertault) Trimbach, 1975); in the *Cistus* maquis, heather, myrtle and arbutus woodlands, or clear forests of hardwoods and conifers: *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber*, *Acacia mollissima*, *Pinus pinaster*, *Cedrus* (Chaouene, Dardara, Tanakob, Bab-Tariouentz & Ktama): Malençon & Bertault (1970b).



-*Lepiota metulaespora* Berk. & Br., s. Bress, (= *Lepiota ventriospora* D.A Reid 1958); (LNS), (SNS): Malençon & Bertault (1969).

-*Lepiota naucina* (Fr.) P. Kumm., (1871), (= *Leucoagaricus naucinus* (Fr.) Singer, 1951). (Al-Hoceima), (SNS): Malençon & Bertault (1961a, 1970b).

-*Lepiota procera* (Scop.) Gray, (1821), (= *Macrolepiota procera* var. *procera* (Scop.) Singer, 1948), (= *Macrolepiota fuliginosa* (Barla) Bon, 1981); in the forests of *Quercus*, *Cedrus* & *Pinus*, (LNS), (SNS): Malençon & Bertault, (1959c, 1970b); in 2005 in the forest of Gourougou.

-*Lepiota rufovelutina* Velenovsky, (1939); at the base of a clump of *Arundo donax* (Al-Hoceima), (SNS): Malençon & Bertault (1967, 1970b).

-*Lepiota seminuda* (Lasch) P. Kummer, (1871), (= *Cystolepiota seminuda* (Lasch) Bon, 1976); under *Quercus pyrenaica* (Jbel Khzana): Malençon & Bertault (1960b, 1970b).

-*Lepiota setulosa* J. E. Lange, (1935), (= *Lepiota echinella* var. *echinella* Quélet & G.E. Bernard, 1888); (Marabout of Sidi-Bou-Hassan of Bni-Dercul), (LNS), (SNS): Malençon & Bertault (1960b, 1970b).

-*Lepiota subincarnata* J. E. Lange, (1940); under *Quercus pyrenaica* & *Pinus halepensis* (Bab-Tariouentz & Bni Dercul): Malençon & Bertault (1961a, 1970b).

-***Leucoagaricus leucothites* (Vittad.) Wasser**, (1977); in 2005 in the forest of Gourougou.

-*Lycoperdon furfuraceum* Schaeff., (1770), (= *Bovista aestivalis* (Bonord.) Demoulin, 1979); (LNS), (SNS): Malençon & Bertault (1969).

-*Lycoperdon gemmatum* Batsch, (1783), (= *Lycoperdon perlatum* Pers., 1796); (LNS), (SNS): Malençon & Bertault (1960b).

-*Lycoperdon pusillum* Batsch, (1789), (= *Bovista pusilla* (Batsch) Pers., 1801); (LNS), (SNS): Malençon & Bertault (1960b).

-*Montagnites candollei* Speg., (1914), Fr., (1838), (= ***Montagnea candollei* (Fr.) Fr.**, 1854); (LNS), (SNS): Malençon & Bertault (1961a).

-*Secotium basserianum* Mont.; under *Quercus*. Imasinen. (SNS); Maire & Werner, (1937).

Family: Amanitaceae

-*Amanita caesarea* (Scop. ex Fr.) Quélet, (= *Amanita caesarea* (Scop.) Pers., 1801); under *Quercus suber* & *Q. pyrenaica* (Chaouene, Dardara and at Bab Tariouentz): Malençon & Bertault (1959c, 1970b).

-*Amanita citrina* (Schaeff.) Pers., (1797), (= *Amanita cirina* var. *citrina* (Schaeff.) Pers., 1797); under *Quercus rotundifolia*, (LNS): Malençon & Bertault (1960b, 1970b).

-*Amanita crocea* (Quélet) Singer, (1951); in oak (*Quercus suber*), (LNS): Malençon & Bertault (1967, 1970b).

-*Amanita curtipes* Gilbert., (1941); (Bab-Tariouentz), (SNS): Malençon & Bertault (1959c, 1970b).

-*Amanita excelsa* (Fr.) P. Kumm., (1871), (= *Amanita spissa* (Fr.) P. Kumm., 1852),

(= *Amanita excelsa* (Fr.: Fr.) Bertillon, 1866); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1959c, 1970b).

-*Amanita gemmata* (Fr.) Gillet, (= *Amanita junquillea* Quélet, 1877); under *Cedrus* sp. & *Pinus* (Ktama), (SNS): Malençon & Bertault (1961a, 1970b).

-*Amanita inaurata* Secr. ex Gillet, (1874), (= *Amanita ceciliae* (Berk. et Broome) Bas, (1983), (= *Amanita strangulata* (Fries) Bertillon, 1866); under *Quercus rotundifolia*, (LNS): Malençon & Bertault (1959c, 1970b).

-*Amanita lividopallescens* (Secr. ex Boud.) Kühner & Romagn., (1931), (= *Amanita lividopallescens* (Gillet) Seyot, 1930); under *Abies pinsapo* mixed at *Quercus faginea*, (LNS): Malençon & Bertault (1961b, 1970b).

-*Amanita mairei* Foley (A. pseudovaginata R. Maire in sched.), (= *Amanita argentea* Huijsman, 1959) (= *Amanita mairei* Foley, 1949); (LNS), (SNS): Malençon & Bertault (1969).

-*Amanita muscaria* (L. ex Fr.) Pers. ex Hooker, 1797, (= *Amanita muscaria* var. *muscaria* (L.) Hook., 1797), (= *Amanita muscaria* (L.) Lam., 1783); under cedar (LNS), (SNS): Malençon & Bertault (1959c, 1970b), Abourouh (2000).

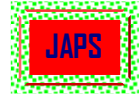
-*Amanita ovoidea* (Bull. ex Fr.) Quélet, (= *Amanita ovoidea* (Bull.) Link, 1833); under *Pinus halepensis* (Bni-Dercul): Malençon & Bertault (1960b, 1970b).

-*Amanita pantherina* (DC. ex Fr.) Quélet, (= *Amanita pantherina* (DC.) Krombh, 1836); (LNS), (SNS): Malençon & Bertault (1960b, 1970b).

-*Amanita phalloides* (Vaill. ex Fr.) Link, (1833), (= *Amanita phalloides* (Fries: Fr.) Link, 1833); under *Quercus rotundifolia* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1960b, 1970b).

-*Amanita rubescens* (Pers.), 1799, (= *Amanita rubescens* var. *rubescens* (Pers.) Gray, 1797), (= *Amanita rubescens* Persoon: Fr.); under the oaks and conifers, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).

-*Amanita umbrinolutea* (Secr. ex Gillet) Bertill., (1910), (= *Amanita battarrae* (Boud.) Bon, 1985), (= *Amanita umbrinolutea* (Secrétan) Bataille, 1910); under *Quercus*



rotundifolia (Akarrate, front at Chaouene): Malençon & Bertault (1960b, 1970b).

-*Amanita vaginata* (Bull.) Vittad., (1783), (= *Amanita vaginata* var. *Vaginata* (Bull.) Fr., 1783), (= *Amanita vaginata* (Bulliard: Fr.) Lamarck, 1783); in oak, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).

-*Amanita vaginata* var. *fulva* (Schaeff.) Gillet, (1874), (= *Amanita fulva* (Schaeff.) Fr., 1815); (LNS), (SNS): Malençon & Bertault (1967).

-*Limacella illinita* (Fr.) Maire, (1933), (= *Limacella illinita* (Fries: Fr.) Murrill, 1914); under *Pinus pinaster*, *Quercus pyrenaica* & *Q. faginea* (Ktama, Bab-Tariouentz, Chaouene, Jbel khzana & Tanakob): Malençon & Bertault (1959c, 1970b).

-*Torrendia pulchella* Bres., (1902); under the cedar, (LNS), (SNS): Malençon & Bertault (1959c).

Family: *Bolbitiaceae*

-*Conocybe pseudopilosella* (Kühner) Kühner & Romagn. (1953), (= *Conocybe pulchella* (Velen.) Hauskn. & Svercek, 1999); under the cedars (down of Jbel Dahdoh, near Ktama): Malençon & Bertault (1970b).

-*Conocybe siliginea* (Fr.) Kühner, (1935), sensu auct., (= *Conocybe rickenii* (Jul. Schaff.) Kühner, 1935), (LNS), (SNS): Malençon & Bertault (1960b).

-*Conocybe tenera* (Schaeff.) Fayod, (1889), **sensu auct. brit. p.p.**, (= *Conocybe pulchella* (Velen.) Hauskn. & Svrček, 1999); in *Cedrus* and *Betula* (Azib of Ktama), (SNS): Malençon & Bertault (1960b, 1970b).

-*Panaeolus acuminatus* (Schaeff.) Quélet., (1874) (= *Panaeolus acuminatus* (Schaeff.) Quélet. 1872); (LNS), (SNS): Malençon & Bertault (1960, 1970b).

-*Panaeolus campanulatus* (L.) Quélet., (1872), **sensu auct. brit.**, (= *Panaeolus papilionaceus* var. *parvisporus* Ew. Gerhardt, 1996) (= *Panaeolus campanulatus* (Fr.) Quélet.); on the excrement of herbivores. Ketama, (SNS): Maire & Werner (1937), Malençon & Bertault (1970b).

-*Panaeolus fimicola* (Pers.) Gillet, (1878), (= *Panaeolus fimicola* (Pers.: Fr.) Quélet. 1872); on the excrement of herbivores (Ktama), (SNS): Malençon & Bertault (1959c, 1970b).

-*Panaeolus papilionaceus* (Bull.) Quélet., (1873), (= *Panaeolus papilionaceus* (Bull.: Fr.) Quélet. 1872), (= *Panaeolus papilionaceus* var. *papilionaceus* (Bull.) Quélet., 1873); on the excrement of herbivores (Issaguene), (SNS): Maire & Werner (1937), Malençon & Bertault (1970b).

Family: *Clavariaceae*

-*Clavulinopsis corniculata* (Schaeff.) Corner, (1950); (LNS), (SNS): Malençon & Bertault (1969).

Family: *Cortinariaceae*

-*Cortinarius anomalus* (Pers.) Fr., (1838); under *Quercus pyrenaica* & *Q. suber* (Bab Tariouentz & Dardara): Malençon & Bertault (1959c, 1970b).

-*Cortinarius aurasiacus* Pat., (1902), (Ktama) (= *Cortinarius malenconii* Bidaud, Moëgne-Locc. & Reumaux); (LNS), (SNS): Malençon & Bertault, (1959, 1967, 1970).

-*Cortinarius balteatocumatilis* R. Henry., (1939), (= *Cortinarius balteatocumatilis* Rob. Henry ex P.D. Orton.); under *Quercus rotundifolia*, (LNS): Malençon & Bertault (1959c, 1970b).

-*Cortinarius bicolor* Cooke, (1873), (= *Cortinarius cagei* Melot [as 'cageii], 1990); under *Quercus pyrenaica* and *Q. suber* (Bab Tariouentz & Akarrate): Malençon & Bertault (1960b, 1970b).

-*Cortinarius bivellus* (Fr.) Fr., (1838); under *Quercus pyrenaica* (Bab Tariouentz): Malençon & Bertault (1959c, 1970b).

-*Cortinarius boudieri* var. *pseudo-arcuatus* Rob. Henry, (1988); under *Quercus faginea* (Bab-er-Rouida): Malençon & Bertault (1961b, 1970b).

-*Cortinarius caerulescentium* R. Henry, (= *Cortinarius caerulescentium* Rob. Henry); under *Pinus halepensis* (Marabout of Bni-Dercul): Malençon & Bertault (1960b, 1970b).

-*Cortinarius caesiocyaneus* var. *typicus* (Britzelm., (1895), (= *Cortinarius caerulescens*), (LNS), (SNS): Malençon & Bertault (1969).

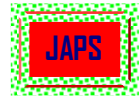
-*Cortinarius calochrous* (Pers.) Gray, (1821), **sensu Rea** (1922), **Cooke**, (= *Cortinarius arcuatus* (Alb. & Schwein.) Fr., 1838), (= *Cortinarius calochrous* (Pers.: Fr.) Fr.); under *Pinus pinaster*, Bni Dercul: Malençon & Bertault (1970b).

-*Cortinarius calochrous* var. *cookianus* Pers. ex Fr.; under *Pinus halepensis* (Bni-Dercul): Malençon & Bertault (1960b).

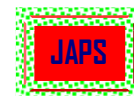
-*Cortinarius candelaris* Fr., (1838), **sensu auct.** Mult., (= *Cortinarius rigens* (Pers.) Fr., 1838); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1961a, 1970b).

-*Cortinarius cedretormus* var. *Suberetorum* R. Maire, (1937), (= *Cortinarius cedretormus* var. *Suberetorum* Maire.); (LNS), (SNS); Malençon & Bertault (1959c, 1970b).

-*Cortinarius cedretormus* var. *typicus* Maire, (1937); (LNS), (SNS): Malençon & Bertault (1959c).



- Cortinarius cedretorum* Maire, (1914); under *Abies pinsapo*, (Jbel Arhoude): Malençon & Bertault (1970b).
- Cortinarius collinitus* var. *typicus* A. H. Smith., on oak, (LNS), (SNS): Malençon & Bertault (1960b, 1970b).
- Cortinarius cookianus* Rob. Henry, (1943), (= *Cortinarius cookeanus* Rob. Henry.); under *Pinus halepensis* (Marabout of Bni-Dercul): Malençon & Bertault (1970b).
- Cortinarius cotoneus* Fr., (1838); under *Abies pinsapo* (JbelTasaote): Malençon & Bertault (1961a, 1970b).
- Cortinarius cumatilis* Fr., (1838) Quélet; under *Quercus pyrenaica* in sandy soil (Jbel Khzana): Malençon & Bertault (1960b, 1970b).
- Cortinarius dionysae* Rob. Henry, (1933); under pure or mixed cedars of *Quercus rotundifolia* (Ktama): Malençon & Bertault (1959c, 1970b).
- Cortinarius duracinus* Fr., (1838), (= *Cortinarius rigens* (Pers.) Fr., 1838); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1959c, 1970b).
- Cortinarius elatior* Fr., (1838), (= *Cortinarius livido-ochraceus* (Berk.) Berk., 1860) (= *Cortinarius elatior* Fr.s.l.); under *Quercus suber* & *Q. pyrenaica* (Bab-er-Rouida, Dardara & Bab Tariouentz): Malençon & Bertault (1959c, 1970b).
- Cortinarius emollitus* Fr., (1838); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1961b, 1970b).
- Cortinarius erythrinus* (Fr.) Fr., (1838); (LNS), (SNS): Malençon & Bertault (1959c).
- Cortinarius evernius* (Fr.) Fr., (1838); under *Quercus suber* (Akarrate): Malençon & Bertault (1967, 1970b).
- Cortinarius glaucopus* (Schaeff.) Fr., (1838), **sensu Rea** (1922), (***Cortinarius amoenolens* Rob. Henry ex P.D. Orton**, 1960); under *Quercus suber* (Akarrate): Malençon & Bertault (1959c, 1970b).
- Cortinarius herculeus* Malençon, (1958); in cedar forests, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).
- Cortinarius hinnuleus* Fr., (1838); in the clearings and the forests of *Quercus suber* (Akarrate): Malençon & Bertault (1960b, 1970b).
- Cortinarius holophaeus* J. E. Lange, (1935); under *Quercus pyrenaica* (Bab-Berred): Malençon & Bertault (1961b, 1970b).
- Cortinarius infractus* var. *obscurocyaneus* (**Secr. ex J. Schröt.) G. Garnier**, (1991) (= *Cortinarius infractus* ssp. *Obscurocyaneus* (Secr. ex G. Schröt.) G. Garnier.); in pure cedar forests (Jbel Dahdoh), (SNS): Malençon & Bertault (1959c, 1970b).
- Cortinarius infractus* (**Pers.) Fr.**, (1838) (= *Cortinarius infractus* (Fr.) Fr.); under hardwood (*Betula alba*, *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber*) and pure or mixed cedar forests (Akarrate, Talassentane, Bab-Tariouentz, Jbel Dahdoh, Azib of Ktama): Malençon & Bertault (1959c, 1970b).
- Cortinarius multiformis* (**Fr.) Fr.**, (1838), **sensu NCL (1960), auct. mult.**, (= ***Cortinarius polymorphus* Rob. Henry**, 1985); under the Cedars and *Quercus pyrenaica* (Jbel Dahdoh near Ktama & Bab Tariouentz): Malençon & Bertault (1959c, 1970b).
- Cortinarius nemorensis* (**Fr.) J.E. Lange**, (1940), (= *Cortinarius varicolor* var. *nemorensis* Fr.); under *Quercus suber* (Akarrate): Malençon & Bertault (1960b, 1970b).
- Cortinarius paleaceus* (Weinm.) Fr.; in *Quercus suber* forests (Chaouene & Dardara): Malençon & Bertault (1961b, 1970b).
- Cortinarius psammocephalus* (Bull.) Fr., (1838), sensu auct., (= *Cortinaroius angelesiannus* A. H. SM., 1944); (LNS), (SNS): Malençon & Bertault (1960b).
- Cortinarius pulchellus* J. E. Lange (1935), (= *Cortinarius bibulus* Quél., 1881); under *Alnus viridis*, at the edge of a pond to Osmond: *Osmunda regalis* (Jbel Khzana): Malençon & Bertault (1961a, 1970b).
- Cortinarius rigidus* (Scop.) Fr.; under *Quercus suber* (Akarrate, Dardara): Malençon & Bertault (1961b, 1970b).
- Cortinarius rufolivaceus* (Pers.) Fr., (1838); under *Quercus pyrenaica* & *Q. suber* (Bab-Tariouentz & Bab-er-Rouida): Malençon & Bertault (1959c, 1970b).
- Cortinarius scobinaceus* Malençon & Bertault (1970); scrub trees of *Quercus suber* (Chaouene): Malençon & Bertault (1970b).
- Cortinarius sodagnitus* Rob. Henry, (1935); in pure or mixed cedar forests (Jbel Dahdoh), (SNS): Malençon & Bertault (1959c, 1970b).
- Cortinarius subturbinatus* Rob. Henry ex P. D. Orton, (1939), (= *Cortinarius saporatus* (Bretzelm), 1897); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1967, 1970b).
- Cortinarius torvus* (Fr.) Fr., (1838); under *Quercus suber* (Akarrate): Malençon & Bertault (1967, 1970b).
- Cortinarius trivialis* J. E. Lange, (1940); under *Quercus rotundifolia* & *Q. suber*, (LNS): Malençon & Bertault (1959c, 1970b).
- Cortinarius trivialis* var. *subolivascens* Hry, (= *Cortinarius trivialis* var. *subolivascens* Rob. Henry), (LNS), (SNS) ; Malençon & Bertault, (1959c).



-*Cortinarius turgidus* Fr., (1838) (= *Cortinarius turgidus* Fr. s. Bataille); (LNS), (SNS): Malençon & Bertault (1961b).

-*Cortinarius venetus* (Fr.) Fr., (1838); in cedar (Jbel Dahdoh), (LNS), (SNS); Malençon & Bertault (1959c, 1970b).

Family: Cyphellaceae

-*Cyphella alboviolascens* (Alb. & Schwein.) P. Karst., (1870), (= *Lachnella alboviolascens* (Alb. & Schwein.) Fr., 1849); on *Opuntia ficus-indica* & *Calycotome spinosa*, (LNS): Malençon & Bertault (1959b).

-*Cyphella anomala* (Pers.) Pat., (1900), (= *Cyphellopsis anomala* (Pers.) Donk, 1931); *Quercus pyrenaica*, (LNS): Malençon & Bertault (1961a).

-*Cyphella candida* Jungh., (1838), **Peck** (1875); on dead wood of *Quercus suber*, (LNS), (SNS): Malençon & Bertault (1959b).

-*Cyphella nivea* P. Crouan & H. Crouan, (1867), **Fuckel**, (1870), (**Qué.**) **Bourdot & Galzin**, (1928); on *Abies pinsapo*, (LNS): Malençon & Bertault (1960a).

-*Cyphella poriaeformis* (Pers.) Bourdot & Galzin, (1927), (= *Stigmatomma poriiforme* (Pers.) W.B. Cooke, 1961), (= *Resupinatus poriaeformis* (Pers.) **Thorn, Moncalvo & Redhead**, 2006); on *Abies pinsapo* & *Quercus pyrenaica*, (LNS) Malençon & Bertault (1959b).

-*Cyphella villosa* (Pers.) **P. Crouan & H. Crouan**, (1867), (= *Lachnella villosa* (Pers.) Gillet, 1880); on *Calycotome villosa*, (LNS): Malençon & Bertault (1961b).

