

THE MYXOMYCETES OF SWITZERLAND AND LIECHTENSTEIN

A check-list and census catalogue of the recorded species

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Summary: 366 species of myxomycetes and one acrasid are listed for Switzerland and Liechtenstein, together with the cantons from which they have been recorded. The list is especially rich in alpine (snowline) species and those growing on the bark of living trees.

Introduction

In the early decades of the twentieth century Swiss mycologists were discovering numerous new species of myxomycetes, especially at the edge of melting snow in the mountains in late spring. Visitors from other countries were encouraged to join in the search and between them they demonstrated the richness of the group in the Alps. In 1991 the present author made the first of thirty collecting trips and over the years visited every canton, as well as Liechtenstein, and collected bark, for culture in moist chambers. Collecting snow-line species was also a major aim and this was later shared with specialists from neighbouring countries. As comparatively few publications at the end of the century referred specifically to Swiss material it was decided to produce the following list. It is hoped that this will encourage further exploration of the country.

Sources

The most important sources are the twenty publications of Charles Meylan of Ste. Croix (VD) who investigated the myxomycetes of the Jura, equally in Vaud and Neuchatel, the Vaud Alps and parts of Valais and Graubunden, during the first four decades of the 20th century. He described many new species from the Jura, most of which are accepted today. He was especially interested in those species fruiting on vegetation at the edge of melting snow in the spring, in montane forest and alpine pastures. The bulk of his collection is at Lausanne but representative material may be found in herbaria in many countries. Meylan did not publish a full list of the Swiss species, the only account which specifically listed all the known Swiss myxomycetes is that of Schinz (1906) – his material is at Zurich. Arthur and Gulielma Lister visited Arolla and Arosa and published reports of their finds; most importantly, Gulielma Lister was in regular correspondence with Meylan. In 1993 the European Council for the Conservation of Fungi held a meeting near Neuchatel, with forays, and, in 2000, members of the British Mycological Society spent a week foraying in Vaud, Neuchatel and Bern cantons. In 2009 the Society again visited Switzerland, this time being based in Interlaken, and concentrated on alpine fungi and myxomycetes. The corticolous species were dealt with by Ing (1997, 1999) who added many new records for Switzerland. The beautifully illustrated volumes on German myxomycetes by Neubert et al. (1993,1997,2000) include most Swiss species, as does the equally well

illustrated *Les Myxomycètes* (Poulain, Meyer & Bozonnet, 2011.) The other accounts in the bibliography include references to, or actual records of, Swiss myxomycetes, but often with little detail, or involving very few species.

The following herbaria have been studied and Swiss material examined: Royal Botanic Gardens, Kew, U.K. (**K**) (Lister, Meylan and Howard collections, etc.); British Museum (Natural History), U.K. (**BM**) (Lister and Meylan collections, etc.); University of Zurich Botanic Garden (**ZZT**) (Schinz, Volkart and Meylan collections, etc.); University of Lausanne Botanic Garden and Cantonal Museum (**LAU**) (Meylan, Villaret and Wüst collections, etc.); Conservatoire and Botanic Gardens, Geneva (**GE**) (Vonviller collections, etc.); Cantonal Museum, Lugano (**LUG**) (Lucchini collections, etc.); Institute of Botany, University of Neuchatel (**NE**) (Keller and Rossier collections, etc.), and the Botanical Institute, University of Bern (**BE**) (Fisher, Jaap, some Meylan collections, etc.), now incorporated into **ZZT**. Numerous voucher specimens are held in the author's herbarium, which will ultimately reside at the Royal Botanic Garden, Edinburgh (**E**).

Several individuals have contributed records from their own researches to this list: A.-M. Fiore (Geneva), J.B. Hall (U.K.), B. Ing (U.K.), C. Lado (Spain); R. McHugh (Ireland), D.W. Mitchell (U.K.), W. Nowotny (Austria), and El Hacene Seraoui (Geneva).

Arrangement of the catalogue

Genera and species are listed alphabetically within families. Synonyms are given so that names used in earlier publications on Swiss species can be more easily interpreted. An asterisk indicates that the taxon was originally described from Swiss material. After a species name (C) indicates a species characteristically isolated from the bark of living trees (corticolous myxomycetes) while (N) indicates a species characteristically found at the edge of melting snow in the spring (nivicolous myxomycetes.) The standard abbreviations for cantons are used and imply an accepted record from that state. FL is used to represent the Principality of Liechtenstein.

Acknowledgement

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Phylum HETEROLOBOSEA
Class ACRASIOMYCETES
Order ACRASIDALES
Family Guttulinaceae

Pocheina rosea (Cienk.) A.R. Loeb. & Tappan (C)
Guttulina rosea Cienk.
AG, AI, AR, BE, GE, GR, JU, LU, OW, SG, SZ, TG, TI, UR, VD, VS, ZH.

Phylum MYXOMYCOTA
Class CERATIOMYXOMYCETES
Order CERATIOMYXALES
Family Ceratiomycaceae

Ceratiomyxa fruticulosa (O.F. Müll.) T. Macbr. var. **fruticulosa** nom.cons.
Famintzinia fruticulosa (O.F. Müll.) Lado var. *fruticulosa*
AI, BE, FR, GE, GL, GR, JU, LU, NE, SG, SO, SZ, TG, TI, UR, VD, VS, ZG, ZH.
var. **arbuscula** (Berk. & Broome) Pat.
NE, VD.
var. **caesia** (E. Jahn) G. Lister
BE.

Ceratiomyxa porioides Alb. & Schwein.
Ceratiomyxa fruticulosa var. *porioides* (Alb. & Schwein.) Lister
Famintzinia porioides (Alb. & Schwein.) Hazsl.
NE, VD.

Class MYXOMYCETES
Sub-class *Lucisporomycetidae*
Order CRIBRARIALES
Family Cribrariaceae

Cribraria argillacea (Pers.) Pers.
BE, GR, JU, LU, NE, SG, SO, VD, VS, ZH.

Cribraria atrofusca G.W. Martin & Lovejoy
Cribraria pyriformis var. *fuscopurpurea* Meylan
NE, VD.

Cribraria aurantiaca Schrad.
BE, GR, LU, NE, OW, SG, UR, VD, ZH.

Cribraria cancellata (Batsch) Nann.-Bremek. var. **cancellata**
Dictydium cancellatum (Batsch) T. Macbr.
AG, BE, FR, GE, GR, JU, LU, NE, SG, SZ, TG, VD, VS, ZH.
var. **fusca** (Lister) Nann.-Bremek.
BE, LU, NE, VD, ZH.

Cribraria dictydioides Cooke & Balf. ex Massee
Cribraria intricata var. *dictydioides* (Cooke & Balf. ex Massee) Lister
VD,ZH.

Cribraria elegans Berk. & M.A. Curt. in Berk.
BE,NE,VD.

***Cribraria exigua** Meylan
VD.

***Cribraria ferruginea** Meylan
BE,GR,SG,SZ,VD,VS.

Cribraria intricata Schrad.
AG,BE,NE,VD,ZH.

Cribraria languescens Rex
NE,VD.

***Cribraria lepida** Meylan
VD.

Cribraria macrocarpa Schrad.
BE,GE,GR,NE,OW,UR,VD,ZH.

***Cribraria meylanii** Brandza
Cribraria rubiginosa Fries var. *longipes* Meylan
BE,GR,NE,SZ,VD.

Cribraria microcarpa (Schrad.) Pers.
BE,GE,GL,TI,VD.

Cribraria minutissima Schwein.
VD.

