



ISSN 1403-1418
VOLUME 13

DECEMBER 31, 2007

Outline of Ascomycota - 2007

H. Thorsten Lumbsch and Sabine M. Huhndorf (eds.)
The Field Museum, Department of Botany, Chicago, USA

Abstract

Lumbsch, H. T. and S.M. Huhndorf (ed.) 2007. Outline of Ascomycota – 2007. Myconet 13: 1 - 58.

The present classification contains all accepted genera and higher taxa above the generic level in phylum Ascomycota.

Introduction

The present classification is based in part on earlier versions published in *Systema Ascomycetum* and *Myconet* (see <http://www.fieldmuseum.org/myconet/>) and reflects the numerous changes made in the *Deep Hypha* issue of *Mycologia* (Spatafora et al. 2006), in Hibbett et al. (2007) and those listed in *Myconet Notes* Nos. 4408-4750 (Lumbsch & Huhndorf 2007). It includes all accepted genera and higher taxa of Ascomycota. New synonymous generic names are included in the outline. In future outlines attempts will be made to incorporate all synonymous generic names (for a list of synonymous generic names, see Eriksson & Hawksworth 1998). A question mark (?) indicates that the position of the taxon is uncertain.

Eriksson O.E. & Hawksworth D.L. 1998. Outline of the ascomycetes - 1998. - *Systema Ascomycetum* 16: 83-296.

Hibbett, D.S., Binder, M., Bischoff, J.F., Blackwell, M., Cannon, P.F., Eriksson, O.E., Huhndorf, S., James, T., Kirk, P.M., Lucking, R., Lumbsch, H.T., Lutzoni, F., Matheny, P.B., McLaughlin, D.J., Powell, M.J., Redhead, S., Schoch, C.L., Spatafora, J.W., Stalpers, J.A., Vilgalys, R., Aime, M.C., Aptroot, A., Bauer, R., Begerow, D., Benny, G.L., Castlebury, L.A., Crous, P.W., Dai, Y.C., Gams, W., Geiser, D.M., Griffith, G.W., Gueidan, C., Hawksworth, D.L., Hestmark, G., Hosaka, K., Humber, R.A., Hyde, K.D., Ironside, J.E., Koljalg, U., Kurtzman, C.P., Larsson, K.H., Lichtwardt, R., Longcore, J., Miadlikowska, J., Miller, A., Moncalvo, J.M., Mozley-Standridge, S., Oberwinkler, F., Parmasto, E., Reeb, V., Rogers, J.D., Roux, C., Ryvarden, L., Sampaio, J.P., Schussler, A., Sugiyama, J., Thorn, R.G., Tibell, L., Untereiner, W.A., Walker, C., Wang, Z., Weir, A., Weiss, M., White, M.M., Winka, K., Yao, Y.J. & Zhang, N. 2007. A higher-level phylogenetic classification of the Fungi. - *Mycological Research* 111: 509-547.

Lumbsch, H. T. & Huhndorf, S.M. (ed.) 2007. Notes on ascomycete systematics. Nos. 4408 – 4750. *Myconet* 13: 59 – 99.

Spatafora, J.W., Hughes, K.W., & Blackwell, M. (ed.) 2006. A phylogeny for kingdom Fungi. *Deep Hypha* issue. *Mycologia* 98: 829-1106.

INDEX TO ASCOMYCOTA

Subphylum Taphrinomycotina

- Class Neoelectomycetes
- Class Pneumocystidomycetes
- Class Schizosaccharomycetes
- Class Taphrinomycetes

Subphylum Saccharomycotina

- Class Saccharomycetes

Subphylum Pezizomycotina

- Class Arthoniomycetes
- Class Dothideomycetes
 - Subclass Dothideomycetidae
 - Subclass Pleosporomycetidae
 - Dothideomycetes incertae sedis: orders, families, genera
- Class Eurotiomycetes
 - Subclass Chaetothyriomycetidae
 - Subclass Eurotiomycetidae
 - Subclass Mycocaliciomycetidae
- Class Laboulbeniomycetes
- Class Lecanoromycetes
 - Subclass Acarosporomycetidae
 - Subclass Lecanoromycetidae
 - Subclass Ostropomycetidae
 - Lecanoromycetes incertae sedis: orders, genera
- Class Leotiomycetes
 - Leotiomycetes incertae sedis: families, genera
- Class Lichinomycetes
- Class Orbiliomycetes
- Class Pezizomycetes
- Class Sordariomycetes
 - Subclass Hypocreomycetidae
 - Subclass Sordariomycetidae
 - Subclass Xylariomycetidae
 - Sordariomycetes incertae sedis: orders, families, genera
- Pezizomycotina incertae sedis: orders, families

Phylum ASCOMYCOTA Caval.-
Sm. 1998

Subphylum

TAPHRINOMYCOTINA O.E.
Erikss. & Winka 1997

Class Neoelectomyces

Neoelectomyces O.E. Erikss. & Winka
1997

Neoelectales Landvik, O.E. Erikss.,
Gargas & P. Gustafsson 1993

Neoelectaceae Redhead 1977
Neoelecta Speg.

Class Pneumocystidomycetes

Pneumocystidomycetes O.E. Erikss. &
Winka 1997

Pneumocystidales O.E. Erikss. 1994

Pneumocystidaceae O.E. Erikss. 1994
Pneumocystis P. Delanoë & Delanoë

Class Schizosaccharomycetes

Schizosaccharomycetes O.E. Erikss. &
Winka 1997

Schizosaccharomycetales O.E. Erikss.,
Svedskog & Landvik 1993

Schizosaccharomycetaceae Beij. ex
Klöcker 1905
Schizosaccharomyces Lindner

Class Taphrinomycetes

Taphrinomycetes O.E. Erikss. & Winka
1997

Taphrinales Gäum. & C.W. Dodge
1928

Protomycetaceae Gray 1821
Burenia M.S. Reddy & C.L. Kramer
Protomyces Unger
Protomycopsis Magnus
Taphridium Lagerh. & Juel ex Juel
Volkartia Maire

Taphrinaceae Gäum. in Gäum. & C.W.
Dodge 1928
Taphrina Fr.

Taphrinomycetes, genera incertae sedis
Saitoëlla S. Goto, J. Sugiyama, M.
Hamamoto & K. Komagata

Subphylum

SACCHAROMYCOTINA

Class Saccharomycetes

Saccharomycetes O.E. Erikss. & Winka
1997

syn. Hemiascomycetes

Saccharomycetales Kudrjanzev 1960

Ascoideaceae J. Schröter 1894
Ascoidea Bref.

Cephaloascaceae L.R. Batra 1973
Cephaloascus Hanawa

Dipodascaceae Engl. & E. Gilg 1924
Dipodascus Lagerh.
Galactomyces Redhead & Malloch
?*Sporopachydermia* Rodr. Mir.
?*Yarrowia* Van der Walt & Arx

Endomycetaceae J. Schröt. 1893
Ascocephalophora K. Matsush. &
Matsush.
Endomyces Reess
?*Phialoascus* Redhead & Malloch

Eremotheciaceae Kurtzman. 1995
Eremothecium Borzí
?*Coccidiascus* Chatton

Lipomycetaceae E.K. Novák & Zsolt
1961
Dipodascopsis L.R. Batra & Millner
Babjevia van der Walt & M.Th.
Smith
Lipomyces Lodder & Kreger
?*Kawasakia* Y. Yamada & Nogawa
Zygozoma Van der Walt & Arx

Metschnikowiaceae T. Kamienski 1899

Clavispora Rodr.Mir.
Metschnikowia T. Kamienski

Pichiaceae Zender

Dekkera Van der Walt
Kregervanrija Kurtzman
Pichia E.C. Hansen
Saturnispora Z.W. Liu & Kurtzman

Saccharomycetaceae G. Winter 1881

?*Citeromyces* Santa Maria
?*Cyniclomyces* Van der Walt & D.B. Scott
?*Debaryomyces* Lodder & Kreger ex Kreger
?*Issatchenkia* Kudrjanzev
Kazachstania Zubcova
Arxiozyma Van der Walt & Yarrow
Kluyveromyces Van der Walt
Komagataella Y. Yamada, M Matsuda, K. Maeda & Mikata
Kuraishia Y. Yamada, K. Maeda & Mikata
Lachancea Kurtzman
?*Lodderomyces* Van der Walt
Nakaseomyces Kurtzman
?*Pachysolen* Boidin & Adzet
Saccharomyces Meyen
Spathaspora Nguyen, S.O. Suh & M. Blackw.
Tetrapisispora Ueda-Nishimura & K. Mikata
Vanderwaltozyma Kurtzman
Torulaspora Lindner
?*Williopsis* Zender
Zygosaccharomyces Barker
Zygotorulaspora Kurtzman

Saccharomycodaceae Kudrjanzev 1960

?*Hanseniaspora* Zikes
?*Nadsonia* Syd.
Saccharomycodes E.C. Hansen
?*Wickerhamia* Soneda

Saccharomycopsidaceae Arx & Van der Walt 1987

?*Ambrosiozyma* Van der Walt
Arthroascus Arx
Saccharomycopsis Schiønn.

Trichomonascaceae Kurtzman & Robnett

Sugiyamaella Kurtzman & Robnett
Trichomonascus H.S. Jackson
Stephanoascus M.T. Sm., Van der Walt & Johannsen
Wickerhamiella Van der Walt
Zygoascus M.T. Sm.

Saccharomycetales, genera incertae sedis

Ascobotryozyma J. Kerrigan, M.T. Sm. & J.D. Rogers
Hyphopichia von Arx & van der Walt
Kodamaea Y. Yamada, T. Suzuki, Matsuda & Mikata
Nakazawaea Y. Yamada, Maeda & Mikata
Phaffomyces Y. Yamada, Higashi, S. Ando & Mikata
Starmera Y. Yamada, Higashi, S. Ando & Mikata
Starmerella Rosa & Lachance
Yamadazyma Billon-Grand

Subphylum

PEZIZOMYCOTINA

Class Arthoniomycetes

Arthoniomycetes O.E. Erikss. & Winka 1997

Arthoniales Henssen ex D. Hawksw. & O.E. Erikss. 1986

Arthoniaceae Reichenb. ex Reichenb. 1841

Amazonomyces Bat.
Arthonia Ach.
Arthothelium A. Massal.
Coniarthonia - Grube

Cryptothecia Stirt.
Eremothecella Syd. & P. Syd.
?*Gymnographoidea* Fink
Paradoxomyces Matzer
Sagenidiopsis R.W. Rogers &
Hafellner
Sporostigma Grube
Stirtonia A.L. Sm.

Chrysotrichaceae Zahlbr. 1905

Byssocaulon Mont.
Chrysothrix Mont.

?**Melaspileaceae** W. Watson 1929

?*Encephalographa* A. Massal.
Melaspilea Nyl.

Roccellaceae Chevall. 1826

Ancistrosporella G. Thor
Bactrospora A. Massal.
Camanchaca Follm. & Peine
Chiodecton Ach.
Combea De Not.
Cresponea Egea & Torrente
Darbishirella Zahlbr. ex Darb.
Dendrographa Darb.
Dichosporidium Pat.
Diplogramma Müll. Arg.
Dirina Fr.
Dirinastrum Müll. Arg.
Dolichocarpus R. Sant.
Enterodictyon Müll. Arg.
Enterographa Fée
Erythroducton G. Thor
Feigeana Mies, Lumbsch & Tehler
Follmanniella Peine & Werner
Gorgadesia Tav.
Graphidastra (Redinger) G. Thor
? *Halographis* Kohlm. & Volkm.-
Kohlm.
Haplodina Zahlbr.
Hubbsia W.A. Weber
Ingaderia Darb.
Lecanactis Körb.
Lecanographa Egea & Torrente
Mazosia A. Massal.

Minksia Müll. Arg.
Opegrapha Ach.
Dictyographa Müll. Arg.
Pentagenella Darb.
Peterjamesia D. Hawksw.
Phoebus R.C. Harris & Ladd
Plectocarpon Fée
? *Pseudolecanactis* Zahlbr.
Reinkella Darb.
Roccella DC.
Roccellaria Darb.
Roccellina Darb.
? *Roccellodea* Darb.
Roccellographa J. Steiner
Sagenidium Stirt.
Schismatomma Flot. & Körb. ex A.
Massal.
Schizopelte Th. Fr.
Sclerophyton Eschw.
Sigridea Tehler
Simonyella J. Steiner
Streimannia G. Thor
Syncesia Taylor

Arthoniales, genera incertae sedis

Arthophacopsis Hafellner
Catarraphia A. Massal.
? *Hormosphaeria* Lév.
Llimonaea Egea & Torrente
Nipholepis Syd.
Perigrapha Hafellner
Pulvinodecton Henssen & G. Thor
Sipmania Egea & Torrente
Synarthonia Müll. Arg.
Tania Egea, Torrente & Sipman
? *Tarbertia* Dennis
Trichophyma Rehm
Tylophorella Vain.
Wegea Aptroot & Tibell

Class Dothideomycetes

Dothideomycetes sensu O.E. Erikss &
Winka 1997

Dothideomycetidae P.M. Kirk, P.F.
Cannon, J.C, David & J.A. Stalpers ex

- Schoch, Spatafora, Crous & Shoemaker 2007
- Capnodiales** Woron. 1925
- Antennulariaceae** Woron. 1925
- Achaetobotrys* Bat. & Cif.
- Antennulariella* Woron.
- Capnodiaceae** (Sacc.) Höhn. ex Theiss. 1916
- ?*Aithaloderma* Syd. & P. Syd.
- ?*Anopeltis* Bat. & Peres
- ?*Callebaea* Bat.
- Capnodaria* (Sacc.) Theiss. & Syd.
- Capnodium* Mont.
- ?*Capnophaeum* Speg.
- ?*Ceramoclasteropsis* Bat. & Cavalc.
- ?*Echinothecium* Zopf
- ?*Hyaloscolecostroma* Bat. & J. Oliviera
- Phragmocapnias* Theiss. & Syd.
- ?*Polychaeton* (Pers.) Lév.
- ?*Scoriadopsis* Mend.
- Scorias* Fr.
- Coccodiniaceae** Höhn. ex O.E. Erikss. 1981
- Coccodinium* A. Massal.
- Dennisiella* Bat. & Cif.
- Limacinula* Höhn.
- Davidiaceae** Schoch, Spatafora, Crous & Shoemaker
- Davidiella* Crous & U. Braun
- Metacapnodiaceae** Hughes & Corlett 1972
- Metacapnodium* Speg.
- Mycosphaerellaceae** Lindau 1897
- Achorodopsis* Syd.
- Cymadothea* F.A. Wolf
- Euryachora* Fuckel
- Gillotia* Sacc. & Trotter
- Melanodopsis* R. Arnold
- Mycosphaerella* Johanson
- ?*Placocrea* Syd.
- Polysporella* Woron.
- Sphaerellothecium* Zopf
- Sphaerulina* Sacc.
- Stigmatium* Trevis.
- Wernerella* Nav.-Ros., Roux & Giralt
- Piedraiaceae** Viégas ex Cif., Bat. & Campos 1956
- Piedraia* Fons. & Leao
- Dothideales** Lindau 1897
- Dothideaceae** Chevall. 1826
- ?*Auerswaldia* Sacc.
- ?*Bagnisiella* Speg.
- ?*Coccostromella* Petr.
- Dictyodothis* Theiss. & Syd.
- Dothidea* Fr.
- Hyalocrea* Syd. & P. Syd.
- Mycoporis* Clem.
- Omphalospora* Theiss. & Syd.
- Pachysacca* Syd.
- ?*Phyllachorella* Syd.
- Scirrhia* Nitschke ex Fuckel
- Stylodothis* Arx & E. Müll.
- ?*Vestergrenia* Rehm
- Dothioraceae** Theiss. & H. Syd. 1917
- ?*Botryochora* Torrend
- Delphinella* (Sacc.) Kuntze
- Dothiora* Fr.
- Endodothiora* Petr.
- ?*Jaffuela* Speg.
- Plowrightia* Sacc.
- Sacchettothecium* Fr.
- Sydowia* Bres.
- Yoshinagaia* P. Henn.
- Myriangiales** Starbäck 1899
- Elsinoaceae** Höhn. ex Sacc. & Trotter 1913
- Beelia* F. Stevens & R.W. Ryan ex F. Stevens
- Butleria* Sacc.
- Elsinoë* Racib.
- Hemimyriangium* J. Reid & Piroz.

Hyalothelea Speg.
Micularia Boedijn
Mollerella G. Winter
Saccardinula Speg.
Stephanotheca Syd. & P. Syd.
Xenodium Syd.

Myriangiaceae Nyl. 1854

?*Anhellia* Racib.
Diplothea Starb.
?*Eurytheca* De Seynes
Myriangium Mont. & Berk.

Patellariales D. Hawksw. & O.E.
Erikss. 1986

Patellariaceae Corda 1838

Baggea Auersw.
Banhegyia Zeller & Tóth
?*Endotryblidium* Petr.
Holmiella Petrini, Samuels & E.
Müll.
Lecanidiella Sherwood
Lirelloisca Aptroot
Murangium Seaver
Patellaria Fr.
Poetschia Körb.
Rhizodiscina Hafellner
Rhytidhysteron Speg.
Schrakia Hafellner
Stratisporella Hafellner
Tryblidaria (Sacc.) Sacc.

Pleosporomycetidae Schoch, Spatafora,
Crous & Shoemaker

Pleosporales Luttrell ex M.E. Barr
syn. Melanommatales

Cucurbitariaceae G. Winter 1885

Cucurbitaria Gray
Curreya Sacc.
?*Rhytidiella* Zalasky
Syncarpella Theiss. & Syd.

Delitschiaceae M.E. Barr 2000

Delitschia Auersw.
Ohleriella Earle
Semidelitschia Cain & Luck-Allen

Diademaceae Shoemaker & C.E. Babc.
1992

Clathrospora Rabenh.
Comoclathris Clem.
Diadema Shoemaker & C.E. Babc.
Diademosia Shoemaker & C.E. Babc.
Graphyllum Clem.

Didymosphaeriaceae Munk 1953

Appendispora K.D. Hyde
Didymosphaeria Fuckel
Phaeodothis Syd. & P. Syd.
Rousoëlla Sacc.
Verruculina Kohlm. & Volkm.-
Kohlm.

Lophiostomataceae Sacc. 1883

Byssolophis Clem.
Cilioplea Munk
Entodesmium Riess
Epiphegia Nitschke ex G.H. Otth
Herpotrichia Fuckel
Lophiella Sacc.
Lophionema Sacc.
Lophiostoma Ces. & De Not.
Lophiotrema Sacc.
Massariosphaeria (E. Müll.) Crivelli
Muroia I. Hino & Katum.
Quintaria Kohlm. & Volkm.-Kohlm.

Massariaceae Nitschke 1869

Aigialus S. Schatz & Kohlm.
Decaisnella Fabre
Dothivalsaria Petr.
?*Dubitatio* Speg.
Massaria De Not.
Navicella Fabre

Massarinaceae Munk 1956

Keissleriella Höhn.
Massarina Sacc.
Saccharicola D. Hawksw. & O.E.
Erikss.

Melanommataceae G. Winter 1885

Acrocordiopsis Borse & K.D. Hyde
? *Anomalemma* Sivan.
? *Astrosphaeriella* Syd. & P. Syd.
Asymmetricospora J. Fröhl. & K.D. Hyde
Bicrouania Kohlm. & Volkm.-Kohlm.
? *Bimuria* D. Hawksw., Chea & Sheridan
Byssosphaeria Cooke
Calyptronectria Speg.
? *Caryospora* Kohlm.
Javaria Boise
Karstenula Speg.
? *Mamillisphaeria* K.D. Hyde, S.W. Wong & E.B.G. Jones
Melanomma Nitschke ex Fuckel
Ohleria Fuckel
Ostropella (Sacc.) Höhn.
Pseudotrichia Kirschst.
? *Trematosphaeria* Fuckel
Xenolophium Syd.

Montagnulaceae M.E. Barr 2001

Didymosphaerella Cooke
Kalmusia Niessl
Montagnula Berl.
? *Paraphaeosphaeria* O.E. Erikss.

Mytilinidiaceae Kirschst. 1924

Actidium Fr.
Lophium Fr.
Mytilinidion Duby
Ostreichnion Duby
Ostreola Darker
Quasiconcha M.E. Barr & M. Blackw.
Zoggium Lar. N. Vasiljeva

Phaeosphaeriaceae M.E. Barr 1979

Barria Z.Q. Yuan
Bricookea M.E. Barr
Carinisporea K.D. Hyde
? *Chaetoplea* (Sacc.) Clem.
? *Eudarluca* Speg.
Hadrospora Boise

Isthmosporella Shearer & Crane
Katumotoa Kaz. Tanaka & Y. Harada
? *Lautitia* S. Schatz
Leptosphaeria Ces. & De Not.
Metameris Theiss. & Syd.
Mixtura O.E. Erikss. & J.Z. Yue
Neophaeosphaeria Câmara, M.E. Palm & A.W. Ramaley
Nodulosphaeria Rabenh.
Ophiobolus Riess
Ophiosphaerella Speg.
Phaeosphaeria I. Miyake
Phaeosphaeriopsis Câmara, M.E. Palm & A.W. Ramaley
Pleoseptum A.W. Ramaley & M.E. Barr
Setomelanomma M. Morelet
? *Teratosphaeria* Syd. & P. Syd.
Wilmia Dianese, Inácio & Dornelo-Silva

Phaeotrichaceae Cain 1956

Echinoascotheca Matsush.
Phaeotrichum Cain & M.E. Barr
Trichodelitschia Munk

Pleomassariaceae M.E. Barr 1979

Asteromassaria Höhn.
Lichenopyrenis Calatayud, Sanz & Aptroot
Peridiothelia D. Hawksw.
Splanchnonema Corda
Pleomassaria Speg.