Family: Entolomataceae

-*Clitopilus caelatus* (Fr.) Kühner & Romagnesi, (1953), (**Fr.**) **Vila & Contu**, (2009), (= *Rhodocybe caelata* (Fr.) Maire, 1929); in scrub at Cistus burned (BabTaza), (SNS): Malençon & Bertault (1975).

-*Clitopilus gioranellae* var. *omphaliformis* (Joss.) Josserand, (1955), (= *Clitopilus omphaliformis* Joss., 1941); in wooded scrub (Dardara, Chaouene), (SNS): Malençon & Bertault (1975).

-*Clitopilus birneola* (Fr.) Kühner & Romagnesi, (1953) (= *Clitopilopsis artrocystis* Kühner & Maire 1937) (= *Rhodocybe birneola* (Fr.) P.D. Orton, 1960); wooded scrub or clear forests of *Pinus*, *Quercus pyrenaica* & *Q. suber* (Chaouene): Malençon & Bertault (1975).

-*Clitopilus bobsonii* (Berk. & Broome) P.D. Orton, (1960); on barks of dead stumps of *Pinus halepensis*,

Quercus faginea, *Q. rotundifolia*, *Q. suber* and walls grafted on *Opuntia ficus-indica* pourrissant (Chaouen & Bab-er-Rouida): Malençon & Bertault (1975).

-*Clitopilus mundulus* (Lasch) P. Kummer, (1871), (= *Rhodocybe popinalis* (Fr.) Singer, 1951), (= *Rhodocybe mundula* (Lasch) Singer, 1951); in thickets clear of *Quercus rotundifolia* (Bab-Tariouentz): Malençon & Bertault (1961b, 1975).

-*Clitopilus omphaliformis* Joss., (1941): (LNS), (SNS): Malençon & Bertault (1967).

-*Clitopilus pleurotelloides* (Kühner) Joss., (1941), (= *Clitopilus bobsonii* (Berk. & Broome) P. D. Orton, (1960)); (LNS), (SNS): Malençon & Bertault (1960b).

-*Clitopilus prunulus* Scop. ex Fr. (= *Clitopilus prunulus* (Scop.) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1959c).

-*Clitopilus truncatus* var. *mauretanicus* R. Maire (= *Rhodocybe gemina* var. *mauretanica* (Maire) Bon, 1990); (LNS), (SNS): Malençon & Bertault (1961b).

-*Eccilia undata* (Fr.) Qué., (1880), (= *Entoloma undatum* (Fr.) M. M. Moser, 1978); (LNS), (SNS): Malençon & Bertault (1960b).

-*Entoloma lividoalbum* (Kühner & Romagn.) Kubicka, (1975); (LNS), (SNS): Malençon & Bertault (1959c).

-*Entoloma lividum* (Bull.) Qué., (1872), (= *Entoloma sinuatum* (Bull.) P. Kumm., (1871); (LNS), (SNS): Malençon & Bertault (1960b).

-*Entoloma nidorosum* (Fr.) Qué., (1872), (= *Entoloma rhodopolium* (Fr.) P. Kumm., 1871), **sensu auct. p.p.**, (= *Entoloma politum* (Pers.) **Donk**, 1979); (LNS), (SNS): Malençon & Bertault (1959c).

-*Entoloma politum* (Pers.) Donk, (1949); (LNS), (SNS): Malençon & Bertault (1960b).

-*Nolanea juncina* (Kühner & Romagn.) P.D. Orton, (1960), (= *Entoloma juncinum* (Kühner & Romagn.) Noordel., 1979); (LNS), (SNS): Malençon & Bertault (1960b).

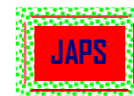
-*Nolanea mammosa* (L.) Sacc., (1887), (= *Entoloma mammosum* (L.) Hesler, 1967); (LNS), (SNS): Malençon & Bertault (1959c).

-*Nolanea mammosa* f. *sericoides* (J. E. Lange) P. D. Orton, (1991), (= *Entoloma sericeoides* (**J.E. Lange**) **Noordel.**, 1980); (LNS), (SNS): Malençon & Bertault (1960b).

-*Rhodocybe caelata* (Fr.) Maire, (1926); (SNS), (LNS): Malençon & Bertault (1961a).

-*Rhodocybe birneola* (Fr.) P.D. Orton, (1960); (SNS), (LNS): Malençon & Bertault (1961a).

-*Rhodocybe nitellina* (Fr.) Sing., (1946), (= *Rhodocybe Cuprea*); (LNS), (SNS): Malençon & Bertault (1959c).



-*Rhodophana nitellina* (Fr.) Kühner, 1971, *Rhodopaxillus* Singer, 1949, *Rhodocybe* Singer, 1962, (= *Rhodocybe nitellina* (Fr.) Singer), in the forests; (LNS) & (SNS): Malençon & Bertault (1975).

-*Rhodophyllus (Claudopus) byssisedus* (Pers.) Gillet, (1876), (= *Entoloma byssisedum* (Pers.) Donk, 1949); on rotting stumps, *Salix* sp. (Bni Dercul, Bab-Tariouentz): Malençon & Bertault (1961b, 1970b).

-*Rhodophyllus floccipes* Malençon & Bertault, (1970) (= *Entoloma floccipes* Malençon & Bertault ex P.-A. Moreau & Courtec.); in the middle of *Cistus* and the *Pteridium* (Chaouene): Malençon & Bertault (1970b).

-*Rhodophyllus juncinus* Kühner & Romagn., (1954) (= *Entoloma juncinum* (Kühner & Romagn.) Noordel., 1979); (Chaouene), (LNS), (SNS): Malençon & Bertault (1970b).

-*Rhodophyllus lividoalbus* Kühner & Romagn., (1954), (= *Entoloma lividoalbum* (Kühner & Romagn.) Kubicka, (1975); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault, (1970b).

-*Rhodophyllus lividus* (Bull. ex Fr.) Quél., (= *Entoloma lividum* (Bull.) Quél., 1886), (= ***Entoloma sinuatum* (Bull.) P. Kumm., 1871**); under *Quercus pyrenaica* & *Q. suber* (Bab-Tariouentz & Chaouene): Malençon & Bertault (1970b).

-*Rhodophyllus mammosus* (L.) Quél., (1886) (= *Entoloma hebes* (Romagn.) Trimbach 1981); under the cedars & *Quercus rotundifolia* (Ktama & Bab Bessene): Malençon & Bertault, (1970b).

-*Rhodophyllus politus* (Pers.) Quél., (1886), (= *Entoloma politum* (Pers.) Donk, 1949); under *Salix* (Jbel Khzana), (SNS): Malençon & Bertault (1970b).

-*Rhodophyllus undatus* var. *odorus* J. Favre, (1948) (= *Entoloma undatum* (Gillet) M.M Moser, 1978); in oak woods: *Quercus rotundifolia* & *Q. suber* (Chaouene): Malençon & Bertault (1970b).

Family: Hydnangiaceae

-*Laccaria amethystina* (Huds.) Cooke, (1884), in 2005 in the forest of Gourougou.

-*Laccaria laccata* (Scop.) Cooke, (1884); (LNS) & (SNS): Malençon & Bertault (1959c).

-*Laccaria lateritia* Malençon, (1966); under *Acacia mollissima*, *Eucalyptus camaldulensis*, *E. globulus*, *E. gomphocephala*, *Pinus pinaster* & *Quercus suber* (Chaouene), (LNS): Malençon & Bertault (1975).

Family: Hygrophoraceae

-*Hygrocybe pratensis* (Fr.) Murrill, (1976), (= *Hygrocybe Pratensis* var. *pratensis* (Pers.) Murrill, 1871) (=

Hygrocybe pratensis (Pers.: Fr.) P. Kumm.); (LNS), (SNS): Malençon & Bertault (1969).

-*Hygrophorus cantharellus* (Schwein) Fr., (1838) (= *Hygrocybe cantharellus* (Schwein) Murrill, 1911); under *Quercus pyrenaica* (Jbel Khzana): Malençon & Bertault (1960b, 1975).

-*Hygrophorus chrysodon* (Batsch) Fr., (= *Hygrophorus chrysodon* (Batsch : Fr.) Fr., 1838); under the cedars & *Quercus rotundifolia* (Akarrate, Chaouene, Dardara, Jbel Dahdoh): Malençon & Bertault (1960b, 1975).

-*Hygrophorus conicus* (Schaeff.) Fr., (1838), (= *Hygrocybe conica* (Schaeff.) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1959c).

-*Hygrophorus conicus* var. *nigrescens* (Quél.) Konrad & Maubl.; (SNS), (LNS): Malençon & Bertault (1961b).

-*Hygrophorus cossus* (Sowerby) Fr., (1838), (= *Hygrophorus eburneus* var. *cozzus* (Sowerby) Quél., (1888), (= *Hygrophorus discoxanthus* (Fr.) Rea, 1908); (LNS), (SNS): Malençon & Bertault (1959c).

-*Hygrophorus croceus* Bres., (1907); (LNS), (SNS): Malençon & Bertault (1969).

-*Hygrophorus dichrous* Kühner & Romagn., sensu NCL, (1960), (= *Hygrophorus persoonii* Arnolds, 1979); under *Quercus rotundifolia*, Pines & Cedars (Chaouene, Issaguene): Malençon & Bertault (1960b, 1975).

-*Hygrophorus eburneus* (Bull.) Fr., (1838), (= *Hygrophorus eburneus* var. *eburneus* (Bull.: Fr.) Fr., 1838); (LNS), (SNS): Malençon & Bertault (1960b).

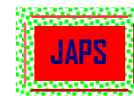
-*Hygrophorus eburneus* var. *pseudodiscoidens* Maire, (1928); (LNS), (SNS): Malençon & Bertault (1960b).

-*Hygrophorus marzuolus* (Fr.) Bres., (1893) = *Limacium camarophyllum* ssp. *Marzuolum* (Fr.) Herink = *Clitocybe glaucophylla* Boudier, (= *Hygrophorus marzuolus* (Fr.) Bres.); in cedar (Jbel Dahdoh & Ktama), (SNS): Malençon & Bertault (1959c, 1975).

-*Hygrophorus nigrescens* (Quél.) Quél., (1888), *Hygrocybe* Kühner, (1926) = *Hygrophorus conicus* var. *nigrescens* (Quél.) Kühner & Romagnesi, (1953). = *Hygrophorus puniceus* var. *nigrescens* Quélet, (1883) = *Hygrophorus conica* var. *conica* (Scop.) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1975).

-*Hygrophorus niveus* (scop.) Fr., (1838), (= *Hygrocybe virginea* (Wulfen: Fr.) P. D. Orton & Watling, 1969); under *Pinus* sp. & *Quercus* sp., or among *Cistus* sp., (Bab-Tariouentz, Bni Dercul & Issaguène), (SNS): Malençon & Bertault (1961b, 1975).

-*Hygrophorus obrusseus* (Fr.) Sacc., (1887), *H. chlorophanus* (= *Hygrocybe obrussea*



(Fr.: Fr.) Wünsche, 1877), NCL (1960); among the Cistes (Bni-Dercul, Daya of Danakob), (SNS): Malençon & Bertault (1960b, 1975).

-*Hygrophorus pseudodiscoideus* (Maire) Malençon & Bertault, (1975) = *H. eburneus* var. *pseudodiscoideus* Maire, (= *Hygrophorus pseudodiscoideus* (Maire) Malençon & Bertault); in cisteraies, wooded or not of *Quercus suber* (Akarrate, Chaouene & Tanakob): Malençon & Bertault (1975).

-*Hygrophorus purpurascens* (Alb. & Schwein.) Fr., (1838); in the Cedars, (LNS): Malençon & Bertault (1959c, 1975).

-*Hygrophorus reai* R. Maire, (1910), (= *Hygrophorus mucronella* (Fr.) P. Karst., 1879) (= *Hygrocybe reae* (Maire) J.E. Lange, 1923); under *Quercus pyrenaica* (Bab-Tariouentz & Jbel Khzana): Malençon & Bertault (1960b, 1975).

-*Hygrophorus russocoriaceus* Berk. & Jos.K. Mill., (1848), (= *Hygrocybe russocoriacea* (Berk. & T. K. Mill.) J.E. Lange, 1969); under *Quercus suber* (Dardara): Malençon & Bertault (1967, 1975).

Family: *Inocybaceae*

-*Crepidotus herbarum* (Peck.) Sacc., (1887), (= *Crepidotus epibryus* (Fr. : Fr.) Quélet., (1872); on dead leaves of *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1975).

-*Crepidotus luteolus* (Lambotte) Sacc., (1887); on twigs of *Salix* sp. (Azib of Ktama): Malençon & Bertault (1960b, 1975).

-*Crepidotus mollis* (Schäeff. ex Fr.) Kummer, (1871) (= *Crepidotus mollis* (J.C. Sch.: Fr.) S.F. Gray, 1821); on *Salix purpurea* & *S. pedicellata* (Talambote & Ktama): Malençon & Bertault (1960b, 1975).

-*Crepidotus mollis* var. *squamulosus* P. Couthino, 1991; on *Salix purpurea* & *S. pedicellata* (Talambote & Ktama): Malençon & Bertault (1975).

-*Crepidotus pubescens* Bres., (1930); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1959c).

-*Crepidotus variabilis* (Pers. ex Fr.) Kummer, s. Patouillard, Konard et Maublanc, Kühner, (1871), (= *Claudopus variabilis* (Pers.) Fr.), (= *Crepidotus variabilis* (Pers. : Fr.) S.F. Gray, 1821); on *Quercus* & *Salix* sp. (Chaouene, Bni-Dercul & Bab-Tariouentz): Malençon & Bertault (1959c, 1970b, 1975).

-*Inocybe asterospora* Quél., (1880); under *Quercus suber* (Akarrate near Chaouene): Malençon & Bertault (1967, 1970b).

-*Inocybe bongardii* (Weinm.) Quél., (1872), (= *Inocybe bongardii* var. *bongardii* (Weinm.) Quél., (1872); under *Pinus halepensis*, *Quercus pyrenaica* & *Q. suber*

(Chaouen, Bab-Tariouentz & Bni-Dercul): Malençon & Bertault (1959c, 1970b).

-*Inocybe cincinnatula* Kühner, (1955), (= *Inocybe cincinnatula* var. *cincinnatula* (Fr.) Quél., (1872); under the oaks (Akarrate): Malençon & Bertault (1961b, 1970b).

-*Inocybe decipientoides* Peck, (= *Inocybe curvipes* P. Karst., 1890); in the wasteland at *Cistus* (Bab-Taza): Malençon & Bertault (1961a, 1970b).

-*Inocybe dulcamara* (A. & S. ex Pers.) Quél., (1871), (= *Inocybe heimii* Bon, 1984); (LNS), (SNS): Malençon & Bertault (1969).

-*Inocybe eutheles* (Berk. & Br.) Quélet, (= *Inocybe sindonia* (Fr.) P. Karst., 1879), (= *Inocybe eutheles* (Berk. & Broome) Quél.); under *Quercus suber* & *Q. pyrenaica* (Akarrate & Bab-Berred): Malençon & Bertault (1959c, 1970b).

-*Inocybe fastigiata* (Schaeff. ex Fr.) Quélet, (1872), (= *Inocybe rimosa* (Bull.) P. Kumm., 1871), (= *Inocybe fastigiata* (Schaeff.: Fr.) Quél.); under *Quercus* sp. & *Pinus* sp. (Akarrate, Bni-Dercul): Malençon & Bertault (1961a, 1970b).

-*Inocybe friesii* R. Heim., (1931), (= *Inocybe nitidiuscula* Britzelm.) Lapl., (1895), (= *Inocybe friesii* f. *memorosa* R. Heim, 1931) ; under *Pinus*: Malençon & Bertault (1961a, 1970b).

-*Inocybe gausapata* Kühner, (1955), (= *Inocybe flocculosa* (Berk.) Sacc., 1887); under *Quercus suber* (Dardara): Malençon & Bertault (1967, 1970b).

-*Inocybe geophylla* (Sow. ex Fr.) Quélet, (1871) (= *Inocybe geophylla* var. *geophylla* (Sowerby) P. Kumm., 1871), (= *Inocybe geophylla* (Fr. : Fr.) P. Kumm.); under *Cedrus* sp., *Pinus* sp. & *Quercus* sp., (Akarrate, Bab Berred, Bab-er-Rouida, Bni-Hadifa, Chaouene, Issaguene, Talassentane) and under *Abies Pinsapo* (Jbel Tassaot): Malençon & Bertault (1960b, 1970b).

-*Inocybe geophylla* var. *lilacina* Gillet, (1876); (LNS), (SNS): Malençon & Bertault (1960b).

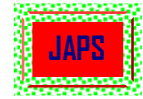
-*Inocybe godeyi* Gillet, (1874); (LNS), (SNS) : Malençon & Bertault (1960b).

-*Inocybe grammopodia* Malençon, (1970); under the cedars (Jbel Dahdoh near Ktama): Malençon & Bertault (1970b).

-*Inocybe griseovelata* Kühner, (1955); under *Pinus halepensis* (Bni-Dercul): Malençon & Bertault (1961a, 1970b).

-*Inocybe gymnocarpa* Kühner, (1955); (SNS), (LNS): Malençon & Bertault (1961a).

-*Inocybe hirtella* NCL. P., (1960), sensu Lange, (1938) (= *Inocybe muricellata* Bres., 1905); in woods of oak (Bni-Hadifa): Malençon & Bertault (1961a, 1970b).



-*Inocybe lacera* P. Kumm., (1871), (= *Inocybe lacera* var. *lacera* (Fr.) P. Kumm., 1871)

(= *Inocybe lacera* (Fr.) P. Kumm.); under *Quercus pyrenaica* (Bab-Berred): Malençon & Bertault (1970b).

-*Inocybe maculata* Boud, (1885); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1959c, 1970b).

-*Inocybe obscura* Pers. ex Fr., (= *Armillaria ostoyae* (Romagn.) Herink, 1973) (= *I. obscura* (Pers.) Gillet, 1874); under *Quercus suber* (Chaouene): Malençon & Bertault (1961a, 1970b).

-*Inocybe pudica* Kühner, (1947), (= *Inocybe whitei* (Berk. & Brome) Sacc., 1887); among the dead leaves of *Quercus pyrenaica* (Daya Khzana & Bab Berred): Malençon & Bertault (1959c, 1970b).

-*Inocybe pyriodora* (Pers. ex Fr.) Quélet., (= *Inocybe fraudans* (Britzelm.) Sacc., 1887); under *Quercus suber* & *Q. rotundifolia* (Dardara), (LNS), (SNS): Malençon & Bertault, (1967, 1970b).

-*Inocybe queletii* Maire & Konrad, (1927), (= *Inocybe queletii* Konrad); under the cedars (Ktama): Malençon & Bertault (1960b, 1970b).

-*Inocybe scabelliformis* Malençon, (1970), (= *Inocybe scabelliformis* Malençon & Bertault); under the cedars (Jbel Dahdoh): Malençon & Bertault (1970b).

-*Inocybe tristis* Malençon & Bertault, (= *Inocybe georgii* Bon et Contu 1993) ; in cedar (Ktama), (SNS): Malençon & Bertault (1970b).

-*Naucoria carpophila* (Fr.) Quél., (1872), (= *Flammulaster carpophilus* var. *carpophilus* (Fr. Earle, 1909); on *Quercus rotundifolia*, *Q. faginea* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1970b).

-*Naucoria carpophiloides* Kühner, (1957), (= *Flammulaster carpophilus* var. *carpophilus* (Fr.) Earle, 1909); on decaying leaves of *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1960b, 1970b).

-*Naucoria centunculus* (Fr.) P. Kumm., (1871), (= *Simocybe centunculus* var. *centunculus* (Fr.) P. Karst., 1879), (= *Simocybe tetraspora* (Contu) P.-A. Moreau & Contu); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1967, 1970b).

-*Naucoria conspersa* (Pers.) P. Kumm., (1871), (= *Tubaria conspersa* (Pers.) Fayod, 1889); on variety plant debris, (LNS), (SNS): Malençon & Bertault (1970b).

-*Naucoria erinaceus* (Fr.) Gillet, (1876), (= *Phaeomarasmium aridus* (Fr.) Scherff. ex Romagn., 1937); on *Alnus glutinosa*, *Cistus laurifolius*, *Quercus suber* & *Salix pedicellata* (Issaguene, Dardara, Jbel

Khzana & Jbel Dahdoh): Malençon & Bertault (1970b).