Cribraria mirabilis (Rostaf.) Massee
Dictydium mirabile (Rostaf.) Meylan; *D. cancellatum* (Batsch) T. Macbr. var. *alpinum* Lister
BE,GR,NE,VD.

Cribraria oregana H.C. Gilbert
VD.

Cribraria persoonii Nann.-Bremek.
AI,BE,GE,NE,VD.

Cribraria pyriformis Schrad. var. **pyriformis**
AI,GR,NE,VD,VS,ZH.
var. ***macrocarpoidea** Meylan
VD.

Cribraria purpurea Schrad.

BE,GR,NE,VD.

Cribraria rufa (Roth) Rostaf.

BE,FR,GE,GR,JU,NE,SG,SZ,VD,VS,ZH.

Cribraria splendens (Schrad.) Pers.

BE,SG,VD.

Cribraria tenella Schrad.

BE,GR,NE,VD.

Cribraria violacea Rex (C)

AG,AI,BE,BL,FR,GE,GL,JU,LU,NE,OW,SG,SZ,TI,UR,VD,ZH.

Cribraria vulgaris Schrad

VD,VS.

Licaethalium olivaceum (Ehrenb.) Rostaf.

Reticularia olivacea (Ehrenb.) Fr. ; *Enterium olivaceum* Ehrenb.

VD.

Lindbladia tubulina Fr.

Lindbladia effusa (Ehrenb.) Rostaf.

BE,GR,VD.

Order LICEALES

Family Liceaceae

Licea belmontiana Nann.-Bremek. (C)

AG,AI,BE,FR,GE,GL,GR,LU,NE,SO,SZ,TG,TI,VD,VS,ZG.

Licea biforis Morgan (C)

BE,BS,GE,GR,SG,TI,VD,VS,ZG.

Licea bryophila Nann.-Bremek. (C)

AI,BE,GE,GL,GR,NW,TI.

Licea castanea G. Lister (C)

GL,GR,NE,SG,SZ,TI,VD.

Licea chelonoides Nann.-Bremek. (C)

BE.

Licea denudescens H.W. Keller & T.E. Brooks (C)

AG,BE,BL,BS,FR,GE,GR,LU,SG,TG,TI,VD,VS,ZG.

***Licea eleanorae** Ing (C)

SG,TI.

Licea gloeoderma Döbbeler & Nann.-Bremek. (C)
BE.

Licea inconspicua T.E. Brooks & H.W. Keller (C)
AR,BE,GL,GR,JU,TG,TI,VS,ZG,ZH.

Licea kleistobolus G.W. Martin (C)
All cantons.

Licea margaritacea Ing (C)
BE.

Licea marginata Nann.-Bremek. (C)
AI,AR,BE,FR,GR,JU,LU,NE,SG,SO,TG,TI,VD,VS,ZG; FL.

Licea microscopica D.W. Mitchell (C)
AG,BE,BL,GR,SO,TI,VD,VS,ZG,ZH.

Licea minima Fries (C)
BE,BL,GR,LU,NE,SG,TI,VD,ZG,

Licea nannengae Pando & Lado (C)
BE.

Licea operculata (Wingate) G.W. Martin (C)
Orcadella operculata Wingate
BE,GE,GR,LU,NE,SG,SZ,TI,VD.

Licea parasitica (Zukal) G.W. Martin (C)
Hymenobolina parasitica Zukal
All cantons; FL.

Licea pedicellata (H.C. Gilbert) H.C. Gilbert (C)
BE,TI,VS.

Licea perexigua T.E. Brooks & H.W. Keller (C)
GE,GR,TG.

Licea pusilla Schrad. (C)
AI,BE,BS,GL,GR,NE,SG,TG,VD.

***Licea pygmaea** (Meylan) Ing (C)
Licea pusilla var. *pygmaea* Meylan
AI,AR,BE,BS,FR,GL,GR,LU,NE,SG,TG,TI,VD,VS,ZG.

Licea sambucina D.W. Mitchell (C)
AG,GR,JU,SG,TI,VS.

Licea scyphoides T.E. Brooks & H.W. Keller (C)
BE,FR,GR,GL,LU,OW,TI,VD,VS.

Licea synsporos Nann.-Bremek. (C)
AG,BE,GL,NE,SZ,VD,ZH.

Licea tenera E. Jahn (C)
BE,JU.

Licea testudinacea Nann.-Bremek. (C)
AG,BE,GR,JU,SG,TG,TI,VD,ZG.

Licea variabilis Schrad.
Licea flexuosa Pers.
BE,GR,NE,SG,VD,VS.

Order RETICULARIALES
Family Reticulariaceae

Lycogala confusum Nann.-Bremek. ex Ing
Lycogala epidendrum var. *tesselatum* Lister
GL,GR,OW,VD.

Lycogala conicum Pers.
LU,NE,VD,ZH.

Lycogala epidendrum sensu lato
AG,AI,AR,BE,FR,GE,GL,GR,JU,LU,NE,NW,OW,SG,SH,SO,SZ,TG,TI,VD,VS,ZO,
ZH; FL.

Lycogala epidendrum (L.) Fries *sensu stricto*
BE,FR,GR,LU,NE,NW,OW,SG,SH,SO,SZ,TG,TI,VD,VS,ZH.

Lycogala exiguum Morgan
BE,VD.

Lycogala flavofuscum (Ehrenb.) Rostaf.
BE,TI,VD.

Lycogala terrestre Fries
Lycogala epidendrum pro parte
AI,AR,BE,FR,GE,GL,GR,JU,NE,NW,OW,SG,SH,SO,SZ,TG,TI,VD,VS,ZH.

***Reticularia jurana** Meylan
Enteridium splendens (Morgan) T. Macbr. var. *juratum* (Meylan) Härkönen
FR,NE,TI,VD,VS.

Reticularia lobata Lister
Enteridium lobatum (Lister) M.L. Farr; *Liceopsis lobata* (Lister) Torrend
GR,VD.

Reticularia lycoperdon Bull.

Enteridium lycoperdon (Bull.) M.L. Farr

BE,FR,GE,GR,LU,NE,SO,TI,VD,VS,ZH.

Tubulifera arachnoidea Jacq.

Tubifera ferruginosa (Batsch) J.F. Gmel.

BE,FR,GE,GR,LU,NE,SG,SO,TG,TI,VD,VS,ZH.

Order TRICHIALES
Family Dianemataceae

Calomyxa metallica (Berk.) Nieuw. (C)

Margarita metallica (Berk.) Lister

AG,AI,BE,BL,FR,GE,GR,LU,NE,SH,TI,VD,VS,ZG,ZH.

var. ***intermedia** Meylan

NE,VD.

Dianema corticatum Lister

GE,GR,NE,VD.

Dianema depressum (Lister) Lister

VD.

Dianema harveyi Rex

VD.

***Dianema nivale** (Meylan) Lister (N)

Lamprodermopsis nivalis Meylan

VD.

Prototrichia metallica (Berk.) Massee

BE,GR,NE,VD.

Family Dictydiaethaliaceae

Dictydiaethalium plumbeum (Schum.) Rostaf.

BE,GE,GR,LU,NE,TI,VD,VS.

Family Trichiaceae

Arcyodes incarnata (Alb. & Schwein.) O.F. Cook

Lachnobolus congestus (Sommerf.) Lister

BE,VD.

Arcyria affinis Rostaf.

Arcyria incarnata (Pers.) Pers. var. *fulgens* Lister

NE,VD.

Arcyria cinerea (Bull.) Pers. (C)

AR,BE,BS,FR,GE,GR,LU,NE,NW,SG,TG,TI,VD,VS,ZG,ZH.

