
Towards incorporating anamorphic fungi in a natural classification – checklist and notes for 2011

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A compilation of anamorphic names for both *Ascomycota* and *Basidiomycota* is provided which comprises 2895 genera. The genera are listed against a backbone of teleomorphic relationships where known. The study reveals that 73 genera and 95 anamorph-like genera are linked to teleomorphic genera names, 447 genera (three anamorph-like genera) are linked to teleomorph families, orders or classes, while for more than 1592 (55%) genera no teleomorph link is known. The links are based on the literature and often because fungi were found in association, but have not been proven by molecular data. Many are based on links with species other than the generic type and thus must be considered questionable for the genus. A considerable effort is needed to establish whether these links are correct.

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Introduction

The purpose of the present paper is to collate the knowledge of asexual fungi in relationship to their sexual states. It attempts to classify the asexual genera in a natural biological framework for the *Ascomycota* based on the *Outline of Ascomycota* 2009 (Lumbsch & Huhndorf 2010) and for the *Basidiomycota* based on Kirk et al. (2008). The present paper has used data from the previous outline of Hyde et al. (2010) as well as literature published in 2011 and updated with opinions in Seifert et al. (2011).

There is now a mandate in the systematics community to place one name on a holomorphic fungus species as opposed to the previous system (especially in *Ascomycota*) of naming both sexual and asexual morphs

(Samuels et al. 2009, Hawksworth 2011; Hawksworth et al. 2011, Taylor 2011; Wingfield et al. 2011). Also, as more and more strains of asexual genera are sequenced (Shenoy et al. 2010, Põldmaa 2011, Reblova & Seifert 2011), these genera will be classified in families, orders and classes of *Ascomycota* and *Basidiomycota*. This will result in more and more asexual states being described and illustrated without being given formal names and therefore it is important to have a forum where asexual data can be brought to the attention of researchers. It is hoped that this compilation will facilitate the move towards *one fungus one name* (Shenoy et al. 2007, 2010, Hawksworth et al. 2011). By placing all asexual genera against the backbone classification of the sexual genera it will be possible to establish, 1)

what are the sexual states of various species, genera, families or orders, 2) which genera have no information, 3) which are the older or more commonly used names for each genus, and 4) illustrate the redundancy of the dual classification system.

This compilation also provides a single place where asexual connections can be accessed and critically scrutinized so that a stable and reliable system can be developed based on published data. We do not claim that this compilation is complete or definitive; however, it provides a forum for displaying data and can be added to or changed as more data becomes available or errors are discovered. In future issues we will explore various connections and provide more data.

In the long term it will be desirable if *Myconet* (<http://www.fieldmuseum.org/myconet>) is merged with this document, however, this should occur at some time in the future, when more data is available.

Material and methods

The overall scheme for the classification of the sexual fungi follows the *Outline of Ascomycota 2009* (Lumbsch & Huhndorf 2010), with additional data on anamorphic *Basidiomycota* from Kirk et al. (2008). This scheme is chosen as the schemes in the *Dictionary of the Fungi*, *Index Fungorum*, and *Mycobank* differ to a greater or lesser extent and it was felt wise to follow what the authors consider is an admirable attempt to keep abreast of the current literature as is routinely carried out in the *Outline of Ascomycota*. This compilation also annotates changes made in the form of notes on asexual fungi (marked with an asterisk after the entry, with notes in the later “Notes” section) so that changes can easily be followed; this is not always true of the available databases.

Asexual genera or ‘-like’ genera are listed in bold under the appropriate fungal classification and the link to a teleomorph genus given where found. Dubious genera are excluded but can be added if they are later found to be good genera. Fossil fungi are also excluded as it would be impossible with present techniques available to provide a natural classification for them. A question mark before the entry means that its placement in

that family or order is not fully established and generally follows Lumbsch & Huhndorf (2010). A question mark before anamorph means it is not clear that this is the anamorph of this genus, although there are many cases without a question mark where the link has not equivocally been proven. An asterisk following the names indicates an entry in the “Notes” section.

In many genus records in *Index Fungorum* the species is linked to more than one anamorphic genus. Such records can be located by searching the genus throughout the list for repeat entries. The synonyms of genera are not listed as they can be easily found in *Index Fungorum*.

We encourage colleagues to inform us of any missing entries, new data or misunderstandings, which will be updated in future compilations. We would also invite experts of specific groups to contribute to future compilations on their specific group(s) of interest and encourage reviews or illustrated accounts of families, orders or other groups relating to sexual and asexual links. Reviews of asexual genera with sections or series, such as *Aspergillus*, *Penicillium* and *Verticillium*, the powdery mildews, many of the yeasts and yeast-like genera and the asexual smuts and rusts are particularly needed. Similarly the lichenized ascomycete asexual states are poorly documented.

As there is mandate towards using one name for both the sexual and asexual states of a fungus we also encourage authors to submit articles or opinions concerning the use of either name. This might be in the form of a general critic, arguments for or against using one name, or an article that specifically addresses an individual group or genus.

In the present outline we have added (H) = hyphomycete, (C) = coelomycete, (Y) = yeast and (R) = Rust against entries where known. Although this grouping is artificial we do this to facilitate finding data on either as the groups are generally dealt with in different text. For example, data for the hyphomycetes have recently been compiled and updated by Seifert et al. (2011) and the new data for hyphomycetes included here have been extracted from this tome. Data for coelomycetes were extracted from Sutton (1980), Nag Raj (1993), <http://>

www.Cybertruffle.org.uk/cybernome/eng/index.htm (Accession date 18.03.2011) and <http://www.landcareresearch.co.nz/html/data.asp?ID=&NAMEKey=26885> (Accession date 6.12.2011).

Index to Ascomycota

Phylum ASCOMYCOTA Caval-Sm.

Subphylum TAPHRINOMYCOTINA O.E. Erikss. & Winka

Class Taphrinomycetes O.E. Erikss. & Winka
Taphrinales Gäum. & C.W. Dodge

Protomycetaceae Gray

Saitoella Goto, Sugiy., Hamam. & Komag. 1987 (Y)

Taphrinaceae Gäum.

Lalaria R.T. Moore 1990, anamorphic
Taphrina Fr. 1815 (Y)

Subphylum SACHAROMYCOTINA O.E. Erikss. & Winka

Class Saccharomycetes O.E. Erikss. & Winka
Saccharomycetales Kudrjanzev

Dipodascaceae Engl. & E. Gilg

Blastobotrys Klopotek 1967, anamorphic
Trichomonascus H.S. Jacks. 1948 (H)

?*Candida* Berkhout 1923, anamorphic
Sporopachydermia Rodr. Mir. 1978 (Y)

Geotrichum Link 1809, anamorphic
Galactomyces Redhead & Malloch 1977 and *Dipodascus* Lagerh. 1892 (H)

Geotrichum-like, anamorphic *Basidioascus* Matsush. 2003 (H)

Saprochaete Coker & Shanor 1939, anamorphic
Magnusiomyces Zender 1926 (H)

Endomycetaceae J. Schröt.

Fusidium Link 1809, possibly anamorphic
Ascocephalophora K. Matsush. & Matsush. 1995 (H)

Lipomycetaceae E.K. Novák & Zsolt

Myxozyma Van der Walt, Weijman & Arx 1981 (Y)

Metschnikowiaceae T. Kamienski

Candida Berkhout 1923, anamorphic
Clavispora Rodr. Mir. 1979 and

Metschnikowia T. Kamienski 1899 (Y)

Pichiaceae Zender

Brettanomyces N.H. Claussen ex Custers 1940, anamorphic
Dekkera Van der Walt 1964 (Y)

Eeniella M.T. Sm., Bat. Vegte & Scheffers 1981, anamorphic
Dekkera Van der Walt (Y)

Enantiothamnus Pinoy 1911 (Y)

Hyphopichia Arx & Van der Walt 1976 (Y)

Saccharomycetaceae G. Winter

?*Candida* Berkhout 1923, anamorphic
Ogataea Y. Yamada, K. Maeda & Mikata 1994, *Lodderomyces* Van der Walt 1966 and *Spathaspora* N.H. Nguyen, S.O. Suh & M. Blackw. 2006 (Y)

Saccharomycodaceae Kudrjanzev

Candida Berkhout 1923, anamorphic
Lodderomyces Van der Walt 1966 and *Spathaspora* N.H. Nguyen, S.O. Suh & M. Blackw. 2006 (Y)

Kloeckera Janke 1923, anamorphic
Hanseniaspora Zikes 1911 (Y)

Trichomonascaceae Kurtzman & Robnett

?*Candida* Berkhout 1923, anamorphic
Zygoascus M.T. Sm. 1986 (Y)

Saccharomycetales, genera *incertae sedis*

Aciculoconidium D.S. King & S.C. Jong 1976 (Y)

Botryozyma Shann & M.T. Sm. 1992, anamorphic
Ascobotryozyma J. Kerrigan, M.T. Sm. & J.D. Rogers 2001 (Y)

Candida Berkhout 1923, anamorphic
Starmerella C.A. Rosa & Lachance 1998 (Y)

Cicadomyces Šulc 1911 (Y)

Macrorhabdus Tomasz., Logan, Snowden, Kurtzman & Phalen 2003 (Y)

Oosporidium Stautz 1931 (Y)

Pseudomycoderma H. Will 1916 (Y)

Schizoblastosporion Cif. 1930 (Y)

Trigonopsis Schachner 1929 (Y)

Saccharomycetes, genera *incertae sedis*

Selenotila Lagerh. 1892 (Y)

Selenozyma Yarrow 1977 (Y)

Subphylum PEZIZOMYCOTINA O.E.

Erikss. & Winka

Class Arthoniomycetes O.E. Erikss. & Winka

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

Arthoniaceae Reichenb. ex Reichenb.

Helicobolomyces Matzer 1995, anamorphic *Arthonia* Ach. 1806 (C)

?*Septocyta* Petr. 1927, anamorphic *Arthonia* Ach. 1806 (C)

Subhysteropycnis Wedin & Hafellner 1998, anamorphic *Arthonia* Ach. 1806 (C)

Roccellaceae Chevall.

Sporhaplus H.B.P. Upadhyay 1964, anamorphic *Mazosia* A. Massal 1854 (C)

Class Dothideomycetes sensu O.E. Erikss. & Winka

Subclass Dothideomycetidae P.M. Kirk, P.F. Cannon, J.C. David & J.A. Stalpers ex C.L. Schoch, Spatafora, Crous & Shoemaker

Capnodiales Woron.

Antennulariellaceae Woron.

Capnodendron S. Hughes 1976, anamorphic *Antennulariella* Woron. 1915 (H)

Capnofrasera S. Hughes 2003 (H)

Heteroconium Petr. 1949, anamorphic *Antennulariella* Woron. 1915 (H)

Capnodiaceae (Sacc.) Höhn. ex Theiss.

Acanthorus Bat. & Cavalc. 1967 (C)

?*Antennariella* Bat. & Cif. 1963 (C)*

Apiosporium Kunze 1817 (C)

Conidiocarpus Woron. 1927, anamorphic *Phragmocapnias* Theiss. & Syd. 1918 and *Scorias* Fr. 1825 (C)*

Fumagospora G. Arnaud 1911, anamorphic *Capnodium* Mont. 1848 (C)

?*Fumiglobus* D.R. Reynolds & G.S. Gilbert 2006 (C)*

Microxiphium (Harv. ex Berk. & Desm.) Thüm. 1879 (as *Microxiphium*) (H)*

?*Mycogelidium* W.Y. Zhuang 2007 (C)

Phaeoxyphiella Bat. & Cif. 1963, anamorphic *Capnodium* Mont. 1848 (C)*

?*Polychaetella* Speg. 1918, anamorphic *Capnodium* Mont. 1848 (C)*

Polychaeton (Pers.) Lev. 1846 (C)*

Scolecocyphium Cif. & Bat. 1956, anamorphic *Capnodium* Mont. 1848 and *Scorias* Fr. 1825 (C)*

Tripospermum Speg. 1918 anamorphic *Triposporiopsis* W. Yamam 1955 (H)*

Coccodiniaceae Höhn. ex O.E. Erikss.

Bisbyopeltis Bat. & A.F. Vital 1957 (C)

Microxiphium (Harv. ex Berk. & Desm.) Thüm. 1879, anamorphic *Dennisiella* Bat. & Cif. 1962 (H)*

Davidiellaceae C.L. Schoch, Spatafora, Crous & Shoemaker

Acroconidiella J.C. Lindq. & Alippi 1964, anamorphic *Davidiella* Crous & U. Braun 2003 (H)

Cladosporium Link 1816, anamorphic *Davidiella* Crous & U. Braun 2003 (H)

Dichocladosporium K. Schub., U. Braun & Crous 2007 (C)

Graphiopsis Trail 1889, anamorphic *Davidiella* Crous & U. Braun 2003 (H)

Hoornsmania Crous 2007 (H)

Rachicladosporium Crous, U. Braun & C.F. Hill 2007 (H)

Toxicocladosporium Crous & U. Braun 2007 (H)

Verrucocladosporium K. Schub., Aptroot & Crous 2007 (H)

Dissoconiaceae Crous & de Hoog

Dissoconium de Hoog, Oorschot & Hijwegen 1983 (H)

Ramichloridium Stahel 1937 ex de Hoog 1977 (H)

Metacapnodiaceae S. Hughes & Corlett

Capnobotrys S. Hughes 1970, anamorphic *Metacapnodium* Speg. 1918 (H)

Capnocybe S. Hughes 1966, anamorphic *Metacapnodium* Speg. 1918 (H)

Capnophialophora S. Hughes 1966, anamorphic *Metacapnodium* Speg. 1918 (H)

Capnosporium S. Hughes 1976, anamorphic *Metacapnodium* Speg. 1918 (H)

Hormiokrypsis Bat. & Nascim. 1957, anamorphic *Metacapnodium* Speg. 1918 and *Ophiocapnocomma* Bat. & Cif. 1963 (H)

Torulopsiella Bender 1932, anamorphic

Ophiocapnocomma Bat. & Cif. 1963 and
Metacapnodium Speg. 1918 (H)