-*Naucoria escharioides* (Fr.) P. Kumm., (1871), (= *Alnicola subconspersa* (P.D. Orton) Bon 1979); under the *Alnus*, *Salix*, and among the Osmonde (Jbel Khzana), (SNS), (LNS): Malençon & Bertault (1961a, 1970b).

-*Naucoria pellucida* Murrill, (1912); on variety plant debris, (LNS), (SNS): Malençon & Bertault (1970b).

-*Naucoria phaea* Maire, (1937), (= *Naucoria scolecina* (Fr.) Quél., 1875), (= *Alnicola umbrina* (Maire) Kühner); under *Alnus glutinosa* (Khzana), (LNS): Malençon & Bertault (1960b, 1970b).

-*Naucoria rimulincola* (Rabenh.) Sacc., (1887), (= *Galera horizontalis* Quélet, *Naucoria bresadola*, *Naucoria horizontalis* Fries, C. Rea, P, D. Orton & Hora, nec Ricken (= *Phaeomarasmium rimulincola* (Rabenh.) Scherffel); on *Quercus pyrenaica* & *Q. suber* (Bab-Tariouentz & Dardara): Malençon & Bertault (1967, 1970b).

-*Pellidiscus pallidus* (Berk. & Broome) Donk, (1959); on leaves of *Arbutus unedo*, (LNS): Malençon & Bertault (1967).

-*Tubaria pellucida* (Bull.) Sacc., (1887), sensu auct., non Fr., (= *Tubaria romagnesiana* Arnolds, 1982); (LNS), (SNS), Malençon & Bertault (1959c).

Family: Lyophyllaceae

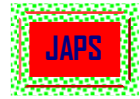
-*Lyophyllum aggregatum* var. *loricatum* (Fr.) Kühner & Romagnesi, (1953), (= *Tricholoma loricatum* Gillet, 1874), (= *Lyophyllum loricatum* (Fr.) Kühner, 1938) ; under the cedars (Bab-Bessene), (LNS), (SNS): Malençon & Bertault (1960b, 1975).

-*Lyophyllum aggregatum* var. *typicum* Kühner & Romagn., (1953), (= *Lyophyllum decastes* (Fr.: Fr.) Singer, 1951); Dardara, Bni-Dercul & in a cave of Jbel Bouhala, (SNS): Malençon & Bertault (1975).

-*Lyophyllum atratum* (Fr.) Singer, (1943), (= *Tephroclybe atrata* (Fr.) Donk, 1962); (LNS), (SNS): Malençon & Bertault (1959c).

-*Lyophyllum (Calocybe) fallax* (Peck) Kühner & Romagnesi, (1953), (= *Calocybe naucoria* (Murrill) Singer, 1943), (= *Lyophyllum fallax* (Peck) Kühner & Romagnesi ex Contu 1998); under *Cistus* sp., in a stand of *Quercus pyrenaica* (Jbel Khzana): Malençon & Bertault (1970a, 1970b).

-*Lyophyllum fumosum* Rea, (1922), (= *Lyophyllum fumosum* (Pers.) P.D. Orton, 1960); (LNS), (SNS): Malençon & Bertault (1960b).



-*Lyophyllum infumatum* (Bers.) Kühner, (1938); under the cedars (Ketama), (SNS): Malençon & Bertault (1959, 1975).

-*Lyophyllum loricatum* (Fr.) Kühner, (1938); (LNS), (SNS): Malençon & Bertault (1960b).

-*Lyophyllum (Calocybe) onychinum* (Fr.) Kühner-Romagnesi, (1953), (= *Calocybe onychina* (Fr.) Donk, 1962) (= *Lyophyllum onychinum* (Fr.) Kühner & Romagnesi ex Contu); under *Cedrus* & *Pinus pinaster* (Issaguene & Ktama): Malençon & Bertault (1975).

-*Lyophyllum semitale* (Fr.) Kühner, (1938); in the wasteland burned & *Cedrus* (Bab-Taza, Issaguene & Ktama), (SNS): Malençon & Bertault (1959c, 1975).

-*Lyophyllum (Tephrocycbe) striaepileum* (Fr.) ss J. Lange, Kühner & Romagn., (1953), *Omphalia* Gillet, 1874, *Collybia (Tephrophana)* P.D. Orton, 1960, *Tephrocycbe* Donk, 1962, (= *Lyophyllum striaepileum* (Fr.) Kalamees, 1994); under *Quercus faginea* (Bab-Berred): Malençon & Bertault (1959c, 1975).

-*Lyophyllum trigonosporum* (Bres.) Kühner, (1938) (= *Lyophyllum transforme* (Britzelm.) Singer, 1943); among the *Erica arborea* & *Lavandula stoechas* (Dardara): Malençon & Bertault (1969, 1975).

Family: Marasmiaceae

-*Henningsomyces puber* (Rommell ex W.B. Cooke) D.A. Reid, (1964); on *Quercus suber*, (LNS): Malençon & Bertault (1967).

-*Macrocyttidia cucumis* f *minor* Josserand, (1934), (= *Macrocyttidia cucumis* f *minor* (Joss.) Contu, 2000) ; under *Abies pinsapo* & *Cedrus* (Jbel Tassaote & Jbel Dahdoh): Malençon & Bertault (1975).

-*Marasmius acicola* Berk. & M. A. Curtis, (1860) (= *Marasmius acicola* **Romagn.**, 1952); on needles of *Pinus pinaster*, (LNS): Malençon & Bertault (1960b).

-*Marasmius androsaceus* (L.)Fr., (1838), (= *Gymnopus androsaceus* (L. : Fr.) L.J. Mata & R.H. Petersen); on needles of *Pinus pinaster*, (LNS): Malençon & Bertault (1960b).

-*Marasmius bresadolae* Kühner & Romagn., (1953), (= *Gymnopus erythropus* (Pers.: Fr.) Antonin, Halling & Noordel.); on strains of *Quercus pyrenaica* (Bab Tariouentz): Malençon & Bertault (1959c, 1975).

-*Marasmius corbariensis* (**Roum.**) Singer, (1951); *Agaricus androsaceus* var. *hygrometricus* Briganti 1848 = *Marasmius hygrometricus* (V. Brig.) Saccardo 1887 = *Agaricus androsaceus* var. *olivetorum* Mont. & Frics, 1836 = *Marasmius bresadola* = *Marasmius olea* Quélet 1885 *Androsaceus Patouillard* 1887 ; on fallen leaves of *Olea europaea* (Bni-Dercul): Malençon & Bertault (1975).

-*Marasmius chordalis* Fr., (1838) = *M. undatus* (Berk.) Fr., (1838) (= *Rhizomarasmius undatus* (Berk.) R.H. Petersen); among *Eupteris aquilina*, either in cedar or under *Betula*, *Quercus faginea* & *Q. pyrenaica* (Jbel Dahdoh, Azib-of-Ktama, Tafira & Bab-Tariouentz): Malençon & Bertault (1959c, 1975).

-*Marasmius dryophilus* (Bull.) P. Karst., (1889), (= *Gymnopus dryophilus* (Bull.: Fr.) Murrill, 1916) ; Malençon & Bertault (1959c).

-*Marasmius epiphyllodes* (Rea) Saccardo & Trotter, (1925); *Androsaceus rea*, 1911 = *Androsaceus hederæ* Kühner 1925, *Marasmius J. Favre* 1931(= *Marasmius epiphyllodes* (Rea) Saccardo & Trott.); on dead leaves of ivy: *Hedera helix* (Bni-Dercul & Talassentane): Malençon & Bertault (1960b, 1975).

-*Marasmius epiphyllus* (Pers.) Fr., (1838), (= *Marasmius epiphyllus* (Pers. : Fr.) Fr.); on phylloides or dead leaves of *Betula alba*, *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica* & *Q. suber* (Bab-er-Rouida, Bab-Tariouentz, Bni-Hadifa, Jbel Khzana, Jbel Tassaote & Ktama): Malençon & Bertault (1959c, 1975).

-*Marasmius foetidus* (Sowerby) Fr., (1838), (= *Micromphale foetidum* (Sowerby) Singer [as 'foetida'], 1951); (LNS), (SNS): Malençon & Bertault (1960b).

-*Marasmius fuscopurpureus* (Pers.) Fr., (1838), (= *Gymnopus fuscopurpureus* (Pers.) Antonin, Halling et Noordel., 1997); under *Quercus pyrenaica* (Bab Tariouentz): Malençon & Bertault (1961b, 1975).

-*Marasmius hybridus* Kühner & Romagnesi, (1952); in oak and mixed oak of *Pinus pinaster* (Issaguene): Malençon & Bertault (1960b, 1975).

-*Marasmius hydsonii* (Pers. ex Fr.) Fries, (1838); on leaves of *Ilex aquifolium*, (LNS), (SNS), Malençon & Bertault (1959c).

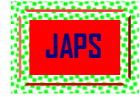
-*Marasmius hygrometricus* (V. Brig.) Sacc., (1887); on leaves of *Olea europea*, (LNS), (SNS): Malençon & Bertault (1960b).

-*Marasmius impudicus* Fr. s. Kühner & M. Josserand, non Konard & Maublanc, (1838), (= *Gymnopus impudicus* (Fr.) Antonin, Halling et Noordel., 1997), (Chaouen & Akarrate), (SNS): Malençon & Bertault (1975).

-*Marasmius obscurus* (Berk.), 1856, (= *Marasmius obscurus* J. Favre); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1975).

-*Marasmius oreades* (**Bolton**) Fr., 1836; in 2004 in the forest of Gourougou.

-*Marasmius prasiomus* Fr., (1838), (= *Mycetinis querceus* (Britzelm.) Antonin & Noordel.); among the dead leaves of *Quercus rotundifolia* (Issaguene): Malençon & Bertault (1959c, 1975).



-*Marasmius splachnoides* Fr., (= *Marasmius quercophilus* Pouzar, 1982), (= *Gymnopus quercophilus* (Pouzar) Antonin & Noordel.); on dead leaves of *Arbutus unedo*, *Myrtus communis*, *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber* (Chaouene, Bni-Dercul, Bab-Tariouentz, Bni-Hadifa, Jbel Dahdoh & Issaguene): Malençon & Bertault (1959c, 1975).

-*Marasmius terginus* (Fr.) Sacc., (1887), (= *Gymnopus terginus* (Fr.) Antonin & Noordel. In Antonin, Halling & Noordeloos, 1997); in oak of *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica* & *Q. suber* (Bab-er-Rouida & Bab-Tariouentz): Malençon & Bertault (1960b, 1975).

-*Marasmius oreades* (Bolton) Fr., (1836); in the forest of Gourougou.

-*Omphalotus olearius* (DC.) Singer, (1946), auct. Brit., (= *Omphalotus illudens* (Schwein) Sacc., (1979); on *Acacia cyanophylla*, *Chamaerops humilis*, *Cistus* sp., *Eucalyptus diversicolor*, *Eucalyptus* sp., *Juniperus phoenicea*, *Lavandula stoechas*, *Myoporum*, *Olea europaea*, *Phillyrea angustifolia*. Media, *Pinus*, *Prunus* sp. & *Quercus suber* (Al hoccima & Jbel Outka): Malençon & Bertault (1975).

Family: Mycenaceae

-*Mycena acicula* (Schaeff.) P. Kumm., (1871) (= *Mycena acicula* (Schaeff.: Fr.) P. Kumm.); under *Quercus faginea* & *Q. pyrenaica*, on debris of *Pinus pinaster*, (Talassentane & Bab-Tariouentz): Malençon & Bertault (1960b, 1967, 1975).

-*Mycena alba* (Bres.) Kühner, (1938); on *Quercus faginea*, (LNS): Malençon & Bertault (1960b).

-*Mycena alcalina* (Fr.) P. Kumm., **sensu Rea**, (1922) (= *Mycena maculata* P. Karst., 1890), **sensu auct. p.p.**, (= *Mycena stipata* Maas Geest. & Schwöbel.), **sensu auct. p.p. syn.**, (= *Mycena silvae-nigrae* Maas Geest. & Schwöbel, 1987); on debris of *Pinus pinaster* (Issaguene near Ktama): Malençon & Bertault (1975).

-*Mycena algeriensis* Maire, (1938); on *Quercus pyrenaica* & *Q. rotundifolia* (Bab-Tariouentz, Jbel Khzana, Bni-Dercul & Issaguene): Malençon & Bertault (1959c, 1975).

-*Mycena amicta* (Fr.) Quél., (1872) = *Mycena iris* (Brek.) Quélet, (= *Mycena amicata* (Fr.) Quél., 1872); on *A. pinsapo* & *Pinus pinaster* (Jbel Tasaote & Issaguene near Ktama): Malençon & Bertault (1959c, 1975).

-*Mycena atromarginata* (Lasch) P. Kumm., (1871), (= *Mycena atromarginata* (Lasch) P. Kumm., s. Kühner.); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1961a, 1975).

-*Mycena capillaris* P. Karst., (1905), (Schumach.) P. Kumm., (1871), (= *Mycena bertaultiana* G. Moreno & Heykoop, 2000); on decaying leaves of *Quercus faginea* (Bab-er-Rouida): Malençon & Bertault (1975).

-*Mycena carneofusca* Malençon & Bertault ex Robich, (2009); on dead twigs of *Quercus suber* (Issaguene near Ktama): Malençon & Bertault (1975).

-*Mycena cinerella* Karsten, (= *Mycena cinerella* (P. Karst.) P. Karst., 1879); in cedar and under *Quercus suber* (Azib de Ktama & Chaouene): Malençon & Bertault (1960b, 1975).

-*Mycena citrino-marginata* Gillet, (1876); (LNS), (SNS): Malençon & Bertault (1959c).

-*Mycena corticola* (Pers.) Gray, (1821), NCL (1960), sensu Kühner (1938), sensu auct. Mult., (= *Mycena meliigena* (Berk. et Cooke) Sacc., 1887); on living trunks & mossy of *Alnus glutinosa*, *Cedrus*, *Cupressus lambertiana*, *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica*, *Q. suber*, *Rhamnus frangula* & *Salix* sp. (Bab-er-Rouida & Jbel Khzana): Malençon & Bertault (1960b, 1975).

-*Mycena elegans* (Pers.) P. Kumm., **sensu Rea**, (1922), **A.A. Pearson, auct. mult.**,

(= *Mycena aurantiomarginata* (Fr.) Quél., (1986); under *Quercus rotundifolia* & *Q. pyrenaica*, pure or mixed of *Pinus* (LNS): Malençon & Bertault (1959c, 1975).

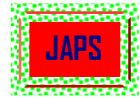
-*Mycena epipterygia* (Scop.) Gray, (1821), (= *Mycena epipterygia* var. *epipterygia* (Scop.) Gray, (1821) (= *Mycena epipterygia* (Scop.: Fr.) Gray.); on debris of *Eupteris aquilina* (Azib of Ktama, Jbel Khzana & Tafira): Malençon & Bertault (1959c, 1975).

-*Mycena epipterygia* var. *atroviscosa* G. Malençon, (1989), (= *Mycena epipterygia* var. *atroviscosa* Malençon ex Maas Geest., 1989); at the base of trunks of cedar and *Pinus pinaster*, or grafted on woody debris buried in their immediate vicinity (Issaguene & Jbel Dahdoh): Malençon & Bertault (1961a, 1975).

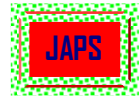
-*Mycena falvoalba* (Fr.) Quél., 1872 (= *Mycena falvoalba* (Fr.) Quél., *Hemimycena* Singer, 1938, *Marasmiellus* Singer 1951; under *Quercus pyrenaica* (Bab-Berred): Malençon & Bertault (1975).

-*Mycena filopes* (Bull.) P. Kumm., (1871) (= *Mycena filopes* (Bull.: Fr.) P. Kumm.); under *Quercus pyrenaica* (Jbel Khzana & Bab-Tariouentz): Malençon & Bertault (1960b, 1975).

-*Mycena flavipes* Quél., (1873), (= *Mycena renati* Quél., 1886), (**Sibth.**) Gray, (1821),



- (= *Mycena epipterygia* (Scop.) Gray, 1821); on *Quercus faginea* (Bab-er-Rouida): Malençon & Bertault (1960b, 1975).
- Mycena floccipes* (Fr.) Kühner, (1938), (= *Hydropus floccipe* (Fr.) Singer, 1962); on stumps and debris of *Quercus suber* (Akarrate & Chaouene): Malençon & Bertault (1960b, 1975).
- Mycena galopus* (Pers.) P. Kumm., (1871), (= *Mycena galopus* var. *galopus* (Pers.) Quél., 1871), (= *Mycena galopus* (Pers.: Fr.) P. Kumm.); in the oak among dead leaves or sometimes grafted on twigs (*Rubus*), (LNS), (SNS): Malençon & Bertault (1975).
- Mycena galopus* var. *nigra* Rea, (1922), (= *Mycena leucogala* (Cooke) Sacc., 1887); (Jbel Khsana), (SNS): Malençon & Bertault (1960b, 1975).
- Mycena haematopus* (Pers.) P. Kumm., (1871) (= *Mycena haematopus* (Pers.: Fr.) P. Kumm.), on *Quercus faginea* & *Q. pyrenaica* (Baber-Rouida & Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Mycena inclinata* (Fr.) Quél., (1872), (= *Mycena inclinata* (Fr.) Quél.); on trunks and stumps of *Quercus faginea* & *Q. pyrenaica*, rare on *Q. rotundifolia* (Bab-Tariouentz & Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Mycena lactea* (Pers.) P. Kumm., (1871), (= *Hymimycena lactea* (Pers.: Fr.) Singer, 1938); under *Pinus clusiana*, *P. halepensis* and on dead leaves of *Cedrus* sp. (Jbel Tissouka, Bni-Dercul & Dardara): Malençon & Bertault (1959c, 1975).
- Mycena leptoccephala* (Pers.) Gillet, (1876); under *Pinus halepensis*, *P. pinaster*, *Quercus pyrenaica* & *Quercus* sp., (LNS): Malençon & Bertault (1960b, 1975).
- Mycena maculata* P. Karst., (1890); on *Quercus Pyrenaica* and on cedar (Bab-Tariouentz & Jbel Dahdoh near Ktama): Malençon & Bertault (1959c, 1975).
- Mycena mucor* (Batsch) Quél., (1875) (= *Mycena mucor* (Batsch : Fr.) Gillet) on leaves of *Quercus faginea* & *Q. pyrenaica* (Bab-er-Rouida, Bab-Tariouentz & Jbel Khzana): Malençon & Bertault (1960, 1975).
- Mycena niveipes* (Murrill) Murrill, (1916); on *Quercus suber* (Chaouene): Malençon & Bertault (1969, 1975).
- Mycena olida* Bres., (1887); on *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica* & *Q. suber* (Bab-Tariouentz, Chaouene & Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Mycena oortiana* Hora, (1960), (= *M. arcangeliana* s. Orton non Bres., 1904); in a forest dominated by *Quercus faginea* (Bab-er-Rouida): Malençon & Bertault (1975).
- Mycena pelianthina* (Fr.) Quél., (1872), (= *Mycena pelianthina* (Fr.) Quél.); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1960b, 1975).
- Mycena praecox* Velen., (1920), (= *Mycena abramsii* (Murrill) Murrill, 1916); (LNS), (SNS): Malençon & Bertault (1960b).
- Mycena polygramma* (Bull.) Gray, (1821) (= *Mycena polygramma* (Bull.: Fr.) Gray); on *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1961a, 1975).
- Mycena pseudocorticola* Kühner, (1938); on bark of *Alnus glutinosa* & of *Salix* sp., (Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Mycena pura* (Pers.) P. Kumm., (1871), (= *Mycena pura* (Pers.: Fr.) P. Kummer) under *Cedrus*, *Pinus* and especially *Quercus*, (LNS), (SNS): Malençon & Bertault (1959c, 1975).
- Mycena pura* f. *alba* (Gillet) Arnolds, (1982), (= *Mycena pura* (Bers.) Sacc., 1871), (= *Mycena pura* f. *alba* (Gillet) Kühner) (LNS), (SNS): Malençon & Bertault (1960b).
- Mycena quercus-ilicis* Kühner, (1938); on *Quercus rotundifolia* (Jbel Tissouka): Malençon & Bertault (1959c, 1975).
- Mycena rosella* (Fr.) P. Kumm.**, (1871); in 2004 in the forest of Tizirène.
- Mycena salicina* Velenovsky, (1920), (= *Mycenella salicina* (velen.) Singer, 1951); under *Pinus halepensis* (Marabout Sidi-bou-Hassan of Bni Dercul): Malençon & Bertault (1975).
- Mycena sanguinolenta* (Alb. & Schwein.) P. Kumm., (1871) (= *Mycena sanguinolenta* (Alb. & Schwein.: Fr.) P. Kumm.); under the oaks and the pines (LNS), (SNS): Malençon & Bertault (1959c, 1975).
- Mycena seynsiella* Malençon, (1975); on *Abies pinsapo* & *Cedrus* (Jbel Tasaote., Jbel Tissouka & Ktama): Malençon & Bertault (1975).
- Mycena seynii* Quél., (1877), (= *Mycena seynii* Quél.); on cones of *Pinus halepensis*, *P. radiata*, *P. pinaster* & *P. pinea* (Issaguene near Ktama, Marabout of Sidi-bou-Hassan of Bni-Dercul): Malençon & Bertault (1959c, 1975).
- Mycena swartzii* (Fr.) A.H. Smith, (1947), (= *Rickenella swartzii* (Fr. : Fr.) Kuyper, 1983), *Agaricus Fries* 1815, *Omphalia* Quélet 1885 = *Agaricus* (*Omphalia*) « *Schwartzii* » (Fr.) Patouillard 1886 = *Agaricus fibus* var. *Swartzii* (Fr.) Fries 1821, *Omphalia* Karsten 1879, *Omphalia* Quélet 1886, *Mycena* Kühner 1938 = *Agaricus setipes* var. *acrocryanea* Fries 1821 = *Omphalia setipes* (Fr.) Quélet 1872, *Hemimycena* Singer 1943, *Marasmiellus* Singer 1951, *Gerronema* Singer 1951,



Gerronema Singer 1962; under the oaks (Bab-er-Rouida, Dardara), (SNS): Malençon & Bertault (1975).