Arcyria denudata (L.) Wettst.
BE,FR,GE,GR,LU,NE,OW,SG,SO,TG,TI,VD,ZG,ZH; FL.

Arcyria ferruginea Sauter
BE,FR,GR,NE,SG,SZ,VD,VS.

Arcyria globosa Schwein.
Arcyria albida Pers. var. *globosa* (Schwein.) Lister
VD.

***Arcyria helvetica** (Meylan) Neub., Now. & Baum.
Arcyria incarnata (Pers.) Pers. var. *helvetica* Meylan
GL,VD.

Arcyria incarnata (Pers.) Pers.
AG,BE,GE,GR,LU,NE,NW,SG,SO,TG,TI,UR,VD,ZH.

Arcyria major (G. Lister) Ing
JU.

Arcyria minuta Buchet
Arcyria gulielmae Nann.-Bremek.; *A. carnea* (G. Lister) G. Lister
SH,TG,VD.

Arcyria obvelata (Oeder) Onsberg
Arcyria nutans (Bull.) Grev.
BE,GE,GR,NE,SG,SO,TG,TI,VD,ZH.

Arcyria oerstedtii Rostaf.
GR,NE,TI,VD,ZH.

Arcyria pomiformis (Leers) Fr. (C)
AG,AR,BE,BL,BS,GE,GL,GR,LU,NE,NW,SG,SO,TG,TI,VD,ZH.

Arcyria stipata (Schwein.) Lister
NE,TI,UR,VD.

Arcyria versicolor Phill. (N)
BE,GL,VD,VS.

Hemitrichia abietina (Wigand) G. Lister (C)
Hyporhamma abietina (Wigand) Lado; *Arcyria abietina* (Wigand) Nann.-Bremek.
BE,GR,NE,VD,ZH.

Hemitrichia calyculata (Speg.) M.L. Farr
Hemitrichia stipitata (Masse) T. Macbr.; *Hyporhamma calyculata* (Speg.) Lado
BE,FR,NE,TI,VD.

Hemitrichia clavata sensu lato
AG,BE,FR,GE,GR,NE,NW,OW,SH,SZ,TG,TI,VD,ZH.

Hemitrichia clavata (Pers.) Rostaf.

Hyporhamma clavata (Pers.) Lado

BE,GE,NE,TI,VD,ZH.

Hemitrichia leiotricha (Lister) G. Lister

Hyporhamma leiotricha (Lister) Lado

BE,GR,VD.

Hemitrichia minor G. Lister (C)

Hyporhamma minor (G. Lister) Lado; *Perichaena minor* (G. Lister) Hagelst.

BE,LU.

Hemitrichia serpula (Scop.) Rostaf.

Hyporhamma serpula (Scop.) Lado

BE,GR,JU,NE,NW,OW,SG,TI,VD,ZH; FL.

Metatrichia floriformis (Schwein.) Nann.-Bremek.

Trichia floriformis (Schwein.) G. Lister

AG,BE,LU,NE,SO,TG,TI,VD,ZH.

Metatrichia vesparium (Bastch) Nann.-Bremek.

Hemitrichia vesparium (Batsch) T. Macbr.

AG,BE,GE,GL,GR,NE,NW,OW,SG,SZ,TG,TI,VD,ZH.

Oligonema aurantium Nann.-Bremek.

TI,VD.

Oligonema schweinitzii (Berk.) G.W. Martin

Oligonema nitens (Libert) Rostaf.

TI,VD.

Perichaena chrysosperma (Currey) Lister (C)

AG,AI,BE,BL,BS,FR,GE,GL,GR,JU,LU,NE,OW,SG,SO,SZ,TG,TI,UR,VD,VS,ZG,
ZH; FL.

Perichaena corticalis (Batsch) Rostaf.

AG,BE,GE,GR,NE,VD,ZH.

Perichaena depressa Libert

SG,TI,VD,ZH.

Perichaena vermicularis (Schwein.) Rostaf.

AI,BE,G,L,GR,NE,NW,SG,TI,VD,VS.

Trichia affinis de Bary

Trichia favoginea in part

BE,GE,GR,LU,NE,OW,SG,SO,TG,VD,ZH.

Trichia alpina (R.E. Fr.) Meylan (N)

AI,BE,GL,GR,NE,NW,OW,SG,SO,SZ,TI,UR,VD,VS.

Trichia botrytis (J.F. Gmel.) Pers.
AG,BE,GE,GR,LU,NE,OW,SO,TG,VD,ZH.

Trichia contorta (Ditmar) Rostaf. var. **contorta**
BE,GE,GR,LU,NE,OW,SG,VD,VS,ZH.

var. ***attenuata** Meylan

NE,VD.

var. **inconspicua** (Rostaf.) Lister

NE,SO,VD,ZH.

var. **iwensis** (T. Macbr.) Torrend

VD,VS.

var. **karstenii** (Rostaf.) Ing (C)

Hemitrichia karstenii (Rostaf.) Lister

GE,GR,NE,TI,VD.

***Trichia crenulata** Meylan

VD.

Trichia decipiens (Pers.) T. Macbr. var. **decipiens**

BE,GE,GR,JU,NE,NW,OW,SG,SO,TG,UR,VD,VS,ZH.

var. **hemitrichioides** Brandza

VD.

Trichia erecta Rex

VD.

Trichia favoginea (Batsch) Pers.

AG,BE,GE,GR,LU,NE,NW,SG,SO,TG,TI,VD,ZH; FL.

Trichia flavicoma (Lister) Ing

Trichia botrytis (J.F. Gmel.)Pers. var. *flavicoma* Lister

GE,VD.

Trichia lutescens (Lister) Lister (C)

BE,GR,NE,VD.

***Trichia meylanii** Ing

Trichia decipiens (Pers.)T. Macbr. var. *olivacea* Meylan

Trichia olivacea (Meylan) Krzem. non Withering

GR,NE,VD,VS.

Trichia munda (Lister) Meylan (C)

Trichia botrytis (J.F. Gmel.) Pers. var. *munda* Lister

AG,BE,GE,GL,LU,NE,TI,VD.

Trichia persimilis P. Karsten

Trichia favoginea in part

AG,BE,BL,FR,GE,GR,LU,NE,NW,OW,SG,SO,TI,VD,ZH.

Trichia scabra Rostaf.

AG,BE,GR,NE,OW,SG,TI,VD,ZH.

Trichia sordida Johann. (N)

**Trichia contorta* var. *engadinensis* Meylan
BE, GL, GR, VD, VS.

Trichia subfusca Rex

VD.

Trichia varia (Pers.) Pers.

AG, BE, FR, GE, GL, GR, LU, NE, NW, OW, SO, TG, TI, VD, ZH.

Sub-class Columellomycetidae

Order ECHINOSTELIALES

Family Echinosteliaceae

Echinostelium apitectum K.D. Whitney (C)

VD, VS.

Echinostelium arboreum H.W. Keller & T.E. Brooks (C)

VS.

Echinostelium brooksii K.D. Whitney (C)

AG, AI, AR, BE, BL, BS, GE, GL, GR, JU, LU, NE, OW, SG, SO, SZ, TI, UR, VD, VS.

Echinostelium colliculosum K.D. Whitney & H.W. Keller (C)

AI, AR, BE, GE, GL, GR, NW, OW, SG, SO, SZ, TI, VD, VS, ZG, ZH.

Echinostelium corynophorum K.D. Whitney (C)

BE, BL, BS, GE, GR, LU, NW, TI, VD, VS.