Pleosporaceae Nitschke 1869

Cochliobolus Drechsler
Crivellia Shoemaker & Inderbitzin
Decorospora Inderbitzin, Kohlm. & Volkm.-Kohlm.
Extrawettsteinina M.E. Barr
Falciformispora K.D. Hyde
Kriegeriella Höhn.
Lewia M.E. Barr & E.G. Simmons
Macrospora Fuckel
Monascostroma Höhn.

Platysporoides (Wehm.) Shoemaker
& C.E. Babc.
Pleospora Rabenh. ex Ces. & De
Not.
Pseudoyuconia Lar. N. Vasiljeva
Pyrenophora Fr.
Setosphaeria K.J. Leonard & Suggs
Zeuctomorpha Sivan., P.M. Kirk &
Govindu

Sporormiaceae Munk 1957

Chaetopreussia Locq.-Lin.
Eremodothis Arx
Pleophragmia Fuckel
Preussia Fuckel
Pycnidiphora Clum
Sporormia De Not.
Sporormiella Ellis & Everh.
Spororminula Arx & Aa
Westerdykella Stolck

Teichosporaceae M.E. Barr 2002

Bertiella (Sacc.) Sacc. & P. Syd.
Bysothecium Fuckel
Chaetomastia (Sacc.) Berl
Immothia M.E. Barr
Loculohypoxylon M.E. Barr
Sinodidymella J.Z. Yue & O.E.
Erikss.
Teichospora Fuckel

Testudinaceae Arx 1971

Lepidosphaeria Parg.-Leduc
Neotestudina Segretain &
Destombes
Testudina Bizz.
Ulospora D. Hawksw., Malloch &
Sivan.

Venturiaceae E. Müll. & Arx ex M.E.
Barr 1979

Acantharia Theiss. & Syd.
Antennularia Reichenb.
Apiosporina Höhn.
Arkoola J. Walker & Stovold
Atopospora Petr.

Botryostroma Höhn.
Caproventuria U. Braun
Coleroa (Fr.) Rabenh.
Crotone Theiss. & Syd.
Dibotryon Theiss. & Syd.
Gibbera Fr.
Lasiobotrys Kunze
?Lineostroma H.J. Swart
Metacoleroa Petr.
Phaeocryptopus Naumov
Phragmogibbera Samuels &
Rogerson
Platychora Petr.
?Polyrhizon Theiss. & Syd.
Pseudoparodia Theiss. & Syd.
Pseudoparodiella F. Stevens
Pyrenobotrys Theiss. & Syd.
Rhizogene Syd. & P. Syd.
Rosenscheldiella Theiss. & Syd.
Sivanesaniella Gawande & Agarwal
Trichodothella Petr.
Trichodothis Theiss. & Syd.
Uleodothis Theiss. & Syd.
Venturia Sacc.
Xenomeris Syd.

Zopfiaceae G. Arnaud ex D. Hawksw.
1992

Caryospora De Not.
Celtidia J.M. Janse
?Coronopapilla Kohlm. & Volkm.-
Kohlm.
?Didymocrea Kowalsky
?Halotthia Kohlm.
Pontoporeia Kohlm.
?Rechingeriella Petr.
Richonia Boud.
Zopfia Rabenh.
Zopfiofoveola D. Hawksw.

Pleosporales, genera incertae sedis

Didymella Sacc. ex D. Sacc.
Letendraea Sacc.
Shiraia P. Henn.

Dothideomycetes, orders incertae sedis

Botryosphaeriales Schoch, Crous & Shoemaker

Botryosphaeriaceae Theiss. & H. Syd. 1918

?*Amarenomyces* O.E. Erikss.
Auerswaldiella Theiss. & Syd.
Botryosphaeria Ces. & De Not.
Dothidotthia Höhn.
Guignardia Viala & Ravaz
Leptoguignardia E. Müll.
Saccharata Denman & Crous
Sivanesania W.H. Hsieh & C.Y. Chen

Hysteriales Lindau 1897

Hysteriaceae Chevall. 1826

Actidiographium Lar. N. Vasiljeva
Farlowiella Sacc.
Glioniella Sacc.
Gloniopsis De Not.
Glonium Mühl.
Hysterium Pers.
Hysterocarina Zogg
? *Hysteroglonium* Rehm ex Lindau
Hysterographium Corda
? *Hysteropatella* Rehm
? *Pseudoscypha* J. Reid & Piroz.

Jahnulales Pang, Abdel-Wahab, El-Sharouney, E.B.G. Jones & Sivichai 2002

Aliquandostipitaceae Inderbitzin 2001

Aliquandostipite Inderbitzin
Jahnula Kirschst.
Patescopora Abdel-Wahab & El-Sharouney

Dothideomycetes, families incertae sedis

Acrospormaceae Fuckel 1870

Acrospormum Tode
Oomyces Berk. & Broome

Argynnaceae Shearer & J.L. Crane 1980

Argynna Morgan

Lepidopterella Shearer & J.L. Crane

Arthopyreniaceae W. Watson 1929

Arthopyrenia A. Massal.
Athrismidium Trevis.
Mycomicrothelia Keissl.

Ascoporiaceae Kutorga & D. Hawksw. 1997

Pseudosolidum Lloyd

Asterinaceae Hansf. 1946

Allothyrium Syd.
Anariste Syd.
Aphanopeltis Syd.
Asterina Lév.
Asterodochis Theiss.
Asterolibertia G. Arnaud
Asterotexis Arx
? *Aulographina* Arx & E. Müll.
Batistinula Arx
Cirsosia G. Arnaud
Dothidasteromella Höhn.
Echidnodella Theiss. & Syd.
Echidnodes Theiss. & Syd.
Eupelte Syd.
Halbania Racib.
Lembosia Lév.
? *Lembosina* Theiss.
? *Lembosiopsis* Theiss.
Leveilleella Theiss. & Syd.
Macowaniella Doidge
Meliolaster Höhn.
? *Morenoina* Theiss.
Neostomella Syd.
Parasterinella Speg.
Parasterinopsis Bat.
? *Petrakina* Cif.
Placoasterella (Sacc.) Theiss. & Syd.
? *Placoasterina* Toro
Placosoma Syd.
Prillieuxina G. Arnaud
Symphaster Theiss. & Syd.
Thyriopsis Theiss. & Syd.
Trichamelia Bat.

- Trichasterina* G. Arnaud
Uleothyrium Petr.
Viegasia Bat.
Yamamotoa Bat.
- Aulographaceae** Luttr. ex P.M. Kirk,
P.F. Cannon & J.C. David 2001
Aulographum Lib.
Polyclypeolina Bat. & I.H. Lima ex
Bat.
- Coccoideaceae** P. Henn. ex Sacc. & D.
Sacc. 1905
Coccoidea P. Henn.
? *Coccoidella* Höhn.
- Cookellaceae** Höhn. ex Sacc. & Trotter
1913
Cookella Sacc.
Pycnoderma Syd.
Uleomyces P. Henn.
- Corynesporascaceae** Sivan. 1996
Corynesporasca Sivan.
- Dacampiaceae** Körb. 1855
? *Aaosphaeria* Aptroot
Clypeococcum D. Hawksw.
? *Cocciscia* Norman
Dacampia A. Massal.
Eopyrenula R.C. Harris
Kalaallia Alstrup & D.Hawksw.
Leptocucurthis Aptroot
Munkovalsaria Aptroot
Polycoccum Sauter ex Körb.
Pyrenidium Nyl.
Weddellomyces D. Hawksw.
- Englerulaceae** P. Henn. 1904
Englerula P. Henn.
Goosia B. Song
Parenglerula Höhn.
Rhizotaxis Theiss. & Syd.
Rhytidenglerula Höhn.
Schiffnerula Höhn.
Thrauste Theiss.
- Eremomycetaceae** Malloch & Cain
1971
Eremomyces Malloch & Cain
Rhexothecium Samson & Mouch.
- Euantennariaceae** Hughes & Corlett
1972
Euantennaria Speg.
Rasutoria M.E. Barr
Strigopodia Bat.
Trichopeltheca Bat., C.A.A. Costa &
Cif.
- Fenestellaceae** M.E. Barr 1979
Fenestella Tul. & C. Tul.
Lojkania Rehm
- Hypsostromataceae** Huhndorf 1994
Hypsostroma Huhndorf
Manglicola Kohlm.
- Leptopeltidaceae** Höhn. ex Trotter 1928
Dothiopeltis E. Müll.
Leptopeltis Höhn.
? *Nannfeldtia* Petr.
? *Phacidina* Höhn.
Ronnigeria Petr.
Staibia Bat. & Peres
- Lichenotheliaceae** Henssen 1986
Lichenothelia D. Hawksw.
- Meliolinaceae** S. Hughes 1993
Meliolina Syd. & P. Syd.
- Mesnieraceae** Arx & E. Müll. 1975
Bondiella Piroz.
? *Helochora* Sherwood
Mesniera Sacc. & P. Syd.
Stegasphaeria Syd. & P. Syd.
- Micropeltidaceae** Clem. & Shear 1931
? *Armata* W. Yamam.
Bonaria Bat.
Chaetothyрина Theiss.

Clypeolina Theiss.
Cyclopeltis Petr.
Dictyopeltella Bat. & I.H. Lima ex
 Bat.
Dictyopeltis Theiss.
Dictyostomiopelta Viégas
Dictyothyriella Speg. (non Rehm)
Dictyothyrina Theiss.
Dictyothyrium Theiss.
Hansfordiopsis Bat.
Haplopelthea Bat., J.L. Bezerra &
 Cavalc.
Mendoziopeltis Bat.
Micropeltis Mont.
 ?*Mitopeltis* Speg.
Muricopeltis Viégas
Polypedia Bat. & Peres
Stigmatodothis Syd. & P. Syd.
Stigmatophragma Tehon & G.L.
 Stout
Stomiopeltis Theiss.
Stomiopeltopsis Bat. & Cavalc.
Stomiotheca Bat.
Thyriodictyella Cif.

Microtheliopsidaceae O.E. Erikss. 1981
Microtheliopsis Müll. Arg.

Microthyriaceae Sacc. 1883

Actinomyxa Syd. & P. Syd.
Actinopeltis Höhn.
Arnaudiella Petr.
Asterinella Theiss.
Asterinema Bat. & Gayao
 ?*Asteritea* Bat. & R. Garnier
Asteronia (Sacc.) P. Henn.
Byssopeltis Bat., J.L. Bezerra & T.
 Barros
Calothyriopsis Höhn.
Caribaeomyces Cif.
Caudella Syd. & P. Syd.
 ?*Cirsosina* Bat. & J.L. Bezerra
Cirsosiopsis Butin & Speer
Cyclotheca Theiss.
Dictyoasterina Hansf.
Govindua Bat. & H. Maia

?*Helminthopeltis* Sousa da Câmara
 ?*Hidakaea* I. Hino & Katum.
 ?*Hugueninia* J.L. Bezerra & T.
 Barros (1970, non Reichenb. 1832)
 ?*Lembosiella* Sacc.
Lichenopeltella Höhn.
Maublancia G. Arnaud
Microthyrium Desm.
Muyocopron Speg.
Pachythyrium G. Arnaud ex Spooner
 & P.M. Kirk
Palawania Syd. & P. Syd.
 ?*Petrakiopeltis* Bat., A.F. Vital &
 Cif.
Phaeothyriolum Syd.
 ?*Phragmaspidium* Bat.
Platypeltella Petr.
Polycyclinopsis Bat., A.F. Vital &
 I.H. Lima
 ?*Polystomellina* Bat. & A.F. Vital
 ?*Resendea* Bat.
 ?*Sapucchaka* Ramakr.
 ?*Scolecopeltidium* F. Stevens &
 Manter
Seynesiella G. Arnaud
Seynesiopeltis F. Stevens & R.W.
 Ryan
 ?*Stegothyrium* Höhn.
 ?*Tothia* Bat.
 ?*Trichopeltella* Höhn.
 ?*Trichopeltina* Theiss.
 ?*Trichopeltospora* Bat. & Cif.
 ?*Trichopeltum* Bat., Cif. & C.A.A.
 Costa
Trichothyriella Theiss.
Trichothyrinula Petr.
Trichothyriomyces Bat. & H. Maia
Trichothyriopsis Theiss.
Trichothyrium Speg.
Xenostomella Syd.

Moriolaceae Zahlbr. 1903
Moriola Norman

Mycoporaceae Zahlbr. 1903

Mycoporum Flot. ex Nyl. (non G.
Mey.)

Naetrocymbaceae Höhnelt ex R.C.

Harris 1995

Jarxia D. Hawksw.
Leptorhaphis Körb.
Naetrocymbe Körb.
?Tomasellia A. Massal.

Parmulariaceae E. Müll. & Arx ex

M.E. Barr 1979

Aldona Racib.
Aldonata Sivan. & A.R.P. Sinha
Aulacostroma Syd. & P. Syd.
Camposia Speg.
Coccodopsis Theiss. & Syd.
Cocconia Sacc.
Cycloschizon P. Henn.
Cyclostomella Pat.
Dictyocyclus Sivan., W.H. Hsieh &
Chi Y. Chen
Dothidasteroma Höhn.
Englerodopsis Theiss. & Syd.
Ferrarisia Sacc.
?Hemigrapha (Müll. Arg.) D.
Hawksw.
Hysterostomella Speg.
Inocyclus Theiss. & Syd.
Kentingia Sivan. & W.H. Hsieh
Kiehlia Viégas
Mintera Inácio & P.F. Cannon
Pachypatella Theiss. & Syd.
Palawaniella Doidge
Parmularia Lév.
Parmulariopsella Sivan.
Parmulariopsis Petr.
Parmulina Theiss. & Syd.
Perischizon P. Syd.
Polycyclina Theiss. & Syd.
Polycyclus Höhn.
Protothyrium G. Arnaud
Pseudolembosia Theiss.
Rhagadolibium P. Henn. & Lindau
Rhipidocarpon (Theiss.) Theiss. &
Syd.

Symphaeophyma Speg.
Thallomyces H.J. Swart
Viegasiella Inácio & P.F. Cannon

Parodiellaceae Theiss. & H. Syd. ex

M.E. Barr 1987

Parodiella Speg.

Parodiopsidaceae (G. Arnaud) ex Toro

1952

Alina Racib.
Balladyna Racib.
Balladynocallia Bat.
Balladynopsis Theiss. & Syd.
Chevalieropsis G. Arnaud
Cleistosphaera Syd. & P. Syd.
Dimeriella Speg.
Dimerium Syd. & P. Syd.
Dysrhynchis Clem.
?Hyalomeliolina F. Stevens
Leptomeliola Höhn.
Neoparodia Petr. & Cif.
Ophiomeliola Starb.
Ophioparodia Petr. & Cif.
Parodiellina P. Henn. ex G. Arnaud
Perisporiopsis P. Henn.
Pilgeriella P. Henn.
Scolionema Theiss. & Syd.
Stomatogene Theiss.

Planistromellaceae M.E. Barr 1996

Comminutispora A.W. Ramaley
Eruptio M.E. Barr
Loratospora Kohlm. & Volkm.-
Kohlm.
Microcyclus Sacc. ex Syd. & P. Syd.
Mycosphaerellopsis Höhn. (n)
Planistroma A.W. Ramaley
Planistromella A.W. Ramaley

Polystromellaceae Theiss. & H. Syd.

1915

Dothidella Speg.
Munkiella Speg.
?Parastigmatea Doidge

Protoscyphaceae Kutorga & D.
Hawksw. 1997
Protoscypha Syd.

Pseudoperisporiaceae Toro 1926
?Aphanostigme Syd.
?Bryochiton Döbbeler & Poelt
?Bryomyces Döbbeler
?Epibryon Döbbeler
Episphaerella Petr.
Eudimeriolum Speg.
Eumela Syd.
Keratosphaera H.P. Upadhyay
Lasiostemma Theiss.
Lizonia (Ces. & De Not.) De Not.
Myxophora Döbbeler & Poelt
Nematostigma Syd. & P. Syd.
Nematostoma Syd. & P. Syd.
?Nematothecium Syd. & P. Syd.
Neocoleroa Petr.
Ophiciliomyces Bat. IH.Lima
Phaeodimeriella Speg.
Phaeostigme Syd. & P. Syd.
Phragmeriella Hansf.
?Pododimeria E. Müll.
Raciborskiomyces Siemaszko
Toroa Syd.

Pyrenotrichaceae Zahlbr. 1926
?Cyanoporina Groenh.
Pyrenothrix Riddle

Schizothyriaceae Höhn. ex Trotter et al.
1928
Amazonotheca Bat. & H. Maia
?Chaetoplaca Syd. & P. Syd.
Henningsiella Rehm
Hexagonella F. Stevens & Guba ex
F. Stevens
Kerniomyces Toro
Lecideopsella Höhn.
Linopeltis I. Hino & Katum.
Mendogia Racib.
Metathyriella Syd.
Mycerema Bat., J.L. Bezerra &
Cavalc.

?Myriangiella Zimm.
?Neopeltella Petr.
?Orthobellus Silva & Cavalc.
Plochmopeltis Theiss.
Schizothyrium Desm.

Trypetheliaceae Zenker 1827
Aptrootia Lücking & Sipman
Architrypethelium Aptroot
?Ascocratera Kohlm.
Astrothelium Eschw.
Campylothelium Müll. Arg.
Exiliseptum R.C. Harris
Laurera Reichenb.
Polymeridium (Müll. Arg.) R.C.
Harris
?Pseudopyrenula Müll. Arg.
?Trypetheliopsis Asah.
Trypethelium Sprengel

Tubeufiaceae M.E. Barr 1979
Acanthostigma De Not.
Acanthophiobolus Berl.
Acanthostigmella Höhn.
Allonecte Syd.
?Amphinectria Speg.
Boerlagiomyces Butzin
Byssocallis Syd.
Chaetocrea Syd.
Chaetosphaerulina I. Hino
Glaxoa P. Cannon
Letendraeopsis K.F. Rodriguez &
Samuels
Malacaria Syd.
Melioliphila Speg.
Paranectriella (P. Henn. & Sacc.)
Höhn.
Podonectria Petch
Puttemansia P. Henn.
Rebentischia P. Karst.
Taphrophila Scheuer
Thaxteriella Petr.
?Thaxteriellopsis Sivan., Panwar &
S.J. Kaur
Thaxterina Sivan., Rajak & R.C.
Gupta

Tubeufia Penz. & Sacc.
Uredinophila Rossman

Vizellaceae H.J. Swart 1971

Blasdalea Sacc. & P. Syd.
Vizella Sacc.

Dothideomycetes, genera incertae sedis

?*Achorella* Theiss. & Syd.
Acrogenotheca Cif. & Bat.
Allosoma Syd.
Amylirosa Spig.
Anthracostroma Petr.
Ascocoronospora Matsush.
Ascominuta Ranghoo & K.D. Hyde
?*Ascostratum* Syd. & P. Syd.
Belizeana Kohlm. & Volkm.
Biatriospora K.D. Hyde & Borse
Biciliopsis Diederich
Bifrontia Norman
Botryohypoxylon Samuels & J.D.
Rogers
Brefeldiella Spig.
Brooksia Hansf.
Bryopelta Döbbeler & Poelt
Bryorella Döbbeler
Bryosphaeria Döbbeler
Bryostroma Döbbeler
Bryothele Döbbeler
Buelliella Fink
Byssogene Syd.
Calyptra Theiss. & Syd.
Capillataspora K.D. Hyde
Capnodinula Bat. & Cif.
Catinella Boud.
Catulus Malloch & Rogerson
Ceratocarpia Rolland
Cercidospora Körb.
Cerodopsis Muthappa
Chaetoscutula E. Müll.
Coccochora Höhn.
?*Coccochorina* Hara
Colensoniella Hafellner
?*Comesella* Spig.
Crauatamyces Viégas
?*Cyrtidium* Vain.

Cyrtidula Minks
Cyrtopsis Vain.
Dangeardiella Sacc. & P. Syd.
Dawsomyces Döbbeler
Dawsophila Döbbeler
Dermatodothella Viégas
Dermatodothis Racib. ex Theiss. &
Syd.
Dianesea Inácio & P.F. Cannon
Didymocyrtidium Vain.
?*Didymocyrtis* Vain.
Didymoplella Munk
Diplochorina Gutner
Dolabra C. Booth & W.P. Ting
Dothideopsella Höhn.
Elmerinula Syd.
?*Endococcus* Nyl.
Epiphora Nyl.
Extrusothecium Matsush.
Flavobathelium Lücking, Aptroot &
Thor
Gibberidea Fuckel
Gilletiella Sacc. & P. Syd.
Globoa Bat. & H. Maia
Globulina Spig.
?*Gloeodiscus* Dennis
Grandigallia M.E. Barr, Hanlin,
Cedeño, Parra & R. Hern.
?*Griggsia* F. Stevens & Dalbey
Harknesiella Sacc.
Hassea Zahlbr.
Heleiosa Kohlm., Volkm.-Kohlm. &
O.E. Erikss.
Helicascus Kohlm.
Heptameria Rehm & Thuem.
Heterosphaeriopsis Hafellner
Homostegia Fuckel
Hyalocrea Syd. & P. Syd.
Hyalosphaera F. Stevens
Hypobryon Döbbeler
Hysteropeltella Petr.
Hysteropsis Rehm
Karschia Körb.
Kirschsteiniothelia D. Hawksw.
Koordersiella Höhn.
Kullhemia P. Karst.