-*Mycena venustula* Quél., (1883); pale form (= *Mycena venustula* Quél.), on a trunk of *Quercus faginea* (Bab-er-Rouida near Chaouene): Malençon & Bertault (1961a, 1975).

-*Mycena viscosa* Sect. ex Maire, (1910), (= *Mycena epipterygia* var. *epipterygia* (Scop.) Grey, 1821); (LNS), (SNS): Malençon & Bertault (1959c).

-*Mycena vitrea* (Fr.) Quél., (1872) (= *Mycena filopes* (Bull.: Fr.) P. Kumm.); on *Betula*, *Ilex*, *Salix*, at the edge of a brook cashed in cedar mixed (Liano Amarillo near Ktama), (SNS): Malençon & Bertault (1975).

-*Mycena vulgaris* (Pers.) P. Kumm., (1871) (= *Mycena vulgaris* (Pers.: Fr.) P. Kumm.); in the cedar (LNS), (SNS): Malençon & Bertault (1959c, 1975).

-*Panellus mitis* (Pers.) Singer, (1936), (= *Panellus mitis* (Pers.: Fr.) Singer); on fallen branches of Cedar, (LNS), (SNS): Malençon & Bertault (1959c, 1975).

-*Panellus stipticus* (Bull.) P. Karst., (1879); on *Quercus faginea* (Bab-er-Rouida): Malençon & Bertault (1960b, 1975).

-*Panellus violaceo-fulvus* (Batsch) Singer, (1936), (= *Panellus violaceo-fulvus* (Batsch: Fr.) Singer, 1936); on fallen branches of cedar and on *Abies pinsapo*. (Talassentane): Malençon & Bertault (1959c, 1975).

-*Xeromphalina campanella* (Batsch ex Fr.) Maire, (1934), (= *Xeromphalina campanella* (Batsch) Maire); on dead trunks of cedar, (LNS), (SNS): Malençon & Bertault (1959c, 1975).

-*Xeromphalina fellea* Maire & Malençon, (1945), (= *Xeromphalina caudicinalis* (Fr.) Kühner & Maire var. *caudicinalis*); on twigs and wood splinters of cedar or among the needles of *Pinus pinaster*, (LNS): Malençon & Bertault (1961b, 1975).

-*Xeromphalina fulvobulbosa* (R.E. Fr.) Kühner & Romagn., (1937), (= *Xeromphalina caudicinalis* (With.) Kühner & Maire, 1934); on debris of cedar, (LNS), (SNS): Malençon & Bertault (1959c).

Family: *Physalacriaceae*

-*Armillaria mellea* (Vahl ex Fr.) Kummer, (1871), (= *Armillaria mellea* (Vahl) P. Kummer, 1871); on *Abies pinsapo*, *Acacia*, *Amygdalus*, *Cedrus*, *Cydonia*, *Fraxinus*, *Pinus*, *Prunus domestica*, *Quercus faginea*, *Q. rotundifolia*,

Q. pyrenaica & *Q. suber*, (LNS): Malençon & Bertault (1970b).

-*Armillaria tabescens* (Scop.) Emel, (1921); on *Cistus monspeliensis* (Dardara near Chaouene): Malençon & Bertault (1970b).

-*Flammulina velutipes* (Curtis) Singer, (1951); at the base of shrubs of *Cytisus battandieri* (Bab-Bessene, Ktama, Jbel Tassaote): Malençon & Bertault (1975).

-*Oudemansiella badia* (Lucand) M.M. Moser, (1955), (= *Xerula pudens* (Pers.) Singer, 1951); under *Abies pinsapo* (Jbel Arhroud, Jbel Tassaote & Talassentane): Malençon & Bertault (1975).

-*Oudemansiella radicata* (Relhan) Singer, (1936), (= *Xerula radicata* (Relhan: Fr.) Döfel, 1975); under *Abies pinsapo*, (LNS): Malençon & Bertault (1975).

Family: *Pleurotaceae*

-*Hohenbuehelia atrocaerulea* (Fr.) Singer, (1951), (*Pleurotus* Kummer 1871, *Calathinus* Quélet 1888, *Acanthocyttis* Konard & Maublanc 1948 = *Geopetalum* (*Acanthocyttis*) *algidum* f. *atrocaeruleum* Kühner & Romagnesi, 1953 (= *Hohenbuehelia atrocaerulea* (Fr.: Fr.) Singer); on *Salix* sp. (Jbel Khzana): Malençon & Bertault (1975).

-*Hohenbuehelia chevallieri* (Pat.) Pegler, (1966), (= *Pleurotus chevallieri* Patouillard, (1897) = *Acanthocyttis* R. Maire, 1937; on dead limb indeterminate (Chaouene), (SNS): Malençon & Bertault (1975).

-*Hohenbuehelia geogenia* (DC.) Singer, (1951), (= *Hohenbuehelia petaloides* var. *petaloides* (Bull.) Schulzer, 1866); under *Quercus rotundifolia* & *Q. suber* (Bab-errouida, Bni-Hadifa & Jbel Tassaote): Malençon & Bertault (1975).

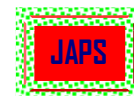
-*Pleurotus dryinus* var. *ferulae* Lanzi, (1878); in the wasteland, herbal places and open forests, (LNS), (SNS): Malençon & Bertault (1975).

-*Pleurotus opuntiae* (Durieu & lév.) Sacc., (1887), (= *Pleurotus ostreatus* (Jacq.) Quél., 1871); on *Opuntia ficus-indica*, *Agave americana*, *Ficus carica*, *Morus alba* & *Pelargonium* sp., (Chaouene), Malençon & Bertault (1959c, 1975).

Family: *Pluteaceae*

-*Pluteus cervinus* (Schaeff) P. Kumm., (1871), (= *Pluteus cervinus* var. *cervinus* 1871) (= *Pluteus salicinus* (Pers.: Fr.) P. Kumm.); (LNS), (SNS): Malençon & Bertault (1960b).

-*Pluteus lutescens* (Fr.) Bres., (1929), (= *Pluteus romellii* (Britzelm.) Sacc., (1895); on *Quercus faginea*, *Q. suber*, *Betula alba* & *Salix pedicellata* (Bab-er-Rouida, Akarrate, Jbel Dahdoh & Ktama): Malençon & Bertault (1959c, 1970b).



-*Pluteus villosus* (Bull.) Quél., (1888) (= *Pluteus ephebeus* (Fr.: Fr.) Gillet); on *Salix* sp. (Bab-Tariouentz): Malençon & Bertault (1961b, 1970b).

Family: Psathyrellaceae

-*Drosophila ammophila* (Durieu & Lév.) Kühner & Romagn., (1953), (= *Psathyrella ammophila* (Durieu & Lév.) P. D. Orton, 1960); (LNS), (SNS): Malençon & Bertault (1961b).

-*Drosophila appendiculata* (Bull.) Quél., (1886), (= *Psathyrella piluliformis* (Bull. : Fr.) P.D. Orton, 1969); at the base of trunks of *Quercus faginea*, *Q. rotundifolia* & *Q. pyrenaica* (Bab-Tariouentz, Tafira & Bab-er-Rouida): Malençon & Bertault (1961a, 1970b).

-*Drosophila bipellis* (Quél.) Quél., (1888), (= *Psathyrella bipellis* (Quél.) A. H. Sm., 1946); under *Cedrus* (Ktama), (SNS): Malençon & Bertault (1959c, 1970b).

-*Drosophila candolleana* (Fr.) Quél., (1886), (= *Psathyrella candolleana* (Fr.) Maire, 1913); *Quercus* wood, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).

-*Drosophila ochracea* Romagnesi, (1952) (= *Psathyrella ochracea* (Romagn.) Kits v. Wav. 1976); under *Eupteris aquilina* (Talassentane): Malençon & Bertault (1961b, 1970b).

-*Drosophila spadicea* (Schaeff.) Quél., (1886), (= *Psathyrella spadicea* (Schaeff.) Singer, 1951); on *Abies pinsapo* (Talassentane & Jbel Tasaote): Malençon & Bertault (1959c, 1970b).

-*Drosophila subatrata* (Batsch) Quél., (1886), (= *Psathyrella conopilus* (Fr.: Fr.) A. Pearson & Dennis, 1948); under *Quercus rotundifolia*, *Q. suber*, *Cedrus* & *Pinus pinaster* (Jbel Tissouka): Malençon & Bertault (1961a, 1970b).

-*Psathyrella subatrata* (Batsch) Gillet, (1878), (= *Psathyrella conopilus* (Fr.) A. Pearson & Dennis, 1949); (LNS), (SNS): Malençon & Bertault (1959c).

Family: Schizophyllaceae

-*Schizophyllum commune* Fr., (1815); under *Quercus suber* (L.), *Q. faginea* Lamk, *Abies pinsapo*, *Cedrus*, *Betula alba*, *Salix pedicellata*, *Morus alba*, *Ilex aquifolium*, *Nerium oleander*, very common in the Rif (LNS): Maire & Werner (1937), Malençon & Bertault (1959c, 1975).

Family: Strophariaceae

-*Agrocybe aegerita* (V. Brig.) Singer, (1951) (= *Agrocybe cylindracea* (DC : Fr.) Maire); on *Melia azedarach* vel *Morus*; (LNS): Malençon & Bertault (1960b, 1970b).

-*Agrocybe pediades* (Fr.) Fayod, (1889) (= *Agrocybe splendidoides* Migliozi & Coccia, 1993); (Ktama, Issaguene), (SNS): Malençon & Bertault (1959c, 1970b).

-*Agrocybe praecox* (Pers. ex Fr.) Fayod (1889) (= *Agrocybe praecox* (Pers. : Fr.) Fayod); under *Pinus pinaster* (Issaguene): Malençon & Bertault (1970b).

-*Dryophila adiposa* (Fr.) Quélet, (1886), (= *Pholiota adiposa* (Batsch) Quél., (1871), (= *Pholiota* aff. *Jabnii* Tjall.-Beuk. & Bas, 1986); on Cedar (near Ktama), (SNS): Malençon & Bertault (1961b, 1970b).

-*Dryophila albocrenulata* Peck, (1873), (= *Pholiota albocrenulata* (Peck) Sacc., 1887), (= *Hemistropharia albocrenulata* (Peck) Jacobsson & E. Larss., 2007); on a dead trunk, probably of *Abies pinsapo* (Bab-er-Rouida): Malençon & Bertault (1970b).

-*Dryophila aurivella* (Batsch) Quélet, (1868), (= *Pholiota aurivella* (Batsch) Fr., 1871), (= *Pholiota adiposa* (Batsch: Fr.) P. Kumm., 1871); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).

-*Dryophila graminis* Quél., (1887), (= *Pholiota comissans* (Fr.) M. M. Moser, 1986); on plant debris at the edge of a pond (Bab-Tariouentz), (SNS): Malençon & Bertault (1961b, 1970b).

-*Dryophila gummosa* (Lasch) Quél., (1886), (= *Pholiota gummosa* (Lasch: Fr.) Singer, 1951); under *Cedrus*, *Quercus faginea* & *Q. pyrenaica* (Bab-Bessene, Bab-er-Rouida, Bab-Tariouentz, Jbel Khzana, Jbel Tasaote & Azib-of-Ktama): Malençon & Bertault (1959c, 1970b).

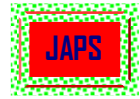
-*Dryophila lenta* (Pers.) Quél., (1886), (= *Pholiota lenta* (Pers.) Singer, 1951), (= *Pholiota highlandensis* var. *citrinosquamulosa* Maire ex Bidaud & Borgarino, 2006); humid ravines in cedar (Jbel Dahdoh), (SNS): Malençon & Bertault (1959c, 1970b).

-*Galeria badipes* (Pers.) Ricken, (1915), (= *Galerina badipes* (Fr.) Kühner, (1935),

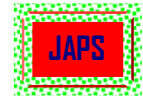
(= *Galerina cedretorum* var. *bispora* A.H. Sm. & Singer, 1964); under *Abies pinsapo*, *Cedrus* & *Pinus pinaster*, on debris of *Pinus larico* (Talassentane, Jbel Tasaote, Jbel Tissouka, Azib-of-Ktama, Issaguene & Bni-Dercul): Malençon & Bertault (1959c, 1970b).

-*Galeria marginata* (Batsch) P. Kumm., (= *Galerina marginata* (Batsch) Kühner, 1935); under *Pinus clusiana*, *P. pinaster*, *Abies pinsapo* & *Cedrus* (Jbel Tissouka, Issaguene, Talassentane & Bab-Bessenc): Malençon & Bertault (1959c, 1970b).

-*Galeria subpubescens*, (LNS), (SNS): Malençon & Bertault (1960b, 1961b).



- Geophila aeruginosa* (Curtis) Quél., (1886), (= *Stropharia aeruginosa* (Curt.: Fr.) Quél., 1872), (= ***Clitocybe odora* (Bull.) P. Kumm.**, 1871); under *Pinus pinaster* (Issaguene): Malençon & Bertault (1970b).
- Geophila coprophila* (Bull.) Quélet, (= *Psilocybe coprophila* (Bull.: Fr.) Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1970b).
- Geophila crobula* (Fr.) Kühner & Romagn., (1953), (= *Psilocybe crobula* (Fr.) Singer, 1962); (LNS), (SNS): Malençon & Bertault (1960b).
- Geophila cyanescens* (Maire) Kühner & Romagn., (1953), (= *Psilocybe serbica* M.M. Moser & E. Horak, 1969); under *Abies pinsapo*, *Cedrus* sp., *Pinus pinaster* & *Quercus pyrenaica* (Ktama, Bab-Tariouentz, Bab-Bessenc, Bab-er-Rouida, Jbel Dahdoh, Issaguene, Jbel Khzana): Malençon & Bertault (1970b).
- Geophila ericaea* (Pers.) Quélet, (= *Hypholoma ericaeum* (Pers.: Fr.) Kühner, 1936); (Bab-Tariouentz & Daya de Tanakob), (SNS): Malençon & Bertault (1960b, 1970b).
- Geophila fascicularis* (Huds.) Quél., (1886), (= *Hypholoma fasciculare* (Huds.: Fr.) P. Kumm., 1871) [= *Psilocybe fascicularis* (Huds.: Fr.) Noordel.]; (LNS), (SNS): Malençon & Bertault (1959c).
- Geophila inquilina* (Fr.) Kühner & Romagn., (1953), (= *Psilocybe inquilina* (Fr.) Bres., (1931) (= *Psilocybe xeroderma* Huijism.); (Chaouene), (SNS): Malençon & Bertault (1959c, 1970b).
- Geophila merdaria* (Fr.) Quél., (1886), (= *Psilocybe moelleri* Guzman, 1978) (= *Psilocybe* cf. *merdicola* Huijism., 1961); (Jbel Khzana), (SNS): Malençon & Bertault (1960b, 1970b).
- Geophila semiglobata* (Batsch) Quél., (1886), (= *Stropharia dorsipora* Esteve-Rav. & Barrasa, 1995); (Jbel Arhroude, Jbel Khzana, Ktama), (SNS): Malençon & Bertault (1970b).
- Geophila squamosa* (Pers.) Quél., (1886), (= *Stropholoma squamosum* (Pers.: Fr.) Ryman, 2008); under *Quercus faginea* & *Q. pyrenaica* (Bab-er-Rouida, Bab-Tariouentz & Jbel khzana): Malençon & Bertault (1970b).
- Geophila sublateritia* (Schaeff.) Quél., (1886), (= *Hypholoma sublateritium* (Schaeff.) Quél., 1873) (= *Hypholoma lateritium* (Schaeff.: Fr.) P. Kumm., 1971); on *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1967, 1970b).
- Gymnopilus carbonarius* (Fr.) Murrill, (1912), (= ***Pholiota highlandensis* (Peck) A.H. Sm. & Hesler**, 1968); (LNS), (SNS): Malençon & Bertault (1959c).
- Gymnopilus penetrans* var. *hybridus* (Bull.) anon., (= *Gymnopilus penetrans* (Fr.) Murrill, 1912), (= *Gymnopilus penetrans* var. *hybridus* (Bull.) P. Roux & Guy Garcia, 2006); on *Pinus pinaster* & on *Cedrus* sp., (LNS): Malençon & Bertault (1959c).
- Gymnopilus sapineus* (Fr.) R. Maire, (1933) (= *Gymnopilus sapineus* (Fr.: Fr.) Maire); on *Cedrus* (Bab-Bessene): Malençon & Bertault (1960b, 1970b).
- Gymnopilus spectabilis* var. *juniona* (Fr.) J. Lange, (= *Gymnopilus spectabilis* f. *minor* Bon & P. Roux ad int); (LNS), (SNS): Malençon & Bertault (1961b).
- Gymnopilus suberis* (Maire) Singer, (1951); on the trunks gisants of *Quercus suber* (Dardara): Malençon & Bertault (1967, 1970b).
- Hebeloma anthracophilum* Maire, (1910), (= *Hebeloma anthracophilum* Maire, 1908) ; (Ktama); (SNS), Malençon & Bertault (1961a, 1970b).
- Hebeloma cistophilum* Maire, (1928); among Cistus and brushwood of the clear forests (Dardara, Bri-Hadifa), (SNS): Malençon & Bertault (1961a, 1970b).
- Hebeloma crustuliniforme* (Bull.) Quél., (1872); in oak forests (Chaouene, Bab-er-Rouida, Jbel Khzana, Bab-Tariouentz), (SNS): Malençon & Bertault (1959c, 1970b).
- Hebeloma edurum* Métrod, (1946) (= *Hebeloma senescens* (Batsch) Sacc., 1887), (= ***Hebeloma laterinum* (Batsch) Vesterh.**, 2005); under the Pines & *Abies pinsapo* (Issaguene near Ktama & Oued Madissouka): Malençon & Bertault (1959c, 1970b).
- Hebeloma hiemale* Bres., (1892), **sensu auct.**, (= *Hebeloma fragilipes* Romagn., 1965) (= *Hebeloma aff. album* Peck, 1902); (Bab-Taza), (SNS): Malençon & Bertault (1961a, 1970b).
- Hebeloma mesophaeum* (Pers.) Fr., (1872), (= *Hebeloma mesophaeum* var. *mesophaeum* (Pers.) Fr., 1872) (= *Hebeloma mesophaeum* (Pers.) Quél., 1872); in oak forests, the cedar or pine pure or mixed, (LNS), (SNS): Malençon & Bertault (1959c, 1970b).
- Hebeloma pallidum* G. Malençon, (1970), (= *Hebeloma malenceonii* Bellù & Lanzoni, 1989); in mixed forests of *Cedrus*, *Pinus* & *Quercus* (Ktama), (SNS): Malençon & Bertault (1959c, 1970b).
- Hebeloma sinapizans* (Fr.) Sacc., (1887), (= *Hebeloma senescens* (Batsch) Berk. & Broome, 1882) (= *Hebeloma sinapizans* (Paulet) Gillet, 1874-1878); under the oaks pure, mixed forests of pine, cedar, holly and Cytises (Bab-er-Rouida, Bab-Tariouentz, Issaguene, Jbel Tasaote), (SNS): Malençon & Bertault (1961a, 1970b).