Echinostelium elachiston Alexop. (C)

GR, VD.

Echinostelium fragile Nann.-Bremek. (C)

BE, GR, SG, VS, TG, TI, ZG, ZH.

Echinostelium minutum de Bary (C)

AG, BE, BL, BS, GE, GL, GR, SG, SH, SO, TI, VD, VS, ZG, ZH.

Clastodermataceae

***Barbeyella minutissima** Meylan

BE, GL, NE, VD.

Clastoderma debaryanum Blytt (C)

BE, GE, SG, TI.

Clastoderma pachypus Nann.-Bremek. (C)

BE, FR, GL, GR, TI, VD.

Order MERIDERMATALES
Family Meridermataceae

Meriderma aggregatum Mar. Mey. & Poulain (N)
BE,SZ,VS.

Meriderma carestiae (Ces. & de Not.) Mar. Mey. & Poulain (N)
Lamproderma carestiae auct. non Meylan; **L. atrosporum* Meylan
AI,BE,GR,NE,NW,OW,TI,UR,VD,VS.

Meriderma cribrarioides (Fr.) Mar. Mey. & Poulain (N)
Lamproderma cribrarioides (Fr.) R.E. Fr.
BE,GL,GR,NE,NW,OW,SG,SZ,UR,VD,VS; FL.

***Meriderma echinulatum** (Meylan) Mar. Mey. & Poulain (N)
Lamproderma atrosporum var. *echinulatum* Meylan
AI,BE,VD.

***Meriderma fuscatum** (Meylan) Mar. Mey. & Poulain (N)
Lamproderma fuscatum Meylan
VD.

Meriderma spinulosporum Mar. Mey. & Poulain (N)
VS.

Meriderma verrucosporum Mar. Mey. & Poulain (N)
VS.

Order STEMONITIDALES
Family Amaurochaetaceae

Amaurochaete atra (Alb. & Schwein.) Rostaf.
Amaurochaete fuliginosa (Sow.) T. Macbr.; *Lachnobolus ater* (Alb. & Schwein.) Lado
BE,GE,NE,VD,ZH.

Amaurochaete comata G. Lister & Brandza
Lachnobolus comatus (G. Lister & Brandza) Lado
VD.

Amaurochaete tubulina (Alb. & Schwein.) T. Macbr.
Amaurochaete cribrosa (Fr.) T. Macbr.; *Lachnobolus tubulinus* (Alb. & Schwein.) Lado
BE.

Brefeldia maxima (Fr.) Rostaf.
GE,NE,VD,ZH.

Collaria elegans (Racib.) Dhillon & Nann.-Bremek.
Comatricha elegans (Racib.) G. Lister
AG,VD.

Collaria rubens (Lister) Nann.-Bremek.

Comatricha lurida Lister

GE,VD.

Comatricha alta Preuss

Comatricha nigra (Pers.) J. Schröt. var. *alta* (Preuss) Lister

VD.

***Comatricha brachypus** Meylan

Stemonitopsis brachypus (Meylan) Y. Yamam.

BE,NE,VD.

Comatricha ellae Härkönen (C)

GE.

***Comatricha filamentosa** Meylan

VD.

***Comatricha fragilis** Meylan (C)

VD,VS.

Comatricha fusiformis (Kowalski) Kowalski (N)

Lamproderma fusiforme Kowalski

BE,NW.

Comatricha laxa Rostaf. (C)

BE,GE,GR,OW,SG,SZ,TI,VD,ZH.

Comatricha nigra (Pers.) J. Schröt.

AI,AR,BE,GE,GL,GR,LU,NE,SG,SO,SZ,TG,TI,VD,VS,ZH.

Comatricha nigricapillitia (Nann.-Bremek. & Bozonnet) A. Castillo, G. Moreno & Illana (N)

Collaria nigricapillitium (Nann.-Bremek. & Bozonnet) Lado, *C. chionophila* Lado

Lamproderma nigricapillitium Nann.-Bremek. & Bozonnet

GR.

Comatricha pseudoalpina G. Moreno, H. Singer, A. Sanchez & Illana (N)

Comatricha alpina auct. non Kowalski

Lamproderma atrosorum var. *subcylindricum* Meylan

BE,VD.

Comatricha pulchella (C. Bab.) Rostaf.

BE,GE,GR,NE,VD,ZH.

Comatricha rigidireta Nann.-Bremek. (C)

BE,GR,OW,SG,TI,VS.

Comatricha rutilipeda H. Marx (C)

GR.

Comatricha suksdorfii Ellis & Everh. (N)

BE,GR,VD,VS.

Comatricha tenerrima (M.A. Curtis) G. Lister

BE,NE.

Enerthenema melanospermum T. Macbr. & G.W. Martin (N)

BE,UR.

Enerthenema papillatum (Pers.) Rostaf. var. **papillatum**

AG,AR,BE,FR,GE,GL,GR,JU,LU,NE,SG,SO,SZ,TG,TL,VD,VS,ZG,ZH.

var. ***carneogriseum** Meylan

VD.

Paradiacheopsis cribrata Nann.-Bremek. (C)

AG,BE,GE,GL,GR,LU,SG,SO,TG,TL,UR,VD,VS,ZH; FL.

Paradiacheopsis erythropodia (Ing) Nann.-Bremek. (C)

Comatricha erythropodia Ing

BE,LU,SG.

Paradiacheopsis fimbriata (G. Lister & Cran) Hertel (C)

Comatricha fimbriata G. Lister & Cran

AG,AI,AR,BE,BS,FR,GE,GL,GR,JU,LU,NE,NW,OW,SG,SH,TG,UR,VD,VS,ZG,
ZH; FL.

***Paradiacheopsis microcarpa** (Meylan) D.W. Mitchell ex Ing (C)

Comatricha laxa Rostaf. var. *microcarpa* Meylan

BE,GR,NE,TL,VD,VS.

Paradiacheopsis rigida (Brandza) Nann.-Bremek. (C)

Comatricha laxa Rostaf. var. *rigida* Brandza

BE,SH,TG,VD.

Paradiacheopsis solitaria (Nann.-Bremek.) Nann.-Bremek. (C)

Comatricha solitaria Nann.-Bremek.

AG,AI,BE,FR,GE,GL,GR,JU,LU,NE,NW,OW,SG,SH,SO,SZ,TG,TL,UR,VD,VS,ZG,
ZH; FL.

Stemonaria irregularis (Rex) Nann-Bremek.

Comatricha irregularis Rex

NE.

Stemonaria longa (Peck) Nann.-Bremek., Sharma & Y. Yamam.

Comatricha longa Peck

TL.

Stemonitopsis amoena (Nann.-Bremek.) Nann.-Bremek. (C)

Comatricha amoena Nann.-Bremek.

BE,TL,VS.

Stemonitopsis gracilis (G. Lister) Nann.-Bremek.
Comatricha pulchella (C. Bab.) Rostaf. var. *gracilis* G. Lister
VD.

***Stemonitopsis hyperopta** (Meylan) Nann-Bremek.
Stemonitis hyperopta Meylan
BE, GL, GR, LU, NE, VD, ZH.

Stemonitopsis reticulata (H.C. Gilbert) Nann.-Bremek. & Y. Yamam.
Comatricha dictyospora Celak
VD.

Stemonitopsis typhina (F.H. Wigg.) Nann.-Bremek.
Comatricha typhoides (Bull.) Rostaf.
BE, FR, GE, GR, NE, SG, SO, TI, VD, ZH.