Kusanobotrys P. Henn.
Lanatosphaera Matzer
Lazarenkoa Zerova
Lembosiopeltis Bat. & J.L. Bezerra
Leptosphaerulina McAlpine
Leptospora Rabenh.
 ?*Leveillina* Theiss. & Syd.
 ?*Licopolia* Sacc., Syd. & P. Syd.
Lidophia J. Walker & B. Sutton
Limaciniopsis Mend.
Lineolata Kohlm. & Volkm.-Kohlm.
 ?*Lophiosphaerella* Hara
Lopholeptosphaeria Sousa da
 Câmara
Macrovalsaria Petr.
Macroventuria Aa
Maireella Syd. & Maire
Massariola Fütisting
Microcyclella Theiss.
Microdothella Syd. & P. Syd.
Montagnella Speg.
Moriolomyces Cif. & Tomas.
Muellerites L. Holm
Mycocryptospora J. Reid & C. Booth
Mycodidymella C.Z. Wei, Y.
 Haradfa & K. Katumoto
Mycoglaena Höhn.
Mycopepon Boise
Mycoporopsis Müll. Arg.
Mycothyridium Petr.
Myriangiopsis P. Henn.
Myriostigmella G. Arnaud
Mytilostoma P. Karst.
Neopeckia Sacc.
Neoventuria Syd. & P. Syd.
Otthia Nitschke ex Fuckel
Paraliomyces Kohlm.
Parmulariella P. Henn.
Paropodia Cif. & Bat.
Passeriniella Berl.
Passerinula Sacc.
Peroschaeta Bat. & A.F. Vital
 ?*Phaeocyrtidula* Vain.
Phaeoglaena Clem.
Phaeopeltosphaeria Berl. & Peglion
 ?*Phaeosperma* Nitschke ex Fuckel
Phaeotomasellia Katum.
Philobryon Döbbeler
Philonectria Hara
Phragmoscutella Woron. &
 Abramov ex Woron.
Phragmosperma Theiss. & Syd.
Phycorella Döbbeler
 ?*Physalosporopsis* Bat. & H. Maia
 ?*Placodothis* Syd.
Placostromella Petr.
Plagiostromella Höhn.
Pleiomastix Bat., J.L. Bezerra &
 H. Maia
Plejobolus (E. Bommer, M.
 Rousseau & Sacc.) O.E. Erikss.
 ?*Pleosphaerellula* Naumov & Czer.
Pleostigma Kirschst.
Pleotrichiella Sivan.
Polysporidiella Petr.
Polystomellopsis F. Stevens
 ?*Propolina* Sacc.
Pseudodidymella C.Z. Wei, Y.
 Harada & Katumoto
Pseudomorfea Punith.
Pseudonitschkia Coppins &
 Kondratyuk
Pseudopleospora Petr.
Pteridiospora Penz. & Sacc.
Punctillum Petr. & Syd.
Pycnocarpon Theiss.
 ?*Pyrenochium* Link
Pyrenocyclus Petr.
Pyrenostigme Syd.
Racovitziella Döbbeler & Poelt (non
 De Wildeman)
Rhopographus Nitschke ex Fuckel
 ?*Robillardella* Takim.
Rosellinula R. Sant.
Rosenscheldia Speg.
Roumegueria (Sacc.) P. Henn.
Rousoëllopsis I. Hino & Katum.
 ?*Salsuginea* K.D. Hyde
Scolecobonaria Bat.
Semifissispora H.J. Swart
Semisphaeria K. Holm & L. Holm
Stuartella Fabre

?*Syrropeltis* Bat., J.L. Bezerra & Matta
Teichosporella (Sacc.) Sacc.
 ?*Teratoschaeta* Bat. & Fons.
Thalassoascus Ollivier
 ?*Thelenidia* Nyl.
Thryptospora Petr.
 ?*Thyridaria* Sacc.
Thyrospora Kirschst.
Tilakiella Srinivas.
Tirisporella E.B.G. Jones, K.D. Hyde & Alias
Tomeoa I. Hino
Tremateia Kohlm., Volkm.-Kohlm. & O.E. Erikss.
Trematosphaeropsis Elenkin
Tyrannosorus Untereiner & Malloch
Valsaria Ces. & De Not.
Vizellopsis Bat., J.L. Bezerra & T. Barros
Westea H.J. Swart
Wettsteinina Höhn.
 ?*Xylopezia* Höhn.
Yoshinagella Höhn.

Class Eurotiomycetes

Eurotiomycetes

Chaetothyriomycetidae Dowell

Chaetothyriales M.E. Barr 1987

Chaetothyriaceae Hansf. ex M.E. Barr 1979

Actinocymbe Höhn.
Ceramothyrium Bat. & H. Maia
Chaetothyrium Speg.
Euceramia Bat. & Cif.
Microcallis Syd.
Phaeosaccardinula P. Henn.
Treubiomyces Höhn.
Yatesula Syd. & P. Syd.

Herpotrichiellaceae Munk 1953

Capronia Sacc.
 ?*Pleomelogramma* Speg.

Pyrenulales Fink ex D. Hawksw. & O.E. Erikss. 1986

?**Monoblastiaceae** W. Watson 1929

Acrocordia A. Massal.
Anisomeridium (Müll. Arg.) M. Choisy
Caprettia Bat. & H. Maia
Porinella R. Sant.
Porinula Vězda
Monoblastia Riddle

Pyrenulaceae Rabenh. 1870

Acrocordiella O.E. Erikss.
Anthracotheceum Hampe ex A. Massal.
Clypeopyrenis Aptroot
Distopyrenis Aptroot
Granulopyrenis Aptroot
 ?*Lacrymospora* Aptroot
Lithothelium Müll. Arg.
Mazaediotheceum Aptroot
Parapyrenis Aptroot
Polypyrenula D. Hawksw.
Pyrenographa Aptroot
Pyrenowilmsia R.C. Harris & Aptroot
Pyrenula Ach. (1814)
Pyrgillus Nyl.
Sulcopyrenula H. Harada

Requienellaceae Boise 1986

Mauritiana Poonyth, K.D. Hyde, Aptroot & Peerally
Requienella Fabre

Pyrenulales, genera incertae sedis

Asteroporum Müll. Arg.
 ?*Blastodesmia* A. Massal.
Celothelium A. Massal.
Heufleridium Müll. Arg.
Micromma A. Massal.
Mycoporum G. Mey. (non Flot. ex Nyl.)
 ?*Porodithion* Fr.
 ?*Porothelium* Eschw.
Rhaphidicyrtis Vain.
 ?*Stromatothelium* Trevis. pp

- Xenus* Kohlm. & Volkm.-Kohlm.
- Verrucariales** Mattick ex D. Hawksw. & O.E. Erikss. 1986.
- Adelococcaceae** Triebel 1993
Adelococcus Theiss. & Syd.
Sagediopsis (Sacc.) Vain.
- Verrucariaceae** Zenker 1827
Agonimia Zahlbr.
Anthracoarpon Breuss
Awasthiella Kr.P. Singh
Bagliettoa A. Massal.
Bellemerella Nav.-Ros. & Cl. Roux
?Bogoriella Zahlbr.
Catapyrenium Flot.
Clauzadella Nav.-Ros. & Roux
Clavascidium Breuss
Dermatocarpella H. Harada
Dermatocarpon Eschw.
Diederimyces Etayo
Endocarpon Hedw.
?Glomerilla Norman
?Haleomyces D. Hawksw. & Essl.
Henrica de Lesd.
Heterocarpon Müll. Arg.
Heteroplacidium Breuss
Involucropyrenium Breuss
Lauderlindsaya J.C. David & D. Hawksw.
Leucocarpia Vèzda
Merismatium Zopf
Muellerella Hepp
Mycophycias Kohlm. & Volkm.-Kohlm.
Neocatapyrenium H. Harada
Norrlinia Theiss. & Syd.
?Phaeospora Hepp ex Stein
Placidiopsis Beltr.
Placidium A. Massal.
Placocarpus Trevis.
Placopyrenium Breuss
Placothelium Müll. Arg.
?Plurisperma Sivan.
Polyblastia A. Massal.
Psoroglaena Müll. Arg.
- Rhabdopsora* Müll. Arg.
Scleropyrenium H. Harada
Servitia M.S. Christ. & Alstrup
?Spheconisca (Norman) Norman
Staurothele Norman
Telogalla Nik. Hoffm. & Hafellner
Thelidiopsis Vain.
Thelidium A. Massal.
?Trimmatothelopsis Zschacke
Verrucaria Schrad.
Trimmatothele Norman ex Zahlbr.
- Verrucariales**, genera incertae sedis
?Kalbiana Henssen
Gemmaspora D. Hawksw. & Halici
- Chaetothyriomycetidae**, families incertae sedis
- Rhynchostomataceae** Winka & O.E. Erikss. 2000
Rhynchostoma P. Karst.
?Rhynchomeliola Speng.
- Strigulaceae** Zahlbr. 1898
?Oletheriostrigula Huhndorf & R.C. Harris
Phylloblastia Vain.
Strigula Fr.
- Chaetothyriomycetidae**, genera incertae sedis
Glyphium Nitschke ex F. Lehm
Moristroma A.I. Romero & Samuels
- Eurotiomycetidae** Geiser & Lutzoni
- Coryneliales** Seaver & Chardon 1926
Coryneliaceae Sacc. ex Berl. & Voglino 1886
Bicornispora Checa, Barrasa, M.N. Blanco & A.T. Martínez
Caliciopsis Peck
Corynelia Ach.
?Coryneliopsis Butin
Coryneliospora Fitzp.

- Fitzpatrickella* Benny, Samuelson & Kimbr.
Lagenulopsis Fitzp.
Tripospora Sacc. ex Berl. & Vogl.
- Eremascaceae** Engl. & E. Gilg 1924
Eremascus Eidam
- Eurotiales** G.W. Martin ex Benny & Kimbr. 1980
- Elaphomycetaceae** Tul. ex Paol. 1889
Elaphomyces Nees
Pseudotulostoma O.K. Miller & T. Henkel
- Monascaceae** J. Schröt. 1894
Monascus Tiegh.
 ?*Xeromyces* Fraser
- Trichocomaceae** E. Fisch. 1897
Byssochlamys Westling
Chaetosartorya Subram.
 ?*Chaetotheca* Zukal
Chromocleista Yaguchi & Udagawa
Cristaspora Fort. & Guarro
Dactylomyces Sopp
Dendrosphaera Pat.
Dichlaena Durieu & Mont.
Dichotomomyces Saito ex D.B. Scott
Edyuillia Subram.
Emericella Berk. & Broome
Erythrogymnotheca T. Yaguchi, A. Someya & Udagawa
Eupenicillium F. Ludw.
Eurotium Link
Fennellia B.J. Wiley & E.G. Simmons
Hemicarpenoteles Sarbhoy & Elphick
Neocarpenoteles Udagawa & Uchiyama
Neopetromyces Frisvad & Samson
Neosartorya Malloch & Cain
Penicilliopsis Solms
Petromyces Malloch & Cain
Sagenoma Stolk & G.F. Orr
Talaromyces C.R. Benj.
- Thermoascus* Miehe
Trichocoma Jungh.
Warcupiella Subram.
- Onygenales** Cif. ex Benny & Kimbr. 1980
 Arachnomycetales Gibas, Sigler & Currah 2002
 Ascosphaerales Gäum. ex Skou 1982
- Ajellomycetaceae** Untereiner, J.A. Scott & Sigler 2004
Ajellomyces McDonough & A.L. Lewis
- Arachnomycetaceae** Gibas, Sigler & Currah 2002
Arachnomyces Masee & E.S. Salmon
- Arthrodermataceae** Currah 1985
Arthroderma Curr. & Berk.
Ctenomyces Eidam
Shanorella R.K. Benj.
- Ascosphaeraceae** L.S. Olive & Spiltoir 1955
Arrhenosphaera Stejskal
Ascosphaera L.S. Olive & Spiltoir
Bettsia Skou
- Gymnoascaceae** Baran. 1872
Acithea Currah
Arachniotus J. Schröt.
Gymnascella Peck
Gymnoascoideus G.F. Orr, K. Roy & G.R. Ghosh
Gymnoascus Baran.
Kraurogymnocarpa Udagawa & Uchiyama
Mallochia Arx & Samson
Narasimhella Thirum. & P.N. Mathur
Orromyces Sur & G.R. Ghosh
- Onygenaceae** Berk. 1857

Amauroascus J. Schröt.
Aphanoascus Zokal
Apinisia La Touche
Arachnotheca Arx
Ascocalvatia Malloch & Cain
Auxarthron G.F. Orr & Kuehn
Bifidocarpus Cano, Guarro & R.F. Castañeda
Byssoonygena Guarro, Punsola & Cano
Chlamydosauromyces Sigler, Hambleton & Par
Kuehniella G.F. Orr
Leucothecium Arx & Samson
Monascella Guarro & Arx
Nannizziopsis Currah
Neoarachnotheca Ulfig, Cano & Guarro
Neogymnomyces G.F. Orr
Onygena Pers.
Pectinotrichum Varsavsky & G.F. Orr
Polytolypa J.A. Scott & Malloch
?Pseudoamauroascus Cano, Solé & Guarro
Renispora Sigler & J.W. Carmich.
Spiromastix Kuehn & G.F. Orr
Testudomyces Solé, Cano & Guarro
Uncinocarpus Sigler, G.F. Orr & Carm.
Xanthothecium Arx & Samson

Eurotiomycetidae, genera incertae sedis

Amauroscopsis Guarro, Gené & De Vroey
Azureothecium Matsush.
Calyptrorhiza Boekhout & Spaay
Leiothecium Samson & Mouch.
Paratalaromyces Matsush.
?Pisomyxa Corda
?Samarospora Rostr.
Veronaia Benedek

Mycocaliciomycetidae Tibell 2007

Mycocaliciales Tibell & Wedin 2000

Mycocaliciaceae A.F.W. Schmidt 1970

Chaenothecopsis Vain.
Mycocalicium Vain. ex Reinke
Phaeocalicium A.F.W. Schmidt
Stenocybe (Nyl.) Körb.

Sphinctrinaceae M. Choisy 1950

Pyrgidium Nyl.
Sphinctrina Fr.

Class Laboulbeniomycetes

Laboulbeniomycetes Engler 1898

Laboulbeniales Engler 1898

Ceratomycetaceae S. Colla 1934

Autoicomycetes Thaxt.
Ceratomyces Thaxt.
Drepanomyces Thaxt.
Eusynaptomyces Thaxt.
Helodiomyces F. Picard
Phurmomycetes Thaxt.
Plectomyces Thaxt.
Rhynchophoromyces Thaxt.
Synaptomyces Thaxt.
Tettigomyces Thaxt.
Thaumasiomyces Thaxt.
Thripomyces Speg.

Euceratomycetaceae I.I. Tav. 1980

Cochliomyces Speg.
Colonomyces R.K. Benj.
Euceratomyces Thaxt.
Euzodiomyces Thaxt.
Pseudoecteinomyces W. Rossi

Herpomycetaceae I.I. Tav. 1981

Herpomyces Thaxt.

Laboulbeniaceae G. Winter 1886

Acallomyces Thaxt.
Acompsomyces Thaxt.
Acrogynomyces Thaxt.
Amorphomyces Thaxt.
Amphimyces Thaxt.
Apatelomyces Thaxt.
Apatomyces Thaxt.
Aphanandromyces W. Rossi

Aporomyces Thaxt.
Arthrorhynchus Kolen.
Asaphomyces Thaxt.
Autophagomyces Thaxt.
Balazusia R.K. Benj.
Benjaminiomyces I.I. Tav.
Blasticomyces I.I. Tav.
Botryandromyces I.I. Tav. & T.
Majewski
Camptomyces Thaxt.
Cantharomyces Thaxt.
Capillistichus Santam.
Carpophoromyces Thaxt.
Chaetarthriomyces Thaxt.
Chaetomyces Thaxt.
Chitonomyces Peyronel
Clematomyces Thaxt.
Clonophoromyces Thaxt.
Columnomyces R.K. Benj.
Compsomyces Thaxt.
Coreomyces Thaxt.
Corethromyces Thaxt.
Corylophomyces R.K. Benj.
Cryptandromyces Thaxt.
Cucujomyces Speg.
Cupulomyces R.K. Benj.
Dermapteromyces Thaxt.
Diandromyces Thaxt.
Diaphoromyces Thaxt.
Diclonomyces Thaxt.
Dimeromyces Thaxt.
Dimorphomyces Thaxt.
Dioicomycetes Thaxt.
Diphymyces I.I. Tav.
? *Diplomyces* Thaxt.
Diplopodomycetes W. Rossi &
Balazuc
Dipodomycetes Thaxt.
Distolomyces Thaxt.
Dixomyces I.I. Tav.
Ecteinomyces Thaxt.
Enarthromyces Thaxt.
Eucantharomyces Thaxt.
Euhaplomyces Thaxt.
Eumisgomyces Speg.
Eumonoicomycetes Thaxt.
Euphoriomyces Thaxt.
Fanniomyces Maj.
Filariomyces Shanor
Gloeandromyces Thaxt.
Haplomyces Thaxt.
Hesperomyces Thaxt.
Histeridomyces Thaxt.
Homaromyces R.K. Benj.
Hydraeomyces Thaxt.
Hydrophilomyces Thaxt.
Idiomyces Thaxt.
Ilyomyces F. Picard
Ilytheomyces Thaxt.
Kainomyces Thaxt.
Kleidiomyces Thaxt.
Kruphaiomyces Thaxt.
Kyphomyces I.I. Tav.
Laboulbenia Mont. & C.P. Robin
Limnaiomyces Thaxt.
Majewskia Y.-B. Lee & Sugiyama
Meionomyces Thaxt.
Microsomyces Thaxt.
Mimeomyces Thaxt.
Misgomyces Thaxt.
Monandromyces R.K. Benj.
Monoicomycetes Thaxt.
Nanomyces Thaxt.
Neohaplomyces R.K. Benj.
Nycteromyces Thaxt.
Ormomyces I.I. Tav.
Osoriomyces Terada
Parvomyces Santam.
Peyrimhoffiella Maire
Peyritsiella Thaxt.
Phalacrichomyces R.K. Benjamin
Phaulomyces Thaxt.
Picardella I.I. Tav.
Polyandromyces Thaxt.
Polyascomycetes Thaxt.
Porophoromyces Thaxt.
Prolixandromyces R.K. Benj.
Pselaphidomyces Speg.
Rhachomyces Thaxt.
Rhipidiomyces Thaxt.
Rhizomyces Thaxt.
Rhizopodomycetes Thaxt.

Rickia Cavara
Rossiomyces R.K. Benj.
Sandersoniomyces R.K. Benj.
Scalenomyces I.I. Tav.
Scaphidiomyces Thaxt.
Scelophoromyces Thaxt.
Scepastocarpus Santam.
Siemaszkoa I.I. Tav. & Maj.
Smeringomyces Thaxt.
Sphaleromyces Thaxt.
Stemmatomyces Thaxt.
Stichomyces Thaxt.
Stigmatomyces H. Karst.
Sugiyamaemyces I. Tavares & Balazuc
Symplectromyces Thaxt.
Sympodomyces R.K. Benj.
Synandromyces Thaxt.
Tavaresiella T. Majewski
Teratomyces Thaxt.
Tetrandromyces Thaxt.
Trenomycetes Chatton & F. Picard
Triainomyces W. Rossi & A. Weir
Triceromyces T. Majewski
Trochoideomyces Thaxt.
Troglomyces S. Colla
Zeugandromyces Thaxt.
Zodiomyces Thaxt.

Pyxidiophorales P.F. Cannon 2001

Pyxidiophoraceae Arnold 1971

Mycorhynchidium Malloch & Cain
Pyxidiophora Bref. & Tavel

Laboulbeniomycetes, genera incertae sedis

?*Laboulbeniopsis* Thaxt.

Class Lecanoromycetes

Lecanoromycetes

Acarosporomycetidae Reeb, Lutzoni & Cl. Roux 2004

Acarosporales Reeb, Lutzoni & Cl. Roux

Acarosporaceae Zahlbr. 1906

Acarospora A. Massal.

Polysporinopsis Vezda

Glypholecia Nyl.

Lithoglypha Brusse

Pleopsidium Körb.

Polysporina Vezda

Sarcogyne Flot.

Thelocarpella Nav.-Ros. & Cl. Roux

Ostropomycetidae Reeb, Lutzoni & Cl. Roux 2004

Agyriales Clem. & Shear

Agyriaceae Corda 1838

Agyrium Fr.

Ainoa Lumbsch & I. Schmitt

Amylora Rambold

Anzina Scheid.

Coppinsia Lumbsch & Heibel

Lignoscripta B.D. Ryan

Lithographa Nyl.

Orceolina Hertel

Placopsis (Nyl.) Linds.

Placynthiella Elenkin

Ptychographa Nyl.

Rimularia Nyl.

Sarea Fr.

Trapelia M. Choisy

Trapeliopsis Hertel & Gotth.

Schneid.

Xylographa (Fr.) Fr.

Anamylopsoraceae Lumbsch & Lunke 1995

Anamylopsora Timdal

Baeomycetales Lumbsch, Huhndorf & Lutzoni

Baeomycetaceae Dumort. 1829

Baeomyces Pers.

Phyllobaeis Gierl & Kalb

Ostropales Nannf. 1932

syn. Gyalectales Henssen ex D.

Hawksw. & O.E. Erikss. 1986

syn. Trichotheliales Hafellner &

Kalb 1995

Coenogoniaceae (Fr.) Stizenb. 1862

Coenogonium Ehrenb. ex Nees
Dimerella Trevis.