-*Hebeloma strophosum* (Fr.) Sacc. s. J. Lange (1887), (= *Hebeloma mesophaeum* var. *Mesophaeum* (Pers.) Fr., 1872), (= *Hebeloma strophosum* (Fr.) Sacc.); in the woods of *Pinus pinaster* or under the cedars, *Quercus rotundifolia*, (Issaguene): Malençon & Bertault (1960b, 1970b).

-*Pholiotina funariophila* M. M. Moser, (1954), (= ***Pachylepyrium funariophilum* (M.M. Moser) Singer**, 1965); on site at coal, in cedar, (LNS), (SNS): Malençon & Bertault (1960b).

-*Psilocybe cyanescens* Wakef., (1946), **sensu Segedin, Beever, Johnston & Buchanan**, (= ***Psilocybe subaeruginosa* Cleland**, 1927); under pure *Quercus pyrenaica* and under *Cedrus coprophila*, (LNS): Malençon & Bertault (1959c).

-*Stropharia aeruginosa* (Curtis) Quél., (1872); (LNS), (SNS): Malençon & Bertault (1959c).

-*Stropharia semiglobata* (Batsch) Quél., (1872); (LNS), (SNS): Malençon & Bertault (1959c).

-*Stropharia squamosa* (Pers.) Quél., (1873); (LNS), (SNS): Malençon & Bertault (1959c).

Family: Tricholomataceae

-*Clitocybe candicans* (Pers. ex Fr.) Kummer, (1871), (= *Clitocybe candicans* (Pers.) P. Kumm., 1871); under *Quercus* (Bab-Berred & Jbel Khzana), (SNS): Malençon & Bertault (1959c, 1975).

-*Clitocybe connata* (Schumach.) Gillet, (1874), (= *Lyophyllum connatum* (Schumach.) Singer, 1939), (= *Clitocybe* cf. *dealbata* (Sow.: Fr.) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1967).

-*Clitocybe costata* Kühner & Romagn., (1954); under *Pinus halepensis* mixed of *Quercus rotundifolia* (Sidi-Bou-Hassan of Bni-Dercul): Malençon & Bertault (1975).

-*Clitocybe decembris* Singer, (1962), (= *Clitocybe metachroa* (Fr.) P. Kumm., 1871); under *Pinus* & *Quercus* sp. (Akarrate & Dardara), (SNS): Malençon & Bertault (1975).

-*Clitocybe diatreta* (Fr.) P. Kumm., (1871), (= ***Clitocybe diatreta* (Fr.) P. Kumm.**, 1871); under *Pinus pinaster* & *Quercus suber*, *Q. faginea* & *Q. pyrenaica* (Issaguene, Chaouene, Bab er-Rouida, Jbel Khzana): Malençon & Bertault (1960b, 1975).

-*Clitocybe dicolor* (Pers.) J. E. Lange, (1935); (LNS), (SNS): Malençon & Bertault (1967).

-*Clitocybe flaccida* (Sowerby) P. Kumm., (1871), (= *Lepista flaccida* (Sow.: Fr.) Pat., 1887); under *Acacia* sp., *Cedrus* sp., *Pinus* sp. & *Quercus* sp., (Bab-tariouentz, Chaouene & Ktama), (SNS): Malençon & Bertault (1975).

-*Clitocybe flaccida* var. *fibrillosa* G. Malençon, (= *Lepista flaccida* var. *fibrillosa* (Malençon) Consiglio & Contu);

in the forests of *Quercus* sp. & *Pinus* sp. (Chaouene & Ktama), (SNS): Malençon & Bertault (1975).

-*Clitocybe font-queri* R.Heim., (1934); (LNS), (SNS): Malençon & Bertault (1959c).

-*Clitocybe geotropa* (Bull.) Quél., (1872), (= *Clitocybe geotropa* (Bull.: Fr.) Quél., 1872); under *Pinus halepensis*, *P. pinaster* var. *moghrebiana*, (Bni-Dercul), Chefchaouen: Malençon & Bertault (1960b, 1975), Abourouh (2000).

-*Clitocybe gibba* (Pers.) P. Kummer, (1871), (= *Clitocybe gibba* f. *mediterranea* Bellù, 1996); under *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica* & *Q. suber* but also in mixed forests of cedars and pines and under *Betula alba* at (Azib-of-Ktama): Malençon & Bertault (1975).

-*Clitocybe infundibuliformis* (Schaeff.) Quél., (1872), (= *Clitocybe gibba* (Pers. ex Fr.) Kummer, 1871); (LNS), (SNS): Malençon & Bertault (1959c).

-*Clitocybe inornata* (Sowerby) Gillet, (1874); under *Abies pinsapo* (Jbel Tissouka): Malençon & Bertault (1959c, 1975).

-*Clitocybe inversa* (Scop.) Quél., (1872), (= *Lepista inversa* (Scop.) Pat., 1887); (LNS), (SNS): Malençon & Bertault (1959c).

-*Clitocybe lituus* (Fr.) Métrod, (1946); on *Cistus monspeliensis*, (LNS): Malençon & Bertault (1961b, 1975).

-*Clitocybe mellea* (Vahl) Ricken, (1915), (= *Armillaria mellea* (Vahl) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1959c).

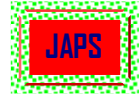
-*Clitocybe metachroa* (Fr.) P. Kumm., (1871), (= *Clitocybe decembris* Singer, 1962); under *Pinus* (*P. halepensis*, *P. pinaster*, *P. pinea*), *Cedrus*, *Acacia* sp. & *Quercus suber* (Bni-Dercul. Issaguene & Ktama): Malençon & Bertault (1959c, 1975).

-*Clitocybe nebularis* (Batsch) P. Kumm., (1857), (= *Clitocybe nebularis* (Batsch: Fr.) P. Kumm., 1871), [syn.: *Lepista nebularis* (Batsch: Fr.) Harmaja]; in oak (*Quercus faginea* & *Q. rotundifolia*) (Bni-Dercul, Ktama, Talassentane): Malençon & Bertault (1959c, 1975).

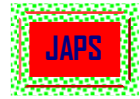
-*Clitocybe odora* (Bull. ex Fr.) Kummer, (1871), (= *Clitocybe odora* (Bull.) P. Kumm., 1871); under the oaks and cedars (Bab-er-Rouida, Bab-Tariouentz & Ktama), (SNS): Malençon & Bertault (1960b, 1975).

-*Clitocybe olearia* (DC.) Maire, (1933), (= *Omphalotus olearius* (DC.) Singer, 1946); on *Quercus suber*; (LNS): Malençon & Bertault (1960b).

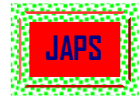
-*Clitocybe pseudoclusilis* (Joss. & Konrad) Orton, (1960), (= *Fayodia pseudoclusilis* (Joss. & Konrad) Singer, 1962), (= *Gamundia* cf. *pseudoclusilis* (Joss. & Konrad) Raithelth., 1980); under *Pinus halepensis*, *P. clusiana*, *P. pinaster* & *Abies pinsapo* (Bni-Dercul,



- Chaouene, Jbel Tissouka & Issaguene near Ktama): Malençon & Bertault (1975).
- Clitocybe squamulosa* (Pers.) Fr., (1821); (SNS), (LNS): Malençon & Bertault (1959c).
- Clitocybe squamulosoides* P. D. Orton, (1960), **sensu Orton in NCL**, (= *Clitocybe costata* Kühner & Romagn., 1954), (= *Clitocybe meridionalis* (Bon) P. Roux, 2008); under the cedars (Ktama), (SNS): Malençon & Bertault (1975).
- Clitocybe suaveolens* (Schumach) P. Kumm., (1871); under *Acacia*, *Pinus* & *Quercus* (Akarrate), (SNS): Malençon & Bertault (1967, 1975).
- Clitocybe tabescens* (Scop.) Bers., (1900), (= *Armillaria tabescens* (Scop.) Emel, (1921); on *Cistus monspeliensis*, (LNS): Malençon & Bertault (1961).
- Clitocybe trullaeformis* (Fr.) P. Karst., (= *Clitocybe costata* Kühner & Romagn., 1954) (= *Clitocybe trulliformis* (Fr.: Fr.) P. Karst.); under the *Cistus* & *Quercus pyrenaica* (Dardara & Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Clitocybe viridis* Rick, (1920), (Huds.) Gillet (1874), (= *Clitocybe odora* (Bull.) P. Kumm., 1871); (LNS), (SNS): Malençon & Bertault (1959c).
- Collybia butyracea* (Bull.) P. Kumm., (1871), (= *Rhodocollybia butyracea* f. *butyracea* (Bull.) Antonin & Noordel., 1997) (= *Rhodocollybia butyracea* f. *asema* (Fr.: Fr.) Antonin, Halling & Noordel.); under the oaks, (LNS), (SNS): Malençon & Bertault (1959c, 1975).
- Collybia cirrhata* (Schumach.) Quél., (1872); (LNS), (SNS): Malençon & Bertault (1959c).
- Collybia cookei* (Bres.) J. D. Arnold, (1935); on old decaying agarics (Ktama), (SNS): Malençon & Bertault (1975).
- Collybia fusipes* (Bull.) Quél., (1872), (= *Gymnopus fusipes* (Bull.: Fr.) Gray, 1821); on strains of *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1960b, 1975).
- Collybia (Xerula) longipes* P. Kumm., (1872), (= *Xerula longipes* (P. Kumm.) Maire, (1933); common in the *Abies pinsapo*, in the calcareous massif above the Bab Taza (Talasentane): Malençon & Bertault (1960b).
- Collybia radicata* (Relhan) Quél., (1871); (LNS), (SNS): Malençon & Bertault (1961b).
- Collybia velutipes* (Curtis) P. Kumm., (1871), (= *Flammulina velutipes* (Curtis) Singer, 1951); on strains of *Cytisus battandieri*, (LNS): Malençon & Bertault (1961a).
- Lepista luscina* (Fr.) Singer, (1951), *Clitocybe* Karsten 1879 = *Clitocybe nimbata* (Batsh ex Secr.) Quélet 1872, *Rhodopaxillus* Konrad & Maublanc 1937 = *Tricholoma panaeolum* (Fr.) Quélet 1872. *Rhodopaxillus* R. Maire 1913, *Lepista* Karsten 1879. (= *Lepista panaeola* (Fr.) P. Karst., 1879); in the clearings, pastures and woodlands of *Quercus*, *Cedrus* & *Pinus* (Bni-Dercul), (SNS): Malençon & Bertault (1975).
- Lepista nuda* (Bull.) Cooke, (1871), (= *Lepista nuda* (Fr.: Fr.) Cooke), *Rhodopaxillus* R. Maire, 1913; under *Quercus*, *Cedrus* & *Pinus*, (LNS), (SNS): Malençon & Bertault (1975).
- Leucopaxillus amarus* (Alb. & Schwein.) Kühner, 1928, **sensu NCL** (1960), (= *Leucopaxillus gentianens* (Quél.) Kotl., 1966); under *Quercus faginea*, *Q. rotundifolia*, *Q. pyrenaica*, *Cedrus*, *Pinus halepensis*, *P. pinaster* (Bni-Dercul, Jbel Dahdoh & Jbel Khzana): Malençon & Bertault (1959c, 1975).
- Melanoleuca arcuata* (Bull.) Singer, (1935), Phillips, (1981), (= *Melanoleuca poliolenca* (Fr.) G. Moreno, in Moreno, Arenal et Gonzalez, 1934) (= *Melanoleuca arcuata* (Bull.: Fr.) Singer); under *Abies pinsapo* & *Cedrus* (Bab-er-Rouida, Ktama & Talassentane): Malençon & Bertault (1969, 1975).
- Melanoleuca bataillei* Malençon, (1975); in cedar forests and grassy clearings (Ktama), (SNS): Malençon & Bertault (1975).
- Melanoleuca cognata* (Fr.) Konrad & Maubl., (1927), (= *Melanoleuca cognata* (Fr.) Kühner & Maire); under *Cedrus* (Ktama), (LNS), (SNS): Malençon & Bertault (1959c, 1975).
- Melanoleuca electropoda* Maire & Malençon, (1975) (= *Melanoleuca electropus* Maire & Malençon); in cedar pure or mixed (Ktama), (SNS): Malençon & Bertault (1959c, 1975).
- Melanoleuca grammopodia* (Bull.) Murill, (1914); (LNS) & (SNS): Malençon & Bertault (1959c), in 2005 in the forest of Tizirene.
- Melanoleuca melaleuca* (Pers.) Murrill, (1911), **sensu NCL**, (1960), **sensu auct. mult.** (= *Melanoleuca poliolenca* (Fr.) G. Moreno in Moreno, Arenal & Gonzalez, 1934), (= *Melanoleuca melaleuca* (Pers. ex Fr.) Murr.) (= ? *Melanoleuca tristis* M.M. Moser); (LNS), (SNS): Malençon & Bertault (1960b).
- Melanoleuca subpulverulenta* (Pers.) Singer, 1939, **sensu Cooke** (= *Melanoleuca nivea* Métrod ex Boekhout, 1988); in 2004 in the forest of Tizirene.
- Myxomphalia maura* (Fr.) Hora, (1960); under *Cedrus*, *Pinus* & *Quercus* (Azib-of-Ktama & Issaguene), (SNS): Malençon & Bertault (1975).



- Omphalia abiegna* (Berk. & Broome) Lange, (1930), (= *Chrysomphalina grossula* (Pers.) Norvell, Redhead & Ammirati, (1994); on cedar, (LNS), (SNS): Malençon & Bertault (1959c).
- Omphalia clusilis* (Fr.) Kühner & Romagn., (1953); (LNS), (SNS): Malençon & Bertault (1959c).
- Omphalia cyathiformis* (Bull.) Quél., 1872, (= *Pseudoclitocybe cyathiformis* (Bull.) Singer, 1956); (LNS), (SNS): Malençon & Bertault (1960b).
- Omphalia grisella* P. Karst., (1890), (= *Omphalina velutina* (Quélet) Quélet, 1886) (= *Lichenomphalia meridionalis* (Contu & La Rocca) P.-A. Moreau & Courtec., 2008); (LNS), (SNS): Malençon & Bertault (1967).
- Omphalia maura* (Fr.) Gillet, (1876), (= *Myxomphalia maura* (Fr.) Hora, 1960); (LNS), (SNS): Malençon & Bertault (1959c).
- Omphalia obbata* (Fr.) Kühner & Romagn., (1953), (= *Pseudoclitocybe obbata* (Fr.) Singer, 1962); under *Quercus pyrenaica*, (LNS): Malençon & Bertault (1959c).
- Omphalia obscurata* Kühner, (1949), (= *Omphalina obscurata* Reid, 1958), (= *Arrhenia obscurata* (Kühner ex D.A. Reid) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); (LNS), (SNS): Malençon & Bertault (1960b).
- Omphalia oniscus* (Fr.) Gillet, (1874), (= *Omphalina oniscus* (Fr.) Quél., 1888) (= *Arrhenia oniscus* (Fr.: Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); (SNS), (LNS): Malençon & Bertault (1961a).
- Omphalia pyxidata* (Bull.) P. Kumm., (1871), (= *Omphalina pyxidata* (Bull. ex Fr.) Quélet, 1886); (SNS), (LNS): Malençon & Bertault (1961a).
- Omphalia rosella* J.E. Lange, (1930), (= *Omphalina rosella* (J. Lange) Moser) (= ***Contumyces rosellus* (M.M. Moser) Redhead, Moncalvo, Vilgalys & Lutzoni, 2002**); (SNS), (LNS): Malençon & Bertault (1961a).
- Omphalia swartzii* (Fr.) Quél., (1885), (= *Rickenella swartzii* (Fr.) Kuyper, 1983); (LNS), (SNS): Malençon & Bertault (1960b).
- Omphalina abiegna* (Berk. & Br.) R.Singer, (1951), (= *Chrysomphalina grossula* (Pers.) Norvell, Redhead & Ammirati, 1994); in the cedar (Ktama), (SNS): Malençon & Bertault (1975).
- Omphalina oniscus* (Fr.) Quél., (1888), (= *Arrhenia oniscus* (Fr.: Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys, 2002); (Bab Triouentz & Jbel Khzana), (SNS): Malençon & Bertault (1975).
- Omphalina pyxidata* (Bull.) Quél., (1886); under *Abies pinsapo* (Jbel Tasaote): Malençon & Bertault (1975).
- Omphalina rosella* (M. M. Moser) **M.M. Moser**, (1953), (= ***Contumyces rosellus* (M.M. Moser) Redhead, Moncalvo, Vilgalys & Lutzoni, 2002**); (Bni-Hadifa), (SNS): Malençon & Bertault (1975).
- Omphalina velutina* (Quél.) Quél., (1886) (= *Lichenomphalia meridionalis* (Contu & La Rocca) P.-A. Moreau & Courtec.); among the Cistes and the Arbousiers (Dardara), (SNS): Malençon & Bertault (1975).
- Pleurotellus acerosus* (Fr.) Konrad & Maublanc, (1937), (= *Phaeotellus acerosus* (Fr.) Fr., 1988) (= *Arrenia acerosa* (Fr.: Fr.) Kühner, 1980), **sensu auct.**, (= ***Arrhenia latispora* (J. Favre) Bon & Courtec., 1987**); on rotten wood and earth (Issaguène), (SNS): Malençon & Bertault (1960b, 1975).
- Pleurotellus candidissimus* (Berk. & M.A. Curtis) Konrad & Maubl., (1937), *Pleurotus* Sacc., 1887, *Cheimonophyllum* R. Singer, 1952. (= *Cheimonophyllum candidissimum* (Sacc.) Singer, 1955); on a branch of *Ilex aquifolium* (Jbel Dahdoh): Malençon & Bertault (1959c, 1975).
- Pseudoclitocybe cyathiformis* (Bull.) Singer, (1956) (= *Pseudoclitocybe cyathiformis* (Bull. ex Fr.) Singer); under *Abies pinsapo*, *Cedrus* & *Pinus pinaster* (Azib-of-Ktama, Bab-Bessene, Issaguene & Talassentane): Malençon & Bertault (1975).
- Pseudoclitocybe obbata* (Fr.) Singer, (1962), (*Clitocybe* Quélet 1872, *Omphalia* Kühner & Romagnesi 1953, *Cantharellus* Bousset); under the oaks (Bab-Taïouentz), (SNS): Malençon & Bertault (1975).
- Resupinatus applicatus* (Batsch) Gray, (1821) (= *Resupinatus trichotis* (Pers.) Singer, 1961); on the underside of wood lying or of dead limbs: *Acacia mollissima*, *Acer granatense*, *Eucalyptus* sp., *Pinus* sp., *Pistacia lentiscus* & *Quercus rotundifolia* (Bab-er-rouïda, Talombote & Talassentane): Malençon & Bertault (1975).
- Resupinatus applicatus* f. *kavinii* (Pilát) Pilát, (1935), (= *Resupinatus kavinii* (Pilát) M. M. Moser, 1978), (= *Resupinatus striatulus* (Pers.: Fr.) Murrill 1915); on *Abies Pinsapo* (Jbel Tasaote & Talassentane): Malençon & Bertault (1975).
- Rhodopaxillus nudus* (Bull.) Maire, 1913, (= *Lepista nuda* (Bull.) Cooke, 1871); (LNS), (SNS); Malençon & Bertault (1959c); in 2005 in the forest of Gourougou.
- Rhodopaxillus panaeolus* (Fr.) Maire, (1913), (= *Lepista panaeolus* (Fr.) P. Karst., 1879); (LNS), (SNS): Malençon & Bertault (1960b).
- Ripartites tricholoma* (Alb. & Schwein.) P. Karst., (1879), (= *Flammula Kummer*, 1871, *Paxilus* Quélet



1886, *Inocybe Saccardo* 1887, *Paxollopsis* J. Lange 1939) (= *Ripartites* aff. *Albidoincarnatus* (Britzelm.) Métrod, 1946); under *Acacia* and in the cedar (Jbel Dahdoh near Ktama), (SNS): Malençon & Bertault (1959c, 1975).

-*Tricholoma acerbum* (Bull.) Vent., (1972), (= *Tricholoma acerbum* (Bull.: Fr.) Quélet); in wooded scrub of *Quercus rotundifolia* & *Q. suber* (Chaouene): Malençon & Bertault (1960b, 1975).

-*Tricholoma albobrunneum* (Pers.) P. Kumm., (= *Tricholoma batschii* Gulden ex Christensen & Noordeloos, 1999); under *Pinus halepensis*, *Quercus pyrenaica*, *Q. suber*: at Bab-Tariouentz, Chaouen & Bni-Dercul: Malençon & Bertault (1960b, 1975).