Family Stemonitidaceae

Macbrideola cornea (G. Lister & Cran) Alexop. (C)
AG, AI, AR, BE, BL, FR, GE, GL, GR, JU, LU, NE, OW, SG, SO, SZ, TG, TI, UR, VD, VS, ZG,
ZH; FL.

Macbrideola decapillata H.C. Gilbert (C)
TI.

Macbrideola macrospora (Nann.-Bremek.) Ing (C)
Macbrideola cornea var. *macrospora* Nann.-Bremek.
FR, GL, GR, NE, TG, VS.

Macbrideola oblonga Pando & Lado (C)
VS.

Macbrideola scintillans H.C. Gilbert (C)
TI.

Macbrideola synsporos (Alexop.) Alexop (C).
BE, GR.

Stemonitis axifera (Bull.) T. Macbr.
AR, BE, BL, FR, GE, GR, LU, NE, NW, SG, UR, VD, VS, ZF; FL.

Stemonitis flavogenita E. Jahn
BE, GE, GR, NE, SG, VD, ZH.

Stemonitis foliicola Ing
FR.

Stemonitis fusca Roth
AG, AI, AR, BE, GE, GL, GR, LU, NE, OW, SG, SO, TG, TI, VD, ZH.

Stemonitis herbatica Peck
BE,GE,NE,OW,SG,VD,ZH.

Stemonitis lignicola Nann.Bremek.
AG,GR.

Stemonitis nigrescens Rex (C)
NE,SO,SZ,VD.

Stemonitis pallida Wingate
VD.

Stemonitis smithii T. Macbr.
VD,ZH.

Stemonitis splendens Rostaf.
BE,GE,GL,GR,JU,NE,TI,VD,ZH.

Stemonitis virginiensis Rex
GR,NE,VD.

Symphytocarpus amaurochaetoides Nann.-Bremek.
Stemonitis fusca Roth var. *confluens* Lister
VD.

Symphytocarpus confluens (Cooke & Ellis) Ing & Nann.-Bremek.
Stemonitis confluens Cooke & Ellis, in part
BE,VD.

Symphytocarpus flaccidus (Lister) Ing & Nann.-Bremek.
Stemonitis splendens Rostaf. var. *flaccida* Lister
SO,TG,VD.

Symphytocarpus impexus Ing & Nann.-Bremek.
Stemonitis splendens Rostaf. var. *confluens* (Cooke & Ellis) Lister, in part
VD,ZH.

Symphytocarpus trechisporus (Berk. ex Torr.) Nann.-Bremek.
Stemonitis trechispora (Berk. ex Torr.) T. Macbr.
VD.

Order PHYSARALES
Family Lamprodermataceae

Colloderma oculatum (Lippert) G. Lister (C)
incl. *Colloderma dubium* Krzm.
BE,BL,GR,NE,TI,VD,VS.

***Colloderma robustum** Meylan (C)
VD.

***Diacheopsis metallica** Meylan (N)
NE.

Lamproderma aeneum Mar. Mey. & Poulain (N)
NW,OW,VS.

***Lamproderma album** H. Neubert, Nowotny & K. Baumann (N)
Lamproderma splendens Meylan var. *leucotrichum* Meylan
NE,SO,VS.

***Lamproderma arcyrioides** (Sommerf.) Rostaf. (N)
Lamproderma splendens Meylan
AI,BE,NE,VD,VS.

Lamproderma arcyrionema Rostaf.
Collaria arcyrionema (Rostaf.) Nann.-Bremek.
BE,GE,GR,NE,VD.

Lamproderma cacographicum Mar. Mey. & Poulain (N)
VS.

Lamproderma columbinum (Pers.) Rostaf.
AG,BE,GR,NE,OW,SG,SZ,UR,VD,VS,ZH.

***Lamproderma cristatum** Meylan (N)
BE,VD,VS.

***Lamproderma cucumer** (Meylan) Now. & H Neubert (N)
Lamproderma ovoideum Meylan var. *cucumer* Meylan
BE,NW,VD.

***Lamproderma echinosporum** Meylan (N)
BE,GL,UR,VD,VS.

Lamproderma echinulatum (Berk.) Rostaf.
BE,VD.

***Lamprodema gulielmae** Meylan
BE,NE,VD.

Lamproderma maculatum Kowalski var. **maculatum** (N)
AI,BE,FR,TI,VS.
var. **macrosporum** Mar. Mey. & Poulain (N)
AI,BE.

Lamproderma nigrescens (Rostaf.) Rostaf.
Lamproderma arcyrioides (Sommerf.) Rostaf. var. *arcyrioides*
BE,GE,GR,NE,SG,SO,VD,VS,ZH.

Lamproderma ovoideoechinulatum Mar. Mey. & Poulain (N)
BE,VD.

***Lamproderma ovoideum** Meylan (N)
AI,BE,GR,NE,NW,OW,SO,TI,UR,VD,VS.

Lamproderma pseudomaculatum Mar. Mey. & Poulain (N)
BE.

***Lamproderma pulchellum** Meylan (N)
BE,GL,OW,VD,VS.

Lamproderma pulveratum Mar. Mey. & Poulain (N)
SZ,VS.

Lamproderma puncticulatum Härkönen
VS.

***Lamproderma piriforme** (Meylan) Mar. Mey. & Poulain (N)
Lamproderma sauteri var. *pyriforme* Meylan
BE,VD.

Lamproderma retirugospora Moreno, Singer, Illana & Sanchez (N)
BE,GL,VS.

Lamproderma sauteri Rostaf. (N)
AI,BE,GL,GR,NE,NW,OW,SG,SZ,TI,UR,VD,VS.

Lamproderma scintillans (Berk. & Broome) Morgan
BE,GE,VD,ZH.

Lamproderma spinulosporum Meyer, Nowotny & Poulain (N)
GR.

Lamproderma violaceum Fr. ex Rostaf..
Lamproderma. arcyrioides var. *leucofilum* H. Neubert, Nowotny & K. Baumann
VD.

Lamproderma zonatum Mar.Mey. & Poulain (N)
Lamproderma carestiae sensu Meylan
BE,GR,NE,NW,SZ,VD,VS.

Family Physaraceae

Badhamia affinis Rostaf. var. **affinis** (C)
AG,AI,BE,BL,FR,GE,GR,JU,LU,NE,NW,OW,SG,SO,SZ,TG,TI,VD,VS,ZG,ZH; FL.
var. ***microspora** (Meylan) Nann.-Bremek. & Y. Yamam. (C)
NE,VD.

Badhamia alpina G. Lister (N)
BE,GR,NE,OW,VD,VS.

Badhamia armillata Nann.-Bremek.
VD.

Badhamia capsulifera (Bull.)Berk. (C)
BE,NE,VD.

Badhamia dubia Nann.-Bremek.
GE.

Badhamia foliicola Lister (C)
BE,GE,GR,JU,OW,VD,VS.

***Badhamia goniospora** Meylan
NE,VD.

Badhamia lilacina (Fr.) Rostaf.
VD,ZH.

Badhamia macrocarpa (Ces.) Rostaf.
AG,BE,GE,GL,VD,VS,ZH.

Badhamia melanospora Speg.
VD.

Badhamia nitens Berk. (C)
BE,VD.

Badhamia panicea (Fr.) Rostaf.
BE,GE,NE,SO,VD,ZH.

Badhamia papaveracea Berk. & Ravenel
VD.

Badhamia utricularis (Bull.) Berk.
AG,BE,FR,GE,GR,NE,SO,VD,ZH.

Badhamia versicolor Lister (C)
BE,GR,JU,NE,VD.