Gomphillaceae W. Watson ex Hafellner
1984

syn. Solorinellaceae Vezda &
Poelt 1990
Actinoplaca Müll. Arg.
Aderkomyces Bat.
Aplanocalenia Lücking, Sérus. &
Vezda
Arthotheliopsis Vain.
Asterothyrium Müll. Arg.
Aulaxina Fée
Calenia Müll. Arg.
Caleniopsis Vezda & Poelt
Diploschistella Vain.
Echinoplaca Fée
Ferraroa Lücking, Sérus. & Vezda
Gomphillus Nyl.
Gyalectidium Müll. Arg.
Gyalidea Lettau
Solorinella Anzi
Gyalideopsis Vezda
Hippocrepidea Sérus.
Jamesiella Lücking, Sérus. & Vezda
Lithogyalideopsis Lücking, Sérus. &
Vezda
Paratracharia Lücking
?Psorotheciopsis Rehm
Rubrotricha Lücking, Sérus. &
Vezda
?Sagiolechia A. Massal.
Tricharia Fée

Graphidaceae Dumort. 1822

Acanthothecis Clem.
Anomalographis Kalb
Anomomorpha Nyl.
Carbacanthographis Staiger & Kalb
Diorygma Eschw.
Dyplolabia A. Massal.
Fissurina Feé
Glyphis Ach.

Graphis Adans.
Gymnographa Müll. Arg.
Gymnographopsis C.W. Dodge
Hemithecium Trevis.
Phaeographina Müll. Arg.
Phaeographis Müll. Arg.
Platygramme Fée
Platythecium Staiger
Sarcographa Fée
Thalloloma Trevis.
Thecaria Fée

Gyalectaceae (A. Massal.) Stizenb.
1862

?*Belonia* Körb.
?*Bryophagus* Nitschke ex Arnold
Cryptolechia A. Massal.
Gyalecta Ach.
Pachyphiale Lönnr.
Ramonia Stizenb.
Semigyalecta Vain.

Myeloconidaceae P.M McCarthy 2001
Myeloconis P.M McCarthy & Elix

Odontotremataceae D. Hawksw. &
Sherwood 1982

Bryodiscus B. Hein, E. Müll. & Poelt
Cocomycetella Höhn.
Geltingia Alstrup & D.Hawksw.
Odontotrema Nyl.
Odontura Clem.
Paraethariicola Calatayud, Etayo &
Diederich
Paschelkiella Sherwood
Potriphila Döbbeler
Rogellia Döbb.
Stromatothecia D.E. Shaw & D.
Hawksw.
Thamnogalla D. Hawksw.
Tryblis Clem.
Xerotrema Sherwood & Coppins

Phaneromycetaceae Gamundí &
Spinedi 1986

?*Phaneromyces* Speg. & Har. ex
Speg.

Phlyctidaceae Poelt & Vezda ex J.C.

David & D. Hawksw. 1991

Phlyctis (Wallr.) Flot.

Psathyrophlyctis Brusse

Porinaceae Reichenb. 1828

Clathroporina Müll. Arg.

Polycornum Malcolm & Vezda

Porina Müll. Arg.

Segestria Fr.

Trichothelium Müll. Arg.

Stictidaceae Fr. 1849

Absconditella Vèzda

Acarosporina Sherwood

Biostictis Petr.

Carestiella Bres.

Conotremopsis Vèzda

Cryptodiscus Corda

Cyanodermella O.E. Erikss.

?*Delpontia* Penz. & Sacc.

Lillicoa Sherwood

Nanostictis M.S. Christ.

Ostropa Fr.

?*Petractis* Fr.

?*Propoliopsis* Rehm

Robergea Desm.

Schizoxylon Pers.

Stictis Pers.

?*Stictophacidium* Rehm

?*Thelopsis* Nyl.

?*Topelia* P.M. Jørg. & Vèzda

Thelotremataceae (Nyl.) Stizenb. 1862

Acanthotrema A. Frisch

Chapsa A. Massal.

Chroodiscus (Müll. Arg.) Müll. Arg.

Diploschistes Norman

Fibrillithecis A. Frisch

Gyrotrema A. Frisch

Ingvariella Guderley & Lumbsch

Leptotrema Mont. & Bosch

Leucodecton A. Massal.

Melanotrema A. Frisch

Myriotrema Fée

Nadvornikia Tibell

Ocellularia G. Mey.

Ampliotrema Kalb

?*Phaeotrema* Müll. Arg.

Platygrapha Berk. & Broome

Polistroma Clemente

Pseudoramonia Kantvilas & Vezda

Redingeria A. Frisch

Reimnitzia Kalb

Stegobolus Mont.

Thelotrema Ach.

Topeliopsis Kantvilas & Vezda

Tremotylum Nyl.

Ostropales, incertae sedis

Amphorotheceium P.M. McCarthy,

Kantvilas & Elix

?*Leucogymnospora* Fink

Malvinia Döbbeler

?*Phaeographopsis* Sipman

Platygramme Fée

Platygraphopsis Müll. Arg.

?*Xyloschistes* Vain. ex Zahlbr.

Pertusariales M. Choisy ex D. Hawksw.
& O.E. Erikss. 1986

Coccotremataceae Henssen ex J.C.

David & D. Hawksw. 1991

Coccotrema Müll. Arg.

Parasiphula Kantvilas & Grube

Icmadophilaceae Triebel 1993

Dibaeis Clem.

Icmadophila Trevis.

Pseudobaeomyces M. Sati

Siphula Fr. (1831)

Siphulella Kantvilas, Elix & P.

James

Thamnolia Ach. ex Schaerer

Megasporaceae Lumbsch, Feige & K.
Schmitz 1994

Aspicilia A. Massal.

- Lobothallia* (Clauzade & Cl. Roux)
Hafellner
Megaspora (Clauzade & Cl. Roux)
Hafellner & V. Wirth
- Ochrolechiaceae** R.C. Harris ex
Lumbsch & I. Schmitt
Ochrolechia A. Massal.
Varicellaria Nyl.
- Pertusariaceae** Körb. ex Körb. 1855
Loxosporopsis Brodo, Henssen &
Imshaug.
Pertusaria DC.
?Thamnochrolechia Aptroot &
Sipman
- Ostropomycetidae**, families incertae
sedis
- Arctomiaceae** Th. Fr. 1860
Arctomia Th. Fr.
Gregorella Lumbsch
Wawea Henssen & Kantvilas
- ?Arthrorhaphidaceae** Poelt &
Hafellner 1976
Arthrorhaphis Th. Fr.
- Hymeneliaceae** Körb. 1855
Eiglera Hafellner
Hymenelia Kremp.
Ionaspis Th. Fr.
?Melanolecia Hertel
Tremolecia M. Choisy
- Protothelenellaceae** Vezda, H.
Mayrhofer & Poelt 1985
Mycowinteria Sherwood
Protothelenella Räsänen
Thrombium Wallr.
- Sarrameanaceae** Hafellner
syn. *Loxosporaceae* Kalb &
Staiger 1995
Loxospora A. Massal.
Sarrameana Vezda & P. James
- Schaereriaceae** Hafellner
Schaereria Th. Fr.
- Thelenellaceae** H. Mayrhofer 1986
?Chromatochlamys Trevis.
Julella Fabre
Thelenella Nyl.
- Ostropomycetidae**, genera incertae
sedis
?Aspilidea Hafellner
- Lecanoromycetidae** P.M. Kirk, P.F.
Cannon, J.C. David & Stalpers ex
Miadl., Lutzoni & Lumbsch 2007
- Lecanorales** Nannf. 1932
- Biatorrellaceae** M. Choisy ex Hafellner
& Casares-Porcel 1992
Biatorella De Not.
- Calycidiaceae** Elenkin 1929
Calycidium Stirt.
- Catillariaceae** Hafellner 1984
Austrolecia Hertel
Catillaria A. Massal.
Halecania M. Mayrhofer
Placolecis Trevis.
Solenopsora A. Massal.
Sporastatia A. Massal.
Xanthopsorella Kalb & Hafellner
- Cladoniaceae** Zenker 1827
syn. *Heterodeaceae* Filson;
Cetradoniaceae J.C. Wei &
Ahti 2002
Calathaspis I.M. Lamb & W.A.
Weber
Carassea S. Stenroos
Cetradonia J.C. Wei & Ahti
Cladia Nyl.
Cladonia Hill ex P. Browne
Gymnoderma Nyl.
Heterodea Nyl.
Heteromyces Müll. Arg.

- Metus* D.J. Galloway & P. James
Myelorrhiza Verdon & Elix
Notocladonia S. Hammer
Pilophorus Th. Fr.
Pycnothelia Duf.
Sphaerophoropsis Vain.
Squamella S. Hammer
Thysanothecium Mont. & Berk.
- Crocyniaceae** M. Choisy ex Hafellner 1984
Crocynia A. Massal.
- Dactylosporaceae** Bellem. & Hafellner 1982
Dactylospora Körb.
- Gypsoplacaceae** Timdal 1990
Gypsoplaca Timdal
- Haematommataceae** Hafellner 1984
Haematomma A. Massal.
- Lecanoraceae** Körb. 1855
Arctopeltis Poelt
Bryonora Poelt
Bryodina Hafellner
?Calvitimela Hafellner
Carbonea (Hertel) Hertel
Cladidium Hafellner
?Claurouxia D. Hawksw.
Clauzadeana Cl. Roux
Edrudia W.P. Jordan
Japewiella Printzen
Lecanora Ach.
Diomedella Hertel
Protoparmeliopsis M. Choisy
Lecidella Körb.
Maronina Hafellner & R.W. Rogers
Miriquidica Hertel & Rambold
Myrionora R.C. Harris
Psorinia Gotth. Schneid.
Punctonora Aptroot
?Pycnora Hafellner
Pyrrhospora Körb.
?Ramalinora Lumbsch, Rambold & Elix
- Ramboldia* Kantvilas & Elix
Rhizoplaca Zopf
Sagema Poelt & Grube
Traponora Aptroot
Tylothallia P. James & R. Kiliyas
Vainionora Kalb
- Megalariaceae** Hafellner 1984
Catillochroma Kalb
Megalaria Hafellner
Tasmidella Kantvilas, Hafellner & Elix
- Miltideaceae** Hafellner 1984
Miltidea Stirt.
- Mycoblastaceae** Hafellner 1984
Mycoblastus Norman
Tephromela M. Choisy
- Pachyascaceae** Poelt ex P.M. Kirk, P.F. Cannon & J.C. David 2001
Pachyascus Poelt & Hertel
- Parmeliaceae** Zenker 1827
syn. Anziaceae M. Sato 1939
Ahtiana Goward
Alectoria Ach.
Allantoparmelia (Vain.) Essl.
Allocetraria Kurok. & M.Y. Lai
Anzia Stizenb.
Arctocetraria Kärnefelt & Thell
Arctoparmelia Hale
Asahinea W.L. Culb. & C.F. Culb.
Brodoa Goward
Bryocaulon Kärnefelt
Bryoria Brodo & D. Hawksw.
Bulborrhizina Kurok.
Bulbothrix Hale
Bulbotrichella V. Marciano, S. Mohali & A. Morales
Canoparmelia Elix & Hale
Cavernularia Degel.
Cetraria Ach.
Cetrariastrum Sipman
Cetrariella Kärnefelt & Thell
Cetrariopsis Kurok.

Cetrelia W.L. Culb. & C.F. Culb.
Coelocaulon Link
Coelopogon Brusse & Kärnefelt
Cornicularia (Schreb.) Ach.
Coronoplectrum Brusse
Dactylina Nyl.
Davidgallowia Aptroot
Esslingeriana Hale & M.J. Lai
Evernia Ach.
Everniastrum Hale ex Sipman
Everniopsis Nyl.
Flavocetraria Kärnefelt & Thell
Flavoparmelia Hale
Flavopunctelia Hale
Himantormia I.M. Lamb
 Nimisia Kärnefelt & Thell
Hypogymnia (Nyl.) Nyl.
Hypotrachyna (Vain.) Hale
Imshaugia F.C. Mey.
Kaernefeltia Thell & Goward
Karoowia Hale
Letharia (Th. Fr.) Zahlbr.
Lethariella (Motyka) Krog
Masonhalea Kärnefelt
Melanelia Essl.
Melanelixia O. Blanco, A. Crespo,
 Divakar, Essl., D. Hawksw. &
 Lumbsch
Melanhalea O. Blanco, A. Crespo,
 Divakar, Essl., D. Hawksw. &
 Lumbsch
Menegazzia A. Massal.
Myelochroa (Asahina) Elix & Hale
Neopsoromopsis Gyeln.
Nephromopsis Müll. Arg.
 Tuckneraria Randle & Thell
Nesolechia A. Massal.
Nodobryoria Common & Brodo
Omphalodiella Henssen
Omphalodium Meyen & Flot.
Omphalora T.H. Nash & Hafellner
Oropogon Th. Fr.
Pannoparmelia (Müll. Arg.) Darb.
Parmelaria D.D. Awasthi
Parmelia Ach.
Parmelina Hale
Parmelinella Elix & Hale

Parmelinopsis Elix & Hale
Parmeliopsis (Nyl.) Nyl.
Parmotrema A. Massal.
Parmotremopsis Elix & Hale
Phacopsis Tul.
Placoparmelia Henssen
Platismatia W.L. Culb. & C.F. Culb.
Pleurosticta Petr.
Protoparmelia M. Choisy
Protousnea (Motyka) Krog
Pseudephebe M. Choisy
Pseudevernia Zopf
Pseudoparmelia Lynge
Psiloparmelia Hale
Psoromella Gyeln.
Punctelia Krog
Relicina (Hale & Kurok.) Hale
Relicinopsis Elix & Verdon
Sulcaria Bystr.
Tuckermanella Essl.
Tuckermannopsis Gyeln.
Usnea Dill. ex Adans.
 Dolichousnea (Y. Ohmura) Articus
 Eumitria Stirt.
 Neuropogon Nees & Flotow
Vulpicida Mattson & M.J. Lai
Xanthoparmelia (Vain.) Hale
 Albornia Essl.
 Neofuscelia Essl.
 Chondropsis Nyl.
 Namakwa Hale
 Paraparmelia Elix & J. Johnst.
 Xanthomaculina Hale

Pilocarpaceae Zahlbr. 1905

Badimia Vèzda
Badimiella Malcolm & Vèzda
Bapalmuia Sérus.
Barubria Vèzda
Bryogomphus Lücking, W.R. Buck,
 Sérus. & L.I. Ferraro
Byssolecania Vain.
Byssoloma Trevis.
Calopadia Vèzda
Calopadiopsis Lücking & R. Sant.
Fellhanera Vèzda
Fellhaneropsis Sérus. & Coppins

Kantvilasia P.M. McCarthy, Elix & Sérus.
Lasioloma R. Sant.
Lobaca Vèzda -
Loflammia Vèzda
Loflammiopsis Lücking & Kalb
Logilvia Vèzda
? *Lopadium* Körb.
Malcolmiella Vezda
Micarea Fr. (Dec. 1825)
Pseudocalopadia Lücking
Psilolechia A. Massal.
Scutula Tul.
Septotrapelia Aptroot & Chaves
Sporopodiopsis Sérusiaux
Sporopodium Mont.
Szczawinskia A. Funk
 Uluguria Vezda
? *Tapellaria* Müll. Arg.
Tapellariopsis Lücking

Psoraceae Zahlbr. 1898

Eremastrella Vogel
Glyphopeltis Brusse
Protoblastenia (Zahlbr.) J. Steiner
? *Protomicarea* Hafellner
Psora Hoffm. (1796)
Psorula Gotth. Schneid.

Ramalinaceae C. Agardh 1821

 syn. *Bacidiaceae* W. Watson
 1929
Aciculopsora Aptroot & Trest
Adelolecia Hertel & Hafellner
Arthrosporum A. Massal.
Bacidia De Not.
Bacidina Vezda
Bacidiopsora Kalb
Biatora Fr.
Catinaria Vain.
Cenozosia A. Massal.
Cliostomum Fr.
Compsocladium I.M. Lamb
Crustospathula Aptroot
Echidnocymbium Brusse
Frutidella Lalb

HeppSORA D.D. Awasthi & K. Singh
Herteliana P. James
Japewia Tønsberg
Jarmania Kantvilas
Krogia Timdal
Lecania A. Massal.
Lopezaria Kalb & Hafellner
Lueckingia Aptroot & Umana
Phyllopsora Müll. Arg.
Physcidia Tuck.
Ramalina Ach.
Ramalinopsis (Zahlbr.) Follmann & Huneck
Rolfidium Moberg
Schadonia Körb.
Speerschneidera Trevis.
Stirtoniella D.J. Galloway, Hafellner & Elix
Thamnolecania (Vain.) Gyeln.
Tibellia Vezda & Hafellner
Toninia A. Massal.
Toniniopsis Frey
Triclinum Fée
 Squamacidia Brako
Vermilacinia Spjut & Hale
Waynea Moberg

Scoliciosporaceae Hafellner

Scoliciosporum A. Massal.

Sphaerophoraceae Fr. 1831

Austropeltum Henssen, Döring & Kantvilas
Bunodophoron A. Massal.
Leifidium Wedin
Neophyllis F. Wilson
Sphaerophorus Pers.

Stereocaulaceae Chevall. 1826

Hertelidea Printzen & Kantvilas
Lepraria Ach.
Stereocaulon Hoffm.
 Lachnocaulon Clem. & Shaer. nom. illeg.
 Muhria P.M. Jørg.
Squamarina Poelt
Xyleborus R.C. Harris & Ladd

Lecanorales, genera incertae sedis
Ramalea Nyl.
Strangospora Körb.

Peltigerales W. Watson 1929

Collematineae Miadl. & Lutzoni

Coccocarpiaceae (Mont. ex Müll.
Stuttg.) Henssen 1986

Coccocarpia Pers.
Peltularia R. Sant.
Spilonema Bornet
Spilonemella Henssen & Tønsberg
Steinera Zahlbr.

Collemataceae Zenker 1827

Collema F.H. Wigg.
Homothecium A. Massal.
Leciophysma Th. Fr.
Leightoniella Henssen
Leptogium (Ach.) Gray
Physma A. Massal.
Ramalodium Nyl.
Staurolemma Körb.

Pannariaceae Tuck. 1872

Austrella P.M. Jørg.
Degelia Arv. & D.J. Galloway
Degeliella P.M. Jørg.
Erioderma Feé
Fuscoderma (D.J. Galloway & P.M.
Jørg.) P.M. Jørg. & D.J. Galloway
Fuscopannaria P.M. Jørg.
Kroswia P.M. Jørg.
Leioderma Nyl.
Lepidocollema Vain.
Moelleropsis Gyeln.
Pannaria Del. ex Bory
Parmeliella Müll. Arg.
Protopannaria (Gyeln.) P.M. Jørg.
& S. Ekman
Psoroma Michaux
Psoromidium Stirt.
Santessoniella Henssen
Siphulastrum Müll. Arg.

Placynthiaceae Å.E. Dahl 1950

Hertella Henssen
Koerberia A. Massal.
Leptochidium M. Choisy
Placynthiopsis Zahlbr.
Placynthium (Ach.) Gray
?Polychidium (Ach.) Gray
Vestergrenopsis Gyeln.

Peltigerineae

Lobariaceae Chevall. 1826

Dendrisocaulon Nyl.
Lobaria (Schreb.) Hoffm.
Lobariella Yoshim.
Pseudocyphellaria Vain.
Sticta (Schreb.) Ach.

Nephromataceae Wetm. ex J.C. David
& D. Hawksw. 1991
Nephroma Ach.

Peltigeraceae Dumort. 1822

Peltigera Willd.
Solorina Ach.

Peltigerineae, genera incertae sedis
Massalongia Körb.

Teloschistales D. Hawksw. & O.E.
Erikss. 1986

Letrouitiaceae Bellem. & Hafellner
1982
Letrouitia Hafellner & Bellem.

Megalosporaceae Vezda ex Hafellner &
Bellem. 1982

?Austroblastenia Sipman
Megaloblastenia Sipman
Megalospora Meyen

Physciaceae Zahlbr. 1898

syn. Caliciaceae Chevall. 1826
Acolium (Ach.) Grev.
Acroscyphus Lév.
Amandinea M. Choisy
Anaptychia Körb.

Australiaena Matzer, H. Mayrh. & Elix
Buellia De Not.
Calicium Pers.
Coscinocladium Kunze
Cratiria Marbach
?Culbersonia Essl.
Cyphelium Ach.
Dermaticum Nyl.
Dermiscellum Hafellner, H. Mayrhofer & Poelt
Dimelaena Norman
Diploicia A. Massal.
Diplotomma Flot.
Dirinaria (Tuck.) Clem.
Gassicurtia Feé
Hafellia Kalb, H. Mayrhofer & Scheid.
Heterodermia Trevis.
Hyperphyscia Müll. Arg.
Hypoflavia Marbach
Mischoblastia A. Massal.
Mobergia H. Mayrhofer, Sheard & Matzer
Monerolechia Trevis.
Phaeophyscia Mob.
Phaeorrhiza H. Mayrhofer & Poelt
Physcia (Schreb.) Michaux
Physciella Essl.
Physconia Poelt
Pyxine Fr.
?Redonia C.W. Dodge
Rinodina (Ach.) Gray
Rinodinella H. Mayrhofer & Poelt
Santessonia Hale & Vobis
Stigmatochroma Marbach
?Sphinctrinopsis Woron.
Tetramelas Norman
Texosporium Nádv. ex Tibell & Hofsten
Thelomma A. Massal.
Tholurna Norman
Tornabea Oesth.
?Tylophoropsis Sambo

Teloschistaceae Zahlbr. 1898

Caloplaca Th. Fr.
Cephalophysia (Hertel) H. Kilius
Fulgensia A. Massal. & De Not.
Huea C.W. Dodge & G.E. Baker
Ioplaca Poelt
Josefpoeltia Kondratyuk & K^oÛrnefelt **spelling**
Seiophora Poelt
Teloschistes Norman
Xanthodactylon P.A. Duvign.
Xanthomendoza Kondratyuk & K^oÛrnefelt **spelling**
Xanthopeltis R. Sant.
Xanthoria (Fr.) Th. Fr.