-*Tricholoma album* (Schaeffer.: Fr.) Kummer, 1870), (= *Tricholoma album* (Schaeff.) P. Kumm., (= *Tricholoma stiparophyllum* (Fr. & N. Lund, 1879); under *Quercus suber* (Bab-er-Rouida): Malençon & Bertault (1960b, 1975).

-*Tricholoma atosquamosum* Sacc., (1887), (= *Tricholoma atosquamosum* (Chev.) Saccardo, 1887 e *Tricholoma squarrulosum* Bresadola, 1892), under the oaks (Akarrat), (SNS): Malençon & Bertault (1960b, 1975).

-*Tricholoma caligatum* (Viv.) Ricken, (1915); under *Cedrus* & *Pinus halepensis* (Bab-Bessene, Ktama & Bni-Dercul): Malençon & Bertault (1959c, 1975); en 2004 dans la forêt de Tizirene.

-*Tricholoma cedrorum* Maire, (1914); special of cedar (Bab-Bessene, Ktama), (SNS): Malençon & Bertault (1959c, 1975).

-*Tricholoma equestre* (L.) P. Kumm., (1871); (LNS), (SNS): Malençon & Bertault (1959).

-*Tricholoma flavobrunneum* (Fr.) P. Kumm., (1871), (= *Tricholoma fulvum* (Bull.: Fr.) Saccardo, 1887); under *Betula alba* (Azib-of-Ktama): Malençon & Bertault (1959c, 1975).

-*Tricholoma flavovirens* (Pers.) S. Lundell, (1942), (= *Tricholoma equestre* (L.: Fr.) Kummer, 1871); under *Pinus pinaster* & *Cedrus* sp., (Ktama): Malençon & Bertault (1975).

-*Tricholoma onychinum* (Fr.) Gillet, (1874), (= *Calocybe onychina* (Fr.) Donk, 1962); (LNS), (SNS): Malençon & Bertault (1959c).

-*Tricholoma pessundatum* (Fr.) Quélet., (1821), (= *Tricholoma cedretorum* (Bon) Riva 2000 var. *cedretorum* e var. *ochraceopallidum* (Bon) Riva, 2000); in the cedar (Bab-Bessene & Ktama), (SNS): Malençon & Bertault (1959, 1975).

-*Tricholoma portentosum* (Fr.) Quélet., (1873), (= *Tricholoma portentosum* (Fr.) Quélet); (LNS), (SNS): Malençon & Bertault (1959c, 1975).

-*Tricholoma rutilans* (Schaeff.) P. Kumm., (1871), (= *Tricholomopsis rutilans* (Schaeff.: Fr.) Singer, 1939); on *Abies pinsapo*, (LNS): Malençon & Bertault (1960b).

-*Tricholoma saponaceum* (Fr.) P. Kumm., (1871), (= *Tricholoma sponaceum* var. *sponaceum*, 1871) (= *Tricholoma saponaceum* (Fr.) Kummer); under *Quercus* sp., & *Cedrus* sp., (Chaouene, Bab-Tariouentz & Ktama), (SNS): Malençon & Bertault (1959c, 1975).

-*Tricholoma saponaceum* var. *lavedanum* Rolland, (1891); (LNS), (SNS): Malençon & Bertault (1959c).

-*Tricholoma sejunctum* (Sowerby) Quélet., (1872), (= *Tricholoma sejunctum* (Sow.: Fr.) Quélet); under *Quercus suber* & *Cedrus* (Chaouene & Bab-Bessene), (LNS): Malençon & Bertault (1960b, 1975).

-*Tricholoma sulphureum* (Bull.) P. Kumm., (1871), incl. *T. bufinium* (Pers. ex Fr.) Gillet, (= *Tricholoma sulphureum* (Bull.: Fr.) Kummer 1871); under *Quercus pyrenaica* & *Q. suber* (Bab-Triottentz, Chaouene & Jbel Khzana): Malençon & Bertault (1959c, 1975).

-*Tricholoma terreum* (Schaeffer ex Fr.) Kummer, (1871), (= *Tricholoma terreum* (Schaeff.) P. Kumm.); under *Abies pinsapo*, *Cedrus* sp., *Pinus halepensis* & *P. pinaster* (Bab-Bessene, Bni-Dercul, Bni-Hadifa & Ktama): Malençon & Bertault (1959c, 1975).

-*Tricholoma ustale* (Fr.) Kummer, (1871), (= *Tricholoma ustale* (Fr.) P. Kumm.); under *Quercus pyrenaica* & *Quercus suber*, (LNS): Malençon & Bertault (1959c, 1975).

-*Tricholoma ustaloides* Romagn., (1954); under *Quercus pyrenaica* & *Q. suber* (Chaouene, Bab Tariouentz & Jbel Outka): Malençon & Bertault (1959c, 1975).

-*Tricholomopsis rutilans* (Schaeff. ex Fr.) R. Singer, (1939), (= *Tricholomopsis rutilans* (Schaeff.) Singer); on *Abies pinsapo* (Talassentane): Malençon & Bertault (1975).

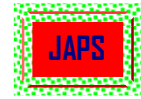
Order: Auriculariales

Family: Auriculariaceae

-*Auricularia auricula-judae* (Bull.) Quélet., (1886); on *Morus alba* & *Quercus suber*, (LNS): Malençon & Bertault (1959b).

-*Bourdotia cinerea* (Bres.) Bourdot & Galzin, (1928), (= *Basidioidendron cinereum* (Bers.) Luck-Allen, 1963); on *Quercus suber*, (LNS): Malençon & Bertault (1967).

-*Eichleriella spinulosa* (Berk. & M.A. Curtis) Burt, (1915), (= *Heterochaete spinulosa* (Berk. & M.A. Curtis) D.A. Reid, 1970); on dead



wood, probably of *Prunus lusitanica*, (LNS): Malençon & Bertault (1959b).

-*Exidia friesiana* P. Karst., (1878); on dead limbs of *Populus nigra* & *Cistus* sp., (LNS): Malençon & Bertault (1960a).

-*Exidia gemmata* var. *hyalina*, on *Rubus* sp. & vine shoot, (LNS), (SNS): Malençon & Bertault (1959b).

-*Exidia glandulosa* (Bull.) Fr., (1822); on *Quercus pyrenaica* Willd., Mont Khessana: Maire & Werner (1937).

-*Exidia pithya* Fr., (1822); on *Abies pinsapo* (Talensentan): Malençon & Bertault (1959b).

-*Exidia truncata* Fr., (1822); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1961a).

-*Protodontia piceicola* (Kühner ex. Bourdot) G.W. Martin, (1952); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).

-*Sebacina calcea* (Pers.) Bres., (1898); on cedar, (SNS), (LNS): Malençon & Bertault (1959b).

Order: Boletales

Family: Boletaceae

-*Boletus aereus* Bull., (1789); (LNS), (SNS): Malençon & Bertault (1967).

-*Boletus impolitus* Fr., (1838), (= *Boletus impolitus* (Fr.) Qué., 1888); (LNS), (SNS): Malençon & Bertault (1969).

-*Krombholzia crocipodia* (Letell.) E.-J. Gilbert, (1931), (= ***Leccinellum crocipodium* (Letell.) Bresinsky & Manfr. Binder**, 2003); (LNS), (SNS): Malençon & Bertault (1960b).

-*Krombholzia crocipodia* var. *Corsica*; (SNS), (LNS): Malençon & Bertault (1961b).

-*Tubiporus edulis* Bull. ex. Fr.; (LNS), (SNS): Malençon & Bertault (1959c).

-*Tubiporus erythropus* (Pers.) Maire, (1937), (= ***Boletus erythropus* var. *erythropus* Pers.**, 1796); (LNS), (SNS): Malençon & Bertault (1959c).

-*Tubiporus luridus* (Schaeff.) P. Karst., (1871); (LNS), (SNS): Malençon & Bertault (1959c).

-*Tubiporus reticulatus*; (LNS), (SNS): Malençon & Bertault (1959c).

-*Xerocomus chrysenteron* (Bull. ex St. Amans) Qué., (1888), (= *Boletus chrysenteron* Bull., 1791), (= *Xerocomus chrysenteron* (Bull.) Qué.); (LNS), (SNS): Malençon & Bertault (1959c).

-*Xerocomus cramesinus*; (LNS), (SNS): Malençon & Bertault (1960b).

-*Xerocomus subtomentosus* (L. ex Fr.) Qué., (1821), (= *Boletus subtomentosus* Pers.), (= *Xerocomus subtomentosus* (L.) Qué., 1888); (LNS), (SNS): Malençon & Bertault (1959c).

Family: Coniophoraceae

-*Coniophorella umbrina* (Alb. & Schwein) Bres., (1903), (= *Coniophora olivacea* (Fr.) P. Karst., 1879); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).

Family: Diplocystidiaceae

-*Astraeus hygrometricus* (Pers.) Morgan, (1889); (LNS), (SNS): Malençon & Bertault (1959c).

Family: Gomphidiaceae

-*Gomphidius viscidus* (L.) Fr., (= *Gomphidius viscidus* sensu auct., (= *Chroogomphus rutilus* (Schaeff.) O.K. Mill., 1964); under the *Pinus pinaster*, (LNS): Malençon & Bertault (1960b).

Family: Gyroporaceae

-*Gyroporus castaneus* (Bull.: Fr.) Qué., (1886); (LNS), (SNS): Malençon & Bertault (1959c).

Family: Paxillaceae

-*Paxillus panuoides* (Fr.) Fr., (1838), (= *Tapinella panuoides* (Batsch) E.-J. Gilbert, 1931); on dead trunks of *Pinus pinaster*, (LNS): Malençon & Bertault (1960b).

Family: Rhizopogonaceae

-*Rhizopogon rubescens* (Tul. & C. Tul.) Tul. & C. Tul., (1845), (= *Rhizopogon roseolus* (Corda) Th. Fr., 1909); under *Pinus pinaster*, Chefchaouen: Malençon & Bertault (1959c), Abourouh (2000).

Family: Sclerodermataceae

-*Pisolithus arenarius* Alb. & Schwein., (1805), (= *Pisolithus arrhizus* (Scop.) Rauschert, (1959); (LNS), (SNS): Malençon & Bertault (1959c).

-*Pisolithus cranium*; (LNS), (SNS): Malençon & Bertault (1961a).

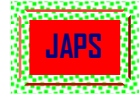
-*Scleroderma geaster* Fr., (1829), (= *Scleroderma polyrhizum* (J. F. Gmel.) Pers., 1801); (LNS), (SNS): Malençon & Bertault (1960b).

-*Scleroderma verrucosum* (Bull.) Pers., (1801); (LNS), (SNS): Malençon & Bertault (1960b).

Family: Serpulaceae

-*Gyrophana himantioides* (Fr.) Bourdot & Galzin, (1923), (= *Serpula himantioides* (Fr.) P. Karst., 1885); on decaying wood of cedar, (LNS), (SNS): Malençon & Bertault (1959b, 1960a).

Family: Suillaceae



-*Boletopsis griseus*; under the Cedars, (LNS), (SNS): Malençon & Bertault (1959b).

-*Ixocomus granulatus* (L.) Quél., (1888), (= *Suillus granulatus* (L.) Snell, in Sipp. & Snell, 1944); under *Pinus halepensis*, (LNS): Malençon & Bertault (1960b).

-*Ixocomus leptopus*; (SNS), (LNS): Malençon & Bertault (1961b).

-*Ixocomus piperatus* (Bull.) Quél., (1888), (= *Chalciporus piperatus* (Bull.) Bataille, 1908); (LNS), (SNS): Malençon & Bertault (1959c).

-*Suillus granulatus* (L.) Roussel, 1806, (= *Suillus granulatus* f. *granulatus* (L.) Snell, 1944); in 2005 in the forest of Gourougou.

Order: *Cantharellales*

Family: *Cantharellaceae*

-*Cantharellus cibarius* Fr., (1821), (= *Cantharellus cibarius* var. *cibarius* (Fr.) Quél., 1888); in oak, (LNS), (SNS): Malençon & Bertault (1959b, 1975); in 2004 in the forest of Tizirene.

-*Cantharellus cornucopioides* (L.) Fr., (1821), (= *Craterellus cornucopioides* (L.: Fr.) Pers., 1825), (Akarrate), (SNS): Malençon & Bertault (1961b, 1975); in 2005 in the forest of Tizirene.

Family: *Clavulinaceae*

-*Clavulina cinerea* (Bull.) J. Schröt., (1888), (= *Clavulina cinerea* f. *cinerea*, 1888); under *Cedrus*, (LNS), (SNS): Malençon & Bertault (1959b).

-*Clavulina cristata* var. *lappa* P. Karst., (1882), (= *Clavulina coralloides* (L.) J. Schröt., 1888); (LNS), (SNS): Malençon & Bertault (1967).

-*Clavulina rugosa* (Bull.) J. Schröt., (1888); under *Cedrus*, (LNS), (SNS): Malençon & Bertault (1959b).

-*Clavulina rugosa* f. *mitruloides*; under *Cedrus*, (LNS), (SNS): Malençon & Bertault (1959b).

Family: *Hydnaceae*

-*Hydnum repandum* L., (1753); in 2004 in the forest of Tizirène.

-*Hydnum rufescens* (Pers.) Poir., (1808), (= *Abortiporus biennis* (Bull.) Singer, 1944); (LNS), (SNS): Malençon & Bertault (1960a).

-*Gloeocystidium coroniferum* Höhn. & Litsch., (1907), (= *Sistotrema coroniferum* (Höhn. & Litsch.) Donk, 1956); on *Abies pinsapo*, (SNS), (LNS): Malençon & Bertault (1961a).

Family: *Sistotremataceae*

-*Sistotrema sublamellosum* (Bull.) Quél., (1896), (= *Sistotrema confluens* Pers., 1794); under the cedars, (LNS), (SNS): Malençon & Bertault (1960a).

Order: *Corticiales*

Family: *Corticaceae*

-*Corticium amylaceum* Bourdot & Galzin (1911), (= *Amyloathelia amylacea* (Bourdout & Galzin) Hjortstam & Ruvarden, 1979); on *Juniperus oxycedrus*, (LNS): Malençon & Bertault (1967).

-*Corticium byssinum* var. *xanthellum* Bourdot & Galzin (1928); on decaying wood of cedar, (LNS), (SNS): Malençon & Bertault (1960a).

Corticium caeruleum (Lam.) Fr., (1838), (= *Terana caerulea* (Lam.) Kuntze, 1891); on *Erica arborea*, *Vitis vinifera*, *Nerium oleander*, *Viburnum tinus* & *Cistus* sp. (LNS): Malençon & Bertault (1959b).

-*Corticium lacteum* (Fr.) Fr., (1838); on *Cistus* sp., (LNS), (SNS): Malençon & Bertault (1960a).

-*Corticium microsporum* (Bers.) Herter, (1910); on *Quercus suber*, (LNS), (SNS): Malençon & Bertault (1967).

-*Corticium mutabile* Bres., (1898), (= *Fibulomyces mutabilis* (Bres.) Jülich, 1972); on cedar, (LNS), (SNS): Malençon & Bertault (1960a).

-*Corticium polygonioides* P. Karst., (1881), (= *Dendrocorticium polygonioides* (P. Karst.) M.J. Larsen & Gilb., 1974); on *Quercus*, (LNS), (SNS): Malençon & Bertault (1960a).

-*Corticium praefocatum*; on *Erica arborea*, (LNS), (SNS): Malençon & Bertault (1967).

-*Corticium roseum* Pers., (1794); on *Quercus suber*, *Cistus* sp., *Cytisus battandieri*, *Erica arborea*, (LNS), (SNS): Malençon & Bertault (1960a).

-*Corticium sulphureum* Pers., (1796), (= *Xenasmatella vaga* (Fr.) stalpers, 1996); on *Salix* sp., (LNS), (SNS): Malençon & Bertault (1960a).

-*Vuilleminia comedens* (Nees) Maire, (1902); on *Quercus rotundifolia*, *Q. faginea* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1959b).

Order: *Dacrymycetales*

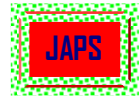
Family: *Dacrymycetaceae*

-*Calocera cornea* (Batsch.) Fr., (1827); on *Cedrus*, *Salix pedicellata*, *Quercus rotundifolia* & *Prunus lusitanica*, (LNS): Malençon & Bertault (1959b).

-*Dacryomyces chrysoconus*; on cedar, (LNS), (SNS): Malençon & Bertault (1959b).

-*Dacryomyces deliquescens*; on *Erica arborea* & *Arbutus unedo*, (LNS): Malençon & Bertault (1959b).

-*Dacryomyces lutescens*; on *Quercus pyrenaica*, (SNS), (LNS): Malençon & Bertault (1961a).



-*Dacryomyces punctiformis*; on *Cedrus*, (LNS), (SNS): Malençon & Bertault (1959b).

-*Dacryomyces stillatus*; on cedar, (SNS), (LNS): Malençon & Bertault (1961a).

Order: *Exobasidiales*

Family: *Exobasidiaceae*

-*Exobasidium unedonis* Maire, (1916); on *Arbutus unedo* L., Bab Taza: Maire & Werner (1937).

Order: ***Geastrales***

Family: *Geastraceae*

-*Geaster nanus* var. *nanus*; under *Cedrus*, (LNS), (SNS): Malençon & Bertault (1967).

-*Geaster rufescens*; (LNS), (SNS): Malençon & Bertault (1960b).

-*Geastrum rufescens* Fr., (1829), Pers., (1801); (LNS), (SNS): Malençon & Bertault (1960a).

-*Sphaerobolus stellatus* Tode, (1790); (LNS), (SNS): Malençon & Bertault (1959c).

Order: ***Gomphales***

Family: *Clavariadelphaceae*

-*Clavariadelphus pistillarlis* (L.) Donk., (1933); (LNS), (SNS): Malençon & Bertault (1960a).

Family: *Gomphaceae*

-*Gomphus crassipes* (L. M. Dufour) Maire, (1937); (LNS), (SNS): Malençon & Bertault (1975).

-*Ramaria apiculata* (Fr.) Donk., (1933); (LNS), (SNS): Malençon & Bertault (1961b).

-*Ramaria botrytis* (Pers.) Riken, (1918); in cedar, (LNS), (SNS): Malençon & Bertault (1959b).

-*Ramaria cedretorum* (Maire) Malençon, (1958); under *Cedrus* sp. in spring, (LNS). Malençon & Bertault (1959b).

-*Ramaria flavicolor* Malençon, (1958); under *Cedrus* sp., (autumn and spring), (LNS), (SNS): Malençon & Bertault (1959b).

-*Ramaria mairei* Donk, (1933); under *Cedrus* (automne), (LNS), (SNS): Malençon & Bertault (1959b).

Order: ***Hymenochaetales***

Family: *Hymenochaetaceae*

-*Hymenochaete cinnamomea* (Pers.) Bers., (1897); on *Alnus glutinosa*, (LNS): Malençon & Bertault (1961a).

-*Hymenochaete rubiginosa* (Dicks.) Lév., (1846); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1961a).

-*Hymenochaete subfuliginosa* Bourdot & Galzin, (1921); on *Erica arborea* & *Pistacia lentiscus*, (LNS): Malençon & Bertault (1959b).

-*Hymenochaete tabacina* (Sowerby) Lév., (1846); of dead cedar, (LNS), (SNS): Malençon & Bertault (1960a).

-*Phellinus contiguiiformis* Pilât, (1936); of dead cedars, (LNS), (SNS): Malençon & Bertault (1959b).

-*Phellinus contiguus* (Pers.) Pat., (1928); on *Quercus suber*. (LNS): Malençon & Bertault (1959b).

-*Phellinus friesianus* (Bers.) Bourdot & Galzin, (1928); common on trunks of *Betula alba* killed by *Ungulina fomentaria*, (LNS): Malençon & Bertault (1959b).

-*Phellinus torulosus* (Pers.) Bourdot & Galzin, (1925); on *Alnus glutinosa*, (LNS): Malençon & Bertault (1960a).

-*Xanthochrous hispidus* (Bull.) Pat., (1897), (= *Inonotus hispidus* (Bull.) P. Karst., 1879); on *Salix* sp, (LNS), (SNS): Malençon & Bertault (1960a).

-*Xanthochrous perennis* (L.) Pat., (1900), (= *Coltricia perennis* (L.) Murrill, 1903); on old places coal, (SNS), (LNS): Malençon & Bertault (1961a).

-*Xanthochrous radiatus* (Sowerby) Pat., (1900), (= *Inonotus radiatus* (Sowerby) P. Karst., 1881); on living trunk of *Quercus suber*, (LNS): Malençon & Bertault (1959b).

-*Xanthochrous tamaricis* Pat., (1904), (= *Inonotus tamaricis* (Pat.) Maire, 1937); on *Tamarix* sp. (leg. Pujos), (LNS), (SNS): Malençon & Bertault (1969).