***Badhamia viridescens** Meylan
NE,VD.

Badhamiopsis ainoae (Yamashiro) T.E. Brooks & H.W. Keller (C)
Badhamia ainoae Yamashiro
BE,JU,TL.

Craterium aureonucleatum Nann.-Bremek.
VD.

Craterium aureum (Schumach.) Rostaf.
NE,VD.

Craterium dictyosporum (Rostaf.) H. Neubert, Nowotny & K. Baumann
Craterium obovatum Peck *pro parte*
GE.

Craterium leucocephalum (Pers.) Ditmar var. **leucocephalum**
BE,GE,GR,NE,SH,VD,VS.
var. **scyphoides** (Cooke & Balf.) G. Lister
GR,NE,VD.

Craterium minutum (Leers) Fr.
BE,FR,LU,NE,SO,VD,ZH.

Fuligo candida Pers.
Fuligo septica var. *candida* (Pers.) R.E. Fr.
BE,NE,TI,VD,VS.

Fuligo cinerea (Schwein.) Morgan
TI,VD.

Fuligo gyrosa (Rostaf.) E. Jahn
Physarum gyrosum Rostaf.
BE,ZH.

Fuligo laevis Pers.
VD.

Fuligo leviderma Neub., Now. & Baum.
TI,VD.

Fuligo luteonitens L. Krieglst. & Nowotny
GE.

Fuligo muscorum Alb. & Schwein.
AG,FR,NE,VD.

Fuligo rufa Pers.
Fuligo septica var. *rufa* (Pers.) Lazaro Ibiza
TI,VD.

Fuligo septica (L.) F.H. Wigg.
AG,AL,BE,FR,GE,GL,GR,JU,LU,NE,SG,SO,SZ,TG,TI,VD,VS,ZG,ZH; FL.

Leocarpus fragilis (Dicks.) Rostaf.
AG,BE,GR,NE,SO,TG,TI,VD,VS,ZH.

Physarum albescens D. Ellis ex T. Macbr. (N)

Physarum fulvum (T. Macbr.) G. Lister
BE,GR,OW,VD,VS.

Physarum album (Bull.) Chevall

Physarum nutans Pers.
AG,BE,FR,GR,JU,LU,NE,SG,SO,TG,TI,VD,ZG,ZH.

***Physarum alpestre** D.H. Mitchel, S.W. Chapman & M.L. Farr (N)

Physarum alpinum, in part
AI,BE,NW,OW,SZ,UR,VD,VS.

***Physarum alpinum** (A. & G. Lister) G. Lister (N)

BE,VD,VS.

Physarum auriscalpium Cooke (C)

AG,AI,BE,BS,FR,GR,JU,LU,NE,NW,SG,SZ,TI,VD,VS.

Physarum bethelii T. Macbr. (C)

Physarum viride (Bull.) Pers. var. *bethelii* (T. Macbr.) Sturgis
BE,BL,GR,LU,SG,SO,TG,TI,ZG.

Physarum bitectum G. Lister

GE,VD.

***Physarum bitunicatum** S. Carter & Nann.-Bremek. (N)

GR.

Physarum bivalve Pers.

Physarum sinuosum (Bull.) Weinm.
BE,GE,LU,NE,TG,VD.

Physarum cinereum (Batsch) Pers. var. **cinereum**

AG,BE,GE,NE,VD,ZH.

var. ***aureonodum** Nann.-Bremek. & Finger
FR,VD.

Physarum citrinum Schumach.

BE,GR,NE,SG,VD,ZH.

Physarum compressum Alb. & Schwein.

AR,BE,GL,GR,NE,SG,TI,ZH.

Physarum confertum T. Macbr.

NE,VD.

Physarum conglomeratum (Fr.) Rostaf.

BE,GR,VD.

Physarum contextum (Pers.) Pers.

BE,NE,VD.

Physarum crateriforme Petch (C)

BE,FR,GR,SG,TI,VS; FL.

Physarum decipiens M.A. Curtis (C)

AG,AI,BE,FR,GR,JU,,LU,NE,NW,TI,VD,VS,ZH.

Physarum dictyosporum G.W. Martin

NE.

Physarum didermoides (Pers.) Rostaf.

TI.

Physarum famintzinii Rostaf.

BE,GR,NE,VD,VS.

Physarum flavicomum Berk.

VD.

Physarum globuliferum (Bull.) Pers.

GR,SG,VD,ZH.

Physarum lakhanpalii Nann.-Bremek. & Y. Yamam. (C)

FR.

Physarum lateritium (Berk. & Ravenel) Morgan

GE,VD.

Physarum leucophaeum Fr.

AG,BE,GL,NE,SG,SZ,VD,ZH.

Physarum leucopus Link

AG,GE,VD.

***Physarum luteonodum** Nann.-Bremek. & Finger

VD.

Physarum mucosum Nann.-Bremek.

VD.

Physarum murinum Lister

GE,VD,ZH.

Physarum nitens (Lister) Ing

Physarum virescens Ditmar var. *nitens* Lister

VD.

***Physarum nivale** (Meylan) Mar. May. & Poulain (N)

Badhamia panicea var. *nivalis* Meylan

VD.

Physarum notabile T. Macbr.
GR,VD.

Physarum nucleatum Rex
ZH.

Physarum oblatum T. Macbr.
BE,TI.

Physarum obscurum (Lister) Ing
Physarum virescens Ditmar var. *obscurum* Lister
VD.

Physarum ovisporum G. Lister
NE,VD.

Physarum penetrale Rex
VD.

Physarum pezizoideum (Jungh) Pavar. & Lagerh.
Trichamphora pezizoidea Jungh
GE,ZH.

Physarum psittacinum Ditmar
SG,SZ,TI,VD,ZH.

Physarum pusillum (Berk. & M.A. Curtis) G. Lister (C)
BE,FR,GE,GR,TI,VD.

Physarum robustum (Lister) Nann.-Bremek.
Physarum nutans Pers. var. *robustum* Lister
BE,FR,NE,VD.

Physarum rubiginosum Fr.
VD,VS.

Physarum serpula Morgan (C)
BE,FR,GR,NE,TI,VD,ZG.

Physarum sessile Brandza (C)
BE.

Physarum vernum Sommerf. ex Fr. (N)
AI,BE,FR,GE,GL,GR,NE,NW,OW,SG,SZ,TI,UR,VD,VS,ZH.

Physarum virescens Ditmar
BE,NE,SZ,VD,ZH.

Physarum viride (Bull.) Pers. var. **viride**

BE,FR,GR,NE,SG,VD.

var. **aurantium** (Bull.) Lister

GE,JU,NE,VD,ZH.

var. **incanum** Lister

VD,ZH.

Physarum xanthinum Nann.-Bremek. & Döbbeler

JU.

Willkommlangea reticulata (Alb. & Schwein.) Kuntze (C)

Cienkowskia reticulata (Alb. & Schwein.) Rostaf.

BE,GE,GL.

Elaeomyxaceae

Elaeomyxa cerifera (G. Lister)Hagelst.

Diachea cerifera G. Lister

NE,VD.

Didymiaceae

Diachea leucopodia (Bull.) Rostaf.

AG,BE,GE,SZ,TI,VD.

Diachea subsessilis Peck

BE,VD.

***Diderma alpinum** (Meylan) Meylan (N)

AI,BE,GL,GR,NE,NW,OW,SO,SZ,TI,UR,VD,VS.

Diderma asteroides (Lister & G. Lister) G. Lister

NE,VD.

Diderma chondrioderma (de Bary & Rostaf.) G. Lister (C)

Diderma arboreum G. Lister & Petch

AG,BE,FR,GE,GR,JU,LU,NE,SG,SZ,TI,VD,ZH.