Lecanoromycetidae, families incertae sediss

Brigantiaaceae Hafellner & Bellem. 1982
?Argopsis Th. Fr.
Brigantiaea Trevis.

Elixiaaceae Lumbsch 1997
Elixia Lumbsch

Fuscideaceae Hafellner 1984
Fuscidea V. Wirth & Vèzda
Hueidia Kantvilas & P.M. McCarthy
?Lettauia D.Hawksw. & R. Sant.
?Maronea A. Massal.
?Orphniospora Körb.
?Ropalospora A. Massal.

Lecideaceae Chevall. 1826
 syn. Porpidiaceae Hertel & Hafellner 1984
Amygdalaria Norman
Bahianora Kalb
Bellemerea Hafellner & Cl. Roux
Catarrhospora Brusse
Cecidonia Triebel & Rambold
Clauzadea Hafellner & Bellem.
Cryptodictyon A. Massal.
Farnoldia Hertel
Immersaria Rambold & Pietschm.
Koerberiella Stein

Labyrinthina Malcolm, Elix & Owe-Larsson

Lecidea Ach.

Lecidoma Gotth. Schneid. & Hertel

Lopacidia Kalb

Mycobilimbia Rehm

Pachyphysis R.C. Harris & Ladd

Paraporpidia Rambold & Pietschm.

Poeltiaria Hertel

Poeltidea Hertel & Hafellner

Porpidia Körb.

?*Pseudopannaria* (de Lesd.) Zahlbr.

?*Rhizolecia* Hertel

Schizodiscus Brusse

?*Steinia* Körb.

Stephanocyclos Hertel

Xenolecia Hertel

Ophioparmaceae R.W. Rogers & Hafellner 1988

Ophioparma Norman

Hypocenomyce M. Choisy

Rhizocarpaceae M. Choisy ex Hafellner 1984

?*Catolechia* Flot.

?*Epilichen* Clem.

Poeltinula Hafellner

Rhizocarpon Ramond ex DC.

Vezeniaeaceae Poelt & Vezda ex J.C. David & D. Hawksw. 1991

Vezeniae Tsch.-Woess & Poelt

Lecanoromycetidae, genera incertae sedis

Boreoplaca Timdal

Lecanoromycetes, orders incertae sedis

Candelariales Miadl., Lutzoni & Lumbsch 2007

Candelariaceae Hakul.

Candelaria A. Massal.

Candelariella Müll. Arg.

Candelina Poelt

Placomaronea Räsänen

Umbilicariales Lumbsch, Hestmark & Lutzoni 2007

Umbilicariaceae Chevall. 1826

Lasallia Mérat

Umbilicaria Hoffm.

Lecanoromycetes, genera incertae sedis

Auriculora Kalb

Bartlettiella D.J. Galloway & P.M.

Jørg.

Biatoridium J. Lahm ex Körb.

Bilimbia De Not.

Botryolepraria Canals et al.

Bouvetiella Øvstedal

Buelliastrum Zahlbr.

Collolechia A. Massal.

?*Corticifraga* D.Hawksw. & R.Sant.

Corticiruptor Wedin & Hafellner

?*Eschatogonia* Trevis.

?*Haploloma* Trevis.

Helocarpon Fr.

Hosseusia Gyeln.

Korfiomyces Iturr. & D. Hawksw.

Leprocaulon Nyl.

Maronella M. Steiger

Mattickiolichen Tomas. & Cif.

Nimisiostella Calatayud, Barreno & O.E. Erikss.

Notolecidea Hertel

Piccolia A. Massal.

Podotara Malcolm & Vezda

?*Psorotichiella* Werner

?*Ravenelula* Speg.

Roccellinastrum Follmann

?*Stenhammarella* Hertel

Timdalia Hafellner

Class Leotiomycetes

Leotiomycetes Eriksson & Winka 1997

Cyttariales Luttr. ex Gamundí 1971

Cyttariaceae Speg. 1887

Cyttaria Berk.

Erysiphales Gwynne-Vaughan 1922

Erysiphaceae Tul. & C.Tul. 1861

Arthrocladiella Vassilkov
Blumeria Golovin ex Speer
Brasiliomyces Viégas
Bulbomicrosphaera A.Q. Wang
Bulbouncinula R.Y. Zheng & G.Q. Chen
Caespitotheca S. Takam. & U. Braun
Cystotheca Berk. & Curtis
Erysiphe DC.
Golvinomyces Gelyuta
Leveillula G. Arnaud
Medusosphaera Golovin & Gamalitzk.
Microsphaera Lév.
Neoerysiphe U. Braun
Phyllactinia Lév.
Pleochaeta Sacc. & Speg.
Podosphaera Kunze
Sawadaea Miyabe
Setoerysiphe Y. Nomura
Sphaerotheca Lév.
Typhulochaeta Ito & Hara
Uncinula Lév.
Uncinuliella R.Y. Zheng & G.Q. Chen

Helotiales Nannf. 1932

syn. Leotiales Carpenter 1988

Bulgariaceae Fr. 1849

Bulgaria Fr.
Holwaya Sacc.

Dermateaceae Fr. 1849

Aivenia Svrcek
Angelina Fr.
Ascluella DiCosmo et al.
Atropellis Zeller & Goodd.
Belonopsis (Sacc.) Sacc. & P. Syd.
Blumeriella Arx
Calloria Fr.
Calloriella Höhn.
Calycellinopsis W.Y. Zhuang
Cashiella Petr.
Cejpia Velen.

Chaetonaevia Arx
Chlorosplenium Fr.
Coleosperma Ingold
Coronellaria P. Karst.
Crustomollisia Svrcek
Cryptohymenium Samuels & L.M. Kohn
Dennisiodiscus Svrcek
Dermateopsis Nannf.
Dermea Fr.
Dibeloniella Nannf.
Diplocarpa Masee
Diplocarpon F.A. Wolf
Diplonaevia Sacc.
Discocurtisia Nannf.
Discohainesia Nannf.
Drepanopeziza (Kleb.) Höhn.
Duebenia Fr.
Durandiella Seaver
Eupropolella Höhn.
Felisbertia Viégas
Graddonia Dennis
Haglundia Nannf.
Hysteronaevia Nannf.
Hysteropezizella Höhn.
Hysterostegiella Höhn.
Involucroscypha Raitv.
Laetinaevia Nannf.
Leptotrochila P. Karst.
Micropeziza Fuckel
Mollisia (Fr.) P. Karst.
Naevala B. Hein
Naeviella (Rehm) Clem.
Naeviopsis B. Hein
Neofabraea H.S. Jacks.
Neotapesia E. Müll. & Hütter
Nimbomollisia Nannf.
Niptera Fr.
Nothophacidium J. Reid & Cain
Obscurodiscus Raitv.
Obtectodiscus E. Müll., Petrini & Samuels
Ocellaria (Tul. & C. Tul.) P. Karst.
Patellariopsis Dennis
Patinella Sacc.
Pezicula Tul. & C. Tul.

Pezolepis Syd.
Phaeonaevia L. Holm & K. Holm
Pirottaea Sacc.
Pleoscutula Vou.
Ploettnera P. Henn.
Podophaacidium Niessl
Pseudonaevia Dennis & Spooner
Pseudoniptera Velen.
Pseudopeziza Fuckel
Pyrenopeziza Fuckel
Sarconiptera Raitv.
Schizothyrioma Höhn.
Scleropezicula Verkley
Scutobelonium Graddon
Scutomollisia Nannf.
Sorokina Sacc.
Sorokinella J. Fröhl. & K.D. Hyde
Spilopodia Boud.
Spilopodiella E. Müll.
Trochila Fr.
Waltonia Saho

Helotiaceae Rehm 1886

Allophylaria (P. Karst.) P. Karst.
Ameghiniella Speng.
Aquadiscula Shearer & J.L. Crane
Ascocalyx Naumov
Ascoclavulina Otani
Ascocoryne J.W. Groves & D.E. Wilson
Ascotremella Seaver
Austrocenangium Gamundí
?Banksiamyces G. Beaton
Belonioscyphella Höhn.
Bioscypha Syd.
Bisporella Sacc.
Bryoscyphus Spooner
Bulgariella P. Karst.
Bulgariopsis P. Henn.
?Calloriopsis Syd. & P. Syd.
Capillipes R. Sant.
Carneopezizella Svrcek
Cenangiopsis Rehm (non Velen.)
Cenangium Fr.
Cenangiumella J. Fröhl. & K.D. Hyde

Chlorociboria Seaver ex Ramamurthi, Korf & L.R. Batra
Chloroscypha Seaver
Claussenomyces Kirschst.
Cordierites Mont.
Crocicreas Fr.
Crumenella P. Karst.
Crumenulopsis J.W. Groves
Cudoniella Sacc.
Dencoeliopsis Korf
Dictyonia Syd.
Discinella Boud. (non P. Karst.)
Encoeliopsis Nannf.
Episclerotium L.M. Kohn & Nagas.
Erikssonopsis M. Morelet
Eubelonis Höhn. n. illeg. (non Clem.)
Gelatinodiscus Kanouse & A.H. Sm.
?Gelatinopsis Rambold & Triebel
Gloeopeziza Zokal
Godronia Moug. & Lév.
Godroniopsis Diehl & E.K. Cash
Gorgoniceps P. Karst.
Grahamiella Spooner
Gremmeniella M. Morelet
Grimmicola Döbbeler & Hertel
Grovesia Dennis
Grovesiella M. Morelet
Heterosphaeria Grev.
Holmiodiscus Svrcek
Hymenoscyphus Gray
Jacobsonia Boedijn
Metapezizella Petr.
Micraspis Darker
?Micropodia Boud.
Mniaecia Boud.
Mollisinopsis Arendh. & R. Sharma
Mytilodiscus Kropp & S.E. Carp.
Neocudoniella S. Imai
Nipterella Starb. ex Dennis
Ombrophila Fr.
?Pachydisca Boud.
Parencoelia Petr.
Parorbiliopsis Spooner & Dennis
Patinellaria H. Karst.
Pestalopezia Seaver

Phaeangellina Dennis
Phaeofabraea Rehm
Phaeohelotium Kanouse
 ?*Physmatomyces* Rehm
Pocillum De Not.
Poculopsis Kirschst.
Polydiscidium Wakef.
Pragmopora A. Massal.
Pseudohelotium Fuckel
Pseudopezicula Korf
Rhizocalyx Petr.
Sageria A. Funk
Septopezizella Svrcek
Skyathea Spooner & Dennis
Stamnaria Fuckel
Strossmayeria Schulzer
Symphyosirinia E.A. Ellis
Tatraea Svrcek
Thindiomycetes Arendh. & R. Sharma
Tympanis Fr.
Unguiculariopsis Rehm
Velutarina Korf ex Korf
Weinmannioscyphus Svrcek
Xeromedulla Korf & W.Y. Zhuang
Xylogramma Wallr.

Hemiphacidiaceae Korf 1962

Chlorencoelia J.R.
 Dixon? *Didymascella* Maire &
 Sacc.
Fabrella Kirschst.
Heyderia (Fr.) Link
Korfia J. Reid & Cain
Rhabdocline Syd.
Sarcotrochila Höhn.

Hyaloscyphaceae Nannf. 1932

Albotricha Raitv.
Amicodisca Svrcek
Antinoa Velen.
 ?*Arachnopeziza* Fuckel
Asperopilum Spooner
Austropezia Spooner
Belonidium Mont. & Dur.
Betulina Velen.
Brunnipila Baral

Bryoglossum Redhead
Calycellina Höhn.
Calycina Nees ex Gray
Calypellopsis Svrcek
Capitotricha (Raitv.) Baral
Chrysothallus Velen.
Ciliolarina Svrcek
 ?*Ciliosculum* Kirschst.
Cistella Quéf.
Cistellina Raitv.
Clavidisculum Kirschst.
Dasyscyphella Tranzschel
Dematioscypha Svrcek
 ?*Didonia* Velen.
Dimorphotricha Spooner
Echinula Graddon
Eriopezia (Sacc.) Rehm
Fuscolachnum J.H. Haines
Fuscoscypha Svrcek
Graddonidiscus Raitv. & R. Galán
Hamatocanthoscypha Svrcek
Hegermila Raitv.
Hyalacrotetes (Korf & Kohn) Raitv.
Hyalopeziza Fuckel
Hyaloscypha Boud.
Hydrocina Scheuer
Hyphodiscus Kirschst.
Incrucipulum Baral
Incrupila Raitv.
Lachnaster Höhn.
Lachnellula P. Karst.
Lachnum Retz.
Dasyscyphus Nees
Lasiobelonium Ellis & Everh.
Microscypha Syd. & P. Syd.
Mollisina Höhn. ex Weese
Neodasyscypha Suková & Spooner
Olla Velen.
Otwaya G. Beaton
Parachnopeziza Korf
Perrotia Boud.
Phaeoscypha Spooner
Pithyella Boud.
Polaroscyphus Huhtinen
Polydesmia Boud.

Proliferodiscus J.H. Haines &
 Dumont
Proprioscypha Spooner
 ?*Protounguicularia* Raitv. & Galán
Psilachnum Höhn.
Psilocistella Svrcek
Pubigera Baral, Gminder & Svrcek
Rodwayella Spooner
Solenopezia Sacc.
Tapesina Lambotte
Trichopeziza Fuckel
Unguicularia Höhn.
Unguiculariella K.S. Thind & R.
 Sharma
Unguiculella Höhn.
Urceolella Boud.
Velutaria Fuckel
Venturiocistella Raitv.

Leotiaceae Corda 1842

Geocoryne Korf
Gelatinipulvinella Hosoya & Y.
 Otani
Leotia Pers.
Microglossum Gillet
Neobulgaria Petr.
Pezoloma Clem.

Loramycetaceae Dennis ex Digby &
 Goos 1988

Loramycetes W. Weston

Phacidiaceae Fr. 1821

?*Ascocoma* H.J. Swart
Lophophacidium Lagerb.
Phacidium Fr.

Rutstroemiaceae Holst-Jensen, L.M.
 Kohn & T. Schumacher 1997

Lambertella Höhn.
Lanzia Sacc.
Piceomphale Svrcek
Poculum Velen.
Rutstroemia P. Karst.
Sarcoleotia Ito & S. Imai
Scleromitruia S. Imai

Sclerotiniaceae Whetzel ex Whetzel
 1945

Asterocalyx Höhn.
Botryotinia Whetzel
Ciboria Fuckel
Ciborinia Whetzel
Coprotinia Whetzel
Cudoniopsis Speg.
Dicephalospora Spooner
Dumontinia L.M. Kohn
Elliottinia L.M. Kohn
Encoelia (Fr.) P. Karst.
Grovesinia M.N. Cline, J.L. Crane &
 S.D. Cline
Kohninia Holst-Jensen, Vrålstad &
 T. Schumacher.
Lambertellina Korf & Lizoñ
Martininia Dumont & Korf
Mitrula Fr.
Mitrulinia Spooner
Monilinia Honey
 ?*Moserella* Pöder & Scheuer
Myriosclerotinia N.F. Buchw.
Ovulinia Weiss
Phaeosclerotinia Hori
Poculina Spooner
Pseudociboria Kanouse
Pycnopeziza W.L. White & Whetzel
Redheadia Y. Suto & Suyama
Sclerocrana Samuels & L.M. Kohn
Sclerotinia Fuckel
Seaverinia Whetzel
Septotinia Whetzel ex J.W. Groves
 & M.E. Elliott
Streptotinia Whetzel
Stromatinia Boud.
Torrendiella Boud. & Torr.
Valdensinia Peyronel
Zoellneria Velen.

Vibrisseaceae Korf 1991

Chlorovibrissea L.M. Kohn
Leucovibrissea (A. Sánchez) Korf
Vibrissea Fr.

?**Ascocorticiaceae** J. Schröt. 1893

Ascocorticium Bref.

Helotiales, genera incertae sedis

Adelodiscus Syd.
? *Algincola* Velen.
Ambrodiscus Carpenter
Amylocarpus Curr.
? *Ascographa* Velen.
? *Atrocybe* Velen.
? *Benguetia* Syd. & P. Syd.
? *Capricola* Velen.
? *Cenangiopsis* Velen. (non Rehm)
? *Chlorospleniella* P. Karst.
Chondroderris Maire
? *Ciliella* Sacc. & P. Syd.
? *Comesia* Sacc.
? *Cornuntum* Velen.
? *Criserosphaeria* Speg.
Cryptopezia Höhn.
Dawsicola Döbbeler
Didymocoryne Sacc. & Trotter
? *Discomycella* Höhn.
Echinodiscus Etayo & Diederich
Endoscypha Syd.
Gloeotinia M. Wilson, Noble & E.G. Gray
Helotiella Sacc.
Hymenobolus Durieu & Mont.
? *Hyphoscypha* Velen.
? *Iridinea* Velen.
Lachnea (Fr.) Gillet
Lahmiomyces Cif. & Tomas.
? *Laricina* Velen.
? *Lasseria* Dennis
? *Lemalis* Fr.
Livia Velen.
Llimoniella Hafellner & Nav.-Ros.
? *Lobularia* Velen.
Loricella Velen.
Malotium Velen. (non *Mallotium* (Ach.) Gray)
Massea Sacc.
? *Melanopeziza* Velen.
? *Melanormia* Körb.
Merodontis Clem.

Microdiscus Sacc.
Midotiopsis P. Henn.
? *Muscia* Gizhitsk.
Muscicola Velen.
? *Mycomelaena* Velen.
? *Mycosphaerangium* Verkley
Myriodiscus Boedijn
Naemacyclus Fuckel
? *Obconicum* Velen.
? *Orbiliopsis* Velen. - (non (Sacc.) Syd.)
? *Orbiliopsis* (Sacc.) Syd. - (non Velen.)
? *Parthenope* Velen.
Peltigeromyces A. Möller
? *Pezomela* Syd.
Phaeopyxis Rambold & Triebel
? *Phragmiticola* Sherwood
? *Phyllopezis* Petr.
Pleiopatella Rehm
? *Polydiscina* Syd.
Potridiscus Döbbeler & Triebel
? *Pseudolachnum* Velen.
? *Pseudopeltis* L. Holm & K. Holm
? *Pseudotapesia* Velen.
Pseudotryblidium Rehm
? *Psilophana* Syd.
? *Psilothecium* Clem.
? *Pteromyces* E. Bommer, M. Rousseau & Sacc.
Rhymbocarpus Zopf
? *Riedera* Fr.
? *Rimula* Velen.
? *Robincola* Velen.
? *Roburnia* Velen.
? *Sambucina* Velen.
Sarcomyces Massee
? *Schnablia* Sacc. & P. Syd.
? *Scutulopsis* Velen.
Skyttea Sherwood, D. Hawksw. & Coppins
Skyttella D. Hawksw. & R. Sant.
? *Solanella* Vañha
? *Spirographa* Zahlbr.
Starbaeckia Rehm ex Starb.
? *Stilbopeziza* Speg.

?*Tanglella* Höhn.
? *Themisia* Velen.
Tovariella Syd.
Trichangium Kirschst.
Trichohelotium Killerm.
? *Tubolachnum* Velen.
Urceola Quéf.
Woodiella Sacc. & P. Syd.
Zugazaea Korf, Iturr. & Lizoñ

Rhytismatales M.E. Barr ex Minter,
Syst. Ascom. 5: 182 (1986).

Ascodichaenaceae D. Hawksw. &
Sherwood 1982

Ascodichaena Butin
Delpinoia Kuntze
? *Pseudophacidium* P. Karst.

Cryptomycetaceae Höhn. 1917 nom.
inval., ad int.

Cryptomyces Grev.
Macroderma Höhn.
? *Potebniomyces* Smerlis
Pseudorhytisma Juel

Cudoniaceae P.F. Cannon 2001

Cudonia Fr.
Spathularia Pers.

Rhytismataceae Chevall. 1826

Bifusella Höhn.
Bifusepta Darker
Bivallium P.R. Johnst.
Canavirgella W. Merr, Wenner &
Dreisbach
Ceratophacidium J. Reid & Piroz.
Cerion Masee
Coccomyces De Not.
Colpoma Wallr.
Criella (Sacc.) Sacc. & P. Syd.
Davisomycella Darker
Discocainia J. Reid & A. Funk
Duplicaria Fuckel
Duplicariella B. Erikss.
Elytroderma Darker
Hypoderma De Not.

Hypodermella Tubeuf
Hypohelion P.R. Johnst.
Isthmiella Darker
Lirula Darker
Lophodermella Höhn.
Lophodermium Chevall.
Lophomerum Quell. & Magasi
Marthamyces Minter
Meloderma Darker
Moutoniella Penz. & Sacc.
Myriophacidium Sherwood
Nematococcomyces C.-L. Hou, M.
Piepenbr. & Oberw.
Neococcomyces Y.R. Lin, C.T.
Xiang & Z.Z. Li
Nothorhytisma Minter, P.F. Cannon,
A.I. Romero & Peredo
? *Nymanomyces* P. Henn.
Parvacoccum R.S. Hunt & A. Funk
Ploioderma Darker.
Propolis (Fr.) Fr. non (Fr.) Corda
Pureke P.R. Johnston
Rhytisma Fr.
Soleella Darker
Sporomega Corda
Terriera B. Erikss.
Therrya Sacc.
Triblidiopsis P. Karst.
Virgella Darker
Vladracula P.F. Cannon, Minter &
Kamal
Xyloschizon Syd.
Zeus Minter & Diamandis

Rhytismatales, genera incertae sedis

? *Apiodiscus* Petr.
? *Bonanseja* Sacc.
Brunaudia (Sacc.) Kuntze
Cavaraella Speg.
? *Didymascus* Sacc.
Gelineostroma H.J. Swart
? *Haplophyse* Theiss.
Heufleria Auersw.
Hypodermellina Höhn.
? *Irydyonia* Racib.
? *Karstenia* Fr. ex Sacc.