Family: *Schizoporaceae*

-*Irpex deformis* (Fr.), (1828), (= *Schizopora paradoxa* (Schrad.) Donk, 1967); on *Quercus suber*, (SNS): Malençon & Bertault (1961a).

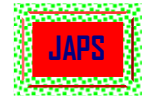
-*Odontia arguta* (Fr.) Quél., (1888), (= *Hyphodontia arguta* (Fr.) J.Erikss., 1958); on *Nerium oleander*? (LNS), (SNS): Malençon & Bertault (1959b).

-*Odontia corrugata* (Fr.) Bres., (1897), (= *Hyphodermella corrugata* (Fr.) J. Erikss. & Ryvardeen, 1976), on *Nerium oleander*, (LNS): Malençon & Bertault (1959b).

Order: *Hymenogastrales*

Family: *Hymenogastraceae*

-*Gautiera trabuti* Pat.; under the Cedars, (LNS), (SNS): Malençon & Bertault (1960b).



Order: **Hysterangiales**

Family: Hysterangiaceae

-*Hysterangium cistophilum* (Tul.) Zeller & C. W. Dodge., (1929); (LNS), (SNS): Malençon & Bertault (1961a).

Order: Phallales

Family: **Phallaceae**

-***Clathrus ruber P. Micheli ex Pers.***, (1801); in 2005 in the forest of Gourougou.

Order: Polyporales

Family: Fomitopsidaceae

-*Daedalea unicolor* (Bull.) Fr., (1821), (= *Cerrena unicolor* (Bull.) Murrill, 1903); on *Acer granatense* (Talasentan): Malençon & Bertault (1959b).

Family: *Ganodermataceae*

-*Ganoderma applanatum* (Pers.) Pat., (1887); on *Quercus* sp. & *Alnus glutinosa*: Malençon & Bertault (1960a).

-*Ganoderma lucidum* Var. *resinaceum* Maire, (1933); on *Cedrus*: Cedars of Timellatin, the form sessile on *Abies pinsapo* (LNS): Maire & Werner (1937), Malençon & Bertault (1959b).

-*Ganoderma resinaceum* Boud., (1890); on *Alnus glutinosa*, (LNS): Malençon & Bertault (1960a).

Family: Meruliaceae

-*Acia uda* (Fr.) P. Karst, (1879) (= *Mycoacia uda* (Fr.) Donk, (1931); on *Quercus suber*, (LNS): Malençon & Bertault (1967).

-*Aegerita candida* (Pers.), (1794), (= ***Bulbillomyces farinosus (Bres.) Jülich***, 1974); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1961b).

-*Aegerita epixylon* (Bull.) Lam. & DC., (1805); on wood drowned of *Quercus pyrenaica*, (LNS): Malençon & Bertault (1967).

-*Heteroporus biennis* (Bull.) Lázaro Ibiza, (1916), (= *Abortiporus biennis* (Bull.) Singer, 1944); on dead roots of *Quercus pyrenaica*, (SNS), (LNS): Malençon & Bertault, (1959b).

-*Merulius molluscus* Fr., (1821), (= *Leucoglyphana mollusca* (Fr.) Pouzar, 1958); on wood died of *Quercus suber*, *Pinus pinaster* & *Abies pinsapo*, (LNS): Malençon & Bertault (1959b).

-*Merulius papyrinus* (Bull.) Quél., (1888), (= *Byssomerulius corium* (Pers.) Parmasto, 1967); on *Quercus suber* & *Viburnum tinus*, (LNS): Malençon & Bertault (1959b).

-*Merulius rufus* Pers., (1801), (= *Phlebia rufa* (Pers.) M. P. Christ., 1960); (LNS), (SNS): Malençon & Bertault (1961b).

-*Merulius tremellosus* Schard., (1794); (LNS), (SNS): Malençon & Bertault (1961a, 1967).

-*Mycoleptodon dichrous* Bourdot & Gazin, (1927), (= *Steccherinum Bourdotii* Saliba & A. David, 1988): on *Quercus suber*, (LNS): Malençon & Bertault (1967).

-*Mycoleptodon fimbriatus* (Pers.) Bourdot & Galzin, (1928), (= *Steccherinum fimbriatum* (Pers.) J. Erikss., 1958); on *Quercus rotundifolia*, (LNS), (SNS): Malençon & Bertault (1961b).

-*Mycoleptodon ochraceum* (Pers.) Bourdot & Galzin, (1900), (= ***Steccherinum ochraceum (Pers.) Gray***, 1821); on *Arbutus unedo* & *Crataegus monogyna*, (LNS): Malençon & Bertault (1967).

Family: Polyporaceae

-*Coriolus abietinus* (Dicks.) Quél., (1886), (= *Trichaptum abietinum* (Dicks.) Ryvarden, 1972); on cedar, (LNS), (SNS): Malençon & Bertault (1959b).

-*Coriolus hirsutus* (Wulfen) Pat., (1897), (= *Trametes hirsuta* (Wulfen) **Lloyd**, 1924);

on *Quercus suber*, (LNS), (SNS): Malençon & Bertault (1959b).

-*Coriolus pargamenus (Fr.) G. Cunn.*, (1950), (= ***Trichaptum bifforme (Fr.) Ryvarden***, 1972); on *Quercus suber* L. Ketama: Maire & Werner (1937).

-*Coriolus versicolor* (L.) Quél., (1886), (= *Trametes versicolor* (L.) Lloyd, 1921); on *Abies pinsapo*, *Cedrus* sp., *Quercus suber*, *Salix pedicellata* & *Myoporum* sp., (LNS): Malençon & Bertault (1959b).

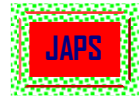
-*Geopetalum algidum*, (LNS), (SNS): Malençon & Bertault (1959c).

-*Geopetalum geogenium* (DC.) Pat., (1887), (= *Hohenbuehelia petaloides* (Bull.) Schulzer, 1866); on land, (LNS), (SNS): Malençon & Bertault (1960b).

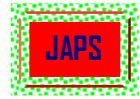
-*Geopetalum kevinii (Pilát) Kühner & Romagn.*, (1953), (= *Resupinatus kevinii* (Pilát) M. M. Moser, 1978); on *Quercus faginea* & *Quercus suber*, (LNS): Malençon & Bertault (1960b).

-*Geopetalum striatulum* (Pers.) Kühner & Romagn., (1953), (= *Resupinatus striatulus* (Pers.) Murrill, 1915); on *Populus nigra*, (LNS): Malençon & Bertault (1961a).

-*Geopetalum striatulum* var. *applicatum* (Batsch) Kühner & Romagn., (1953), (= *Resupinatus applicatus* (Batsch) Gray, 1821); on *Pistacia lentiscus*, (LNS): Malençon & Bertault (1961a).



- Hexagonia nitida* Durieu & Mont., (1856); on trunks of *Quercus rotundifolia* and on dead roots of *Quercus pyrenaica*, Tainest region: Maire & Werner (1937), Malençon & Bertault (1959b).
- Lentinus adhaerens* var. *inadhaerens* Malençon & Bertault, (1975), (= *Lentinus adhaerens* var. *inadhaerens* (Malençon & Bertault) C. Bouvet & Sugny 1998); on stumps and trunks lying of *Abies pinsapo* (Bab-Taza, Bab-er-rouida & Talessentane): Malençon & Bertault (1960b, 1970b).
- Lenzites betulina* f. *flaccida* (Fr.) Bres., (1912), (= *Lenzites betulina* (L.) Fr., 1838); on *Quercus rotundifolia*, (LNS): Malençon & Bertault (1959b).
- Lenzites quercina* (L.) P. Karst., (1888), (= *Daedalea quercina* (L.) Pers., (1801)); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1959b).
- Lenzites sepiaria* (Wulfen) Fr., (1889), (= *Gloeophyllum sepiarium* (Wulfen) P. Karst., 1882); on *Abies pinsapo* & *Cedrus*, (LNS): Malençon & Bertault (1959b).
- Leptoporus caesioides* (Schr.) Quél., (1886), (= *Tyromyces caesioides* (Schr.) Murrill, 1907), (= *Postia caesioides* (Schr.) P. Karst., 1881); on cedar, (LNS), (SNS): Malençon & Bertault (1960a).
- Leptoporus destructor* (Schr.) Bourdot & Galzin (1925); on a trim of flats, (LNS), (SNS): Malençon & Bertault (1960a).
- Leptoporus lacteus* (Fr.) Pat., (1903), (= *Tyromyces lacteus* (Fr.) Murrill, 1907); on *Abies pinsapo*, (SNS), (LNS): Malençon & Bertault (1961b).
- Leucoporus arcularius* (Batsch) Quél., (1888), (= *Polyporus arcularius* (Batsch) Fr., 1821); on *Cistus monspeliensis* & *Nerium oleander*, (LNS): Malençon & Bertault (1959b).
- Leucoporus arcularius* var. *strigosus* Bourdot & Galzin, (1925); on *Quercus suber*, (LNS): Malençon & Bertault (1961b).
- Leucoporus brumalis* (Pers.) Sacc. ex Trotter, (1972), (= *Polyporus brumalis* (Pers.) Fr., (1818)); on *Quercus faginea*, (LNS): Malençon & Bertault (1960a).
- Melanopus melanopus* (Sw.) Bourdot & Galzin, (1927); on *Abies pinsapo*, (LNS): Malençon & Bertault (1960a).
- Panus conchatus* (Bull.) Fr., (1838) (= *Panus conchatus* (Bull. : Fr.) Fr.), *Lentinus* Schröter 1889, *Pleurotus* Pilât 1935, *Lentinopanus* Pilât 1941 = *Agaricus carneo-tomentosus* Batsch 1783. (*Lentinus conchatus* (Mont.)); on *Alnus glutinosa* (Jbel Khzana): Malençon & Bertault (1960b, 1975).
- Panus rudis* Fr., (1838), (= *Lentinus strigosus* (Schwein) Fr., 1838), (= *Panus lecomtei* (Fr.) Corner, 1981); on trunks lying of *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber* (Akarrate, Bab-Tariouentz & Dardara): Malençon & Bertault (1959c, 1975).
- Phaeolus rutilans* (Pers.) Pat., (1900), (= *Hapalopilus rutilans* (Pers.) P. Karst., 1881); on *Ficus carica*, (LNS): Malençon & Bertault (1959b).
- Phaeolus schweinitzii* (Fr.) Pat., (1900); on *Pinus pinaster* & *Cedrus*, (LNS): Malençon & Bertault (1959b).
- Polyporus giganteus* (Pers.) Fr., (1815), (= *Meripilus giganteus* (Pers.) P. Karst., 1882); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1960a).
- Polyporus sulfureus*; on *Quercus faginea* & *Rhamnus frangula*, (LNS): Malençon & Bertault (1960a).
- Poria carbonica* Overh., (1943), (= *Antrodia carbonica* (Overh.) Ryvarden & Gilb., 1984); on *Abies pinsapo* & carbonised cedar, (LNS): Malençon & Bertault (1961b).
- Poria medulla-panis* (Jacq.) Pers., (1886), (= *Perenniporia medulla-panis* (Jacq.) Donk, 1967); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1961a).
- Poria mucida* (Pers.) Cooke, (1796), (= *Schizopora paradoxa* (Schr.) Donk, 1967); on *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber*, (LNS): Malençon & Bertault (1959b).
- Poria sinuosa* (Fr.) Cook, (1886), (= *Antrodia sinuosa* (Fr.) P. Karst., (1881); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).
- Sporotrichum viridiflavum* D. Sacc., (1901); (LNS), (SNS): Malençon & Bertault (1961b).
- Trametes campestris* Quél., (1872), (= *Dichomitus campestris* (Quél.) Domański & Orlicz, 1966); on *Quercus suber*, (LNS): Malençon & Bertault (1959b).
- Trametes cervina* (Schwein.) Bres., (1903), (= *Trametopsis cervina* (Schwein.) Tomšovský, 2008); on *Salix* sp., (SNS), (LNS): Malençon & Bertault (1961b).
- Trametes cinnabarina* (Jacq.) Fr., (1874), (= *Pycnoporus cinnabarinus* (Jacq.) Fr., 1881); on *Quercus suber*, (LNS): Malençon & Bertault (1959b).
- Trametes extenuata*; on *Quercus pyrenaica*, *Q. suber*, *Morus alba* & *Cistus* sp., (LNS): Malençon & Bertault (1959b).
- Trametes rubescens* (Alb. & Schwein.) Fr., (1838), (= *Daedaleopsis confragosa* (Bolton) J. Schröt., 1888); on *salix* sp., with *Trametes cervina*, (SNS), (LNS): Malençon & Bertault (1961b).
- Ungulina annosa* (Fr.) Pat., (1900), (= *Heterobasidion annosum* (Fr.) Bref., 1888); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).
- Ungulina fomentaria* (L.) Pat., (1900), (= *Fomes fomentarius* (L.) J. J. Kickx, 1867); on *Betula alba*,



Quercus pyrenaica & *Morus alba*, (LNS): Malençon & Bertault (1959b).

-*Ungulina marginata* (Pers.) Bourdot & Galzin, (1928), (= *Fomitopsis pinicola* (Sw.) P. Karst., 1881); on cedar, (LNS), (SNS): Malençon & Bertault (1959b).

-*Ungulina ochroleuca* (Berk.) Pat., (1900), (= *Pereniporia ochroleuca* (Berk.) Ryvarden, 1972); on *Halimium halimifolium* dead, (LNS): Malençon & Bertault (1959b).

-*Ungulina quercina* (Schrad.) Pat., (1900), (= *Piptoporus quercinus* (Schrad.) P. Karst., 1881); on *Quercus faginea* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1969).

-*Ungulina substratosa* Malençon, (1956); on fallen trunks of cedar, (LNS), (SNS): Malençon & Bertault (1959b).

Family: Sparassidaceae

-*Sparassis crispa* (Wulfen) Fr., (1821); on strain of cedar, (LNS), (SNS): Malençon & Bertault (1959b).

Order: Russulales

Family: Auriscalpiaceae

-*Lentinellus omphalodes* (Fr.) Karst., (= *Lentinellus cystidiosus* R.H. Petersen, 2004); on *Acer granatense*, *Cedrus* sp., *Cistus* sp., *Erica arborea*, *Myrtus communis*, *Pinus halepensis*, *Pinus pinea*, *Quercus suber* & *Tetraclinis articulata*, (LNS): Malençon & Bertault (1959c, 1970b).

-*Lentinellus vulpinus* (Sow. ex Fr.) Kühner & Maire, (1934), (= *Lentinellus* aff. *Ursinus* (Fr.: Fr.) Kühner, 1926); Agaricus Swerby 1802, *Lentinus* Fries 1836, *Hemicybe* Karsten 1879, *Panellus* Murrill 1915; on the surface of sawing a log rotting of *Abies pinsapo* (Jbel Tasaote): Malençon & Bertault (1961b, 1970b).

Family: Hericiaceae

-*Dryodon erinaceus* (Bull.) P. Karst., (1882), (= *Hericium erinaceus* (Bull.) Pers., 1797); on *Quercus faginea*, (LNS), (SNS): Malençon & Bertault (1960a).

Family: Lachnocladiaceae

-*Asterostroma ochroleucum* Bres. ex Torrend, (1913) (= *Asterostroma cervicolor* (Berk. & M. A. Curtis) Masee, (1889); on *Abies pinsapo*, (LNS): Malençon & Bertault (1961b).

Family: *Peniophoraceae*

-*Peniophora argillacea* (Bres.) Sacc. & P. Syd., (1902), (= *Hyphoderma argillaceum* (Bers.) Donk, 1957); on *Cedrus*, (LNS), (SNS): Malençon & Bertault (1967).

-*Peniophora byssoidea* (Pers.) Höhn. & Litsch., (1906), (= *Amphinema byssoides* (Pers.) J. Erikss., 1958); on hidden leaves of *Quercus rotundifolia*, (LNS): Malençon & Bertault (1959c).

-*Peniophora corticalis* (Bull.) Bres., (1897), (= *Peniophora quercina* (Pers.) Cooke, 1879); on *Quercus rotundifolia* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1959c).

-*Peniophora incarnata* (Pers.) P. Karst., (1889); on *Quercus rotundifolia*, (LNS): Malençon & Bertault (1959c).

-*Peniophora incrassata* Malençon, (1952); on dead wood of cedar, (LNS), (SNS): Malençon & Bertault (1959c).

-*Peniophora lycii* (Pers.) Höhn. & Litsch, (1907); on *Erica arborea*, (LNS): Malençon & Bertault (1959c).

-*Peniophora macrospora* Bres., (1913), (= *Phanerochaete martelliana* (Bres.) J. Erikss. & Ryvarden, 1978); on *Cistus* sp. & *Erica* sp., (LNS), (SNS): Malençon & Bertault (1959c).

-*Peniophora meridionalis* Boidin, (1958); on *Quercus suber*, *Viburnum tinus* & *Cistus* sp, (LNS): Malençon & Bertault (1959c).

-*Peniophora mollis* (Bres.) Bourdot & Galzin, (1912), (= *Hypochniciellum molle* (Fr.) Hjortstam, 1981); on cedar, (SNS), (LNS): Malençon & Bertault (1961a).

-*Peniophora nuda* (Fr.) Bres., (1897); on *Erica arborea* & *Pistacia lentiscus*, (LNS): Malençon & Bertault (1961a).

-*Peniophora pilatiana* Pouzar & Svrček, (1953); on *Erica arborea*, *Nerium oleander*, *Cistus* sp. (LNS): Malençon & Bertault (1959c).

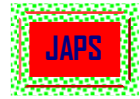
-*Peniophora roumegueri* (Bres.) Bres., (1926), (= *Pblebiopsis roumegueri* (Bres.) Jülich & Stalpers [as 'roumeguerii'], 1980); on *Quercus rotundifolia*, *Nerium oleander* & *Rubus ulmifolius*, (LNS): Malençon & Bertault (1959c).

-*Peniophora rufomarginata* (Pres.) Bourdot & Galzin, (1913); on *Populus* sp., (LNS), (SNS): Malençon & Bertault (1969).

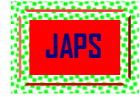
-*Peniophora versiformis* (Berk. & M.A. Curtis) Bourdot & Galzin, (1928); on cedar, (SNS), (LNS): Malençon & Bertault (1961a).

-*Peniophora versiformis* var. *carbonicola* (Pat.) Boidin, (1958); on *Abies pinsapo*, (LNS): Malençon & Bertault (1969).