***Mycosphaerellaceae* Lindau**

Anguillosporella U. Braun 1995 (H)
Asperisporium Maubl. 1913 (H)
Asteromella-like, anamorphic *Gillotia*
Sacc. & Trotter 1913 (C)
Cercospora Fresen. 1863, anamorphic
Mycosphaerella Johanson 1884, *Sphaerulina*
Sacc. and others (H)
Cercosporella Sacc. 1880, anamorphic
Mycosphaerella Johanson 1884 (H)
?Clypeispora A.W. Ramaley 1991, ana-
morphic *Mycosphaerella* Johanson
1884 (C)
Colletogloeum Petr. 1953, anamorphic
Mycosphaerella Johanson 1884 (C)
Coniothryium-like, anamorphic *Bruneosphaerella*
Crous 2009 (C)
Deightoniella S. Hughes 1952 (H)
Didymochora Höhn. 1918, anamorphic
Euryachora Fuckel 1870 (C)
Distocercospora N. Pons & B. Sutton
1988 (H)
Dothistroma Hulbary 1941 (C)
Floricola Kohlm. & Volkm.Kohlm. 2000
(C)
Fusicladiella Höhn. 1919, anamorphic
Mycosphaerella Johanson 1884 (H)
Laocoön J.C. David 1997 (H)
Lecanosticta Syd. 1922 (C)
Microcyclospora Jana Frank, Schroers &
Crous 2010 (H)
Microcyclosporella Jana Frank, Schroers
& Crous 2010 (H)
Miuraea Hara 1948, anamorphic *Mycosphaerella*
Johanson 1884 (H)
Mycopappus Redhead & G.P. White 1985,
anamorphic *Mycosphaerella* Johanson
1884 (H)
Mycovellosiella Rangel 1918, anamorphic
Mycosphaerella Johanson 1884 (H)
Parastenella J.C. David 1991 (H)
Passalora Fr. 1849, anamorphic *Mycosphaerella*
Johanson 1884 (H)
Penidiella Crous & U. Braun 2007 (H)
Periconiella Sacc. 1885, anamorphic
Allosoma Syd. 1926 (H)
Phacellium Bonord. 1860, anamorphic
Mycosphaerella Johanson 1884 (H)
Phaeoisariopsis Ferraris 1909, anamorphic

Mycosphaerella Johanson 1884 (H)
Phaeophleospora Rangel 1916 (C)
Phaeothecoidea Crous 2007 (H)
Phloeospora Wallr. 1833, anamorphic
Mycosphaerella Johanson 1884 (C)
Placosphaeria-like, anamorphic *Euryachora*
Fuckel 1870 (C)
Polythrincium Kunze 1817, anamorphic
Cymadothea F.A. Wolf 1935 (H)
Pseudocercospora Speg. 1910 anamorphic
Mycosphaerella Johanson 1884 (H)
Pseudocercosporella Deighton 1973, ana-
morphic *Mycosphaerella* Johanson
1884 (H)
Pseudocercosporidium Deighton 1973 (H)
Quasiphloeospora B. Sutton, Crous &
Shamoun 1996 (H)
Ramichloridium Stahel ex de Hoog 1977
(H)
Ramichloridium-like, anamorphic *Mycosphaerella*
Johanson 1884 (H)
Ramularia Unger 1833, anamorphic *Mycosphaerella*
Johanson 1884 and
Melanodothis R.H. Arnold 1972 (H)
Ramulariopsis Speg. 1910, anamorphic
Mycosphaerella Johanson 1884 (H)
Ramulispora Miura 1920, anamorphic
Mycosphaerella Johanson 1884 (H)
Rhabdospora (Durieu & Mont. ex Sacc.)
Sacc. 1884 (C)
Rhexocercosporidium U. Braun 1994 (H)
Semipseudocercospora J.M. Yen 1983 (H)
Septoria Sacc. 1884 (C)
Septoria-like, anamorphic *Mycosphaerella*
Johanson 1884 (C)
Sirosporium Bubák & Serebrian. 1912 (H)
Sonderhenia H.J. Swart & J. Walker 1988
(C)
Stenella Syd. 1930, anamorphic *Mycosphaerella*
Johanson 1884 (H)
Stenellopsis B. Huguenin 1966 (H)
Stigmia Sacc. 1980, anamorphic *Mycosphaerella*
Johanson 1884 (H)
Thegonia B. Sutton 1973, anamorphic
Mycosphaerella Johanson 1884 (H)
Thegonia-like (H)
Trochophora R.T. Moore 1955 (H)
Verrucisporota D.E. Shaw & Alcorn 1993
(H)
Xenostigmia Crous 1998, anamorphic
Mycosphaerella Johanson 1884 or
Didymella Sacc. ex D. Sacc. 1880 (H)

Zasmidium Fr. 1849, anamorphic *Mycosphaerella*-like and *Rasutoria* M.E. Barr 1987 (H)

Zymoseptoria Quaedvlieg & Crous 2011 (C)*

Capnodiales, genera *incertae sedis*

Capnocheirides J.L. Crane & S. Hughes 1982 (H)

Heptaster Cif., Bat. & Nascim. 1956 (H)

Hormonema-like, anamorphic *Xenomeris* Syd. 1924 (H)

Houjia G.Y. Sun & Crous 2010 (H)

Micropustulomyces R.W. Barreto 1995 (C)

Phaeotheca Sigler, Tsuneda & J.W. Carmich. 1981 (H)

Phaeothecoidiella Batzer & Crous 2010 (H)

Pseudovirgaria H.D. Shin, U. Braun, Arzanlou & Crous 2007 (H)

Rachicladosporium Crous, U. Braun & C.F. Hill 2007 (H)

Recurvomyces Selbmann & de Hoog 2008 (H)

Scolecostigma U. Braun 1999 (H)

Sporidesmajora Batzer & Crous 2010 (H)

Verrucocladosporium K. Schub., Aptroot & Crous 2007 (H)

Dothideales Lindau

Dothideaceae Chevall.

Lecanosticta Syd. 1922, anamorphic *Sciurria* Nitschke ex Fuckel 1870 (C)

Podoplaconema Petr. 1921, anamorphic *Omphalospora* Theiss. & Syd. 1915 (C)

Dothioraceae Theiss. & H. Syd.

Aureobasidium Viala & G. Boyer 1891, anamorphic *Columnosphaeria* Munk 1953 and *Sacothecium* Fr. 1836 (H)

Dothichiza Lib. ex Roum. 1880, anamorphic *Dothiora* Fr. 1849 and *Sydowia* Bres. 1895 (C)

Hormonema Lagerb. & Melin 1927, anamorphic *Dothiora* Fr. 1849, *Pringsheimia* Schulzer 1866 and *Sydowia* Bres. 1895 (H)

Japonia Höhn. 1909, anamorphic *Yoshinagaia* Henn. 1904 (C)

Kabatina R. Schneid. & Arx 1966 (C)

?*Rhizosphaera* L. Mangin & Har. 1907, anamorphic *Phaeocryptopus* Naumov

1915 and *Dimerina* Theiss. 1912 (C)

Sclerophoma Höhn. 1909, anamorphic *Sydowia* Bres. 1895 (C)

Teratosphaeriaceae Crous & U. Braun

Acidomyces B.J. Baker, M.A. Lutz, S.C. Dawson, P.L. Bond & Banfield ex Selbmann, de Hoog & De Leo 2008 (H)

Batcheloromyces Marasas, P.S. van Wyk & Knox-Dav. 1975 (H)

Baudoinia J.A. Scott & Unter. 2007 (H)

Capnobotryella Sugiy. 1987 (H)

Catenulostroma Crous & U. Braun 2007, anamorphic *Teratosphaeria* Syd. & P. Syd. 1912 (H)

Cibiessia Crous 2007 (H)

Colletogloeopsis Crous & M.J. Wingf. 1997, anamorphic *Teratosphaeria* Syd. & P. Syd. 1912 (C)

Davisoniella H.J. Swart 1988 (C)

Devriesia Seifert & N.L. Nick. 2004 (H)

Elasticomyces Zucconi & Selbmann 2008 (H)

Friedmanniomyces Onofri 1999 (H)

Hispidiconidioma Tsuneda & Davey 2010 (H)

Hobsoniopsis D. Hawksw. 2001 (H)

Hortaea Nishim. & Miyaji 1984 (H)

Kirramyces J. Walker, B. Sutton & Pascoe 1992, anamorphic *Teratosphaeria* Syd. & P. Syd. 1912 (C)

Nothostrasseria Nag Raj 1983 (C)

Passalora Fr. 1849 (H)

Penidiella Crous & U. Braun 2007 (H)

Phacellium Bonord. 1860 (H)

Phaeothecoidea Crous 2007 (H)

Pseudocercosporella Deighton 1973 (H)

Pseudoramichloridium Cheewangkoon & Crous 2010 (H)

Pseudotaeniolina J.L. Crane & Schokn. 1986 (H)

Ramichloridium Stahel ex de Hoog 1977 (H)

Recurvomyces Selbmann & de Hoog 2008 (H)

Readeriella Syd. & P. Syd. 1908 (C)

Sporidesmium Link 1809 (H)

Staninwardia B. Sutton 1971 (C)

Stenella Syd. 1930 (H)

Trimmatostroma-like, anamorphic *Teratosphaeria* Syd. & P. Syd. 1912 (H)

Tripospermum Speg. 1918 (H)

Myriangiales Starbäck**Elsinoaceae** Höhn. ex Sacc. & Trotter

- Endosporium* Tsuneda 2008 (H)
Sphaceloma de Bary 1874 anamorphic
Elsinoë Racib. 1900 (C)
Xenodiella Syd. 1935, anamorphic *Xenodidium* Syd. 1935 (H)

Myriangiales, genera *incertae sedis*

- Phaeosclera* Sigler, Tsuneda & J.W. Carmich. 1981 (H)
Sarcinomyces Lindner 1898 (H)

Zopfiaceae G. Arnaud ex D. Hawksw. 1992

- Cladosporium*-like, anamorphic *Zopfia* Rabenh. 1874 (H)

Subclass Pleosporomycetidae C.L. Schoch, Spatafora, Crous & Shoemaker**Pleosporales** Luttrell ex M.E. Barr

- Anniculicolaceae** Yin. Zhang, C.L. Schoch, J. Fourn., Crous & K.D. Hyde
Anguillospora Ingold 1942 (H)
Spirosphaera Beverw. 1953 (H)

Cucurbitariaceae G. Winter

- Camarosporium* Schulzer 1870, anamorphic *Cucurbitaria* Gray 1821 (C)
Coniothyrium-like, anamorphic *Curreya* Sacc. 1883 (C)
Diplodia-like, anamorphic *Cucurbitaria* Gray 1821 (C)
 ?*Megaloseptoria* Naumov 1925, anamorphic *Cucurbitaria* Gray 1821 (C)
 ?*Phaeoseptoria* Speg. 1908, anamorphic *Rhytidiella* Zalasky 1968 (C)
Phialophorophoma Linder 1944 (C)
Phoma Sacc. 1880 (C)
Pleurophoma Höhn. 1914 (C)
Pleurostromella Petr. 1922, anamorphic *Cucurbitaria* Gray 1821 and *Gibberidea* Fuckel 1870 (C)
Pyrenochaeta De Not. 1849, anamorphic *Cucurbitaria* Gray 1821 (C)
Pyrenochaetopsis Gruyter, Aveskamp, & Verkley, 2010 (C)
Syntholus A.W. Ramaley & M.E. Barr 1997, anamorphic *Syncarpella* Theiss. & Syd. 1915 (C)

Diademaceae Shoemaker & C.E. Babcock

- Alternaria*-like, anamorphic *Comoclathris*

Clem. 1909 (H)*

- Fusicladiella* Höhn. 1919, anamorphic
Didymosphaeria Fuckel 1870 (H)

Didymellaceae Gruyter, Aveskamp & Verkley

- Ascochyta* Lib. 1830, anamorphic *Didymella* Sacc. ex D. Sacc. 1880 (C)
Ampelomyces Ces. ex Schltld. 1852 (C)
Boeremia Aveskamp, Gruyter & Verkley 2010 (C)
Chaetasbolisia Speg. 1918 (C)
Dactuliochaeta G.L. Hartm. & J.B. Sinclair 1988, anamorphic *Didymella* Sacc. 1880 (C)
Microsphaeropsis Höhn. 1917 (C)
Peyronellaea Gold. ex Togliani 1952 (C)
Phoma Sacc. 1880, anamorphic *Didymella* Sacc. ex D. Sacc. 1880 (C)
Piggotia Berk. & Broome 1851, possibly anamorphic *Platychora* Petr. 1925 (C)
Pithomyces Berk. & Broome 1875, anamorphic *Leptosphaerulina* McAlpine 1902 (H)
Stagonosporopsis Died. 1912, anamorphic *Didymella* Sacc. ex D. Sacc. 1880 (C) (= *Ascochyta* Lib. 1830)

Didymosphaeriaceae Munk

- Cytoplea* Bizz. & Sacc. 1885, anamorphic
Roussoëlla Sacc. 1888 (C)

Dothidotthiaceae Crous & A.J.L. Phillips

- ?*Dothiorella* Sacc. 1880, anamorphic *Dothidotthia* Höhn. 1918 (C)
Thyrostroma Höhn. 1911, anamorphic
Dothidotthia Höhn. 1918 (H)

Hypsostromataceae Huhndorf

- Pleurophomopsis*-like, anamorphic *Hypsostroma* Huhndorf (C)

Lentitheciaceae Yin. Zhang, C.L. Schoch, J. Fourn., Crous & K.D. Hyde

- Stagonospora* (Sacc.) Sacc. 1884 (C)

Leptosphaeriaceae M.E. Barr

- Camposporium* Harkn. 1884, anamorphic
Leptosphaeria Ces. & De Not. 1863 (H)
Coniothyrium Corda 1840, anamorphic
Leptosphaeria Ces. & De Not. 1863 (C)
Coniothyrium-like, anamorphic *Neophaeo-*

sphaeria M.P.S. Câmara, M.E. Palm & A.W. Ramaley 2003 (C)

Phoma Sacc. 1880, anamorphic *Leptosphaeria* Ces. & De Not. 1863 (C)

Plenodomus Preuss 1851 (C)

Pyrenochaeta De Not. 1849, possibly anamorphic *Leptosphaeria* Ces. & De Not. 1863 (C)

Lindgomycetaceae K. Hiray., Kaz. Tanaka & Shearer

Taeniolella S. Hughes 1958 (H)

Lolia Abdel-Aziz & Abdel-Whab 2010 (C)*

Lophiostomataceae Sacc.