Diderma cinereum Morgan

VS.

Diderma cingulatum Nann.-Bremek.

TI.

Diderma crustaceum Peck (N)

TI.

Diderma deplanatum Fr.

VD.

Diderma effusum (Schwein.) Morgan
BE,BS,GR,NE,SZ,TI,VD,VS,ZH.

***Diderma endoleucum** (Meylan) Ing **nov.stat. et comb.** (N)
Diderma niveum (Rostaf.) T. Macbr. f. *endoleucum* Meylan
Bull.Soc.Vaud.Sci Nat. **55**: 240. 1924.
D. globosum Pers. var. *europaeum* Buyck
AI,BE,GR,NW,OW,SZ,TI,VD,VS.

***Diderma evelinae** (Meylan) Kowalski (N)
Wilczekia evelinae Meylan
VD.

Diderma fallax (Rostaf.) Lado (N)
Diderma.. lyallii (Masse) T. Macbr.
BE,GR,NE,SG,SZ,VD,VS.

Diderma floriforme (Bull.) Pers.
NE,VD,VS.

Diderma globosum Pers.
BE,GR,NE,SH,TI,VD.

Diderma hemisphaericum (Bull.) Hornem.
BE,GE,NE.

Diderma meyeri H. Singer, G. Moreno, C. Illana & A. Sanchez (N)
D. niveum (Rostaf.) T. Macbr. var. *niveum* ss. *auct.plur*
AI,BE,GE,GL,GR,NE,NW,OW,SG,SO,SZ,TI,UR,VD,VS,ZH.

***Diderma microcarpum** Meylan (N)
BE,GL,TI,VD.

***Diderma montanum** (Meylan) Meylan var. **montanum**
NE,VD,VS.
var. **album** (Torrend) G. Lister
VD.

Diderma niveum (Rostaf.) T. Macbr. (N)
**D. niveum* var. *ferrugineum* Meylan
BE,GR,NE,SZ,UR,VS.

Diderma ochraceum Hoffm
BE,VD,VS.

Diderma radiatum (L.) Morgan
AG,BE,GR,NE,NW,OW,SZ,VD,ZH.

Diderma roanense (Rex) T. Macbr.
VD.

Diderma simplex (Schröt.) G. Lister var. **simplex**
VD.
var. ***echinulatum** Meylan
VD.

Diderma spumarioides (Fr.) Fr.
GE,LU,NE,SG,VD.

Diderma subviridifuscum Buyck
VD.

Diderma testaceum (Schröd.) Pers.
GE,NE,TI,VD.

Diderma umbilicatum Pers. var. **umbilicatum**
GE,NE,TI,VD.
var. ***macrosporum** Meylan
VD.

Didymium anellus Morgan
FR.

Didymium bahiense Gottsberger
NE,VD.

Didymium clavus (Alb. & Schwein.) Rabenh.
AG,BE,FR,NE,TI,VD,ZH.

Didymium comatum (Lister) Nann.-Bremek.
Didymium difforme (Pers.) S.F. Gray var. *comatum* Lister
SZ.

Didymium crustaceum Fr.
BE,GR,NE.

***Didymium decipiens** Meylan (N)
BE,GL,UR,VD,VS.

Didymium difforme (Pers.) S.F. Gray
AI,BE,FR,GL,GR,NE,NW,SG,SO,SZ,TI,UR,VD,VS,ZG,ZH.

Didymium dubium Rostaf. (N)
incl. ***Didymium wilczekii** Meylan
AI,BE,FR,GR,LU,NE,NW,OW,SG,SO,SZ,TI,UR,VD,VS.

Didymium ilicinum Ing
Didymium squamulosum (Alb. & Schwein.) Fr. pro parte
BE.

Didymium laxifilum G. Lister & R. Ross
TI,VD.

Didymium leptotrichum (Racib.) Massee (N)
BE,NW,VS.

Didymium melanospermum (Pers.) T. Macbr.
AG,BE,FR,GE,GR,NE,OW,SH,SZ,TG,VD,ZH.

Didymium minus (Lister) Morgan
Didymium melanospermum (Pers.) T. Macbr. var. *minus* Lister
GL,TI,VD.

Didymium nigripes (Link) Fr.
AG,BE,GE,LU,NE,SG,SH,TI,VD,ZH.

***Didymium nivicola** Meylan (N)
BE,GR,NW,OW,UR,VD,VS.

Didymium serpula Fr.
NE,VD,VS.

Didymium squamulosum (Alb. & Schwein.) Fr. *sensu lato*
AG,AL,BE,BS,FR,GE,JU,LU,NE,OW,SG,SH,SO,TI,VD,VS,ZH.

Didymium sturgisii Hagelst. (C)
TI.

Didymium synsporon H.W. Keller & T.E. Brooks (C)
GR,VS.

Didymium tubulatum E. Jahn
Didymium difforme (Pers.) S.F. Gray var. *repandum* G. Lister
GL.

Didymium tussilaginis (Berk.& Br.) Massee
Recorded from Switzerland, but without locality (notes in **BM.**)

Didymium vaccinum (Durieu & Mont.) Buchet
TI.

Lepidoderma aggregatum Kowalski (N)
BE,OW,VD,VS.

Lepidoderma carestianum (Rabenh.) Rostaf. (N)
BE,FR,GR,NE,NW,OW,SO,TI,UR,VD,VS.

Lepidoderma chailletii Rostaf. (N)
BE,FR,NE,TI,VD,VS.

Lepidoderma crassipes Flatau, Massner & Schirmer
NE,VS.

Lepidoderma crustaceum Kowalski (N)
BE,VD.

Lepidoderma granuliferum (W. Phillips) R.E. Fr. (N)
BE,NE,NW,TI,UR,VD,VS.

Lepidoderma peyerimhoffii Maire & Pinoy (N)
Diderma peyerimhoffii (Maire & Pinoy) H. Neubert, Now. & K. Baumann;
D. nivale (Meylan) Now., H. Neubert & K. Baumann;
**D. trevelyanii* (Grev.) Fr. var. *nivale* Meylan
BE,GR,NE,SG,TI,UR,VD,VS.

Lepidoderma tigrinum (Schröd.) Rostaf.
BE,GR,NE,OW,VD,VS,ZH.

Leptoderma iridescens G. Lister
BE,VD,VS.

Mucilago crustacea F.H. Wigg.
Mucilago spongiosa (Leyss.) Morgan
BE,GE,NE,SO,VD,ZH.