?*Laquearia* Fr.
Lasiostictella Sherwood
?*Melittosporiella*
Mellitiosporium Corda
Metadothis (Sacc.) Sacc.
Neophacidium Petr.
Ocotomyces H.C. Evans & Minter
Phaeophacidium P. Henn. & Lindau
Propolidium Sacc.
?*Pseudotrochila* Höhn.
?*Tridens* Masee

Thelebolales P.F. Cannon 2001

Thelebolaceae (Brumm.) Eckblad 1968

Antarctomyces Stchigel & Guarro
Ascophanus Boud.
Ascozonus (Renny) E.C. Hansen
Caccobius Kimbr.
Coprobolus Cain & Kimbr.
Coprotiella Jeng & J.C. Krug
Coprotus Korf ex Korf & Kimbr.
Dennisiopsis Subram. & Chandras.
Leptokalpion Brumm.
Mycoarctium K. Jain & Cain
Ochotrichobolus Kimbr. & Korf
Pseudascozonus Brumm.
Ramgea Brumm.
Thelebolus Tode
Trichobolus (Sacc.) Kimbr. & Cain

Leotiomyces, families incertae sedis

Myxotrichaceae Currah 1985

Byussoascus Arx
Gymnostellatospora Udag., Uchiy.
& Kamiya
Myxotrichum Kunze
Pseudogymnoascus Rallo

Leotiomyces, genera incertae sedis

?*Darkera* H.S. Whitney, J. Reid & Piroz.

Class Lichinomycetes

Lichinomycetes Reeb, Lutzoni & Cl.
Roux 2004

Lichinales Henssen & Büdel 1986

Gloeoheppiaceae Henssen 1995

Gloeoheppia Gyeln.
Gudelia Henssen
Pseudopeltula Henssen

Heppiaceae Zahlbr. 1906

Corynecystis Brusse
Epiphloea Trevis.
Heppia Nägeli
Pseudoheppia Zahlbr.
Solorinaria (Vain.) Gyeln.

Lichinaceae Nyl. 1854

Anema Nyl.
Calotrichopsis Vain.
Cryptothele Th. Fr.
Digitothyrea P. Moreno & Egea
Edwardiella Henssen
Ephebe Fr.
Euopsis Nyl.
Finkia Vain.
Gonohymenia J. Steiger
Gyrocollema Vain.
Harpidium Körb.
Jenmania W. Wächt.
Lecidopyrenopsis Vain.
Lemmopsis (Vain.) Zahlbr.
Lempholemma Körb.
Leprocollema Vain.
Lichina C. Agardh
Lichinella Nyl.
Lichinodium Nyl.
?*Mawsonia* C.W. Dodge
Metamelaena Henssen
Paulia Feé
Peccania Massal. ex Arnold
Phloeopeccania J. Steiner
Phylliscidiopsis Sambo
Phylliscidium Forssell
Phyllisciella Henssen & Büdel
Phylliscum Nyl.
Porocyphus Körb.
?*Pseudarctomia* Gyeln.
Pseudopaulia M. Schultz
Psorotichia Massal.

Pterygiopsis Vain.
Pyrenocarpon Trevis.
Pyrenopsis Nyl.
Stromatella Henssen
Synalissa Fr.
Thelignya A. Massal.
Thermutis Fr.
Thermutopsis Henssen
Thyrea A. Massal.
Zahlbrucknerella Herre

Peltulaceae Büdel 1986
Neoheppia Zahlbr.
Peltula Nyl.
Phyllopeltula Kalb

Class Orbiliomycetes

Orbiliomycetes O.E. Erikss. & Baral
2003

Orbiliales Baral, O.E. Erikss., G.
Marson & E. Weber 2003

Orbiliaceae Nannf. 1932
Hyalorbilia Baral & G. Marson
Orbilia Fr.

Class Pezizomycetes

Pezizomycetes sensu O.E. Erikss. &
Winka 1997

Pezizales J. Schröt. 1894

Ascobolaceae Boud. ex Sacc. 1884
Ascobolus Pers.
Cleistoiodophanus J.L. Bezerra &
Kimbr.
Cubonia Sacc.
Saccobolus Boud.
Thecotheus Boud.

Ascodesmidaceae J. Schröt. 1893
Ascodesmis Tiegh.
Eleutherascus Arx
Lasiobolus Sacc.

Caloscyphaceae Harmaja 2002
Caloscypha Boud.

Carbomycetaceae Trappe 1971
Carbomyces Gilkey

Discinaceae Benedix 1961
Gymnohydnotrya B.C. Zhang &
Minter
Gyromitra Fr.
Hydnotrya Berk. & Broome
Pseudorhizina Jacz.

Glaziellaceae J.L. Gibson 1986
Glaziella Berk.

Helvellaceae Fr. 1823
Balsamia Vittad.
Barssia Gilkey
?Cidaris Fr.
Helvella Fr.
Picoa Vittad.

Karstenellaceae Harmaja 1974
Karstenella Harmaja

Morchellaceae Reichenb. 1834
Disciotis Boud.
?Fischerula Matt.
?Leucangium Quél.
Morchella Dill.
Verpa Sw.

Pezizaceae Dumort. 1829
Amylascus Trappe
Boudiera Cooke
Cazia Trappe
Eremiomyces Trappe & Kagan-Zur
Hapsidomyces J.C. Krug & Jeng
Hydnobolites Tul. & C. Tul.
Hydnotryopsis Gilkey
Iodophanus Korf
Iodowynnea Medel, Guzmán &
Chacon
Kalahartuber Trappe & Kagan-Zur
Lepidotia Boud.
Marcelleina Brumm., Korf & Rifai
Mattiroliomyces E. Fisch.

Mycoclelandia Trappe & G. Beaton
Pachyella Boud.
Pachyphloeus Tul. & C. Tul.
Peziza Fr.
Plicaria Fuckel
Rhodopeziza Hohmeyer & Moravec
Ruhlandiella P. Henn.
Sarcosphaera Auersw.
Scabropezia Dissing & Pfister
Sphaerozone Zobel
Terfezia (Tul. & C. Tul.) Tul. & C.
 Tul.
Tirmania Chatin

Pyronemataceae Corda

Acervus Kanouse
Aleuria Fuckel
Aleurina Masseur
Anthracobia Boud.
Aparaphysaria Speg.
Arpinia Berthet,
Ascocalathium Eidam ex J. Schröt.
Ascosparassis Kobayasi
Boubovia Svrcek
Byssonectria P. Karst.
Boudierella Sacc.
Chalazion Dissing & Sivertsen
Cheilymenia Boud.
Cleistothelebolus Malloch & Cain
Dictyocoprotus J.C. Krug & R.S.
 Khan
Eoaleurina Korf & W.Y. Zhuang
Galeoscypha Svrcek & J. Moravec
Genea Vittad.
Geneosperma Rifai
Geopora Harkn.
Geopyxis (Pers.) Sacc.
Gilkeya M.E. Sm., Trappe & Rizzo
Hiemsia Svrcek
Humaria Fuckel
Hydnocystis Tul.
Hypotarzetta Donadini
Jafnea Korf
Kotlabaea Svrcek
Lamprospora De Not.
Lasiobolidium Malloch & Cain

Lathraeodiscus Dissing & Sivertsen
Lazuardia Rifai
Leucoscypha Boud.
Luciotrichus Galán & Raitviir
Melastiza Boud.
Miladina Svrcek
Moravecchia Benkert, Caillet &
 Moyne
Mycogalopsis Gjurasin
Nannfeldtiella Eckblad
Neottiella (Cooke) Sacc.
Nothojafnea Rifai
Octospora Hedw.
Octosporella Döbbeler
 ?*Orbicula* Cooke
Otidea (Pers.) Bon.
Otideoopsis B. Liu & J.Z. Cao
Flavoscypha Harmaja
Oviascoma Y.J. Yao & Spooner
Parascutellinia Svrcek
Paratrachophaea Trigaux
Paurocotylis Berk. ex Hook.
Petchiomyces E. Fisch. & Matt.
Phaeangium Pat.
Pseudaleuria Lusk
Pseudombrophila Boud.
Psilopezia Berk.
Pulvinula Boud.
Pyronema Carus
Pyropyxis Egger
Ramsbottomia W.D. Buckley
Rhizoblepharia Rifai
Rhodoscypha Dissing & Sivertsen
Rhodotarzetta Dissing & Sivertsen
Scutellinia (Cooke) Lambotte
Smardaea Svrcek
Sowerbyella Nannf.
Sphaerosoma Klotzsch
Sphaerosporella (Svrcek) Svrcek &
 Kubicka
Spooneromyces T.Schumach. & J.
 Moravec
Stephensia Tul. & C. Tul.
Tazzetta (Cooke) Lambotte
Tricharina Eckblad
Trichophaea Boud.
Trichophaeopsis Korf & Erb

Warcupia Paden & J.V. Cameron
Wenyingia Zheng Wang & Pfister
Wilcoxina Chin S. Yang & Korf

Rhizinaceae Bonord. 1851

Rhizina Fr.

Sarcoscyphaceae LeGal ex Eckblad
1968

Aurophora Rifai
Chorioactis Kupfer ex Eckblad
Cookeina Kuntze
Desmazierella Lib.
Geodina Denison
Komposcypha Pfister
Microstoma Bernstein
Nanoscypha Denison
Phillipsia Berk.
Pithya Fuckel
Pseudopithyella Seaver
Sarcoscypha (Fr.) Boud.
Thindia Korf & Waraitch
Wynnea Berk. & Curtis

Sarcosomataceae Kobayasi 1937

Donadinia Bellem. & Meléndez-
Howell
Galiella Nannf. & Korf
Korfiella D.C. Pant & V.P. Tewari
?Neournula Paden & Tylutki
Plectania Fuckel
Pseudoplectania Fuckel
Sarcosoma Casp.
Selenaspora R. Heim & Le Gal
?Strobiloscypha N.S. Weber &
Denison
Urnula Fr.
?Wolfina Seaver ex Eckblad

Tuberaceae Dumort. 1822

Choiromyces Vittad.
Dingleya Trappe
Labyrinthomyces Boedijn
Paradoxa Mattir.
Reddelomyces Trappe
Tuber F.H. Wigg.

Pezizales, genera incertae sedis

Delastria Tul. & C. Tul.
Discinella P. Karst. (non Boud.)
Filicupula Yao & Spooner
Loculotuber Trappe, Parladé & I.F.
Alvarez
?Microeurotium Ghatak
Orcadia G.K. Sutherl.
Urceolaria Bon.

Class Sordariomycetes

Sordariomycetes sensu O.E. Erikss. &
Winka 1997

Hypocreomycetidae O.E. Erikss. &
Winka 1997

Coronophorales Nannf. 1932

Bertiaceae Smyk 1981
Bertia De Not.

Chaetosphaerellaceae Huhndorf, A.N.
Mill. & F.A. Fern. 2004
Chaetosphaerella E. Müll. & C.
Booth
Crassochaeta Réblová

Nitschkiaceae (Fitzp.) Nannf. 1932

Acanthonitschkea Speg.
Biciliosporina Subram. & Sekar
Botryola Bat. & J.L. Bezerra
Coronophora Fuckel
Enchnoa Fr.
Fracchiaea Sacc.
Gaillardiella Pat.
Groenhiella Jørgen Koch, E.B.G.
Jones & S.T. Moss
Janannfeldtia Subram. & Sekar
Lasiosphaeriopsis D. Hawksw. &
Sivan.
Loranitschkea Lar. N. Vasiljeva
Nitschkea G.H. Otth ex P. Karst.
Rhagadostoma Körb.
Rhagadostomella Etayo

Scotechiniaceae Huhndorf, A.N. Mill.

& F.A. Fern. 2004

Euacanthia Theiss.

Neofracchiaea Teng

Scortechinia Sacc.

Hypocreales Lindau 1897

Bionectriaceae Samuels & Rossman
1999

Battarrina (Sacc.) Clem. & Shear

Bionectria Speg.

Bryocentria Döbbeler

Bryonectria Döbbeler

Clibanites P. Karst.

Dimerosporiella Speg.

Globonectria Etayo

Halonectria E.B.G. Jones

Heleococcum P.M. Jørg.

Hydropisphaera Dumort.

Ijuhya Starbäck

Kallichroma Kohlm. & Volkm.-
Kohlm.

Lasionectria (Sacc.) Cooke

Mycoarachis Malloch & Cain

Mycocitrus A. Möller

Nectriella Nitschke ex Fuckel

Nectriopsis Maire

Ochronectria Rossman & Samuels

Paranectria Sacc.

Pronectria Clem.

Protocreopsis Yoshim. Doi

Roumegueriella Speg.

Selinia P. Karst.

Stephanonectria Schroers & Samuels

Stilbocrea Pat.

Trichonectria Kirschst.

Valsonectria Speg.

Clavicipitaceae (Lindau) Earle ex
Rogerson 1971

Aciculosporium I. Miyake

Ascopolyporus A. Möller

Atkinsonella Diehl

Atricordyceps Samuels

Balansia Speg.

Berkellella (Sacc.) Sacc.

Cavimalum Yoshim. Doi, Dargan &
K.S. Thind

Claviceps Tul.

Cordycepioideus Stifler

Cordyceps (Fr.) Link

Dussiella Pat.

Epichloë (Fr.) Tul. & C. Tul.

Epicrea Petr.

Helminthascus Tranzschel

Heteroepichloë E. Tanaka, C.

Tanaka, Abdul Gafur & Tsuda

Hypocreella Sacc.

Hyperdermium J. White, R. Sullivan,

G. Bills & N. Hywel-Jones

Konradia Racib.

?*Loculistroma* F. Patt. & Charles

Metacordyceps G.H. Sung, J.M.

Sung, Hywel-Jones & Spatafora

Moelleriella Bres.

Mycomalus A. Möller

Myriogenospora G.F. Atk.

Neobarya Lowen

Neoclaviceps J. White, G. Bills, S.

Alderman & J. Spatafora

Neocordyceps Kobayasi

Parepichloë F.J. White Jr & Reddy

Podocrella Seaver

Regiocrella Chaverri & K.T. Hodge

Romanoa Thirum.

Shimizuomyces Kobayasi

Sphaerocordyceps Kobayasi

Stereocrea Syd. & P. Syd.

Torrubiella Boud.

Wakefieldiomyces Kobayasi

Hypocreaceae De Not. 1844

Aphysiostroma Barrasa, A.T.

Martínez & G. Moreno

Arachnocrea Z. Moravec

Dialhypocrea Speg.

Hypocrea Fr.

Podostroma P. Karst.

Hypocreopsis P. Karst.

Hypomyces (Fr.) Tul.

Protocrea Petch

Pseudohypocrea Yoshim. Doi

Rogersonia Samuels & Lodge
Sarawakus Lloyd
Sphaerostilbella (P. Henn.) Sacc. &
D. Sacc.
Sporophagomyces K. Poldmaa &
Samuels
? *Syspastospora* P.F. Cannon & D.
Hawksw.

Nectriaceae Tul. & C. Tul. 1844

Albonectria Rossman & Samuels
Allonectella Petr.
Calonectria De Not.
Calostilbe Sacc. & Syd.
? *Chaetonectrioides* Matsush.
Corallomycetella P. Henn.
Cosmospora Rabenh.
Gibberella Sacc.
Glionectria Crous & C.L. Schoch
Haematonectria Samuels &
Nirenberg
Lanatonectria Rossman & Samuels
Leuconectria Rossman, Samuels &
Lowen
Nectria (Fr.) Fr.
Nectricladiella Crous & C.L. Schoch
Neocosmospora E.F. Sm.
Neonectria Wollenw.
Ophionectria Sacc.
? *Persiciospora* P.F. Cannon & D.
Hawksw.
Pleogibberella Sacc.
Pseudonectria Seaver
Rubrinectria Rossman & Samuels
Stalagmites Theiss. & Syd.
Viridispora Samuels & Rossman
Xenocalonectria Crous & C.L.
Schoch
Xenonectriella Weese

Niessliaceae Kirschst. 1939

Circioniesslia Samuels & M.E. Barr
Cryptoniesslia Scheuer
Hyaloseta A.W. Ramaley
Malmeomyces Starb.
Melanopsamma Niessl

Melchioria Penz. & Sacc.
Miyakeomyces Hara
Myrmaeciella Lindau
Niesslia Auersw.
Paraniesslia K.M. Tsui, K.D. Hyde
& Hodgkiss
Pseudonectriella Petr.
Pseudorhynchia Höhn.
Taiwanascus Sivan & H.S. Chang
Trichosphaerella E. Bommer, M.
Rousseau & Sacc.
Valetoniella Höhn.
Valetoniellopsis Samuels & M.E.
Barr

Ophiocordycipitaceae G.H. Sung, J.M.

Sung, Hywel-Jones & Spatafora
Elaphocordyceps G.H. Sung &
Spatafora
Ophiocordyceps Petch

Hypocreales, genera incertae sedis

Bulbithecium Udagawa & T. Muroi
Emericellopsis J.F.H. Beyma
? *Hapsidospora* Malloch & Cain
Leucosphaerina Arx
? *Metadothella* P. Henn.
Nigrosabulum Malloch & Cain
Payosphaeria W.F. Leong
Peethambara Subram. & Bhat
Peloronectria A. Möller
Pseudomeliola Speg.
Scopinella Lév.
Ticonectria Döbbeler
Tilakidium Vaidya, C.D. Naik &
Rathod

Melanosporales N. Zhang & M.

Blackw.

Ceratostomataceae G. Winter 1885

? *Arxiomyces* P.F. Cannon & D.
Hawksw.
? *Erythrocarpon* Zukal
Melanospora Corda
? *Pteridiosperma* J.C. Krug & Jeng
? *Pustulipora* P.F. Cannon

- ?*Rhytidospora* Jeng & Cain
 ?*Setiferotherca* Matsush.
Sphaerodes Clem.
 ?*Vittatispora* P. Chaudhary, J.
 Campb., D. Hawksw. & K.N.
 Sastry
- Microascales** Luttr. ex Benny & Kimbr.
 1980
 syn. Halosphaeriales Kohlm.
 1986
- Chadefaudiellaceae** Faurel & Schotter
 ex Benny & Kimbr. 1980
Chadefaudiella Faurel & Schotter
Faurelina Locq.-Lin.
- Halosphaeriaceae** E. Müll. & Arx ex
 Kohlm. 1972
Aniptodera Shearer & M. Miller
Anisostagma K.R.L. Petersen &
 Jørgen Koch
Antennospora Meyers
Appendichordella R.G. Johnson,
 E.B.G. Jones & S.T. Moss
Arenariomyces Höhnk
Ascosacculus J. Campb., J.L.
 Anderson & Shearer
Ascosalsum J. Campb., J.L.
 Anderson & Shearer
Bathyascus Kohlm.
Bovicornua Jørgen Koch & E.B.G.
 Jones
Buxetroidia K.R.L. Petersen & Jørg.
 Koch.
Carbosphaerella I. Schmidt
Ceriosporopsis Linder
Chadefaudia Feldm.-Maz.
Corallicola Volkm.-Kohlm. &
 Kohlm.
Corollospora Werderm.
Cucullosporella K.D. Hyde &
 E.B.G. Jones
Falcatispora K.L. Pang & E.B.G.
 Jones
Fluviatispora K.D. Hyde
Haligena Kohlm.
- Halosarpheia* Kohlm. & E. Kohlm.
Halosphaeria Linder
Halosphaeriopsis T.W. Johnson
Iwilsoniella E.B.G. Jones
Lanspora K.D. Hyde & E.B.G. Jones
Lautisporiopsis E.B.G. Jones,
 Yousoff & S.T. Moss
Lignincola Höhnk
Limacospora E.B.G. Jones, Jørgen
 Koch, McKeown & S.T. Moss
Littispora J. Campb., J.L. Anderson
 & Shearer
Luttrellia Shearer
Magnisphaera J. Campb., J.L.
 Anderson & Shearer
Marinospora A.R. Caval.
Matsusphaeria K.L. Pang & E.B.G.
 Jones
Moana Kohlm. & Volkm.-Kohlm.
Morakotiella Sakayaroj
Nais Kohlm.
Natantisporea J. Campb., J.L.
 Anderson & Shearer
Naufragella Kohlm. & Volkm.-
 Kohlm.
Nautosphaeria E.B.G. Jones
Neptunella K.L. Pang & E.B.G.
 Jones
Nereiospora E.B.G. Jones, R.G.
 Johnson & S.T. Moss
Nimbospora Jørgen Koch
Nohea Kohlm. & Volkm.-Kohlm.
Ocostaspora E.B.G. Jones, R.G.
 Johnson & S.T. Moss
Okeanomyces K.L. Pang & E.B.G.
 Jones
Ondiniella E.B.G. Jones, R.G.
 Johnson & S.T. Moss
Ophiodeira Kohlm. & Volkm.-
 Kohlm.
Panorbis J. Campb., J.L. Anderson
 & Shearer
Phaeonectriella Eaton & E.B.G.
 Jones
Pseudolignincola Chatmala &
 E.B.G. Jones