Anguillospora Ingold 1942, anamorphic *Massarina* Sacc. 1883 (H)

Ascochyta Lib. 1830, anamorphic *Trichometasphaeria* Munk 1953 (C)

Periconia Tode 1791 anamorphic *Lophiostoma* Ces. & De Not. 1863 (H)

Pleuromphopsis-like, anamorphic *Lophiostoma* Ces. & De Not. 1863 (C)

Pyricularia Sacc. 1880, anamorphic *Massarina* Sacc. 1883 (H)

Tumularia Descals & Marvanová 1987(H)

Massariaceae Nitschke

?*Aplosporella*-like, anamorphic *Dubitatia* Speg. 1882 (C)

Myxocyclus Riess 1852, anamorphic *Massaria* De Not. 1844 (C)

Torula Pers. 1794 (H)

Massarinaceae Munk

Aquaticheirospora Kodsueb & W.H. Ho 2007 (H)

Ceratophoma Höhn. 1917, anamorphic *Massarina* Sacc. 1883 (C)

Cheiosporium L. Cai & K.D. Hyde 2008 (H)

Clavariopsis De Wild. 1895 (H)

Helminthosporium Link 1809, anamorphic *Splanchnonema* Corda 1829 (H)

Neottiosporina Subram. 1961 (C)

Pseudodictyosporium Matsush. 1971 (H)

Melanommataceae G. Winter

Aposphaeria Sacc. 1880 (C)

Beverwykella Tubaki 1975 (H)

Exosporiella P. Karst. 1892, anamorphic

Anomalemma Sivan. 1983 (H)

Nigrolentilocus R.F. Castañeda & Heredia 2001, anamorphic *Melanomma* Nitschke ex Fuckel 1870 (H)

Monodictys S. Hughes 1958, anamorphic *Ohleria* Fuckel 1868 (H)

Monotosporella S. Hughes 1958 (H)

Pyrenochaeta De Not. 1849, anamorphic *Byssosphaeria* Cooke 1879 (C)

Sporidesmiella P.M. Kirk 1982 (H)

Montagnulaceae M.E. Barr

Aschersonia Mont. 1848, anamorphic *Montagnula* Berl. 1896 (C)

Microdiplodia Allesch. 1901, possibly anamorphic *Karstenula* Speg. 1879 (C)

Microsphaeropsis Höhn. 1917, anamorphic *Paraphaeosphaeria* O.E. Erikss. 1967 (C)

Paraconiothyrium Verkley 2004, possibly anamorphic *Paraphaeosphaeria* O.E. Erikss. 1967 (C)

Phaeosphaeriaceae M.E. Barr

Amarenographium O.E. Erikss. 1982, anamorphic *Amarenomyces* O.E. Erikss. 1981 (recently synonymised with *Phaeosphaeria* I. Miyake 1909) (C)

Ampelomyces Ces. ex Schldl. 1852 (C)

Chaetosphaeronema Moesz 1915 (C)

Coniothyrium Corda 1840, anamorphic *Ophiobolus* Riess 1854 (C)

Harpophora W. Gams 2000, anamorphic anamorphic *Ophiobolus* Riess 1854 (H)

Hendersonia-like, anamorphic *Austropleospora* R.G. Shivas & L. Morin 2010 and *Phaeosphaeria* I. Miyake 1909 (C)

Mauginiella Cavara 1925 (H)

Neosetophoma Gruyter, Aveskamp & Verkley 2010 (C)

?*Parahendersonia* A.W. Ramaley 1995, anamorphic *Chaetoptea* (Sacc.) Clem. 1931 (C)

Paraphoma Morgan-Jones & J.F. White 1983 (C)

Phaeoseptoria Speg. 1908, anamorphic *Phaeosphaeria* I. Miyake 1909 (C)

Phaeostagonospora A.W. Ramaley 1997, anamorphic *Phaeosphaeriopsis* M.P.S. Câmara, M.E. Palm & A.W. Ramaley 2003 (C)

Phoma Sacc. 1880, anamorphic *Ophio-*

- bolus* Riess 1854 (C)
Rhabdospora (Durieu & Mont. ex Sacc.) Sacc. 1884, anamorphic *Ophiobolus* Riess 1854 (C)
Scolecosporiella Petr. 1921, anamorphic *Ophiosphaerella* Speg. and *Phaeosphaeria* I. Miyake 1909 (C)
Setophoma Gruyter, Aveskamp & Verkley 2010 (C)
 ?*Sphaerellopsis* Cooke 1883, anamorphic *Eudarlucella* Speg. 1908 (C)
Stagonospora (Sacc.) Sacc. 1884, anamorphic *Phaeosphaeria* I. Miyake 1909 (C)
Tiarospora Sacc. & Marchal 1885 (C)

Pleomassariaceae M.E. Barr

- Ceuthodiplospora* Died. 1912, anamorphic *Splanchnonema* Corda (C)
Corynespora Güssow 1906, anamorphic *Pleomassaria* Speg. 1880 (H)
Myxocyclus Riess 1852, anamorphic *Splanchnonema* Corda 1829 (C)
 ?*Prosthemium* Kunze 1817, anamorphic *Pleomassaria* Speg. 1880 (C)
Scolicosporium Lib. ex Roum. 1880, anamorphic *Asteromassaria* Höhn. 1917 (C)
Shearia Petr. 1924, anamorphic *Pleomassaria* Speg. 1880 (C)
Stegosporium Corda 1827, anamorphic *Splanchnonema* Corda 1829 (C)

Pleosporaceae Nitschke

- Alternaria* Nees 1816, anamorphic *Lewia* M.E. Barr & E.G. Simmons 1986 (H)*
Alternaria-like anamorphic *Clathrospora* Rabenh. 1857 (H)
Alternariaster E.G. Simmons 2007 (H)
Brachycladium Corda 1838, anamorphic *Crivellia* Shoemaker & Inderbitzin 2006 (H)
Bipolaris Shoemaker 1959, anamorphic *Cochliobolus* Drechsler 193 (H)
Chalastospora E.G. Simmons 2007 (H)
Corynespora Güssow 1906, anamorphic *Pyrenophora* Fr. 1849 (H)
Curvularia Boedijn 1933, anamorphic *Cochliobolus* Drechsler 1934 (H)
Dactuliophora C.L. Leakey 1964 (H)
Dendryphiella Bubák & Ranoj. 1914, anamorphic *Pleospora* Rabenh. ex Ces. & De Not. 1863 (H)

- Dendryphion* Wallr. 1833, anamorphic *Pleospora* Rabenh. ex Ces. & De Not. 1863 (H)
Dictyosporium Corda 1836 (H)
Digitodesmium P.M. Kirk 1981 (H)
Drechslera S. Ito 1930, anamorphic *Pyrenophora* Fr. 1849 (H)
Edenia M.C. González, Anaya, Glenn, Saucedo & Hanlin 2007 (H)
Embellisia E.G. Simmons 1971, anamorphic *Lewia* M.E. Barr & E.G. Simmons (H)
Exserohilum K.J. Leonard & Suggs 1974, anamorphic *Setosphaeria* K.J. Leonard & Suggs 1974 (H)
Gibbago E.G. Simmons 1986 (H)
Lemonniera De Wild. 1894 (H)
Mariellottia Shoemaker 1999, anamorphic *Pyrenophora* Fr. 1849 (H)
Nimbya E.G. Simmons 1989, anamorphic *Macrospora* Fuckel 1870 (H)
Prathoda Subram. 1956 (H)
Sinomyces Yong Wang bis & X.G. Zhang 2011 (H)
Stemphylium Wallr. 1833, anamorphic *Pleospora* Rabenh. ex Ces. & De Not. 1863 (H)
Teretispora E.G. Simmons 2007 (H)
Ulocladium Preuss 1851, anamorphic *Lasioobotrys* Kunze 1823 (H)
Undifilum Pryor, Creamer, Shoemaker, McLain-Romero & Hambl. 2009 (H)

Sporormiaceae Munk

- ?*Amorosiopsis* Mantle & D. Hawksw. 2006 (H)
Phoma Sacc. 1880 (C)
Phoma-like, anamorphic *Westerdykella* Stolk 1955 (C)

Teichosporaceae M.E. Barr

- Coniothyrium*-like, anamorphic *Immothia* M.E. Barr (C)

Tetraplosporiaceae Kaz. Tanaka & K. Hirayama

- Pseudotetraploa* Kaz. Tanaka & K. Hirayama 2009 (H)
Quadricrura Kaz. Tanaka, K. Hirayama & Sat. Hatak. 2009 (H)
Tetraploa Berk. & Broome 1850, anamorphic *Tetraplospora* Kaz. Tanaka & K. Hirayama 2009 (H)

Tetraploa-like, anamorphic *Triplosphaeria* Kaz. Tanaka & K. Hirayama 2009 and *Polyplosphaeria* Kaz. Tanaka & K. Hirayama 2009 (H)

Trematosphaeriaceae K.D. Hyde, Yin. Zhang, Suetrong & E.B.G. Jones

Hyphopodia-like, anamorphic *Trematosphaeria* Fuckel, Jb. Nassau. Ver. Naturk (C)*

Pleosporales, genera *incertae sedis*

Berkleasmius Zobel 1854 (H)

Briansuttonia R.F. Castañeda, Minter & Saikawa 2004 (H)

Cerebella Ces. 1851 (H)

Cheironiliophora Tzean & J.L. Chen 1990 (H)

Diplococcium Grove 1885 (H)

Ellisemia Subram. 1992 (H)

Epicoccum Link 1815 (H)

Fusulina Crous & Summerell 2006 (C)

Mycocentrospora Deighton 1972 (H)

Mycopappus Redhead & G.P. White 1985 anamorphic *Mycodidymella* C.Z. Wei, Y. Harada & Katum. 1998 (H)

Noosia Crous, R.G. Shivas & McTaggart 2011 (H)

Ochrocladosporium Crous & U. Braun 2007 (H)

Phoma Sacc. 1880 (C)

Periconia Tode 1791 (H)

Pleurophomopsis Petr. 1924, anamorphic *Astrosphaeriella* Syd. & P. Syd. 1913 (C)

Polyschema H.P. Upadhyay 1966 (H)

Pseudochaetosphaeronema Punith. 1979 (C)

Pseudopassalora Crous 2011 (H)

Repetophragma Subram. 1992 (H)*

?*Scleroramularia* Batzer & Crous 2011 (H)

Sclerostagonospora Höhn. 1917 (C)

Sirodesmium De Not. 1849 (C)

Spiroplana Voglmayr, M.J. Park & H.D. Shin 2011 (H)

Sporidesmium Link 1809 (C)

Versicolorisporium Sat. Hatak., Kaz. Tanaka & Y. Harada 2008 (C)

Ybotromyces Rulamort 1986 (H)

Dothideales genera *incertae sedis*

Atramixtia Tsuneda, M.L. Davey & Currah 2011 (H)

Celosporium Tsuneda & Davey 2010 (H)

Diplococcium Grove 1885, anamorphic *Othia* Nitschke ex Fuckel 1870 (H)

Pleosporomycetidae, genera *incertae sedis*

Acrogenospora M.B. Ellis 1971, anamorphic *Farlowiella* Sacc. 1891 (H)

Dothideomycetes, orders *incertae sedis*

Acrospermales Minter, Peredo & A.T. Watson

Acrospermaceae Fuckel

Dactylaria Sacc. 1880, anamorphic *Acrospermum* Tode 1783 (H)

Gonatophragmium Deighton 1969, anamorphic *Acrospermum* Tode 1790 (H)

Botryosphaeriales C.L. Schoch, Crous & Shoemaker

Botryosphaeriaceae Theiss. & H. Syd.

Alysiidiella Crous 2006 (H)

Aplosporella Speg. 1880 (C)

Arthrimum Kunze 1817, anamorphic *Leptoguardia* E. Müll. (H)

Bahusutrabeeja Subram. & Bhat 1977 (H)

Barriopsis A.J.L. Phillips, A. Alves & Crous 2008 (C)

Dichomera Cooke 1878 (C)

Diplodia Fr. 1834 (C)

Diplodia-like, anamorphic *Neodeightonia* C. Booth 1970 and *Saccharata* Denman & Crous 2004 (C)

Dothichiza-like, anamorphic *Leptoguardia* E. Müll. 1955 (C)

Dothiorella Sacc. 1880, anamorphic *Spencermartinsia* A.J.L. Phillips, A. Alves & Crous 2008 (C)

Fusicoccum Corda 1829, anamorphic *Botryosphaeria* Ces. & De Not. 1863 (C)

Fusicoccum-like, anamorphic *Melanops* Nitschke ex Fuckel 1870 and *Saccharata* Denman & Crous 2004 (C)

Hormonema Lagerb. & Melin 1927, anamorphic *Guignardia* Viala & Ravaz 1892 (H)

Lasiodiplodia Ellis & Everh. 1896 (C)

Leptodothiorella Höhn. 1918, anamorphic *Guignardia* Viala & Ravaz 1892 (C)

Macrophomina Petr. 1923 (C)

Microdiplodia Allesch. 1901 (C)

Neofusicoccum Crous, Slippers & A.J.L. Phillips 2006, with *Botryosphaeria*-like teleomorphs (C)

Neoscytalidium Crous & Slippers 2006 (H)

Phyllosticta Pers. 1818, anamorphic *Guignardia* Viala & Ravaz 1892 (C)

Pseudofusicoccum Mohali, Slippers & M.J. Wingf. 2006 (C)

Sphaeropsis Sacc. 1880 (C)

Thyrostroma Höhn. 1911, anamorphic *Dothidotthia* Höhn. 1918 (H)

Botryosphaeriales, genera *incertae sedis*

Camarosporium Schulzer 1870 (C)

Dichomera Cooke 1878 (C)

Hendersonula Speg. 1880 (C)

Hysteriales Lindau

Hysteriaceae Chevall.

Aposphaeria-like, anamorphic *Gloniopsis* De Not. 1847 and *Hysterobrevium* E. Boehm & C.L. Schoch 2010 (C)

Coniosporium Link 1809, anamorphic *Hysterium* Pers. 1797 (H)

Plenodomus Preuss 1851, anamorphic *Psilogonium* Höhn. 1918 (C)

Septonema Corda 1837, anamorphic *Oedohysterium* E. Boehm & C.L. Schoch 2009 (H)

Sporidesmium Link 1809, anamorphic *Psilogonium* Höhn. 1918 (H)

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

Aliquandostipitaceae Inderbitzin

Brachiosphaera Nawawi 1976 (H)

Mytilinidiales Boehm, C.L. Schoch & Spatafora

Gloniaceae (Corda) Boehm, C.L. Schoch & Spatafora

Cenococcum Moug. & Fr. 1829 (C)

Cleistonium Speer 1986, anamorphic *Glonium* Mühl. 1813 (C)

Mytilinidiaceae Kirschst.

Camaroglobulus Speer 1986, anamorphic *Mytilinidium* Duby 1862 (C)

Chalara (Corda) Rabenh. 1844, anamorphic *Quasiconcha* M.E. Barr & M. Blackw. 1981 (H)*

?*Monotosporella* S. Hughes 1958, anamorphic *Actidium* Fr. 1815 (H)

Papulospora Preuss 1851, anamorphic *Lophium* Fr. 1818 (H)

Septonema Corda 1837, anamorphic *Mytilinidium* Duby 1862 (H)

Taeniolella S. Hughes 1958, anamorphic *Mytilinidium* Duby 1861 (H)

Jahnulales genera *incertae sedis*

Xylomyces Goos, R.D. Brooks & Lamore 1977 (H)

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

Patellariaceae Corda

Aposphaeria-like, anamorphic *Rhytidhysterium* Speg. 1881 (C)

Diplodia-like, anamorphic *Rhytidhysterium* Speg. 1881 (C)

Venturiales Yin. Zhang, C.L. Schoch & K.D. Hyde

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

Acroconidiellina (Berk. & Broome) M.B. Ellis 1971, anamorphic *Acantharia* Theiss. & Syd. (H)*

Bactrodesmium Cooke 1883, anamorphic *Phragmogibbera* Samuels & Rogerson 1990 (H)

Dictyodochium Sivan. 1984, anamorphic *Gibbera* Fr. 1825 (H)

?*Didymochora* Hohn. 1918, anamorphic *Atopospora* Petr. 1925 (C)

Cladosporium-like, anamorphic *Apiosporina* Höhn. 1910 (H)

Fusicladium Bonord. 1851, anamorphic *Apiosporina* Höhn. 1910, *Caproventuria* Braun 1998 and *Venturia* Sacc. 1882 (H)

Fusicladium-like, anamorphic *Acantharia* Theiss. & Syd 1918 and *Protoventuria* Berl. & Sacc. 1887 (H)

Fusicladosporium Partr. & Morgan-Jones 2003, anamorphic *Venturia* Sacc. 1882 (H)

Helicodendron Peyronel 1918 anamorphic *Tyrannosorus* Unter. & Malloch 1995 (H)

Pithosira Petr. 1949 (H)

Spilocaea Fr. 1819, anamorphic *Venturia* Sacc. 1882 (C)

Spilodochium Syd. 1927 anamorphic *Pseu-*

doparodiella F. Stevens 1927 (H)
Stigmia-like, Sacc. 1980 anamorphic
Aca-ntharia Theiss. & Syd 1918 and
Gib-bera Fr. 1825 (H)

Sympoventuriaceae Yin. Zhang, C.L. Schoch
 & K.D. Hyde

Fusicladium-like (H)
Sympodiella-like, anamorphic *Sympoven-*
turia Crous & Seifert (H)*
Veronaeopsis Arzanlou & Crous 2007
 (H)*

Dothideomycetes, families *incertae sedis*

Ascoporiaceae Kutorga & D. Hawksw.