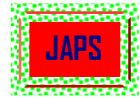
Family: Russulaceae



- Lactarius chrysorrhoeus* Fr., (1839); in the woods of *Quercus faginea*, *Q. pyrenaica*, *Q. suber* (Akarrate, Bab-er-Rouida, Bab-Tariouentz): Malençon & Bertault (1960b).
- Lactarius cimicarius* (Batsch) Gillet, (1876), (= *Lactarius camphoratus* (Bull.) Fr., 1838); (*Lactarius cimicarius* sensu NCL, (1960), sensu J.E. Lange, (= *Lactarius subumbonatus* Lindgr, 1845); (LNS), (SNS): Malençon & Bertault (1960b).
- Lactarius circellatus* Fr., (1838) (= *Lactarius ilicis Sarnari*); under *Quercus suber* (Dardara): Malençon & Bertault (1961b).
- Lactarius deliciosus* (L.) Gray, (1821); (LNS), (SNS): Malençon & Bertault (1960b).
- Lactarius deliciosus* f. *rubescens* J. Aug. Schmitt**, (1974); in 2004 in the forest of Gourougou.
- Lactarius deterrimus* Gröger**, (1968); in 2004 in the forest of Gourougou.
- Lactarius fuliginosus* (Fr.) Fr., (1838), sensu Cooke, (= *Lactarius romagnesii* Bon, 1979), sensu auct., (= *Lactarius azonites* (Bull.) Fr., 1838); under *Quercus suber* (Akarrate, Dardara): Malençon & Bertault (1961a).
- Lactarius fulvissimus* Romagn., (1954); under *Quercus faginea*, *Q. rotundifolia* & *Q. suber* (Dardara): Malençon & Bertault (1961b).
- Lactarius insulsus* (Fr.) Fr., (1838), sensu NCL (1960), Phillips, (1981), (= *Lactarius zonarius* (Bull.) Fr., 1838), sensu A.A. Pearson, auct. Eur., (= *Lactarius acerrimus* Britzelm); under the oaks (Dardara), (SNS): Malençon & Bertault (1961b).
- Lactarius lacunarum* (Romagn.) J. E. Lange, (1940), Romagn. ex Hora, (1960); under *Quercus faginea*, *Q. pyrenaica* (Jbel Outka): Malençon & Bertault (1969).
- Lactarius mairei* Malençon, (1939); under the *Quercus* preferably in mountain (Bab er- Rouida), (SNS): Malençon & Bertault (1961b).
- Lactarius mitissimus* (Fr.) Fr., (1838), (= *Lactarius aurantiacus* (Pers.: Fr.) Gray, (1821); under *Cedrus* sp., *Betula* sp., *Pinus halepensis* & *Quercus pyrenaica* (Akarrate, Arib of Ktama, Chaouene, Dardara, Jbel Khzana): Malençon & Bertault (1960b).
- Lactarius pergamenus* (Sw.) Fr., (1838), sensu auct., (= *Lactarius piperatus* (L.) Pers., 1797); forests of *Quercus suber* & under *Pinus* (Akarrate): Malençon & Bertault (1961a).
- Lactarius piperatus* (L.) Pers., (1797) (= *Lactarius glaucescens* Crossl); under *Quercus suber* & *Pinus pinea* (Akarrate, Dar Chaoui): Malençon & Bertault (1967).
- Lactarius pyrogalus* (Bull.) Fr., (1838) (= *Lactarius ilicis Sarnari*); under *Quercus suber* (Dardara): Malençon & Bertault (1967).
- Lactarius quietus* (Fr.) Fr., (1838) (= *Lactarius quietus* (Fr.: Fr.) Fr); forests of *Quercus faginea* & *Q. suber* (Akarrate, Bar-er-Rouida): Malençon & Bertault (1960b).
- Lactarius rugatus* Kühner & Romagn., (1954), (= *Lactarius rugatus* Kühner & Romagn); under *Quercus suber* (Akarrate, Chaouene): Malençon & Bertault (1967).
- Lactarius salmonicolor* R. Heim & Lechair, (1953); under *Pinus pinaster* & *P. pinea* (Issaguene): Bertault (1978).
- Lactarius sanguifluus* (Paulet) Fr., (1838); under the *Pinus*, Bni-Dercul, Melilla, (SNS): Maire & Werner (1937): Malençon & Bertault (1961a), in 2005 in the forest of Gourougou.
- Lactarius scrobipes* Kühner & Romagn., (1953) (= *Lactarius zonarius* (Bull.) Fr.); under *Quercus* sp., (Akarrate): Bertault (1978).
- Lactarius subdulcis* (Pers.) Gray, (1821) (= *Lactarius fluvissimus* Romagn.); under *Quercus faginea* & *Q. pyrenaica* (Bab-Tariouentz, Dardara): Malençon & Bertault (1960b).
- Lactarius tesquorum* Malençon, (1979); in cork oak clear at *Cistus monspeliensis*, (LNS): Bertault (1978).
- Lactarius torminosus* (Schaeff.) Gray, (1821); under *Quercus suber* (Akarrate, Chaouene): Malençon & Bertault (1960b).
- Lactarius uvidus* (Fr. ex Fr.) Fr., (1838) (= *Lactarius uvidus* (Fr.) Fr.); under *Pinus* sp. & *Quercus suber* (Akarrate, Bni-Hadifa, Dardara): Malençon & Bertault (1960b).
- Lactarius vellerens* (Fr.) Fr., (1838), (= *Lactarius vellerens* var. *vellerens* (Fr.) Fr., 1838); under *Quercus suber* (Akarrate): Malençon & Bertault (1961a), en 2004 dans la forêt de Gourougou.
- Lactarius vietus* (Fr.) Fr., (1838) (= *Lactarius ilicis Sarnari*); clear forests at *Quercus suber* (Dardara), (LNS): Malençon & Bertault (1967).
- Lactarius zonarius* f. *scrobipes* (Kühner & Romagn.) Quadr., (1985); (LNS), (SNS): Malençon & Bertault (1969).
- Lactarius zonarius* (Bull. ex St. Amans) Fr., NCL (1960), sensu R. Phillips (1981), (= *Lactarius evosmus* Kühner et Romagn., 1954) (= *Lactarius zonarius* (Bull.) Fr.); under *Quercus suber* & *Q. rotundifolia* (Dardara), (LNS): Malençon & Bertault (1969).



- Russula adusta* (Pers.) Fr., (1838); under *Cedrus* sp., *Pinus* sp. & *Quercus suber* (Akarrate, Jbel Dahdoh, Jbel Khzana, Ktama): Malençon & Bertault (1960b), Bertault (1978).
- Russula aeruginosa* Krombh., (1845), Masee, (1914), Pers.; under *Pinus halepensis*, *P. pinea* & *Quercus suber* (Bni Dercul): Malençon & Bertault (1961b), Bertault (1978).
- Russula amoena* A. A. Pearson (1948), Qué. (1881) (= *Russula violeipes* Qué., (1898)); (LNS), (SNS): Malençon & Bertault (1960b), in 2005 in the forest of Gourougou.
- Russula amoenicolor* Romag., (1962); under *Eucalyptus* sp., *Pinus* sp. & *Quercus* sp., (Bab-Tariouentz), Bertault (1978).
- Russula anthracina* var. *carneifolia* Romagn., (1962), (= *Russula anthracina* Romagn., (1962); under *Cedrus* (Ktama), (SNS): Malençon & Bertault (1967), Bertault (1978).
- Russula atropurpurea* (Krombh.) Britzelm., (1893); under *Pinus* sp., *Quercus faginea*, *Q. pyrenaica*, & *Q. suber* (Jbel Outka): Malençon & Bertault (1969), Bertault (1978).
- Russula aurata* Fr., (1838), (= *Russula aurea* Pers., (1796); under *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber* (Bab-Tariouentz): Malençon & Bertault (1967), Bertault (1978).
- Russula basifurcata* Peck., (1885); under *Cedrus* sp., (Jbel Dahdoh): Bertault (1978).
- Russula carminea* (Jul. Schaeff.) Kühner et Romagn., (1967), (= *Russula aquosa* Leclair, 1932); in border of a temporary pond (Bab-Tariouentz), (SNS): Malençon & Bertault (1961b), Bertault (1978).
- Russula chamaeleontina* var. *lutea* (Huds.) **Melzer & Zvara**, (1927); under *Quercus suber* (Dardara): Malençon & Bertault (1967), Bertault (1978).
- Russula chamaeleontina* (Lasch) Fr., (1838), (= *Russula risigallina* (Batsch) Sacc., 1915); under *Quercus rotundifolia*, *Q. pyrenaica* & *Q. suber* (Bab-Tariouentz), Bertault (1978).
- Russula cyanoxantha* (Schaeff.) Fr., (1863); (Akarrate, Ketama), (SNS): Malençon & Bertault (1961a), Bertault (1978).
- Russula delica* Fr., (1838); *Quercus* wood (Akarrate, Azib of Klama, Bab-Tariouentz, Chaouene, Issaguene), (SNS): Malençon & Bertault (1959c), Bertault (1978), in 2005 in the forest of Gourougou.
- Russula delica* var. *glaucophylla* Qué., (1901); under *Abies pinsapo*, *Pinus* sp. & *Quercus* sp., (Talassentane): Malençon & Bertault (1961b).
- Russula densifolia* NCL (1960), Rayner (1985), **Gillet** (1876), (= *Russula acrifolia* Romagn., 1997); in the cedar (Jbel Dahdoh), under *Quercus pyrenaica* & *Q. suber* (Bab-Tariouentz): Bertault (1978).
- Russula foetens* Pers.: Fr., (1796); (LNS), (SNS): Abourouh, (2000).
- Russula font-queri* Singer ex Singer, (1947); (LNS), (SNS): Malençon & Bertault (1969).
- Russula fragilis* (Pearson & Dennis, 1948), (= *Russula betularum* Hora, 1960); wood of *Quercus suber* (Chaouene), on *Q. faginea* (Jbel Outka): Malençon & Bertault (1961a), Bertault (1978).
- Russula fragrantissima* Romagn., (1967); under *Pinus* & *Quercus suber* (Akarrate): Malençon & Bertault (1969), Bertault (1978).
- Russula grisea* var. *basifurcata*; (LNS), (SNS): Malençon & Bertault (1960b).
- Russula lepida* (Fr.: Fr.) Fr., (1836), (= *Russula rosea* Pers., (1796); (SNS), (LNS): Malençon & Bertault (1961a).
- Russula lilacea* Qué., (1876); under *Quercus rotundifolia* & *Q. suber* (Akarrate): Bertault (1978).
- Russula livescens* (**Batsch**) **Bataille**, (1908), **sensu Lange**, (1940), (= *Russula insignis* Qué., 1888); under *Quercus suber* (Akarrate): Bertault (1978).
- Russula lutea* (**Huds.**) **Gray**, (1821), auct. Mult., (= *Russula risigallina* (Batsch) Sacc., 1915), sensu auct., (= *Russula acetolens* **Rauschert**, 1989); (LNS), (SNS): Malençon & Bertault (1961b).
- Russula mairei* Singer, (1929), (= *Russula nobilis* Velen., 1920); under *Quercus suber* (Akarrate): Malençon & Bertault (1969), Bertault (1978).
- Russula melzeri* Zvara, (1927); under *Quercus pyrenaica* (Bab-Tariouentz): Malençon & Bertault (1967), Bertault (1978).
- Russula nigricans* Fr., (1938); under *Quercus suber* (Dardara): Malençon & Bertault (1961b), Bertault (1978).
- Russula ochroleuca* (**Pers.**) **Fr.**, 1838; in 2005 in the forest of Gourougou.
- Russula olivacea* (Schaeff.) Fr., (1838); under *Pinus* & *Quercus suber* (Akarrate): Malençon & Bertault (1960b), Bertault (1978).
- Russula olivacea* var. *roseola* Lange, (1926); on *Quercus suber* (Dardara): Malençon & Bertault (1969), Bertault (1978).
- Russula pectinata* NCL, (1960), sensu Rayner, (1985), (= *Russula pectinatooides* Peck., (1907); on *Quercus suber* (Akarrate): Malençon & Bertault (1960), Bertault (1978).
- Russula puellaris* Fr., (1838); under *Quercus rotundifolia* & *Q. suber* (Akarrate): Malençon & Bertault (1967), Bertault (1978).



-*Russula queletii* Fr., (1872), in 2005 in the forest of Tizirene.

-*Russula rosacea* (Pers.) Gray, (1821), (= *Russula sanguinaria* (Schumach.) Rauschert., 1989); under *Quercus suber* (Chaouene): Bertault (1978).

-*Russula roseola*, (LNS), (SNS): Malençon & Bertault (1969), Bertault (1978).

-*Russula rubroalba* (Singer) Romagn., (1967); under *Quercus suber* (Dardara), (LNS): Malençon & Bertault (1967), Bertault (1978).

-*Russula straminea* Malençon, (1942); under *Quercus rotundifolia* & *Q. suber* (Akarrate): Malençon & Bertault (1967), Bertault (1978).

-*Russula subfoetens* Rea, (1922), (= *Russula farimipes* Romell, 1893); under *Quercus rotundifolia* & *Q. suber* (Akarrate): Malençon & Bertault (1960b), Bertault (1978).

-*Russula sublevispora* (Romagn.) Kühner & Romagn., (1967); in cedar (Ktama), (SNS): Malençon & Bertault (1967), Bertault (1978).

-*Russula torulosa* Bres., (1929); under *Pinus halepensis*, *P. pinaster* & *P. pinea* (Bni Dercul; Issaguene): Malençon & Bertault (1960b), Bertault (1978).

-*Russula turci* (Bres.), (1881); in Cedar forests and under the *Pinus* (Azib of Ktama, Bab-Bessene, Jbel Dahdoh, Ktama), Bertault (1978).

-*Russula ulacea*, (LNS), (SNS): Malençon & Bertault (1967).

-*Russula versicolor* var. *intensior* (Cooke) Romagn., (1953); under *Quercus suber* (Akarrate): Malençon & Bertault (1961b), Bertault (1978).

-*Russula vesca* Fr., (1838); under *Pinus* sp. & *Quercus suber* (Akarrate, Jbel Outka and Ktama): Malençon & Bertault (1960b), Bertault (1978).

-*Russula virescens* (Schaeff.) Fr., (1836); under *Eucalyptus* sp., *Pinus* sp. & *Quercus* sp., (Chaouen): Malençon & Bertault (1960b), Bertault (1978).

-*Russula xerampelina* (Schaeff.) Fr., (1838), (= *Russula xerampelina* var. *xerampelina* (Schaeff.) Fr., 1838) (= ***Russula erythropus* Fr. ex Pelt., 1908**); under *Quercus pyrenaica* & *Q. suber* (Bab Tariouentz): Bertault (1978).

Family: Stereaceae

-*Aleurodiscus acerinus* (Pers.) Höhn. & Litsch., (1907), (= *Dendrothele acerina* (Pers.) P.A Lemke, 1965); on *Quercus faginea* & *Q. pyrenaica*, (LNS): Malençon & Bertault (1969).

-*Aleurodiscus atlanticus* Maire, (1917); on living trunks of Cedars, (LNS), (SNS): Malençon & Bertault (1959b).

-*Aleurodiscus disciformis* (D.C.) Pat., (1894); on the trunks of *Quercus rotundifolia* L., Sidi Lahcen near Bab Taza: Maire & Werner (1937).

-*Aleurodiscus ionides* (Bres.) Bourdot & Galzin, (1913); in the crevices of the trunk of old olive trees, (LNS), (SNS): Malençon & Bertault (1959b).

-*Gloeocystidium luridum* (Bres.) Höhn. & Litsch., (1907), (= *Gloeocystidiellum luridum* (Bres.) Boidin, 1951); on *Pistacia lentiscus*, (SNS), (LNS): Malençon & Bertault (1961a).

-*Stereum fuscum* Britzelm., (1897); on *Quercus pyrenaica*, (LNS): Malençon & Bertault (1959b).

-*Stereum gausapatum* (Fr.) Fr., (1874); on *Quercus suber*, (LNS): Malençon & Bertault (1959).

-*Stereum hirsutum* (Willd.) Pers., (1800); on *Betula alba*, *Quercus pyrenaica*, *Q. suber*, & *Alnus glutinosa*, (LNS): Malençon & Bertault (1959b).

-*Stereum pini* (Schleich.) Fr., (1838), (= *Peniophora pini* (Schleich.) Boidin, 1956); on *Pinus pinaster*, (LNS): Malençon & Bertault (1959b).

-*Stereum repandum* (Fr.) Fr., (1838); on *Olea europaea*, (LNS): Malençon & Bertault (1961a).

-*Stereum sanguinolentum* (Alb. & Schwein.) Fr., (1838); on *Cedrus*, (LNS), (SNS): Malençon & Bertault (1969).

-*Stereum spadiceum* Fr., (1838), sensu auct. (= ***Stereum gausapatum* (Fr.) Fr., 1874**); on *Quercus suber*, (LNS): Malençon & Bertault (1959b).

-*Stereum sulphuratum* Berk. & Ravenel, (1868); on twigs, (LNS), (SNS): Malençon & Bertault (1959b).

Order: Thelephorales

Family: Bankeraceae

-*Calodon ferrugineum*; under the *Pinus halepensis*, (LNS): Malençon & Bertault (1960a).

-*Sarcodon imbricatus* (L.) P. Karst., (1881); on land under the cedars, (LNS), (SNS): Malençon & Bertault (1959b).

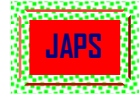
Family: Thelephoraceae

-*Caldesiella viridis* (Alb. & Schwein.) Pat., (1900), (= *Amaurodon viridis* (Alb. & Schwein.) J. Schröt., 1888); on *Salix* (v. *Prunus* ?), (LNS), (SNS): Malençon & Bertault (1960a).

-*Phylacteria terrestris* (Ehrh.) Pat., (1900), (= *Thelephora terrestris* Ehrh., 1787); (SNS), (LNS): Malençon & Bertault (1961a).

-*Tomentella ferruginea* (Pers.) Pat., (1887); on *Quercus faginea*, (LNS), (SNS): Malençon & Bertault (1960a).

-*Tomentella fuscella* (Sacc.) S. Lundell, (1954); on *Quercus suber*, (LNS): Malençon & Bertault (1969).



-*Tomentella isabellina* (Fr.) Höhn. & Litsch., (1906), (= *Botryohypochnus isabellinus* (Fr.) J. Erikss., 1958); on *Populus nigra*, (SNS), (LNS): Malençon & Bertault (1961a).

-*Tomentella pannosa* (Berk. & M. A. Curtis) Bourdot & Galzin, (1924), (= *Tomentella radiosa* (P. Karst.) Rick, 1934); on *Quercus* sp., (LNS), (SNS): Malençon & Bertault (1961b).

-*Tomentella rubiginosa* (Bres.) Maire, (1906), (= *Tomentella punicea* (Alb. & Schwein.) J. Schröt., (1888); on *Arbutus unedo*, (LNS): Malençon & Bertault (1961a).

-*Tomentella tenebrosa* Malençon, (1954); on dead *Cedrus* and stones around, (LNS), (SNS): Malençon & Bertault (1961b).

-*Tomentella testaceogilva* Bourdot & Galzin, (1924); on *Quercus suber*, (LNS): Malençon & Bertault (1967).

-*Tomentella tristis* (P. Karst.) Höhn. & Litsch., (1906), (= *Pseudotomentella tristis* (P. Karst.) M.J. Larsen, 1971); on *Pistacia lentiscus*, (LNS): Malençon & Bertault (1961a).

Order: Tremellales

Family: Tremellaceae

4 CONCLUSION

The catalog of the fungal flora of the Rif underlines a specific richness of 752 species belonging to the class of Basidiomycetes, divided into 19 orders, 62 families and 165 kinds. Among this fungal flora of the Rif 15 are newly introduced to scientific classification:

Ciltocybe flaccida var. *fibrillosa* Malençon,
Cortinarius herculeus Malençon,
Cortinarius scobinaceus Malençon & Bertault,
Hebeloma pallidum Malençon,
Inocybe grammopodia Malençon,
Inocybe scabelliformis Malençon,
Inocybe tristis Malençon & Bertault,
Lactarius tequorum Malençon,
Lentinus adhaerens var. *inadhaerens* Malençon & Bertault,
Lepiota melanotricha Malençon & Bertault,
Melanolenca bataillei Malençon,
Mycena epipterygia (Scopoli ex Fries) Quélet var. *atrovirescens* Malençon,
Mycena seynesiella Malençon,
Tricholoma saponaceum (Fries) Kummer forma *carneifolium* Bertault,

-*Tremella atrovirens* (Fr.) Sacc., (1888), (= *Byssocorticium atrovirens* (Fr.) Bondartsev & Singer, 1944); on dead stump of *Genista anglica*, (LNS): Malençon & Bertault (1961a).

-*Tremella foliacea* Pers., (1800); on *Quercus faginea*, (SNS): Malençon & Bertault (1961a).

-*Tremella mesenterica* Schumach., (1803); on *Quercus pyrenaica*, *Q. suber* and unidentified twigs, (LNS): Malençon & Bertault (1959b).

-*Tremella violacea* Relhan, (1785), (= *Auricularia mesenterica* (Dicks.) Pers., 1822); on dead wood, (LNS), (SNS): Malençon & Bertault (1959b).

Order: Tulasnellales

Family: Tulasnellaceae

-*Tulasnella violacea* (Quélet) Bourdot & Galzin, (1909); on *Quercus* sp., (LNS), (SNS): Malençon & Bertault (1961b).

Order: Tulostomatales

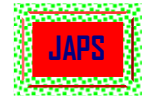
Family: Tulostomaceae

-*Tylostoma tortuosum* Ehrenb., (= *Tylostoma volvulatum* Borsch.); (LNS), (SNS): Malençon & Bertault (1961a).

Xeromphalina fellea Maire & Malençon).

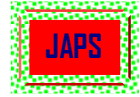
This inventory reproduces the information gathered from the bibliography. The current status of the taxa reported, common or new, was also verified in this study (Courtcuise & Duhem, 1994; Malençon & Bertault, (1970, 1975), and Moreau et al., 2009). Of this bibliographical synthesis, we note that interest in the mycoflora of the Rif has maintained from the forties.

Taxonomic work undertaken in the Rif region is far from reflecting the biodiversity potential of the various groups of fungi. The chronology of these studies has also slowed clearly from 1980 underlining the low local interest in the identification of fungi, a situation which persists nowadays. But apart from these works, the results provide a database essential to understanding the richness of the current fungal flora. The whole of the Rif remains largely unexplored with respect to other groups of fungi. The work done in the Rif did not appeal to living cultures of fungi; they are based on the specimens collected in the wild.

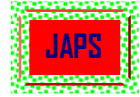


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