- Remispora* Linder
Saagaromyces K.L. Pang & E.B.G. Jones
Sablicola E.B.G. Jones, K.L. Pang & Vrijmoed
Thalassogena Kohlm. & Volkm.-Kohlm.
Thalespora Chatmala & E.B.G. Jones
Tirisporea E.B.G. Jones & Vrijmoed
Trailia G.K. Sutherl.
Trichomaris Hibbits, Hughes & Sparks
Tunicatispora K.D. Hyde
- Microascaceae** Luttr. ex Malloch 1970
Anekabeeja Udaiyan & Hosag.
Canariomyces Arx
Enterocarpus Locq.-Lin.
Kernia Nieuwl.
Lophotrichus R.K. Benj.
Microascus Zukal
Petriella Curzi
Pseudallescheria Negroni & I. Fisch.
- Microascales**, genera incertae sedis
Ceratocystis Ellis & Halst.
Cornuvesica C.D. Viljoen, M.J. Wingf. & K. Jacobs
 ?*Gondwanamyces* Marais & M.J. Wingf.
Sphaeronaemella P. Karst.
Viennotidia Negru & Verona ex Rogerson
- Hypocreomycetidae**, families incertae sedis
Glomerellaceae Locq. ex Seifert & W. Gams
Glomerella Spauld. & Schrenk
- Hypocreomycetidae**, genera incertae sedis
Ascocodinaea Samuels, Candoussau & Magni
- Etheiophora* Kohlm. & Volkm.-Kohlm.
Flammispora U. Pinruan, J. Sakayaroj, K.D. Hyde & E.B.G. Jones
Juncigena Kohlm., Volkm.-Kohlm. & O.E. Erikss.
Porosphaerellopsis E. Müll. & Samuels
Swampomyces Kohlm. & Volkm.
Torpedospora Meyers
- Sordariomycetidae** O.E. Erikss. & Winka 1997
Boliniales P.F. Cannon. 2001
Boliniaceae Rick 1931
Apiocamarops Samuels & J.D. Rogers
Camarops P. Karst.
Cornipulvina Huhndorf, A.N. Mill., F.A. Fernández & Lodge
Endoxyla Fuckel
Mollicamarops Lar. N. Vasiljeva
- Chaetosphaeriales** Huhndorf, A.N. Mill. & F.A. Fern. 2003
Chaetosphaeriaceae Réblová, M.E. Barr & Samuels 1999
Ascochalara Réblová
Australiasca Sivan. & Alcorn
Chaetosphaeria Tul. & C. Tul.
Paragaemannomyces Matsush.
Lecythothecium Réblová & Winka
Melanochaeta E. Müll., Harr & Sulm.
Melanopsammella Höhn.
Porosphaerella E. Müll. & Samuels
Striatosphaeria Samuels & E. Müll.
Tainosphaeria F.A. Fernández & Huhndorf
Zignoëlla Sacc.
- Coniochaetales** Huhndorf, A.N. Mill. & F.A. Fern. 2003
Coniochaetaceae Malloch & Cain 1971
 ?*Ascotrichella* Valldos. & Guarro

Barrina A.W. Ramaley
Coniochaeta (Sacc.) Cooke
 Coniochaetidium Malloch & Cain
 Ephemeroascus Emden
 Poroconiochaeta Udagawa & Furuya
Coniolaria Seigle-Murandi et al.
? *Synaptospora* Cain

Diaporthales Nannf. 1932

Cryphonectriaceae Gryzenh. & M.J.
Wingf. 2006

Amphilogia Gryzenh. & M.J. Wingf.
Celoportha Nakab., Gryzenh, Jol.
 Roux & M.J. Wingf.
Chrysoportha Gryzenhout & M.J.
 Wingf.
Cryphonectria (Sacc.) Sacc. & D.
 Sacc.
Endothia Fr.
Holocryphia Gryzenh. & M.J.
 Wingf.
Microthia Gryzenh. & M.J. Wingf.
Rostrareum Gryzenh. & M.J.
 Wingf.

Diaporthaceae Höhn. ex Wehm. 1926

Apioporthella Petr.
Diaportha Nitschke
Mazzantia Mont.

Gnomoniaceae G. Winter 1886

Anisogramma Theiss. & Syd.
Anisomyces Theiss. & Syd.
Apiognomonium Höhn.
Bagcheea E. Müll. & R. Menon
Clypeoportha Höhn.
Cryptodiaportha Petr.
Cryptosporella Sacc.
Diaporthella Petr.
Diplacella Syd.
Ditopella De Not.
Ditopellopsis J. Reid & C. Booth
Gnomonia Ces. & De Not.
Gnomoniella Sacc.
Lambro Racib.
Linospora Fuckel
Mamiania Ces. & De Not.

Mamianiella Höhn.
Ophiognomonium (Sacc.) Sacc.
Ophiovalsa Petr.
Phragmoportha Petr.
Phylloporthe Syd.
Plagiostoma Fuckel
Pleuroceras Riess
Skottsbergiella Petr.
Stegophora Syd. & P. Syd.
Uleoportha Petr.
Valseutypella Höhn.
Xenotypa Petr.

Melanconidaceae G. Winter 1886

Botanamphora Nogrask & Scheuer
Ceratoportha Petr.
Chapeckia M.E. Barr
Cytomelanconis Naumov
Dicarpella Syd. & P. Syd. (n. illeg.)
Dictyoportha Petr.
Freminaevia Nieuwl.
? *Gibellia* Sacc.
Hapalocystis Auersw. ex Fuckel
Hypophloeda K.D. Hyde & E.B.G.
 Jones
Kensinjinia J. Reid & C. Booth
Macrodiaportha Petr.
Massariovalsa Sacc.
Mebarria J. Reid & C. Booth
Melanamphora Lafl.
Melanconis Tul. & C. Tul.
Melogramma Fr.
Phragmodiaportha Wehm.
Plagiophiale Petr.
Plagiostigma Syd.
Prosthecium Fresen.
Prostratus Sivan., W.H. Hsieh &
 C.Y. Chen
Pseudovalsa Ces. & De Not.
Pseudovalsella Höhn.
Sydowiella Petr.
Wehmeyera J. Reid & C. Booth
Wuestneia Auersw. ex Fuckel
Wuestneiopsis J. Reid & Dowsett

Togniniaceae Réblová, L. Mostert, W.

Gams & Crous

Togninia Berl.

Romellia Berl.

Valsaceae Tul. & C. Tul. 1861

Amphiportha Petr.

Apioplagiostoma M.E. Barr

Chadefaudiomyces Kamat, Rao, Patil
& Ullasa

Clypeoporthella Petr.

Cryptascoma Ananthap.

Ditopellina J. Reid & C. Booth

Durispora K.D. Hyde

Hypospilina (Sacc.) Traverso

Kapooria J. Reid & C. Booth

Leptosillia Höhn.

Leucostoma (Nitschke) Höhn.

Maculatipalma J. Fröhlich & K.D.
Hyde

Paravalsa Ananthapadm.

Phruensis Pinruan

Rossmania Lar. N. Vasiljeva

Sillia P. Karst.

Valsa Fr.

Valsella Fuckel

Vialaeaceae P.F. Cannon 1995

Vialaea Sacc.

Diaporthales, genera incertae sedis

Anisomyopsis I. Hino & Katum.

Apiosporopsis (Traverso) Mariani

Caudospora Starb.

Chromendothia Lar. N. Vasiljeva

Cryptoleptosphaeria Petr.

Cryptonectriella (Höhn.) Weese

Cryptonectriopsis (Höhn.) Weese

?*Exormatostoma* Gray

Hercospora Fr.

Jobellisia M.E. Barr

Keinstirschia J. Reid & C. Booth

Lollipopaia Inderbitzin

Pedumispora K.D. Hyde & E.B.G.
Jones

Pseudocryptosporella J. Reid & C.
Booth

Pseudothis Theiss. & Syd. (non
Pseudotis (Boud.) Boud.)

Savulescua Petr.

Schizoparme Shear

?*Sphaerognomoniella* Naumov &
Kusnezowa

Stioclettia Dennis

?*Trematovalsa* Jacobesco

Vismya V.V. Sarma & K.D. Hyde

Ophiostomatales Benny & Kimbr. 1980

Kathistaceae Malloch & M. Blackw.
1990

Kathistes Malloch & M. Blackw.

Ophiostomataceae Nannf. 1932

Ceratocystiopsis H.P. Upadhyay &
W.B. Kendr.

Fragosphaeria Shear

Grosmania Gold.

Klasterskya Petr.

Ophiostoma Syd. & P. Syd.

Spumatoria Masee & E.S. Salmon

Subbaromyces Hesselt.

Sordariales Chad. ex D. Hawksw. &
O.E. Erikss. 1986

Chaetomiaceae G. Winter 1885

Achaetomium J.N. Rai, J.P. Tewari
& Mukerji

Bommerella Marchal

Boothiella Lodhi & Mirza

Chaetomidium (Zopf) Sacc.

Aporothielavia Malloch & Cain

Chaetomiopsis Mustafa & Abdul-
Wahid

Chaetomium Kunze

Corynascella Arx & Hodges

Corynascus Arx

Emilmuelleria Arx

Farrowia D. Hawksw.

Guanomyces M.C. Gonzáles, Hanlin
& Ulloa

Subramaniula Arx

Thielavia Zopf

Lasiosphaeriaceae Nannf. 1932

Anopodium Lundq.
Apiosordaria Arx & W. Gams
Apodospora Cain & J.H. Mirza
Apodus Malloch & Cain
Arecacicola J.E. Taylor, J. Fröhl. &
K.D. Hyde
Arniella Jeng & J.C. Krug
Arnium Nitschke ex G. Winter
Bombardia (Fr.) P. Karst.
Bombardioidea C. Moreau ex N.
Lundqv.
Camptosphaeria Fuckel
Cercophora Fuckel
Diffractella Guarro, P. Cannon &
van der Aa
Diplogelasinospora Cain
Emblemospora Jeng & J.C. Krug
Eosphaeria Höhn.
Fimetariella N. Lundq.
Jugulospora N. Lundq.
Lacunospora Cailleux
Lasiosphaeria Ces. & De Not.
Periamphispora J.C. Krug
Podospora Ces.
Pseudocercophora Subram. & Sekar
Schizothecium Corda
Strattonia Cif.
Thaxteria Sacc.
Triangularia Boedijn
Tripterosporella Subram. & Lodha
Zopfiella G. Winter
Zygopleurage Boedijn
ZygospERMella Cain

Sordariaceae G. Winter 1885

Cainiella E. Müll.
Copromyces N. Lundq.
? *Effetia* Bartoli, Maggi & Persiani
Gelasinospora Dowding
? *Guilliermondia* Boud. (non Nadson
& Konok.)
Neurospora Shear & B.O. Dodge

Pseudoneurospora D. García,
Stchigel & Guarro
Sordaria Ces. & De Not.
Stellatospora T. Ito & A. Nakagiri

Sordariales, genera incertae sedis

Acanthotheciella Höhn.
? *Ascolacicola* Ranghoo & K.D.
Hyde
Bombardiella Höhn.
Coronatomyces D. García, Stchigel
& Guarro
Corylomyces Stchigel, Caldusch &
Guarro
Cuspidatispora A. Mill., Shearer,
Bartolata & Huhndorf
Globosphaeria D. Hawksw.
Immersiella A.N. Mill. & Huhndorf
Isia D. Hawksw. & Manohar.
Lockerbia K.D. Hyde
Melanocarpus Arx
? *Monosporascus* Pollack & Uecker
? *Nitschkiopsis* Nannf. & R. Sant.
Onygenopsis P. Henn.
Phaeosporis Clem.
Reconditella Matzer & Hafellner
Rhexosporium Udagawa & Fur.
Roselliniella Vain.
Roselliniomyces Matzer & Hafellner
Roselliniopsis Matzer & Hafellner
? *Savoryella* E.B.G. Jones & Eaton
Utriascus Réblová

Sordariomycetidae, orders incertae
sedis

Calosphaeriales M.E. Barr 1983

Calosphaeriaceae Munk 1957

Calosphaeria Tul. & C. Tul.
Conidiotheca Réblová & L. Mostert
Jattaea Berl.
? *Kacosphaeria* Speng.
Pachytrype M.E. Barr, J.D. Rogers
& Y.M. Ju
Phragmocalosphaeria Petr.
? *Sulcatistroma* A.W. Ramaley

Togniniella Réblová, L. Mostert, W.
Gams & Crous
? *Wegelina* Berl.

Pleurostomataceae Réblová, L.
Mostert, W. Gams & Crous
Pleurostoma Tul. & C. Tul.

Sordariomycetidae, families incertae
sedis

Annulatasceae S.W. Wong, K.D.
Hyde & E.B.G. Jones 1998
Annulatasceus K.D. Hyde
Annulusmagnus J. Campb. &
Shearer
Aqualignicola V.M. Ranghoo, K.M.
Tsui & K.D. Hyde
Aquaticola W.H. Ho, K.M. Tsui,
Hodgkiss & K.D. Hyde
Ascitendus J. Campb. & Shearer
Ayria Fryar & K.D. Hyde
Brunneosporella V.M. Ranghoo &
K.D. Hyde
Cataractispora K.D. Hyde, S.W.
Wong & E.B.G. Jones
Clohiesia K.D. Hyde
Cyanoannulus Raja, J. Campb. &
Shearer
Diluviocola K.D. Hyde, S.W. Wong
& E.B.G. Jones
Fluminicola S.W. Wong, K.D. Hyde
& E.B.G. Jones
Frondicola K.D. Hyde
Fusoidispora D. Vijaykrishna, R.
Jeewon & K.D. Hyde
Pseudoproboscispora Punith.
Rhamphoria Niessl
Submersisphaeria K.D. Hyde
Teracosphaeria Réblová & Seifert
Torrentispora K.D. Hyde, W.H. Ho,
E.B.G. Jones, K.M. Tsui & S.W.
Wong
Verticicola K.D. Hyde, V.M.
Ranghoo & S.W. Wong

Cephalothecaceae Höhn. 1917

Albertiniella Kirschst.
Cephalotheca Fuckel
Cryptendoxyla Malloch & Cain

Helminthosphaeriaceae Samuels,
Candoussau & Magní 1997
Echinosphaeria A.N. Mill. &
Huhndorf
Helminthosphaeria Fuckel
Ruzenia O. Hilber
Tengiomyces Réblová

Papulosaceae Winka & O.E. Erikss.
2000
Papulosa Kohlm. & Volkm.-Kohlm.

Sordariomycetidae, genera incertae
sedis
Ascotaiwania Sivan. & H.S. Chang
Ascovaginospora Fallah, Shearer &
W. Chen
Biconiosporella Schaum.
Carpoligna F.A. Fernández &
Huhndorf
Caudatispora J. Fröhlich & K.D.
Hyde
Ceratosphaeria Niessl
Ceratostomella Sacc.
Chaetosphaerides Matsush.
Conioscyphascus Réblová & Seifert
Erythromada Huhndorf, A.N. Mill.,
F.A. Fernández & Lodge
Garethjonesia K.D. Hyde
Lasiosphaeriella Sivan.
Lasiosphaeris Clem.
Lentomitella Höhn.
Leptospora Penz. & Sacc.
Linocarpon Syd. & P. Syd.
Menisporopascus Matsush.
Merugia Rogerson & Samuels
Mycomedusiospora G.C. Carroll &
Munk
Myelosperma Syd. & P. Syd.
Neolinocarpon K.D. Hyde
Nigromammilla K.D. Hyde & J.
Fröhl.

Phaeotrichosphaeria Sivan.
Phragmodiscus Hansf.
Plagiosphaera Petr.
Spinulosphaeria Sivan.
Wallrothiella Sacc.
Xylomelasma Réblová

Xylariomycetidae sensu O.E. Erikss. &
Winka 1997

Xylariales Nannf. 1932

Amphisphaeriaceae G. Winter 1885

Amphisphaerella (Sacc.) Kirschst.
Amphisphaeria Ces. & De Not.
Arecophila K.D. Hyde
Atrotorquata Kohlm. & Volkm.-
Kohlm.
Blogiascospora Shoemaker, E. Müll.
& Morgan-Jones
?Broomella Sacc.
Cainia Arx & E. Müll.
Cannonia J.E. Taylor & K.D. Hyde
?Capsulospora K.D. Hyde
Ceriphora Höhn.
?Ceriospora Niessl
Chitonospora E. Bommer, M.
Rousseau & Sacc.
?Clypeophysalospora H.J. Swart
Discostroma Clem.
Distorimula San Martín, Lavín &
Esqueda
Dyrithiopsis L. Cai, R. Jeewon &
K.D. Hyde
?Dyrithium M.E. Barr
?Ellurema Nag Raj & W.B. Kendr.
Flagellosphaeria Aptroot
Frondispora K.D. Hyde
Funiliomyces Aptroot
Griphosphaerioma Höhn.
Iodosphaeria Samuels, E. Müll. &
O. Petrini
Lanceispora Nakagiri, I. Okane, Tad.
Ito & Katumoto
?Leiosphaerella Höhn.
?Lepteutypa Petr.
Lindquistomyces Aramb., E. Müll. &
Gamundí

Manokwaria K.D. Hyde
Monographella Petr.
Mukhakesa Udaiyan & Hosag.
Neobroomella Petr.
Neohypodiscus J.D. Rogers, Y.M.
Yu & Laessøe
Ommatomyces Kohlm., Volkm.-
Kohlm. & O.E. Erikss.
?Oxydothis Penz. & Sacc.
Paracainiella Lar. N. Vasiljeva
?Pemphidium Mont.
?Pestalosphaeria M.E. Barr
?Reticulosphaeria Sivan. & Bahekar
?Urosporella G.F. Atk.
Urosporellopsis W.H. Hsieh, C.Y.
Chen & Sivan.
Xylochora Arx & E. Müll.

Clypeosphaeriaceae G. Winter 1886

?Apioclypea K.D. Hyde
?Aporhynchostoma Petr.
Aquasphaeria K.D. Hyde
Brunneiapiospora K.D. Hyde, J.
Fröhlich & J.E. Taylor
Clypeosphaeria Fuckel
Crassoascus Checa, Barrasa & A.T.
Martinez
Duradens Samuels & Rogerson
Palmomyces K.D. Hyde, J. Fröhlich
& J.E. Taylor
Pseudovalsaria Spooner

Diatrypaceae Nitschke 1869

Anthostoma Nitschke
Cryptosphaeria Ces. & De Not. (non
Grev.)
Diatrype Fr.
Diatrypella (Ces. & De Not.) De
Not.
Echinomyces Rappaz
Eutypa Tul. & C. Tul.
Eutypella (Nitschke) Sacc.
Leptoperidia Rappaz
Peroneutypa Berl.
Quaternaria Tul. & C. Tul.

Graphostromataceae M.E. Barr, J.D.
Rogers & Y.M. Ju 1993
Graphostroma Piroz.

Hyponectriaceae Petr. 1923

Apiothyrium Petr.
? *Arecomyces* K.D. Hyde
Arwidssonina B. Erikss.
Cesatiella Sacc.
Chamaeascus L.Holm, K.Holm &
M.E. Barr
Charonectria Sacc.
Discosphaerina Höhn.
Exarmidium P. Karst.
Hyponectria Sacc.
Micronectria Speg.
Papilionovela Aptroot
Pellucida Dulym., Sivan., PF. Canon
& Peerally
Physalospora Niessl
Pseudomassaria Jacz.
Rhachidicola K.D. Hyde & J. Fröhl.
? *Xenothecium* Höhn.

Xylariaceae Tul. & C. Tul. 1861

Amphirosellinia Y.-M. Ju, J.D.
Rogers, H.-M. Hsieh & Lar. N.
Vasiljeva
Annulohypoxylon Y.-M. Ju, J.D.
Rogers & H.-M. Hsieh
Anthostomella Sacc.
Appendixia B.S. Lu & K.D. Hyde
Areolospora S.C. Jong & E.E. Davis
? *Ascotricha* Berk.
Ascovirgaria J.D. Rogers & Y.-M.
Ju
Astrocystis Berk. & Broome
Barrmaelia Rappaz
Biscogniauxia Kuntze
Calceomyces Udagawa & S. Ueda
Camillea Fr.
Chaenocarpus Rebent.
Collodiscula I. Hino & Katum.
Creosphaeria Theiss.
Cyanopulvis J. Fröhl. & K.D. Hyde
Daldinia Ces. & De Not.

Discoxylaria J.C. Lindq. & J.E.
Wright
? *Emarcea* Duong, R. Jeewon & K.D.
Hyde
Engleromyces P. Henn.
Entoleuca Syd.
Entonaema A. Möller
Euepixylon Füsting
Fasciatispora K.D. Hyde
Fassia Dennis
Gigantospora B.S. Lu & K.D. Hyde
Guestia G.J.D. Sm. & K.D. Hyde
Halorosellinia Whalley, E.B.G.
Jones, K.D. Hyde & Læssøe
Helicogermis Lodha & D.
Hawksw.
Holttumia Lloyd
Hypocopra (Fr.) J. Kickx f.
Hypoxylon Bull.
Induratia Samuels, E. Müll. & O.
Petri
Jumillera J.D. Rogers, Y.M. Ju &
San Martín
Kretzschmaria Fr.
Kretzschmariella Viégas
Leprieuria Laessøe, J.D. Rogers &
Whalley
? *Leptomassaria* Petr.
Lopadostoma (Nitschke) Traverso
Myconeesia Kirschst.
Nemania Gray
Nipicola K.D. Hyde
Obolarina Pouzar
Occultithea J.D. Rogers & Y.-M. Ju
Ophiorosellinia J.D. Rogers, A.
Hidalgo, F.A. Fernández &
Huhndorf
Pandanicola K.D. Hyde
Paramphisphaeria F.A. Fernández,
J.D. Rogers, Y.-M. Ju, Huhndorf &
L. Umana
? *Paucithecium* Lloyd
Phylacia Lév.
Pidoplitchkoviella Kiril.
Podosordaria Ellis & Holw.