Plectophomella-like, anamorphic *Pseudo-*
solidum Lloyd 1923 (H)

Asterinaceae Hansf.

?*Acarella* Syd. 1927, anamorphic *More-*
noina Theiss. 1913 (C)
Asterostomella Speg. 1886, anamorphic
Asterina Lév. 1845 (C)
Asterostromina Bat. & A.F. Vital 1957,
 anamorphic *Asterodothis* Theiss. (C)
Asterostomula Theiss. 1916, anamorphic
Echidnodes Theiss. & Syd. 1918 (C)
Bahusakala Subram. 1958 (H)
 ?*Clasterosporium* Schwein. 1832, anamo-
 rphic *Eupelte* Syd. 1924 (H)
Clasterosporium Schwein. 1832, anamo-
 rphic *Asterina* Lév. 1845, *Asterodothis*
 Theiss. 1912, *Yamamotoa* Bat. 1960 and
Lembosia Lév. 1845 (H)
 ?*Elachopeltis* Syd. 1927, anamorphic *Aph-*
anopeltis Syd. 1927 (C)
Eriothyrium Speg. 1888, anamorphic
Aster-inema Bat. & Gayão 1953 (C)*
Leprieurina G. Arnaud 1918, anamorphic
Prillieuxina G. Arnaud 1918 (C)
Mahanteshamomyces Hosag. & C.K. Biju
 2004 (C)
 ?*Peltasterella* Bat. & H. Maia 1959, ana-
 morphic *Yamamotoa* Bat. 1960 (C)
Pirozynskia Subram. 1972, anamorphic
Eupelte Syd. 1924 (H)
Septoidium G. Arnaud 1921, anamorphic
Eupelte Syd. 1924 (H)
Septothyrella Höhn. 1911, anamorphic
Uleothyrium Petr. 1929 (C)
Shivamyces Hosag. 2004 (H)

Sirothyriella Höhn. 1910, anamorphic
Morenoina Thesis. 1913 (C)
 ?*Thyrinula* Petr. & Syd. 1924, anamorphic
Aulographina Arx & E. Müll. 1960 (C)
Triposporium Corda 1837, anamorphic
Batistinula Arx 1960 (H)

Corynesporascaceae Sivan.

Corynespora Güssow 1906, anamorphic
Corynesporasca Sivan. (H)

Dacampiaceae Körb.

Cyclothyrium Petr. 1923, anamorphic *Pol-*
ycoccum Saut. ex Körb. 1865 (C)
Lecythophora-like, anamorphic *Munkoval-*
saria Aptroot 1995 (H)

Englerulaceae Henn.

Capnodiastrum Speg. 1886, anamorphic
Englerula Henn. 1904 and *Rhyti-*
denglerula Höhn. 1918 (C)
Digitosarcinella S. Hughes 1984, anamo-
 rphic *Schiffnerula* Höhn. 1909 (H)
Mitteriella Syd. 1933, anamorphic *Schiff-*
nerula Höhn. 1909 (H)
Questieriella G. Arnaud ex S. Hughes
 1983, anamorphic *Schiffnerula* Höhn.
 1909 (H)
Sarcinella Sacc. 1880, anamorphic *Schiff-*
nerula Höhn. 1909 (H)*

Eremomycetaceae Malloch & Cain

Arthrographis G. Cochet ex Sigler & J.W.
 Carmich. 1976, anamorphic *Eremomy-*
ces Malloch & Cain 1971 and *Pitho-*
ascina Valmaseda, A.T. Martínez &
 Barrasa 1987 (H)
Trichosporiella Kamyschko 1960, anamo-
 rphic *Rhexothecium* Samson &
 Mouch. 1975 and *Eremomyces* Malloch
 & Cain 1971 (H)

Euantennariaceae Hughes & Corlett

Antennatula Fr. ex F. Strauss 1850, anamo-
 rphic *Euantennaria* Speg. and *Strig-*
opodia Bat. 1957 (H)
Capnokyma S. Hughes 1975 (H)
Capnophialophora S. Hughes 1966, ana-
 morphic *Strigopodia* Bat. 1957 (H)
Hormisciomyces Bat. & Nascim. 1957,
 anamorphic *Euantennaria* Speg. (H)

Hyphosoma Syd. 1924, anamorphic *Strigopodia* Bat. 1957 (H)

Plokamidomyces Bat., C.A.A. Costa & Cif. 1957, anamorphic *Trichopeltheca* Bat., C.A.A. Costa & Cif. 1958 (H)

Racodium Fr. 1829, anamorphic *Strigopodia* Bat. 1957 (H)

Trichothallus F. Stevens 1925, anamorphic *Trichopeltheca* Bat., C.A.A. Costa & Cif. 1958 (H)

Fenestellaceae M.E. Barr

Pleurostromella Petr. 1922, anamorphic *Fenestella* Tul. & C. Tul. 1863 (C)

Leptopeltidaceae Höhn. ex Trotter

?*Idriella* P.E. Nelson & S. Wilh. 1956, anamorphic *Dothiopeltis* E. Mull. 1957 (H)

Leptothyrium-like, anamorphic *Leptopeltis* Höhn. 1917 (C)

Meliolinaceae S. Hughes

Briania D.R. Reynolds 1989, anamorphic *Meliolina* Syd. & P. Syd. 1914 (H)

Micropeltidaceae Clem. & Shear

Cyclopeltella Petr. 1953, anamorphic *Cyclopeltis* Petr. 1953 (C)

Heliocephala V.G. Rao, K.A. Reddy & de Hoog 1984 (H)*

Holubovaniella R.F. Castañeda 1985 (H)*

Sirothyriella Höhn. 1910, anamorphic *Stomiopeltis* Theiss. 1914 (C)

Sporidesmium-like, anamorphic *Stomiopeltis* Theiss. 1914 (as *Akaropeltella* M.L. Farr, 1972) (H)

Pycnothyriaceous taxa associated with species of *Stomiopeltis* anamorphic *Micropeltis* Mont.

Microthyriaceae Sacc.

Asterostomula Theiss. 1916, anamorphic *Asterinella* Theiss. 1912 (C)

Asteromella-like, anamorphic *Asterinella* Theiss. 1912 (C)

Hansfordiella S. Hughes 1951, anamorphic *Trichothyrium* Speg. 1889 (H)

Isthmospora F. Stevens 1918, anamorphic *Trichothyrium* Speg. 1889 (H)

Leptothyrium Kunze 1823, anamorphic

Microthyrium Desm. 1841 (C)

Xenogliocladiopsis Crous & W.B. Kendr. 1994, anamorphic *Arnaudiella* Petr. 1927 (H)

Zalerion R.T. Moore & Meyers 196, anamorphic *Microthyrium* Desm. 1841 (H)

Parmulariaceae E. Müll. & Arx ex M.E. Barr

Excipulariopsis P.M. Kirk & Spooner 1982, anamorphic *Kentingia* Sivan. & W.H. Hsieh 1989 (H)

?*Melanoplaca* Syd. & P. Syd. 1917, anamorphic *Dothidasteroma* Höhn. 1909 (C)

Placomelan Cif. 1962, anamorphic *Dothidasteroma* Höhn. 1909 (C)

Parodiellaceae Theiss. & H. Syd. ex M.E. Barr

?*Ascochytopsis* Henn. 1905, anamorphic *Parodiella* Speg. 1880 (C)

Parodiopsidaceae Toro

?*Chuppia* Deighton 1965, anamorphic *Neoparodia* Petr. & Cif. 1932 (H)

Cicinnobella Henn. 1904, anamorphic *Perisporiopsis* Henn. 1904 (as *Phaeodimeriella* Speg. 1908) and *Dimerium* (Sacc. & P. Syd.) Sacc. & D. Sacc. 1905 (C)

Clasterosporium Schwein. 1832, anamorphic *Balladyna* Racib. 1900 (H)

Heterosporiopsis Petr. 1950, anamorphic '*Dimerium*' (Sacc. & P. Syd.) Sacc. & D. Sacc. 1905, *Exosporinella* Bender 1932, possibly anamorphic *Parodiellina* Henn. ex G. Arnaud 1918 (H)

?*Ophiotrichum* Kunze 1849 anamorphic *Leptomeliola* Höhn. 1919 (H)

Sarcinella-like, anamorphic *Neoparodia* Petr. & Cif. 1932 (H)

Septoidium G. Arnaud 1921, anamorphic *Alina* Racib. 1909, *Perisporiopsis* Henn. 1904, *Parodiellina* Henn. ex G. Arnaud 1918, *Chevalieropsis* G. Arnaud 1923, *Ophioparodia* Petr. & Cif. 1932 and *Pilgeriella* Henn. 1900 (H)

Shivamyces Hosag. 2004, anamorphic *Alina* Racib. 1909 (H)

Tretospora M.B. Ellis 1976, anamorphic *Balladyna* Racib. and *Balladynopsis*

Theiss. & Syd. (H)

Planistromellaceae M.E. Barr

- Aposphaeria*-like, anamorphic *Microcylus* Sacc., Syd. & P. Syd. 1904 (C)
Fusicladium Bonord. 1851, anamorphic *Microcylus* Sacc., Syd. & P. Syd. 1904 (H)
Hyphospora A.W. Ramaley 1996, anamorphic *Comminutispora* A.W. Ramaley 1996 (H)
Kellermania Ellis & Everh. 1885, anamorphic *Planistroma* A.W. Ramaley 1991 (C)
Lecanosticta Syd. 1922, anamorphic *Eruptio* M.E. Barr 1996 (C)
Pazschkeella Syd. & P. Syd. 1901, anamorphic *Microcylus* Sacc., Syd. & P. Syd. 1904 (C)
Piptarthron Mont. ex Höhn. 1918, anamorphic *Planistroma* A.W. Ramaley 1991 (C)

Polystomellaceae Theiss. & H. Syd.

- Asteromella* Pass. & Thüm. 1880 (as *Stictochorella* Höhn. 1917), anamorphic *Dothidella* Speg. 1880 (C)
Lasmenia Speg. 1886, anamorphic *Munkiella* Speg. 1885 (C)

Pseudoperisporiaceae Toro

- Chaetosticta* Petr. & Syd. 1925, anamorphic *Lasiostemma* Theiss., Syd. & P. Syd. 1917 and ?*Nematostoma* Syd. & P. Syd. 1914 (C)

Schizothyriaceae Höhn. ex Trotter, Sacc., D. Sacc. & Traverso

- Plenotrichaius* Bat. & Valle 1961, anamorphic *Mycerema* Bat., J.L. Bezerra & Cavalc 1963 (C)
Zygophiala E.W. Mason 1945, anamorphic *Schizothyrium* Desm. 1849 (H)

Tubeufiaceae M.E. Barr

- ?*Annelospermosporella* P.R. Johnst. 1999, anamorphic *Malacaria* Syd. 1930 (H)
Aquaphila Goh, K.D. Hyde & W.H. Ho 1998, anamorphic *Tubeufia* Penz. & Sacc. 1898 (H)*

Araneomyces Höhn. 1909, anamorphic *Paranectriella* (P. Henn. & Sacc.) Höhn. (H)

Chionomyces Deighton & Piroz. 1972, anamorphic *Melioliphila* Speg. 1924 (H)

Corynespora Güssow 1906, anamorphic *Chaetosphaerulina* I. Hino 1938 (H)

Eriomycopsis Speg. 1910, anamorphic *Melioliphila* Speg. 1924 and *Byssocallis* Syd. 1927 (H)

Guelichia Speg. 1886, anamorphic *Puttemansia* Henn. 1902 (H)

Helicoma Corda 1837, anamorphic *Tubeufia* Penz. & Sacc. 1898, *Thaxteriella* Petr. 1924 and *Chlamydotubeufia* Boonmee & K.D. Hyde 2011 (H)*

Helicoön Morgan 1892 (H)*

Helicomycetes Link 1809, anamorphic *Acanthostigma* De Not. (1863) (H)*

Helicosporium Nees 1816, anamorphic *Acanthostigma* De Not. (1863) and *Tubeufia* Penz. & Sacc. 1898 (H)

Kamalomyces R.K. Verma, N. Sharma & Soni 2008 (C)

Mirandina G. Arnaud ex Matsush. 1975, anamorphic *Taphrophila* Scheuer 1988 (H)*

Monodictys S. Hughes 1958, anamorphic *Tubeufia* Penz. & Sacc. 1898 (H)

Monodictys-like, anamorphic *Tubeufia* Penz. & Sacc. 1898 (H)

Moorella P. Rag. Rao & D. Rao 1964, anamorphic *Chaetosphaerulina* I. Hino 1938 (H)

Pendulispora M.B. Ellis 1961, anamorphic *Tubeufia* Penz. & Sacc. 1898 (H)

Peziotrichum (Sacc.) Lindau 1900, anamorphic *Podonectria* Petch 1921 (H)

Spermatoloncha Speg. 1908 (H)

Tetracrium Henn. 1902, anamorphic *Puttemansia* Henn. 1902 and *Podonectria* Petch 1921 (H)

Titaea Sacc. 1876, anamorphic *Paranectriella* (Henn. ex Sacc. & D. Sacc.) Höhn. 1910 and *Puttemansia* Henn. 1902 (H)

Xenosporium Penz. & Sacc. 1901, anamorphic *Acanthostigmella* Höhn. 1905 and *Chaetosphaerulina* I. Hino 1938 (as

Thaxteriellopsis Sivan., Panwar & S.J. Kaur 1977) (H)

Vizellaceae H.J. Swart

Chrysogloeum Petr. 1959, anamorphic

Blasdalea Sacc. & P. Syd. 1902 (C)

Manginula G. Arnaud 1918, anamorphic

Vizella Sacc. 1883 (C)

Dothideomycetes, genera *incertae sedis*

Acroclymma Alcorn & J.A.G. Irwin (1987), anamorphic *Massarina*, however *Massarina* has been shown to be polyphyletic and its placement is therefore presently unclear (C)