Bibliography

- Carter, S. & Nannenga-Bremekamp, N. E. 1972. A new species of *Physarum* (Myxomycetes) , with a note on the delimitation of the genera *Physarum* and *Badhamia*. *Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen C*, **75**, 326-330.
- Fischer, E. 1890. Nachtrag, in Studer, B. Beiträge zur Kenntniss der schweizerischen Pilze. *Mitteilungen naturforschende Gesellschaft im Bern*. **1890**, 16-26.
- Gaffiot, C. & Moret, J.-L. 1996. Catalogue de la collection des Myxomycètes – J. Henri Wüst. *Musée botanique cantonal, Lausanne. Inventaire des collections. Séries A. Herbiers*. **11**, 1-44.
- Horak, E. 1985. Die Pilzflora (Macromycetes) und ihre Oekologie in fünf Pflanzengesellschaften der monten-subalpin Stafedere Unterengadin (Schweiz.) *Ergebnisse der Wissenschaftlichen Untersuchungen in Schweizerische Nationalpark*. **12C**, 337-476.
- Ing, B. 1997. Corticolous myxomycetes from Switzerland. *Mycologia Helvetica* **9**, 3-19.
- Ing, B. 1997. European Council for the Conservation of Fungi, meeting le Louverain, September 1993. *Mycologia Helvetica* **9**, 111-116.
- Ing, B. 1999. Corticolous myxomycetes from Switzerland 2. *Mycologia Helvetica* **10**, 28-40.
- Ing, B. 2020. *The Myxomycetes of Britain and Ireland* ed.2. Slough, Richmond Publ.
- Kowalski, D.T. 1970. The species of *Lamproderma*. *Mycologia* **62**, 621-672.
- Kowalski, D.T. 1971. The genus *Lepidoderma*. *Mycologia* **63**, 490-516.
- Kowalski, D.T. 1975. The myxomycete taxa described by Charles Meylan. *Mycologia* **67**, 448-494.
- Kowalski, D.T. 1975. The genus *Diacheopsis*. *Mycologia* **67**, 616-628.
- Krzemieniewska, H. 1957. Spis slucowce zebranych w latach 1955-1956. *Acta Societatis Botanicae Poloniae* **26**, 785-811.
- Lister, A., & Lister, G. 1908. Notes on Swiss Mycetoza. *Journal of Botany, London*, **46**, 216-219.
- Lister, G. 1912. Notes on Swiss Mycetoza. *Journal of Botany, London* **50**, 95-100.
- Lister, G. 1914. Mycetoza from Arosa, Switzerland. *Journal of Botany, London* **52**, 98-104.
- Lister, G. 1925. *Monograph of the Mycetoza*, ed. 3. London, British Museum (Natural History.)
- Lucchini, G. 1997. *I funghi del Cantone Ticino*. Gentilino, Lucchini-Balmelli.
- Martin, G.W. & Alexopoulos, C.J. 1969. *The myxomycetes*. Iowa, University Press.
- Meylan, C. 1908. Contributions à la connaissance des Myxomycètes du Jura. *Bulletin de la Société vaudoise des Sciences naturelles* **44**, 285-302.
- Meylan, C. 1910. Myxomycètes du Jura (suite.) *Bulletin de la Société vaudoise des Sciences naturelles* **46**, 49-57.
- Meylan, C. 1910. Myxomycètes du Jura (suite.) *Bulletin de la Société botanique de Genève* II, **2**, 26-267.
- Meylan, C. 1913. Myxomycètes du Jura. *Annales de la Conservatoire et Jardin botanique de Genève* **15-16**, 309-321.
- Meylan, C. 1914. Myxomycètes du Jura (suite.) *Bulletin de la Société botanique de Genève* II, **6**, 86-90.
- Meylan, C. 1914. Remarques sur quelques espèces nivales des Myxomycètes. *Bulletin de la Société vaudoise des Sciences naturelles* **50**, 1-14.

- Meylan, C. 1917. Nouvelles contributions à l'étude des Myxomycètes du Jura. *Bulletin de la Société vaudoise des Sciences naturelles* **51**, 259-269.
- Meylan, C. 1915. Myxomycètes nouveaux. *Bulletin de la Société vaudoise des Sciences naturelles* **52**, 95-97.
- Meylan, C. 1919. Notes sur quelques espèces de Myxomycètes. *Bulletin de la Société vaudoise des Sciences naturelles* **52**, 447-450.
- Meylan, C. 1920. Contributions à la connaissance des Myxomycètes de la Suisse. *Bulletin de la Société vaudoise des Sciences naturelles* **53**, 451-463.
- Meylan, C. 1924. Recherches sur les Myxomycètes du Jura en 1921-22-23. *Bulletin de la Société vaudoise des Sciences naturelles* **55**, 237-244.
- Meylan, C. 1925. Note sur divers Myxomycètes du Jura et des Alpes. *Bulletin de la Société vaudoise des Sciences naturelles* **56**, 65-74.
- Meylan, C. 1927. Recherches sur les Myxomycètes du Jura en 1925-26. *Bulletin de la Société vaudoise des Sciences naturelles* **56**, 319-328.
- Meylan, C. 1929. Recherches sur les Myxomycètes en 1927-28. *Bulletin de la Société vaudoise des Sciences naturelles* **57**, 39-47.
- Meylan, C. 1930. Note sur un nouveau genre de Myxomycètes. *Bulletin de la Société vaudoise des Sciences naturelles* **57**, 147-149.
- Meylan, C. 1931. Contribution à la connaissance des Myxomycètes du Jura et des Alpes. *Bulletin de la Société vaudoise des Sciences naturelles* **57**, 301-307.
- Meylan, C. 1932. Les espèces nivales du genre *Lamproderma*. *Bulletin de la Société vaudoise des Sciences naturelles* **57**, 359-373.
- Meylan, C. 1933. Recherches sur les Myxomycètes du Jura, 1930-31-32. *Bulletin de la Société vaudoise des Sciences naturelles* **58**, 81-90.
- Meylan, C. 1935. Recherches sur les Myxomycètes Suisses en 1933-34. *Bulletin de la Société vaudoise des Sciences naturelles* **58**, 319-320.
- Meylan, C. 1937. Nouvelle contribution à la connaissance des Myxomycètes du Jura et des Alpes. *Bulletin de la Société vaudoise des Sciences naturelles* **59**, 479-486.
- Nannenga-Bremekamp, N.E. 1991. *A guide to temperate Myxomycetes*. Ed. & transl. by A. Feest & Y. Burggraaf. Bristol, Biopress Ltd.
- Nannenga-Bremekamp, N.E. & Finger, J. 1987. A new species and a new variety of *Physarum* (Myxomycetes) from Switzerland. *Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen C*, **90**, 457-469.
- Neubert, H., Nowotny, W. & Baumann, K. 1993. *Die Myxomyceten*. Bd. 1. Gomaringen, Karlheinz Baumann Verlag.
- Neubert, H., Nowotny, W., Baumann, K. & Marx, H. 1995. *Die Myxomyceten*. Bd. 2. Gomaringen, Karlheinz Baumann Verlag.
- Neubert, H., Nowotny, W., Baumann, K. & Marx, H. 2000. *Die Myxomyceten*. Bd. 3. Gomaringen, Karlheinz Baumann Verlag.
- Plank, S. 1983. *Pilze an Holz in Fürstentum Liechtenstein*. Vaduz.
- Poulain, M., Meyer, M. & Bozonnet, J. 2011. *Les Myxomycètes*. Sevrier, F.M.B. Dauphine-Savoie.
- Roth, J.-J. 1995. *Lamproderma columbinum*. *Schweizerische Zeitschrift für Pilzkunde* **73**, 209-215.
- Schinz, H. 1906. Die Myxomyceten oder Schleimpilze der Schweiz. *Mitteilungen von naturwischen Gesellschaft, Winterthur* **6**, 3-129.
- Schinz, H. 1920. *Die Pilze - Deutschlands, Oesterreichs und der Schweiz*. **10**, *Myxogasteres*. Leipzig, Akademische Verlagsgesellschaft.
- Secretan, L. 1833. *Mycographie Suisse*. 3. Genève.

Seitter, H. 1964. *Diderma niveum* (Rost.)Macbr. ssp. *niveum* (Rost.)Schinz, ein Pilze, der sich unter schmelzendem Schnee entwickelt. *Schweizerische Zeitschrift für Pilzkunde* **42**, 37-39.

Withering, W. 1796. *An arrangement of British plants according the latest improvements in the Linnaean system*, ed. 3. **4**, 392. London.