- Poroleprieuria* M.C. Gonzáles,
Hanlin, Ulloa & E. Aguirre
Poronia Willd.
Pyrenomyxa Morgan
 Pulveria Malloch & Rogerson
Rhopalostroma D. Hawksw.
Rosellinia De Not.
Sabalicola K.D. Hyde
Sarcoxylen Cooke
? *Sclerodermatopsis* Torrens
? *Seynesia* Sacc.
Spirodecospora B.S. Lu, K.D. Hyde
 & W.H. Ho
? *Steganopycnis* Syd. & P. Syd.
Stereosphaeria Kirschst.
Stilbohypoxylen P. Henn.
Striatodecospora D.Q. Zhou, K.D.
 Hyde & B.S. Lu
Stromatoneurospora S.C. Jong &
 E.E. Davis
Thamnomycetes Ehrenb.
Theissenia Maubl.
Thuemenella Penz. & Sacc.
Versiomyces Whalley & Watling
Vivantia J.D. Rogers, Y.M. Ju &
 Candoussau
Wawelia Namysl.
Whalleya J.D. Rogers, Y.M. Ju &
 San Martín
Xylaria Hill ex Schrank
Xylotumulus J.D. Rogers, Y.M. Ju &
 Hemmes
- Xylariales**, genera incertae sedis
Adomia S. Schatz
Diamantina A.N. Mill., Læssøe &
 Huhndorf
Lasiobertia Sivan.
Palmicola K.D. Hyde
Pulmosphaeria J.E. Taylor, K.D.
 Hyde & E.B.G. Jones
Yuea O.E. Erikss.
- Sordariomycetes**, orders incertae sedis
Lulworthiales Kohlm., Spatafora &
 Volkm.-Kohlm.. 2000
- Lulworthiaceae** Kohlm., Spatafora &
 Volkm.-Kohlm.. 2000
Haloguignardia A. Cribb & J. Cribb
Kohlmeyeriella E.B.G. Jones, R.G.
 Johnson & S.T. Moss
Lindra I. Wilson
Lulwoana Kohlm., Volkm.-Kohlm.,
 J. Campb., Spatafora & Gräf.
Lulwoidea Kohlm., Volkm.-Kohlm.,
 J. Campb., Spatafora & Gräf.
Lulworthia G.K. Sutherl.
- Spathulosporaceae** Kohlm. 1973
Spathulospora A.R. Caval. & T.W.
 Johnson
- Meliolales** Gäum. ex D. Hawksw. &
 O.E. Erikss. 1986
Armatellaceae Hosag.
 Armatella Theiss. & Syd.
- Meliolaceae** G.W. Martin ex Hansf.
 1946
Amazonia Theiss.
Appendiculella Höhn.
Asteridiella McAlpine
Ceratospermopsis Bat.
Cryptomeliola S. Hughes & Piroz.
Endomeliola S. Hughes & Piroz.
Haraea Sacc. & P. Syd.
? *Hypasteridium* Speg.
Irenopsis F. Stevens
Laeviomeliola Bat.
Leptascospora Speg.
Meliola Fr.
? *Metasteridium* Speg.
Ophiociliomyces Bat. & I.H. Lima
Ophioirenina Sawada & W. Yamam.
? *Ophiomeliola* Starb.
? *Parasteridium* Speg.
Pauahia F. Stevens
? *Pleomeliola* (Sacc.) Sacc.
Pleomerium Speg.
Prataprajella Hosag.
Ticomycetes Toro
Urupe Viégas

?*Xenostigma* Syd.

Phyllachorales M.E. Barr 1983

Phaeochoraceae K.D. Hyde, P.F.

Cannon & M.E. Barr 1997

Cocoicola K.D. Hyde

Phaeochora Höhn.

Phaeochoropsis D. Hyde & P.F.

Cannon

Serenomyces Petr.

Phyllachoraceae Theiss. & H. Syd.
1915

Apiosphaeria Höhn.

Brobdingnagia D. Hyde & P.F.

Cannon

Cocodiella Hara

Deshpandiella Kamat & Ullasa

Diachora Müll. Arg.

Diatractium Syd. & P. Syd.

Erikssonia Penz. & Sacc.

Frematomyces P.F. Cannon & H.C.

Evans

?*Geminispora* Pat.

Gibellina Pass. ex Roum.

Imazekia Tak. Kobay. & Y. Kawabe

Isothea Fr.

Lichenochora Hafellner

Lindauella Rehm

?*Lohwagia* Petr.

Maculatifrons K.D. Hyde

Malthomyces D. Hyde & P.F.

Cannon

Marinosphaera K.D. Hyde

Muelleromyces Kamat & Anahosur

Neoflageoletia J. Reid & C. Booth

Ophiodothella (P. Henn.) Höhn.

Orphnodactylis Malloch & Mallik

Oxodeora D. Hyde & P.F. Cannon

Parberya C.A. Pearce & K.D. Hyde

?*Petrakiella* Syd.

Phaeochorella Theiss. & Syd.

Phycomelaina Kohlm.

Phyllachora Nitschke ex Fuckel

(1870)

Phylleutypa Petr.

Phyllocrea Höhn.

Polystigma DC.

Pseudothiella Petr.

Pterosporidium W.H. Ho & K.D.

Hyde

Rehmiodothis Theiss. & Syd.

Retroa P.F. Cannon

Rikatlia P.F. Cannon

Schizochora Syd. & P. Syd.

Sphaerodothella C.A. Pearce & K.D.

Hyde

Sphaerodothis (Sacc. & P. Syd.)

Shear

Stigmochora Theiss. & Syd.

Stromaster Höhn.

Telimena Racib.

Telimenella Petr.

Telimenochora Sivan.

Trabutia Sacc. & Roum.

Tribulatia J.E. Taylor, K.D. Hyde &

E.B.G. Jones

Uropolystigma Maubl.

Vitreostroma P.F. Cannon

Zimmermanniella P. Henn.

Trichosphaeriales M.E. Barr 1983

Trichosphaeriaceae G. Winter 1885

Acanthosphaeria Kirschst.

Collematospora Jeng & Cain

Coniobrevicolla Réblová

Cresporhaphis M.B. Aguirre

Cryptadelphia Réblová & Seifert

Eriosphaeria Sacc.

Fluviostroma Samuels & E. Müll.

Kananascus Nag Raj

Miyoshiella Kawamura

Neorehmia Höhn.

Oplothecium Syd.

Rizalia Syd. & P. Syd.

Schweinitziella Speg.

Setocampanula Sivan. & W.H. Hsieh

Trichosphaeria Fuckel

Umbrinosphaeria Réblová

Unisetosphaeria Pinnoi, E.B.G.

Jones, McKenzie & K.D. Hyde

Sordariomycetes, families incertae
sedis

Apiosporaceae K.D. Hyde, J. Fröhlich,
J.E. Taylor & M.E. Barr 1998

Apiospora Sacc.

Appendicospora K.D. Hyde.

Catabotrydaceae Petrak ex M.E. Barr
1990

Catabotrys Theiss. & Syd.

Magnaporthaceae P.F. Cannon 1994

Buergenerula Syd.

Clasterosphaeria Sivan.

Clavatisporella K.D. Hyde

Gaeumannomyces Arx & D.L.

Olivier

?*Herbampulla* Scheuer & Nograsek

Magnaporthe R.A. Krause & R.K.

Webster

Omnidemplus P.F. Cannon & Alcorn

Ophioceras Sacc.

Pseudohalonectria Minoura & T.

Muroi

Obryzaceae Körb. 1855

Obryzum Wallr.

Thyridiaceae O.E. Erikss. & J.Z. Yue
1987

Balzanina Speg.

Mattiroliella Berl. & Bres.

Thyridium Nitschke

Thyronectroidea Seaver

Sordariomycetes, genera incertae sedis

Abyssomyces Kohlm.

Acerbiella Sacc.

Acrospermoides Miller & G.E.

Thomps.

Ameromassaria Hara

Amphisphaerellula Gucevic

Amphisphaerina Höhn.

Amphorulopsis Petr.

Amylis Speg.

Anthostomaria (Sacc.) Theiss. &
Syd.

Anthostomellina Kantsh.

Apharia Bonord.

Apodothina Petr.

Apogaeumannomyces Matsush.

Aquadulciospora Fallah & Shearer

Aquamarina Kohlm., Volkm.-

Kohlm. & O.E. Erikss.

Aropsiclus Kohlm. & Volkm.-

Kohlm.

Ascorhiza Lecht.-Trnka

Ascoyunnania L. Cai & K.D. Hyde

Assoa Urries

Aulospora Speg.

Azbukinia Lar. N. Vasiljeva

Bactrosphaeria Penz. & Sacc.

Barrina A.W. Ramaley

Biporispora J.D. Rogers, Y.M. Ju &

Candoussau

Bombardiastrum Pat.

Brenesiella Syd.

Byrsomyces Cavalc.

Bysotheciella Petr.

Caleutypa Petr.

Calosphaeriopsis Petr.

Caproniella Berl.

Chaetoamphisphaeria Hara

Ciliofusospora Bat. & J.L. Bezerra

Clypeoceriospora Camara

Clypeosphaerulina Camara

Cryptoascus Petri

Cryptomycina Höhn.

Cryptovalsa Ces. & De Not. ex

Fuckel

Cucurbitopsis Bat. & Cif.

Curvatispora V.V. Sarma & K.D.

Hyde

Dasysphaeria Speg.

Delpinoëlla Sacc.

Diacrochordon Petr.

Dontuzia L.D. Gomez

Dryosphaera Jørgen Koch & E.B.G.

Jones

Endoxylina Romell

Esfandiariomyces Ershad

Frondisphaera K.D. Hyde
Glabrotheca Chardón
Heliastrum Petr.
Hyaloderma Speg.
Hydronectria Kirschst.
Hypotrachynicola Etayo
Iraniella Petr.
Khuskia H.J. Huds.
Konenia Hara
Kravtzevia Shvartzman
Kurssanovia Kravtzev
Lecythium Zukul
Leptosacca Syd.
Leptosphaerella Speg.
Leptosporina Chardón
Lyonella Syd.
Mangrovispora K.D. Hyde &
 Nagakiri
Melomastia Nitschke ex Sacc.
Microcyclephaeria Bat.
Mirannulata Huhndorf, F.A.
 Fernández, A.N. Mill. & Lodge
Monosporascus Pollack & Uecker
 ?*Naumovela* Kravtzev
 ?*Neocryptospora* Petr.
Neolamyia Theiss. & Syd.
Neothyridaria Petr.
Oceanitis Kohlm.
Ophiomassaria Jacz.
Ornatispora K.D. Hyde, Goh, J.E.
 Taylor & J. Fröhl.
Pareutypella Y.M. Ju & J.D. Rogers
Phomatospora Sacc.
Phyllocelis Syd.
Plectosphaerella Kleb.
Pleocryptospora J. Reid & C. Booth
Pleosphaeria Speg.
Pontogeneia Kohlm.
Porodiscus Lloyd
Protocucurbitaria Naumov
Pulvinaria Bon.
Pumilus Viala & Marsais
Rehmiomycella E. Müll.
Rhamphosphaeria Kirschst.
Rhizophila K.D. Hyde & E.B.G.
 Jones
Rimaconus Huhndorf, F.A.
 Fernández, J.E. Taylor & K.D.
 Hyde
Rhopographella (P. Henn.) Sacc. &
 Trotter
Rhynchosphaeria (Sacc.) Berl.
Rivulicola K.D. Hyde
Romellina Petr.
Saccardoëlla Speg.
Sarcopyrenia Nyl.
Sartorya Vuill.
Scharifia Petr.
Scoliocarpon Nyl.
Scotiosphaeria Sivan.
Servaziella J. Reid & C. Booth
Sporoctomorpha J.V. Almeida &
 Sousa da Câmara
Stearophora L. Mangin & Viala
Stegophorella Petr.
Stellosetifera Matsush.
Stomatogenella Petr.
Strickeria Körb.
Sungaiicola Fryar & K.D. Hyde
Synsphaeria Bon.
Tamsiniella S.W. Wong, K.D. Hyde,
 W.H. Ho & S.J. Stanley
Thelidiella Fink ex J. Hedrick
Thyridella (Sacc.) Sacc.
Thyrotheca Kirschst.
Trichospermella Speg.
Trichosphaeropsis Bat. & Nasc.
Tunstallia Agnihothr.
Vleugelia J. Reid & C. Booth
Zignoina Cooke
Pezizomycotina, orders incertae sedis
Lahmiales O.E. Erikss. 1986
Lahmiaceae O.E. Erikss. 1986
Lahmia Körb.
Medeolariales Korf 1982
Medeolariaceae Korf 1982
Medeolaria Thaxt.
Triblidiales O.E. Erikss. 1992
Triblidiaceae Rehm 1888

Huangshania O.E. Erikss.
Pseudographis Nyl.
Triblidium Rebent.

Pezizomycotina, families incertae sedis

Geoglossaceae Corda 1838
? *Bagnisimitrula* S. Imai
Geoglossum Pers. 1796
? *Hemiglossum* Pat.
? *Leucoglossum* S. Imai
? *Maasoglossum* K.S. Thind & R.
Sharma
Nothomitra Maas Geest.
? *Pachycudonia* S. Imai
Phaeoglossum Petch
Pseudomitula Gamundí
Trichoglossum Boud.

Ascomycota, families incertae sedis
Families and genera that cannot be
placed in any of classes and orders
accepted in the present classification
with a high degree of probability are
listed below.

Amorphothecaceae Parbery 1969
Amorphotheca Parbery

Aphanopsidaceae Printzen & Rambold
1995
Aphanopsis Nyl. ex Syd.

Aspidotheliaceae Räsänen ex J.C.
David & D. Hawksw. 1991
Aspidothelium Vain.
Musaespora Aptroot & Sipman

Batistiaceae Samuels & K.F. Rodrigues
1989
Batistia Cif.

Coniocybaceae Reichenb. 1837
Chaenotheca (Th. Fr.) Th. Fr.
Sclerophora Chevall.

Diporotheceae R.K. Mibey & D.
Hawksw. 1995
Diporothea C.C. Gordon & C.G.
Shaw

Eoterfeziaceae G.F. Atk. 1902
Acanthogymnomyces Udagawa &
Uchiyama
Eoterfezia G.F. Atk.

Epigloeaceae Zahlbr. 1903
Epigloea Zukai

Hispidicarpomycetaceae Nakagiri 1993
Hispidocarpomyces Nakagiri

Koralionastetaceae Kohlm. & Volkm.-
Kohlm. 1987
Koralionastes Kohlm. & Volkm.-
Kohlm.

Lautosporaceae Kohlm., Volkm.-
Kohlm. & O.E. Erikss. 1995
Lautospora K.D. Hyde & E.B.G.
Jones

Mastodiaceae Zahlbr. 1907
Mastodia Hook.f. & Harv.
Turgidosculum Kohlm. & E. Kohlm.

Microcaliciaceae Tibell 1984
Microcalicium Vain.

Mucomassariaceae Petr. & Cif. 1932
Mucomassaria Petr.

Phyllobatheliaceae Bitter & F. Schill.
1927
Phyllobathelium (Müll. Arg.) Müll.
Arg.
Phyllocratera Sérusiaux & Aptroot

Pleurotremataceae W. Watson 1929
Daruvedia Dennis
Pleurotrema Müll. Arg.

Pseudeurotiaceae Malloch & Cain 1970

Connersia Malloch
Leuconeurospora Malloch & Cain
? *Neelakesa* Udaiyan & Hosag.
Pleuroascus Masee & E.S. Salmon
Pseudeurotium J.F.H. Beyma

Saccardiaceae Höhn. 1909

Angatia Syd.
Ascolectus Samuels & Rogerson
Cyanodiscus E. Müll. & M.L. Farr
Dictyonella Höhn.
Epibelonium E. Müll.
Johansonia Sacc.
Phillipsiella Cooke
Pseudodiscus Arx & E. Müll.
Rivilata Kohlm., Volkm.-Kohlm. &
O.E. Erikss.
Saccardia Cooke
Schenckiella P. Henn.
Vonarxella Bat., J.L. Bezerra &
Peres

Seuratiaceae Vuill. ex M.E. Barr 1987

Seuratia Pat.
? *Seuratiopsis* Woron.

Thelocarpaceae Zukal 1893

Melanophloea P. James & Vezda
Sarcosagium A. Massal.
Thelocarpon Nyl.

Xanthopyreniaceae Zahlbr. 1926

Collemopsidium Nyl.
Didymellopsis (Sacc.) Clem. &
Shear
Frigidopyrenia Grube
Pyrenocollema Reinke
Zwackhiomyces Grube & Hafellner

Ascomycota, genera incertae sedis

Abrothallus De Not.
Allophoron Nádv.
Antimanoa Syd.
Apiotypa Petr.
Argentinomyces Peña & Arambarri

Arthopyreniomyces Cif. & Tomas.
Ascocorticiellum Jülich & B. de
Vries
Ascofascicula Matsush.
Ascomauritania V.M. Ranghoo &
K.D. Hyde
Ascosorus P. Henn. & Ruhland
Ascosubramania Rajendran
Ascoxyta Lib.
Astomella Thirum.
Atractobolus Tode
Baculospora Zukal
Batistospora J.L.
Bezerra & M.M.P. Herrera
Berggrenia Cooke
Biflua Jørgen Koch & E.B.G. Jones
Brucea Rikkinen
Bresadolina Rick
Carnia Bat.
Cerastoma Quél.
Cladosphaera Dumort.
Clathroporinopsis M. Choisy
Clypeolum Speg.
Coryneliella Har. & P. Karst.
? *Coscinocladium* Kunze
? *Crinigera* I. Schmidt
Cyanopyrenia Harada
Cylindrotheca Bon.
? *Cystodium* Fée
Diaboliumbolicus I. Hino & Katum.
Diehliomyces Gilkey
Dipyrgis Clem.
Discocera A.L. Sm. & Ramsb.
Dryinosphaera Dumort. Eiona
Kohlm.
? *Elaeomyces* Kirchn.
Endocolium Syd.
? *Enduria* Norman Erispora Pat.
Farriolla Norman Feracia
Flakea O.E. Erikss.
Frigidospora K.D. Hyde & Goh
Gaeumanniella Petr.
Gallaicolichen Serux. & Lücking
Gonidiomyces Vain.
Gyrophthorus Hafellner & Sancho
Haematomyxa Sacc.

Haplopyrenulomyces Cif. & Tomas.
Hapsidascus Kohlm. & Volkm.-
 Kohlm.
Harmandiana de Lesd.
Helicogonium W.L. White
Myriogonium W.L. White
Heterocyphelium Vain.
Heuflera Bail Hyalodermella Speg.
Hyalopyrenula H. Harada
Hymenobia Nyl.
Hypnotheca Tommerup
Igneocumulus A.W. Ramaley
Leucoconiella Bat., H. Maia & Peres
Leucoconis Theiss. & Syd.
Lichenopeziza Zukal
Limboria Ach.
 ?*Lithopythium* Bornet & Flahault
Lohwagiella Petr.
Ludwigomyces Kirschst.
Lyromma Bat.
Marisolaris Jørgen Koch & E.B.G.
 Jones
Micromastia Speg.
Molgosphaera Dumort.
Mycotodea Kirschst.
 ?*Myriococcum* Fr.
Myrmaecium Nitschke ex Fuckel
 ?*Nemacola* A. Massal.
Normandina Nyl.
Nyungwea Sérus., Eb. Fischer &
 Killmann
Ochrosphaera Sawada
Oevstedalia Ertz & Diederich
 ?*Phacidiostromella* Höhn.
Phaeodothiopsis Theiss. & Syd.
Phellostroma Syd. & P. Syd.
 ?*Phelonitis* Chevall.
Phialisphaera Dumort.
Phragmitensis K.M. Wang, Poon &
 K.D. Hyde
Phthora d'Hérelle
Phylloporina C.W. Dodge (non
 (Müll. Arg.) Müll. Arg.)
Pocsia Vězda
 ?*Porosphaera* Dumort.
Potamomyces K.D. Hyde

Protocalicium Woron.
Pseudohepatica P.M. Jørg.
Pseudoperitheca Elenkin
Psilosphaeria Cooke
Pteromycula P. Cannon
Pustularia Bon.
Pycnodermellina Bat. & H. Maia
Retrostium Nakagiri & Tad. Ito
 ?*Roesleria* Thüm. & Pass.
Roeslerina Redhead
 ?*Rostafinskia* Speg.
 ?*Sachsia* Lindner
Schistophoron Stirt.
Scutomyces J.L. Bezerra & Cavalc.
Splanchnospora Lar. N. Vasiljeva
Stellifraga Alstrup & Olech
Stigmatea Fr.
Stigmatosphaera Dumort.
Stigmaea Fr.
Symbiotaphrina Kühlw. & Jurzitza
 ex W. Gams & Arx
Syphosphaera Dumort.
Telioclipeum Viégas
Thallisphaera Dumort.
 ?*Trichoplacia* A. Massal.
Trichosphaera Dumort.
Tromeropsis Sherwood
Tylophoron Nyl. ex Stizenb.
Ulvella (Nyl.) Trevis.
Wadeana Coppins & P. James
 ?*Wolkia* Ramsb.
Xenomyxa Syd.
Xylobotryum Pat.
Xylogone Arx & T. Nilsson