Ampullifera Deighton 1960, anamorphic *Teratoschaeta* Bat. & O.M. Fonseca (H)

Ascochyta-like, anamorphic *Gilletiella* Sacc. & P. Syd. 1899 (C)

Asteromella Pass. & Thüm. 1880 (C)

Bactrodesmium Cooke 1883, anamorphic *Stuartella* Fabre 1879 (H)

Brachyconidiella R.F. Castañeda & W.B. Kendr. 1990 (H)

Camarosporula Petr. 1954, anamorphic *Anthracostroma* Petr. 1954 (C)

Chaetasbolisia Speg. 1918, anamorphic *Pseudomorfea* Punith. 1981 (C)

Cladoriella Crous 2006 (H)

Coniosporium Link 1809 (H)

Coronospora M.B. Ellis 1971, anamorphic *Ascocoronospora* Matsush. 2003 (H)

Cryomyces Selbmann, de Hoog, Mazzaglia, Friedmann & Onofri 2005 (H)

?*Cyclothyrium* Petr. 1923, anamorphic *Thyridaria* Sacc. 1875 (C)

Dendryphiopsis S. Hughes 1953, anamorphic *Kirschsteiniethelia* D. Hawksw. 1985 (H)

Diederichia D. Hawksw. 2003 (C)

Dilophospora Desm. 1840, anamorphic *Lidophia* J. Walker & B. Sutton 1974 (C)

Diplodia-like, anamorphic *Otthia* Nitschke ex Fuckel 1870 (C)

Disculina Höhn. 1916 (C)

Funbolia Crous & Seifert 2011 (H)

Hansfordiellopsis Deighton 1960, anamorphic *Koordersiella* Höhn. 1909 (H)

Helicodendron Peyronel 1918, anamorphic *Tyrannosorus* Unter. & Malloch 1995 (H)

Hiospira R.T. Moore 1962, anamorphic *Brooksia* Hansf. 1956 (H)

Iledon Samuels & J.D. Rogers 1986, anamorphic *Botryohypoxylon* Samuels & J.D. Rogers 1986 (C)

Megaloseptoria Naumov 1925 (C)

Mirandina G. Arnaud ex Matsush. 1975, anamorphic *Chaetonectrioides* Matsush. 1996 (H)

Monodictys S. Hughes 1958 (H)

Peltaster Syd. & P. Syd. 1917 (C)

Phaeothecoidiella Batzer & Crous 2010 (H)

Phaneroococcus Cif. 1954, anamorphic *Koordersiella* Höhn. 1909 (C)

Phialophora-like, anamorphic *Tirisporella* E.B.G. Jones, K.D. Hyde & Alias 1996 (H)

Phoma-like, anamorphic *Tremateia* Kohlm., Volkm.-Kohlm. & O.E. Erikss. 1995 (C)

Placosphaeria (De Not.) Sacc. 1880 (C)

Plectopycnis Bat. & A.F. Vital 1959 (C)

Pleurostromella Petr. 1922, anamorphic *Gibberidea* Fuckel 1870 (C)

Pseudorobillarda M. Morelet 1968 (C)

Pycnopleiospora C.Z. Wei, Y. Harada & Katum. 1997, anamorphic *Pseudodidymella* C.Z. Wei, Y. Harada & Katum. 1997 (H)

Rhizopycnis D.F. Farr 1998 (C)

Scleroconidioma Tsuneda, Currah & Thormann 2000 (H)

Septoriella Oudem. 1889 (C)

Troposporella P. Karst. 1892 (H)

Class Eurotiomycetes Tehler ex O.E. Eriksson & K. Winka

Subclass Chaetothyriomycetidae Doweld

Chaetothyriales M.E. Barr

Chaetothyriaceae Hansf. ex M.E. Barr

?*Ciferrioxypium* Bat. & H. Maia 1963, anamorphic *Aithaloderma* P. Syd. (H)*

Cyphellophora G.A. de Vries 1962 (H)

Leptoxypium Speg. 1918, anamorphic *Aithaloderma* P. Syd. 1913 (H)*

Merismella Syd. 1927, anamorphic *Chaet-*

- othyrium* Speg. 1888 (C)
Stanhughesia Constant. 1989, anamorphic
Ceramothyrium Bat. & H. Maia 1956
 (H)
Tripospermum Speg. 1918, anamorphic
Phragmocapnias Theiss. & Syd. 1918,
Trichomerium Speg. 1918 and *Tripo-*
sporiopsis W. Yamam. 1955 (H)*
Vonarxia Bat. 1960 (H)

Herpotrichiellaceae Munk

- Brycekendrickomyces* Crous & M.J.
 Wingf. 2009 (H)
Cladophialophora Borelli 1980, anamor-
 phic *Capronia* Sacc. 1883 (H)
Exophiala J.W. Carmich. 1966, anamor-
 phic *Capronia* Sacc. 1883 (H)
Fonsecaea Negroni 1936, anamorphic
Capronia Sacc. 1883 (H)
Metulocladosporiella Crous, Schroers, J.Z.
 Groenew., U. Braun & K. Schub. 2006
 (H)
Nadsoniella Issatsch. 1914 (H)
Phaeococcomyces de Hoog 1979 (H)
Phaeoramularia Munt.-Cvetk. 1960, ana-
 morphic *Capronia* Sacc. 1883 (H)
Phialophora Medlar 1915 (H)
Racodium Pers. 1794, anamorphic *Capro-*
nia Sacc. 1883 (H)
Rhinoclediella Nannf. 1934, anamorphic
Capronia Sacc. 1883 (H)
Sorocybe Fr. 1849 (H)
Thysanorea Arzanlou, W. Gams & Crous
 2007 (H)
Veronaea Cif. & Montemart. 1957 (H)

Chaetothyriales M.E. Barr, genera *incertae sedis*

- Coniosporium* Link 1809, the type species
 is considered as *Sirodesmium* De Not.
 1849 (H)
Phaeoannellomyces McGinnis & Schell
 1985 (H)(= *Hortaea*)
Staninwardia B. Sutton 1971 (C)
Strelitziana Arzanlou & Crous 2006 (H)

Pyrenulales, genera *incertae sedis*

- Lyromma* Bat. & H. Maia 1965 (C)

Chaetothyriomycetidae, families *incertae sedis*

Rhynchostomataceae Winka & O. E. Erikss.

- Arthropycnis* Constant. 1992, anamorphic
Rhynchostoma P. Karst. (C)

Strigulaceae Zahlbr.

- Discosiella* Syd. & P. Syd. 1912, anamor-
 phic *Strigula* Fr. 1823 (C)

Chaetothyriomycetidae, genera *incertae sedis*

- Peyronelia* Cif. & Gonz. Frag. 1927, ana-
 morphic *Glyphium* Nitschke ex F.
 Lehm. 1886 (H)
Phaeomoniella Crous & W. Gams 2000
 (H)
Rhabdospora-like, anamorphic *Dolabra* C.
 Booth & W.P. Ting 1964 (C)
Taeniolella S. Hughes 1958, anamorphic
Glyphium Nitschke ex F. Lehm. 1886
 (H)

Subclass Eurotiomycetidae Geiser & Lutzoni

Corneliales Seaver & Chardon

Corneliaceae Sacc. ex Berl. & Voglino

- Exophiala* J.W. Carmich. 1966, anamor-
 phic *Bicornispora* Checa, Barrasa,
 M.N. Blanco & A.T. Martínez 1996 (H)

Eurotiales G.W. Martin ex Benny & Kimbr.

Monascaceae J. Schröt.

- Basipetospora* G.T. Cole & W.B. Kendr.
 1968, anamorphic *Monascus* Tiegh.
 1884 (H)
Fraseriella Cif. & A.M. Corte 1957, ana-
 morphic *Xeromyces* Fraser (H)

Trichocomaceae E. Fisch.

- Aspergillus* P. Micheli ex Link 1809,
 anamorphic *Dichlaena* Durieu & Mont.
 1849, *Emericella* Berk. & Broome
 1857, *Eurotium* Link 1809, *Fennellia*
 B.J. Wiley & E.G. Simmons 1973,
Hemicarpenoteles A.K. Sarbhoy &
 Elphick 1968, *Neopetromyces* Frisvad
 & Samson 2000, *Neosartorya* Malloch
 & Cain 1973, *Petromyces* Malloch &
 Cain 1973 and *Warcupiella* Subram.
 1972 (H)*
Geosmithia J.Pitt 1979, anamorphic, *Chro-*
mocleista Yaguchi & Udagawa 1993
 and *Talaromyces* C.R. Benj. 1955 (H)
Isaria Pers. 1794, anamorphic *Byssochla-*
mys Westling (H)

- Merimbla* Pitt 1979, anamorphic *Talaromyces* C.R. Benj. 1955 (H)
Paecilomyces Bainier 1907, anamorphic *Byssochlamys* Westling 1909 and *Talaromyces* C.R. Benj. 1955 (H)
Paecilomyces-like, anamorphic *Coonemeria* Mouch. 1997 (H)
Penicillium Link 1809, anamorphic *Eupeenicillium* F. Ludw. 1892, *Talaromyces* C.R. Benj. 1955, *Dichlaena* Durieu & Mont. 1849 and *Trichocoma* Jungh. 1838 (H)
Phialosimplex Sigler, Deanna A. Sutton, Gibas, Summerb. & Iwen 2010 (H)
Polypaecilum G. Sm. 1961, anamorphic *Dactylomyces* Sopp 1912, *Dichotomomyces* Saito ex D.B.Scott 1970 and *Thermoascus* Miehe 1907 (H)
Pseudocordyceps Hauman 1936, anamorphic *Penicilliosis* Solms 1887 (H)
Sagenomella W. Gams 1978, anamorphic *Sagenoma* Stolk & G.F. Orr 1974 and *Talaromyces* C.R. Benj. 1955 (H)
Sarophorum Syd. & P. Syd. 1916, anamorphic *Penicilliosis* Solms 1887 (H)
Stilbodendron Syd. & P. Syd. 1916, anamorphic *Penicilliosis* Solms 1887 (H)
Stilbothamnium Henn. 1896 (H)
Thermomyces Tsikl. 1899 (H)
Thysanophora W.B. Kendr. 1961 (H)
Torulomyces Delitsch 1943, anamorphic *Eupeenicillium* F. Ludw. 1892 (H)

Eurotiomycetidae genera *incertae sedis*

- Penicillium* Link 1809, anamorphic *Paratalaromyces* Matsush. 2003 (H)

Onygenales Cif. ex Benny & Kimbr.

- Ajellomycetaceae*** Untereiner, J.A. Scott & Sigler
Blastomyces Gilchrist & W.R. Stokes 1898, anamorphic *Ajellomyces* McDonough & A.L. Lewis 1968 (H)
Chryso sporium Corda 1833, anamorphic *Ajellomyces* McDonough & A.L. Lewis 1968 (H)
Emmonsia Cif. & Montemart. 1959, anamorphic *Ajellomyces* McDonough & A.L. Lewis 1968 (H)
Histoplasma Darling 1906, anamorphic *Ajellomyces* McDonough & A.L. Lewis 1968 (H)

- Lacazia* Taborda, V.A. Taborda & McGinnis 1999 (H)
Paracoccidioides F.P. Almeida 1930 (H)

Arachnomycetaceae Gibas, Sigler & Currah

- Onychocola* Sigler 1990, anamorphic *Arachnomycetes* Masee & E.S. Salmon 1902 (H)

Gymnoascaceae Baran.

- Chryso sporium*-like, anamorphic *Oromyces* B. Sur & G.R. Ghosh 1987 (H)
Malbranchea Sacc. 1882, anamorphic *Byssoonygena* Guarro, Punsola & Cano 1987 and *Gymnoascus* Baran. 1872 (H)
Oncocladium Wallr. 1833, anamorphic *Gymnoascus* Baran. 1872 (H)

Onygenaceae Berk.

- ?*Arthrographis* G. Cochet ex Sigler & J.W. Carmich. 1976, anamorphic *Arachnotheca* Arx 1971 (H)
Chryso sporium Corda 1833 anamorphic *Amauroascus* J. Schröt., *Aphanoascus* Zukal 1890, *Apinisia* La Touche 1968, *Arachnotheca* Arx 1971, *Nannizziopsis* Currah 1985, ?*Polytolypa* J.A. Scott & Malloch 1993, *Pectinotrichum* Varsavsky & G.F. Orr 1971, ?*Renispora* Sigler & J.W. Carmich. 1979 (H)
Coccidioides G.W. Stiles 1896 (H)
Malbranchea Sacc. 1882, anamorphic *Auxarthron* G.F. Orr & Kuehn 1963, *Byssoonygena* Guarro, Punsola & Cano 1987 and *Uncinocarpus* Sigler & G.F. Orr 1976 (H)
Myriodontium Samson & Polon. 1978, anamorphic *Neoarachnotheca* Ulfig, Cano & Guarro 1997 (H)
Sporendonema Desm. 1827, anamorphic *Onygena* Pers. 1800 (H)

Arthrodermataceae Currah

- Chryso sporium* Corda 1833, anamorphic *Shanorella* R.K. Benj. 1956, *Arthroderma* Curr. 1860 and *Ctenomyces* Eidam 1880 (H)
Chryso sporium Corda 1833, anamorphic *Epidermophyton* Sabour. 1907 (H)
Microsporium Gruby 1843, anamorphic *Nannizzia* Stockdale 1961 and *Arthroderma* Curr. 1860 (H)

Myceliophthora Costantin 1892, anamorphic *Arthroderma* Curr. 1860
Trichophyton Malmsten 1848, anamorphic *Arthroderma* Curr. 1860 (H)

Ascospaeraceae L.S. Olive & Spiltoir
Chrysosporium-like, anamorphic *Ascospaera* L.S. Olive & Spiltoir 1955 and *Bettsia* Skou 1972 (H)

Onygenales, genera *incertae sedis*
Arthrospis Sigler, M.T. Dunn & J.W. Carmich. 1982 (H)
Lacazia Taborda, V.A. Taborda & McGinnis 1999 (H)

Subclass Mycocaliciomycetidae Tibell
Mycocaliciales Tibell & Wedin
Mycocaliciaceae A.F.W. Schmid
Asterophoma D. Hawksw. 1981, anamorphic *Chaenothecopsis* Vain. 1927 (C)
Catenomyces Tibell & Constant. 1991, anamorphic *Chaenothecopsis* Vain. 1927 (H)
Phialophora-like, anamorphic *Chaenothecopsis* Vain. 1927 and *Mycocalicium* Vain. 1890 (H)

Class Laboulbeniomycetes Engler
Laboulbeniales Engler
Coreomycetopsis Thaxt. 1920 (H)
Muiriaria Thaxt. 1914 (H)
Tetrameronycha Speg. ex W. Rossi & M. Blackw. 1990 (H)

Pyxidiophorales P.F. Cannon
Pyxidiophoraceae Arnold
Chalara (Corda) Rabenh. 1844 anamorphic *Pyxidiophora* Bref. & Tavel 1891 (H)*
Gliocephalis Matr. 1899 (H)
Pleurocatena G. Arnaud ex Aramb., Gamundí, W. Gams & G.R.W. Arnold 2007, anamorphic *Pyxidiophora* Bref. & Tavel 1891 (H)
Thaxteriola Speg. 1918, anamorphic *Pyxidiophora* Bref. & Tavel 1891 (H)

Class Lecanoromycetes O.E. Erikss. & Winka
Subclass Ostropomycetidae Reeb, Lutzoni & Cl. Roux

Agyriales Clem. & Shear
Trapeliaceae M. Choisy ex Hertel
Epithyrium (Sacc.) Trotter 1931, anamorphic *Sarea* Fr. 1825 (C)
Pycnidiella Höhn. 1915, anamorphic *Sarea* Fr. 1825 (C)

Ostropales Nannf.
Odontotremataceae D. Hawksw. & Sherwood
Pycnidial anamorph associated with *Claviradulomyces* P.R. Johnst., D.C. Park, H.C. Evans, R.W. Barreto & D.J. Soares 2010

Stictidaceae Fr.
? *Coleophoma*-like, anamorphic *Stictophaacidium* Rehm 1888 (C)
? *Ebollia* Minter & Caine 1980, anamorphic *Stictophaacidium* Rehm 1888 (C)
Phacidiella-like, anamorphic *Acarosporina* Sherwood 1977 (C)
Stictospora Cif. 1957, anamorphic *Stictis* Pers. 1800 (C)

Ostropales, genera *incertae sedis*
Glomerobolus Kohlm. & Volkm.-Kohlm. 1996 (H)

Subclass Lecanoromycetidae P.M. Kirk, P.F. Cannon, J.C. David & Stalpers ex Miadl., Lutzoni & Lumbsch
Lecanorales Nannf.
Pilocarpaceae Zahlbr.
Pyriomyces Bat. & H. Maia 1965, anamorphic *Byssoloma* Trevis. 1853 (C)
Szczawinskia A. Funk 1984 (C)

Stereocaulaceae Chevall.
Lepraria Ach. 1803 (C)

Lecanorales, genera *incertae sedis*
Leprocaulon Nyl. 1878 (C)
Vouauxiomyces Dyko & D. Hawks. 1979, anamorphic *Abrothallus* De Not. 1845 (C)

Class Leotiomycetes O.E. Erikss. & Winka
Cyttariales Luttr. ex Gamundí
Cyttariaceae Speg.
Cytariella Palm 1932, anamorphic *Cytta-*

ria Berk. 1842 (C)

Erysiphales Gwynne-Vaughan

Erysiphaceae Tul. & C. Tul.

Oidiopsis Scalia 1902, anamorphic *Leveil-
lula* G. Arnaud 1921 (H)

Oidium Link 1824, anamorphic *Arthro-
cladiella* Vassilkov 1960, *Blumeria*
Golovin ex Speer 1975, *Brasiliomyces*
Viégas 1944, *Cystotheca* Berk. & M.A.
Curtis 1860, *Erysiphe* R. Hedw. ex DC.
1805, *Golovinomyces* (U. Braun) V.P.
Gelyuta 1988, *Medusosphaera* Golovin
& Gamalitzk. 1962, *Microsphaera* Lév.
1851, U. Braun 1999, *Podosphaera*
Kunze 1823, *Sawadaea* Miyabe 1914,
Sphaerotheca Lév. 1851, *Uncinula* Lév.
1851 and *Uncinuliella* R.Y. Zheng &
G.Q. Chen 1979 (H)

Ovulariopsis Pat. & Har. 1900, ana-
morphic *Phyllactinia* Lév. 1851 (H)

Streptopodium R.Y. Zheng & G.Q. Chen
1978, anamorphic *Pleochaeta* Sacc. &
Speg. 1881 and *Phyllactinia* Lév. 1851
(H)

Helotiales Nannf.

Bulgariaceae Fr.

Crinula Fr. 1821, anamorphic *Holwaya*
Sacc. 1889 (H)

Endomelaconium Petr. 1940, anamorphic
Bulgaria Fr. 1822 (C)

Dermateaceae Fr.

Anguillospora Ingold 1942, anamorphic
Mollisia (Fr.) P. Karst. 1871 (H)

Cadophora Lagerb. & Melin 1927, ana-
morphic *Mollisia* (Fr.) P. Karst. 1871,
Pyrenopeziza Fuckel 1870 and *Pseud-
opezizula* Korf 1975 (H)

Cadophora-like, anamorphic *Phaeomol-
lisia* T.N. Sieber & Grünig 2009 (H)

Casaresia Gonz. Frag. 1920, anamorphic
Mollisia (Fr.) P. Karst. 1871 (H)

Chondropodium-like, anamorphic *Walto-
nia* Saho 1970 (C)

Corniculariella P. Karst. 1884, ana-
morphic *Dermea* Fr. 1825 and *Durandiella*
Seaver 1932 (C)

Cryptocline Petr. 1924, anamorphic
Trochila Fr. 1849 (C)

Cryptosporiopsis Bubák & Kabát 1912,
anamorphic *Neofabraea* H.S. Jacks.

1913, *Pezizula* Tul. & C. Tul. 1865 and
Ocellaria (Tul. & C. Tul.) P. Karst.
1871 (C)

Cryptosymmodula Verkley 1999, ana-
morphic *Scleropezizula* Verkley 1999 (C)

Cylindrocolla Bonord. 1851, anamorphic
Calloria Fr. 1836 (H)

Cylindrosporium Grev. 1822, anamorphic
Pyrenopeziza Fuckel 1870 (C)

Cystodendron Bubák 1914, anamorphic
Mollisia (Fr.) P. Karst. 1871 *Belonopsis*
(Sacc.) Rehm 1891 and *Niptera* Fr.
1849 (H)

Diplosporionema Höhn. 1917, anamorphic
Pyrenopeziza Fuckel 1917 (C)

Discogloeum Petr. 1923, anamorphic
Spilopodia Boud. 1885 (C)

Entomosporium Lév. 1856, anamorphic
Diplocarpon F.A. Wolf 1912 (C)

Eriosporella Höhn. 1916, possibly ana-
morphic *Laetinaevia* Nannf. 1932 (C)

Foveostroma DiCosmo 1978, anamorphic
Dermea Fr. 1825 (C)

Gelatinosporium Peck 1873, anamorphic
Dermea Fr. 1825 and *Durandiella*
Seaver 1932 (C)

Glearea Bills & Paláez 1999 (H)

Gloeosporidiella Petr. 1921, anamorphic
Drepanopeziza (Kleb.) Höhn. 1917 and
Pseudopeziza Fuckel 1870 (C)

Hainesia Ellis & Sacc. 1884, anamorphic
Discohainesia Nannf. 1932 (C)

Helicodendron Peyronel 1918, anamorphic
Mollisia (Fr.) P. Karst. 1871 (H)

Laetinaevia Nannf. 1932, anamorphic
Naeviopsis B. Hein 1976 (C)

Marssonina Magnus 1906, anamorphic
Diplocarpon F.A. Wolf 1912 &
Drepanopeziza (Kleb.) Höhn. 1917 (C)

Melanodiscus Höhn. 1918, anamorphic
Spilopodia Boud. 1885 (H)

Microgloeum Petr. 1922, anamorphic
Blumeriella Arx 1961 (C)

Monostichella Höhn. 1916, anamorphic
Drepanopeziza (Kleb.) Höhn. 1917 (C)

Myrioconium Syd. & P. Syd. 1912, ana-
morphic *Dibeloniella* Nannf. 1932 (H)

Phacidiella P. Karst. 1884, anamorphic
Pyrenopeziza Fuckel 1870 (C)

Phialocephala W.B. Kendr. 1961
anamorphic *Phaeomollisia* T.N. Sieber
& Grünig 2009 (H)

Phialocephala-like, anamorphic *Phaeomollisia* T.N. Sieber & Grünig 2009 (H)

Phialophora-like, anamorphic *Dibeloniella* Nannf. 1932 (H)

Phloeosporella Höhn. 1924, anamorphic *Blumeriella* Arx 1961 (C)

Phlyctema Desm. 1847, anamorphic *Neofabraea* H.S. Jacks. 1913 (C)

Pilidium Kunze 1823, anamorphic *Discohainesia* Nannf. 1932 (C)

Rhynchosporium Heinsen ex A.B. Frank 1897 (H)*

?*Sporonema* Desm. 1847, anamorphic *Leptotrochila* P. Karst. 1871 (C)

Trichosporiella Kamyschko 1960, anamorphic *Laetinaevia* Nannf. 1932 (H)

Trimmatostroma Corda 1837 (H)

Xenochalara M.J. Wingf. & Crous 2000 (H)

***Helotiaceae* Rehm**

Alatospora Ingold 1942 (H)

Anguillospora Ingold 1942, anamorphic *Hymenoscyphus* Gray 1821 (H)

Articulospora Ingold 1942, anamorphic *Hymenoscyphus* Gray 1821 (H)

Ascoconidium Seaver 1942, anamorphic *Sageria* A. Funk 1975 (H)

Aureohyphozyma Hosoya & Y. Otani 1995 anamorph of *Gelatinipulvinella* Hosoya & Y. Otani (Hosoya & Y. Otani 1995) (H)

Bloxamia Berk. & Broome 1854, anamorphic *Bisporella* Sacc. 1884 (H)

Bothrodiscus Shear 1907, anamorphic *Ascocalyx* Naumov 1926 (C)

Brunchorstia Erikss. 1891, anamorphic *Gremmeniella* M. Morelet 1969 (C)

?*Bryophytomyces* Cif. 1953, anamorphic *Hymenoscyphus* Gray 1821 (H)

Cercosporella Sacc. 1880, anamorphic *Heterosphaeria* Grev. 1824 (H)

Coryne Nees 1816, anamorphic *Ascocoryne* J.W. Groves & D.E. Wilson 1967 (H)

Cystodendron Bubák 1914, anamorphic *Bisporella* Sacc. 1884 (H)

?*Cystotricha* Berk. & Broome 1850, anamorphic *Xylogramma* Wallr. 1833 (C)

Deltosperma W.Y. Zhuang 1988, anamorphic *Unguiculariopsis* Rehm 1909

(C)

Dendrostilbella Höhn. 1905, anamorphic *Claussenomyces* Kirschst. 1923 (H)

Dichaenopsella Petr. 1952, type is anamorphic *Godroniopsis* Diehl & E.K. Cash 1929 (C)

Digitosporium Gremmen 1953, anamorphic *Crumenulopsis* J.W. Groves 1969 (C)

Dimorphospora Tubaki 1958, anamorphic *Hymenoscyphus* Gray 1821 (H)

Dothiorina Höhn. 1911, anamorphic *Chlorociboria* Seaver ex Ramamurthi, Korf & L.R. Batra 1958 (C)

Endomelaconium Petr. 1940, anamorphic *Austrocenangium* Gamundí 1997 (C)

Eriomycopsis Speg. 1910, anamorphic *Calloriopsis* Syd. & P. Syd. 1917 (H)

Eustilbum Rabenh. 1864, anamorphic *Bisporella* Sacc. 1884 (H)

Fuckelia Bonord. 1864, anamorphic *Godronia* Moug. & Lév. 1846 (C)

Geniculospora Sv. Nilsson ex Marvanová & Sv. Nilsson 1971, anamorphic *Hymenoscyphus* Gray 1821 (H)

Gliomastix Guég. 1905 anamorphic *Ascoclavulina* Y. Otani 1974 (H)*

Heteropatella Fuckel 1874, anamorphic *Heterosphaeria* Grev. 1824 (C)

Hormonema-like, anamorphic *Pragmopora* A. Massal 1855 (H)

Idriella P.E. Nelson & S. Wilh. 1956, anamorphic *Hymenoscyphus* Gray 1821 (H)

Linodochium Höhn. 1909, anamorphic *Pseudohelotium* Fuckel 1870 (H)

Monodictys S. Hughes 1958 anamorphic *Hymenoscyphus* Gray 1821 (H)

Periperidium Darker 1963, anamorphic *Micraspis* Darker 1963 (C)

Phialophora-like, anamorphic *Pseudopezizula* Korf 1975 (H)

Pragmopycnis B. Sutton & A. Funk 1975, anamorphic *Pragmopora* A. Massal 1855 (C)

?*Pseudaegerita* J.L. Crane & Schokn. 1981, anamorphic *Claussenomyces* Kirschst. 1923 (H)

Pseudospiropes M.B. Ellis 1971, anamorphic *Strossmayeria* Schulzer 1881 (H)

Rhinocladiella-like, anamorphic *Bioscypha* Syd. 1927 (H)
Rhizothyrium Naumov 1915, anamorphic
Rhizocalyx Petr. 1928 (C)
Scytalidium Pesante 1957 anamorphic
Hymenoscyphus Gray 1821 (H)
Sirodothis Clem. 1909, anamorphic *Tympanis* Tode 1790 (C)
Sporonema Desm. 1847, anamorphic *Godronia* Moug. & Lév. 1846 (C)
Symphysirella Seifert 2009, anamorphic
Symphysirinia E.A. Ellis 1956 (H)
Titaeospora Bubák 1916, anamorphic
Stamnaria Fuckel 1870 (C)
Topospora Fr. 1836, anamorphic *Godronia* Moug. & Lév. 1846 (C)
Tricladium Ingold 1942, anamorphic
Cudoniella Sacc. 1889 and *Hymenoscyphus* Gray 1821 (H)
Varicosporium W. Kegel 1906, anamorphic
Hymenoscyphus Gray 1821 (H)

Hemiphacidiaceae Korf

Meria Vuill. 1896, anamorphic *Rhabdocline* Syd. 1922 (H)
Rhabdogloeum Syd. 1922, anamorphic
Rhabdocline Syd. 1922 (C)
Rhabdogloeopsis Petr. 1925, anamorphic
Sarcotrochila Höhn. 1917 (C)

Hyaloscyphaceae Nannf.

Acleistia Bayl. Ell. (1917) anamorphic
Calycina Nees ex Gray 1821 (C)
Brefeldochium Verkley 2005, anamorphic
Polydesmia Boud. 1885 (H)
Chaetochalara B. Sutton & Piroz. 1965 (H)
Chalara (Corda) Rabenh. 1844, anamorphic
Calycellina Höhn., *Phaeoscypha* Spooner 1984 and *Tapesina* Lambotte 1887 (H)*
Cheiromycella Höhn. 1910, anamorphic
Hyaloscypha Boud. 1885 (H)
Clathrosphaerina Beverw. 1951, anamorphic
Hyaloscypha Boud. 1885 (H)
Haplographium Berk. & Broome 1859, anamorphic
Dematioscypha Svrček 1977 (H)
Mycarthris Marvanová & P.J. Fisher 2002 (H)

Naemospora Roth ex Kuntze 1898, possibly anamorphic
Lachnellula P. Karst. 1884 (C)

Phialophora-like, anamorphic *Cistella* Quél. and *Hyalopeziza* Fuckel 1870 (H)

Pseudaegerita J.L. Crane & Schokn. 1981, anamorphic
Hyaloscypha Boud. 1885 (H)

Septonema-like, anamorphic *Ciliolarina* Svrcek 1977 (H)

Tricladium Ingold 1942, anamorphic
Hydrocina Scheuer 1991 (H)

Leotiaceae Corda

Anguillospora Ingold 1942, anamorphic
Pezoloma Clem. 1909 (H)

Aureohyphozyma Hosoya & Y. Otani 1995, anamorphic
Gelatinipulvinella Hosoya & Y. Otani 1995 (H)

Halenospora E.B.G. Jones 2009 (H)

Myrioconium-like, anamorphic *Neobulgaria* Petr. 1921 (H)

Phialophora-like, anamorphic *Neobulgaria* Petr. 1921 (H)

Loramycetaceae Dennis ex Digby & Goos

Anguillospora Ingold 1942, anamorphic
Loramycetes W. Weston 1929 (H)

Phacidiaceae Fr.

Allantophomopsis Petr. 1925, anamorphic
Phacidium Fr. 1815 (C)

Apostrasseria Nag Raj 1983, anamorphic
Lophophacidium Lagerb. 1949 and
Phacidium Fr. 1815 (C)

Blennoria Moug. & Fr. 1825, anamorphic
Phacidium Fr. 1815 (C)

Ceuthospora Grev. 1826, anamorphic
Phacidium Fr. 1815 (C)

?*Coma* Nag Raj & W.B. Kendr. 1972, anamorphic
Ascocoma H.J. Swart (C)

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

Helicodendron Peyronel 1918, anamorphic
Lambertella Höhn. 1918 (H)

Myrioconium Syd. & P. Syd. 1912, ?anamorphic
Lanzia Sacc. 1884, *Rutstroemia* P. Karst. 1871, *Scleromitrlula*

S.Imai 1941, *Lambertella* Höhn. 1918 and *Poculum* Velen. 1934 (H)
Phialophora-like, anamorphic *Rutstroemia* P. Karst. 1871 (H)

Sclerotiniaceae Whetzel ex Whetzel

Acarosporium Bubák & Vleugel ex Bubák 1911, anamorphic *Pycnopeziza* W.L. White & Whetzel 1938 (C)
Amerosporium Speg. 1882, anamorphic *Zoellneria* Velen. 1934 (C)
Amphobotrys Hennebert 1973, anamorphic *Botryotinia* Whetzel 1945 (H)
Botrytis P. Micheli ex Pers. 1794, anamorphic *Botryotinia* Whetzel 1945 (H)
Cristulariella Höhn. 1916, anamorphic *Nervostroma* Narumi & Y. Harada 2006 (H)
Haradamyces Masuya, Kusunoki, Kosaka & Aikawa 2009 (H)
Hinomyces Narumi & Y. Harada 2006, anamorphic *Grovesinia* M.N. Cline, J.L. Crane & S.D. Cline 1983 (H)
Monilia Bonord. 1851, anamorphic *Monilinia* Honey 1928 and *Phaeosclerotinia* Hori 1916 (H)
Mycopappus Redhead & G.P. White 1985, anamorphic *Redheadia* Y. Suto & Suyama 2005 (H)
Myrioconium Syd. & P. Syd. 1912, anamorphic *Ciboria* Fuckel 1870, *Ciborinia* Whetzel 1945, (Fr.) P. Karst. 1871, *Martininia* Dumont & Korf 1970, *Myriosclerotinia* N.F. Buchw. 1947, *Sclerotinia* Fuckel 1870 *Stromatinia* (Boud.) Boud. 1907 and *Monilinia* Honey 1928 (H)
Ovulitis N.F. Buchw. 1970, anamorphic *Ovulinia* F.A. Weiss 1940 (H)
Sclerotium Tode 1790, anamorphic *Myriosclerotinia* N.F. Buchw. 1947, *Sclerotinia* Fuckel 1870 and *Stromatinia* (Boud.) Boud. 1907 (H)
Septotis N.F. Buchw. ex Arx 1970, anamorphic *Septotinia* Whetzel ex J.W. Groves & M.E. Elliott 1961 (H)
Streptobotrys Hennebert 1973, anamorphic *Streptotinia* Whetzel 1945 (H)
Valdensia Peyronel 1923, anamorphic *Valdensinia* Peyronel 1953 (H)

Verrucobotrys Hennebert 1973, anamorphic *Seaverinia* Whetzel 1945 (H)

Vibrisseaceae Korf

Acephala Grünig & T.N. Sieber 2005 (H)
Anavirga B. Sutton 1975, anamorphic *Vibrissea* Fr. 1822 (H)
Phialocephala W.B. Kendr. 1961, some possibly anamorphic *Vibrissea* Fr. 1822 (H)
Phialophora-like, anamorphic *Chlorovibrissea* L.M. Kohn 1989 (H)

Helotiales, genera *incertae sedis*

Catenulifera Hosoya 2002, anamorphic *Hyphodiscus* Kirschst. 1906 (H)
Chalara (Corda) Rabenh. 1844 (H)*
Clathrosporium Nawawi & Kuthub. 1987 (H)
Crucellisporium M.L. Farr 1968 (C)
Cystotricha Berk. & Broome 1850 (C)
Dactylaria Sacc. 1880 (H)
Diplococcium Grove 1885 (H)
Endoconidium Prill. & Delacr. 1891, anamorphic *Gloeotinia* M. Wilson, Noble & E.G. Gray 1954 (H)
Fontanospora Dyko 1978 (H)
Fulvoflamma Crous 2006 (H)
Glarea Bills & Paláez 1999 (H)
Helgardia Crous & W. Gams 2003, anamorphic *Oculimacula* Crous & W. Gams 2003 (H)
Humicolopsis Cabral & S. Marchand 1976 (H)
Hyalodendriella Crous 2007 (H)
Hysteropezizella Höhn. 1917 (C)
Lemonniera De Wild. 1894 (H)
Leptodontidium de Hoog 1979 (H)
Libartania Nag Raj 1979 (C)
Margaritispora Ingold 1942 (H)
Meliniomyces Hambl. & Sigler 2005 (H)
Mirandina G. Arnaud ex Matsush. 1975 (H)
Monochaetiellopsis B. Sutton & DiCosmo 1977, anamorphic *Hypnotheca* Tommerup 1970 (C)
Mycochaetophora Hara & Ogawa 1931 (H)
Neozythia Petr. 1958 (C)
Rhexocercosporidium U. Braun 1994 (H)
Rhizocladosporium Crous & U. Braun

2007 (H)

- Rhodesia* Grove 1937 (C)
Scytalidium Pesante 1957 (H)
Sphaerographium Sacc. 1884 (C)
Spirosphaera Beverw. 1953 (H)
Tetracladium De Wild. 1893 (H)
Thegonia B. Sutton 1973 (H)
Trimmatostroma Corda 1837 (H)
Variocladium Descals & Marvanová 1999 (H)
Xenopolyscytalum Crous 2011('2010') (H)

Rhytismatales M.E. Barr ex Minter

- Ascodichaenaceae** D. Hawksw. & Sherwood
Dichaenopsella Petr. 1952, anamorphic
Ascodichaena Butin 1977 (C)
Macroallantina Speer 1987, anamorphic
Delpinoia Kuntze, 1891 (C)
Polymorphum Chevall. 1822, anamorphic
Ascodichaena Butin 1977 (C)

Cryptomycetaceae Höhn.

- ?*Phacidiopycnis* Potebnia 1912, anamorphic
Potebniomyces Smerlis 1962 (C)

Rhytismataceae Chevall.

- Conostroma* Moesz 1921, anamorphic
Colpoma Wallr. 1833 (C)
Crandallia Ellis & Sacc. 1897, anamorphic
Bifusella Höhn. 1917 and
Duplicaria Fuckel 1870 (C)
Cryocaligula Minter 1986, anamorphic
Ploioderma Darker. 1967 (C)
Hysterodiscula Petr. 1942, anamorphic
Duplicaria Fuckel 1870 (C)
Leptostroma Fr. 1815, anamorphic
Lophodermium Chevall. 1826 (C)
Melasmia Lév. 1846, anamorphic
Rhytisma Fr. 1818 (C)
Tryblidiopycnis Höhn. 1918, anamorphic
Tryblidiopsis P. Karst. 1871 (C)

Rhytismatales, genera *incertae sedis*

- Fuligomyces* Morgan-Jones & Kamal 1984 (H)
Uyucamyces H.C. Evans & Minter 1985, anamorphic
Ocotomyces H.C. Evans & Minter 1985 (C)

Leotiomycetes, families *incertae sedis***Myxotrichaceae** Currah

- Geomyces* Traaen 1914, anamorphic
Pseudogymnoascus Raillo 1929 (H)
 ?*Gymnostellatospora* Udagawa, Uchiy. & Kamiya 1993, anamorphic
Pseudogymnoascus Raillo 1929 (C)
 ?*Malbranchea* Sacc. 1882, anamorphic
Myxotrichum Kunze 1823 (H)
Oidiodendron Robak 1932, anamorphic
Byssosascus Arx 1971 and *Myxotrichum* Kunze 1823 (H)

Leotiomycetes, genera *incertae sedis*

- Brachyalara* Réblová & W. Gams 2011 (H)
Chaetomella Fuckel 1870 (C)
Collophora Damm & Crous 2010 (C)
Eleutheromyces Fuckel 1870 (C)
Geniculospora Sv. Nilsson ex Marvanová & Sv. Nilsson 1971 (H)
Hypozyma de Hoog & M.T. Sm. 1981 (H)
Infundichalara Réblová & W. Gams 2011 (H)
Leohumicola N.L. Nick. 2005 (H)
Meliniomyces Hambl. & Sigler 2005 (H)
Scytalidium Pesante 1957, anamorphic
Xylogone Arx & T. Nilsson 1969 (H)
Tetrachaetum Ingold 1942 (H)
Tiarospora Höhn. 1924, anamorphic
Darkera H.S. Whitney, J. Reid & Piroz. 1975 (C)

Class Orbiliomycetes O.E. Erikss. & Baral**Orbiliales** Baral, O.E. Erikss., G. Marson & E. Weber**Orbiliaceae** Nannf.

- Anguillospora* Ingold 1942, anamorphic
 anamorphic *Orbilia* Fr. 1836 (H)
Arthrobotrys Corda 1939, anamorphic
Orbilia Fr. 1836 (H)
Brachyphoris Juan Chen, L.L. Xu, B. Liu & Xing Z. Liu 2007, anamorphic
Hyalorbilia Baral & G. Marson 2000 (H)
Dactylaria Sacc. 1880, anamorphic
Orbilia Fr. 1836 (H)
Dactylella Grove 1884, anamorphic
Orbilia Fr. 1836 (H)
Dactylellina M. Morelet 1968 (H)
Dicranidion Harkn. 1885, anamorphic
Orbilia Fr. 1836 (H)

- Drechlerella* Subram. 1964, anamorphic
Orbilina Fr. 1836 (H)
Dwayaangam Subram. 1978, anamorphic
Orbilina Fr. 1836 (H)
Gamsylella M. Scholler, Hagedorn & A.
Rubner 1999, anamorphic *Orbilina* Fr.
1836 (H)
Helicoön Morgan 1892, anamorphic
Orbilina Fr. 1836 (H)
Idriella P.E. Nelson & S. Wilh. 1956,
anamorphic *Orbilina* Fr. 1836 (H)
Monacrosporium Oudem. 1885, anamor-
phic *Orbilina* Fr. 1836 (H)
Pseudotriponidium Z.F. Yu & K.Q.
Zhang 2011, anamorphic *Orbilina* Fr.
1836 (H)*
Tricellula Beverw. 1954, anamorphic
Orbilina Fr. 1836 (H)
Tridentaria Preuss 1852 (H)
Trinacrium Riess 1852, anamorphic *Orbi-*
lina Fr. 1836 (H)

Class *Pezizomycetes* sensu O.E. Erikss. &
Winka

Pezizales J. Schröt.

Ascobolaceae Boud. ex Sacc.

- Papulospora* Preuss 1851, anamorphic
Ascobolus Pers. 1796 (H)
Papulospora-like, anamorphic *Cubonia*
Sacc. 1889 (H)
Rhizostilbella Wolk 1914, anamorphic
Ascobolus Pers. 1792 (H)

Caloscyphaceae Harmaja

- Geniculodendron* G.A. Salt 1974, anamor-
phic *Caloscypha* Boud. 1885 (H)

Chorioactidaceae Pfister

- Kumanasamuha* P.Rag. Rao & D. Rao
1964, anamorphic *Chorioactis* Kupfer
ex Eckblad 1968 (H)
Verticicladium Preuss 1851, anamorphic
Desmazierella Lib. 1829 (H)

Morchellaceae Reichenb.

- Costantinella* Matr. 1892, anamorphic
Morchella Dill. ex Pers. 1794 (H)

Pezizaceae Dumort.

- Chromelosporium* Corda 1833, anamor-

- phic *Muciturbo* P.H.B. Talbot 1989,
Peziza Dill. ex Fr. 1822 and *Plicaria*
Fuckel 1870 (H)

Glischroderma Fuckel 1870 (C)

- Oedocephalum* Preuss 1851, anamorphic
Iodophanus Korf 1967 and *Peziza* Dill.
ex Fr. 1822 (H)

Ostracoderma Fr. 1825, anamorphic *Pezi-*
za Dill. ex Fr. 1822 (C)

Pyronemataceae Corda

- Actinosporella* Descals, Marvanová & J.
Webster 1999, anamorphic *Miladina*
Svrček 1972 (H)

Ascorhizoctonia Chin S. Yang & Korf
1985, anamorphic *Tricharina* Eckblad
1968 (H)

Basifimbria Subram. & Lodha 1968,
anamorphic *Geopyxis* (Pers.) Sacc. (H)

Complexipes C. Walker 1979, anamorphic
Tricharina Eckblad 1968 and *Wilcoxina*
Chin S. Yang & Korf 1985 (H)

?*Dichobotrys* Hennebert 1973, anamorphic
Pyropyxis Egger 1984 and *Trichophaea*
Boud. 1885 (H)

Micronematobotrys Xiang Sun & L.D.
Guo 2010 (H)

?*Molliardiomyces* Paden 1984, anamor-
phic *Stephensia* Tul. & C. Tul. 1851
(H)

?*Scytalidium* Pesante 1957, anamorph of
Anthracobia Boud. 1885 (H)

Rhizinaceae Bonord.

Phymatotrichopsis Hennebert 1973 (H)

Sarcoscyphaceae LeGal ex Eckblad

- Molliardiomyces* Paden 1984, anamorphic
Nanoscypha Denison 1972, *Phillipsia*
Berk. 1881, *Pithya* Fuckel 1870 and
Sarcoscypha (Fr.) Boud. 1885 (H)

Verticicladium Preuss 1851, anamorphic
Desmazierella Lib. 1829 (H)

Sarcosomataceae Kobayasi

- Conoplea* Pers. 1797, anamorphic *Urnula*
Fr. 1849 and *Plectania* Fuckel 1870 (H)
Strumella Fr. 1849, anamorphic *Urnula* Fr.
1849 (H)

Verticicladium Preuss 1851, anamorphic

Sarcosoma Casp. 1891 (H)

Pezizales, genera *incertae sedis*

Cephalophora Thaxt. 1903 (H)

Class Sordariomycetes *sensu* O.E. Erikss. & Winka

Subclass Hypocreomycetidae O.E. Erikss. & Winka

Coronophorales Nannf.

Chaetosphaerellaceae Huhndorf, A.N. Mill. & F.A. Fernández

Oedemium Link 1824, anamorphic *Chaetosphaerella* E. Müll. & C. Booth 1972 (H)

Veramycina Subram. 1995, anamorphic *Chaetosphaerella* E. Müll. & C. Booth 1972 (H)

Nitschkiaceae (Fitzp.) Nannf.

Acremonium-like, anamorphic *Acantho-nitschkea* Speg. (H)

Glomerellales Chadeff. ex Réblová, W. Gams & Seifert

Australiascaceae Réblová & W. Gams

Monilochaetes Halst. ex Harter 1916, anamorphic *Australiasca* Sivan. & Alcorn 2002 (H)*

Glomerellaceae Locq. ex Seifert & W. Gams

Colletotrichum Corda 1831, anamorphic *Glomerella* Spauld. & Schrenk 1903 (C)

Reticulascaceae Réblová & W. Gams

Cylindrotrichum Bonord. 1851, anamorphic *Reticulascus* Réblová & W. Gams 2011 (H)*

Hypocreales Lindau

Bionectriaceae Samuels & Rossman

Acremonium-like, anamorphic *Dimerosporiella* Speg. 1908, *Ijuhya* Starbäck 1899, *Hydropisphaera* Dumont 1822, *Lasionectria* (Sacc.) Cooke 1884, *Mycocarachis* Malloch & Cain 1970, *Mycocitrus* Moller 1901, *Nectriella* Nitschke ex Fuckel 1870, *Nectriopsis* Maire 1911, *Nigrosabulum* Malloch & Cain 1970, *Protocreopsis* Yoshim. Doi 1977, *Selinia* P. Karst. 1876, and *Stilbocrea* Pat. 1900 and *Verrucostoma*

Hirooka, Tak. Kobay. & Chaverri 2010 (H)

Albosynnema E.F. Morris 1967 (H)

Clonostachys Corda 1839, anamorphic *Bionectria* Speg. 1919 (H)

Dendrodochium-like, anamorphic *Nectriella* Nitschke ex Fuckel 1870 (C)

Didymostilbe Henn. 1902, anamorphic *Peethambara* Subram. & Bhat 1978 (H)

Geosmithia J.Pitt 1979 (H)*

Gliocladium-like, anamorphic *Roumeguieriella* Speg. 1880 (H)

Gliomastix Guég. 1905 (H)*

Gracilistibella Seifert 2000, anamorphic *Stilbocrea* Pat. 1900 (H)

Kutilakesa Subram. 1956, anamorphic *Nectriella* Nitschke ex Fuckel 1870 (H)

Rhopalocladium Schroers, Samuels & W. Gams 1999, anamorphic *Nectriopsis* Maire 1911 (H)

Sarocladium W. Gams & D. Hawksw. 1976 (H)

Spicillum Nicot & Roquebert 1976 (H)

Stanjemonium W. Gams, O'Donnell, Schroers & M. Chr. 1999 (H)

Stilbella Lindau 1900 anamorphic *Stilbocrea* Pat. 1900 (H)

Trichothecium-like, anamorphic *Heleococcum* C.A. Jørg. 1922 (H)

Tubercularia-like, anamorphic *Selinia* P. Karst. 1876 (H)

Verticillium-like, anamorphic *Nectriopsis* Maire 1911 (H)

Vesicladiella Crous & M.J. Wingf. 1994 (H)

Virgatospora Finley 1967, anamorphic *Peethambara* Subram. & Bhat 1978 (H)

Clavicipitaceae (Lindau) Earle ex Rogerson

Acremonium-like, anamorphic *Neobarya* Lowen 1986 (H)

Albomyces I. Miyake 1908, anamorphic *Aciculosporium* I. Miyake (C)

Amphichordia Fr., 1825 (H)

Aschersonia Mont. 1848, anamorphic *Hypocrella* Sacc. and *Moelleriella* Bres. 1897 (C)

Blistum B. Sutton 1973, anamorphic *Berkelella* (Sacc.) Sacc. 1891 (H)

Calcarisporium Preuss 1851, anamorphic *Neobarya* Lowen (H)

Coralloctostroma Y.N. Yu & Z.Y. Zhang

1980 (C)

Diploöspora Grove 1916, anamorphic
Neobarya Lowen 1986 (H)*Drechmeria* W. Gams & H.-B. Jansson
1985 (H)*Ephelis* Fr. 1849, anamorphic *Atkinsonella*
Diehl, *Balansia* Speg., 1885, *Epichloë*
(Fr.) Tul. & C. Tul., 1865, *Dothichloë*
G.F. Atk. 1894, *Heteroepichloë* E.
Tanaka, C. Tanaka, Gafur & Tsuda
2002, *Nigrocornus* Ryley & Langdon
2003 and *Myriogenospora* G.F. Atk.
1894 (H)*Harposporium* Lohde 1874, anamorphic
Podocrella Seaver 1928 (H)*Hirsutella*-like, anamorphic *Orbiocrella* D.
Johnson, G.H. Sung, Hywel-Jones &
Spatafora 2009 and *Moelleriella* Bres.
1897 (H)*Lecanicillium* W. Gams & Zare 2001,
anamorphic *Hypocrella* Sacc. 1878 and
Neobarya Lowen 1986 (H)*Metarhizium* Sorokīn 1879, anamorphic
Metacordyceps G.H. Sung, J.M. Sung,
Hywel-Jones & Spatafora 2007 (H)? *Munkia* Speg. 1886, anamorphic *Myc-*
omalus A. Møller 1901 (H)*Neomunkia* Petr. 1947 (H)*Neotyphodium* Glenn, C.W. Bacon &
Hanlin 1996, anamorphic *Epichloë* (Fr.)
Tul. & C. Tul. 1865 (H)*Nomuraea* Maubl. 1903 (H)*Pleurodesmospora* Samson, W. Gams &
H.C. Evans 1979 (H)*Pochonia* Bat. & O.M. Fonseca 1965 (H)*Polycephalomyces* Kobayasi 1941, ana-
morphitic *Berkelella* (Sacc.) Sacc. 1891
(H)*Pseudogibellula* Samson & H.C. Evans
1973, anamorphic *Torrubiella* Boud.
1885 (H)*Pseudomeria* G.L. Barron 1980 (H)*Rotiferophthora* G.L. Barron 1991 (H)*Sphacelia* Lév. 1827, anamorphic *Atkin-*
sonella Diehl 1950 and *Claviceps* Tul.
1853 (H)*Ustilaginoidea* Bref. 1895, anamorphic
Villosiclava E. Tanaka & C. Tanaka
2009 (H)***Cordycipitaceae*** Kreisel ex G.M. Sung, J.M.
Sung, Hywel-Jones & Spatafora*Akanthomyces* Lebert 1858, anamorphic
Cordyceps Fr. 1824 and *Torrubiella*
Boud. 1885 (H)*Beauveria* Vuill. 1912, anamorphic *Cordy-*
ceps Fr. 1824 (H)**Engyodontium* de Hoog 1978 (H)*Gibellula* Cavara 1894, anamorphic
Cordyceps Fr. 1824 and *Torrubiella*
Boud. 1885 (H)*Granulomanus* de Hoog & Samson 1978,
anamorphic *Torrubiella* Boud. 1885
(H)*Hirsutella* Pat. 1892, anamorphic
Cordyceps Fr. 1824 and *Cordyce-*
pioideus Stifler 1941 (H)*Isaria* Pers. 1794, anamorphic *Cordyceps*
Fr. 1824 and *Torrubiella* Boud. 1885
(H)*Lecanicillium* W. Gams & Zare 2001,
anamorphic *Cordyceps* Fr. 1824 and
Torrubiella Boud. 1885 (H)*Microhilum* H.Y. Yip & A.C. Rath 1989
(H)*Pseudogibellula* Samson & H.C. Evans
1973 (H)*Rotiferophthora* G.L. Barron 1991 (H)*Septofusidium* W. Gams 1971, anamorphic
Cordyceps Fr. 1824 (H)*Simplicillium* W. Gams & Zare 2001,
possibly anamorphic *Torrubiella* Boud.
1885 (H)*Tolypocladium* W. Gams 1971, anamo-
rphic *Cordyceps* Fr. 1824 (H)***Hypocreaceae*** De Not.*Acremonium*-like, anamorphic *Protocrea*
Petch 1937 and *Pseudohypocrea*
Yoshim. Doi 1972 (H)*Arachnocrea* Z. Moravec 1956, anamo-
rphic *Protocrea* Petch 1937 and
Sarawakus Lloyd 1924 (C)*Cladobotryum* Nees 1816, anamorphic
Hypomyces (Fr.) Tul. & C. Tul. 1860
(H)**Gliocladium* Corda 1840, anamorphic
Hypocrea Fr. 1825 and *Sphaerostil-*
bella (Henn.) Sacc. & D. Sacc. 1905
(H)*Gliocladium*-like, anamorphic *Sarawakus*
Lloyd 1924 (H)*Mycogone* Link 1809, anamorphic *Hypo-*
myces (Fr.) Tul. & C. Tul. 1860 (H)

- Papulaspora*-like, anamorphic *Hypomyces* (Fr.) Tul. & C. Tul. 1860 (H)
- Sepedonium* Link 1809, anamorphic *Hypomyces* (Fr.) Tul. & C. Tul. 1860 (H)
- Sibirina* G.R.W. Arnold 1970, anamorphic *Hypomyces* (Fr.) Tul. & C. Tul. 1860 (H)
- Stephanoma* Wallr. 1833, anamorphic *Hypomyces* (Fr.) Tul. & C. Tul. 1860 (H)
- Stilbella* Lindau 1900, anamorphic *Hypocrea* Fr. 1825 (H)
- Stromatocrea* W.B. Cooke 1952, anamorphic *Hypocreopsis* P. Karst. 1873 (H)
- Trichoderma* Pers. 1794, anamorphic *Hypocrea* Fr. 1825 and *Podostroma* P. Karst. 1892 (H)*
- Trichoderma*-like, anamorphic *Sarawakus* Lloyd 1924 (H)
- Trichothecium*-like, anamorphic *Hypomyces* (Fr.) Tul. & C. Tul. 1860 (H)
- Verticillium*-like, anamorphic *Aphysiostroma* Barrasa, A.T. Martínez & G. Moreno 1986, *Sphaerostilbella* Henn. 1901 and *Coniochaeta* (Sacc.) Cooke 1887 (H)
- Verticimonosporium* Matsush. 1971 (H)

Nectriaceae Tul. & C. Tul.

- Acremonium*-like, anamorphic *Cosmospora* Rabenh. 1862, *Nectria* (Fr.) Fr. 1849 and *Neocosmospora* E.F. Sm. 1899 (H)
- Actinostilbe* Petch 1925, anamorphic *Lanatonectria* Samuels & Rossman 1999 (H)
- Antipodium* Piroz. 1974, anamorphic *Ophionectria* Sacc. 1878 (H)
- Aphanocladium* W. Gams 1971 (H)
- Atractium* Link 1809 (H)
- Calostilbella* Höhn. 1919, anamorphic *Calostilbe* Sacc. & Syd. 1902 (H)
- Campylocarpon* Halleen, Schroers & Crous 2005 (H)
- Chaetodochium* Höhn. 1932, anamorphic *Pseudonectria* Seaver 1909 (H)
- Chaetopsina* Rambelli 1956, anamorphic *Chaetopsinectria* J. Luo & W.Y. Zhuang and *Cosmospora* Rabenh. 1862 (H)
- Curviciadiella* Decock & Crous 2006 (H)
- Curviciadium* Decock & Crous 1998 (H)

- Cyanochyta* Höhn. 1915, anamorphic *Gibberella* Sacc. 1877 (C)
- Cyanophomella* Höhn. 1918, anamorphic *Gibberella* Sacc. 1877 (C)
- Cylindrocarpon* Wollenw. 1913, anamorphic *Neonectria* Wollenw. 1917, *Rugonectria* P.Chaverri & Samuels 2011, *Thelonectria* P. Chaverri & C.G. Salgado 2011, *Ilyonectria* P.Chaverri & Samuels 2011 (H)*
- Cylindrocladiella* Boesew. 1982, anamorphic *Cosmospora* Rabenh. 1862 and *Nectricladiella* Crous & C.L. Schoch 2000 (H)
- Cylindrocladium* Morgan 1892, anamorphic *Calonectria* De Not. 1867 (H)
- Dacryoma* Samuels 1988, anamorphic *Nectria* (Fr.) Fr. 1849 (H)
- Dematiocladium* Allegr., Aramb., Cazau & Crous 2005 (H)
- Dichomera* Cooke 1878, anamorphic *Gibberella* Sacc. 1877 (C)
- Flagellospora* Ingold 1942, anamorphic *Nectria* (Fr.) Fr. 1849 (H)
- Fusarium* Link 1809, anamorphic *Albonectria* Rossman & Samuels 1999, *Cyanonectria* Samuels & Chaverri 2009, *Gibberella* Sacc. 1877, *Corallomyces-tella* Henn. 1904 and *Haematonectria* Samuels & Nirenberg 1999 and unknown teleomorphs (H)*
- Fusarium*-like, anamorphic, *Geejayessia* Schroers, Gräfenhan & Seifert 2011 and *Cyanonectria* Samuels & Chaverri 2009 (H)*
- Fusicolla* Bonord. 1851 (H)
- Gliocephalotrichum* J.J. Ellis & Hessel. 1962, anamorphic *Leuconectria* Rossman, Samuels & Lowen 1993 (H)
- Gliocladiopsis* S.B. Saksena 1954, anamorphic *Glionectria* Crous & S.L. Schoch 2000 (H)
- Gyrostroma* Naumov 1914, anamorphic *Nectria* (Fr.) Fr. 1849 (C)
- Heliscus* Sacc. 1880, anamorphic *Neonectria* Wollenw. 1917 . 1849 (H)
- Macroconia* (Wollenw.) Gräfenhan, Seifert & Schroers 2011 (H)
- Mariannaea* G. Arnaud ex Samson 1974 anamorphic 'Nectria' (Fr.) Fr. 1849 and *Cordyceps* Fr. 1833 (H)*

- Microcera* Desm. 1848, anamorphic
Gibberella Sacc. 1877 (H)*
- Mirandina* G. Arnaud ex Matsush. 1975,
anamorphic *Chaetonectrioides* Matsush.
(H)
- Nalanthamala* Subram. 1956, anamorphic
Rubrinectria Rossman & Samuels 1999
(H)
- Penicillifer* Emden 1968, anamorphic *Viridispora*
Samuels & Rossman 1999 (H)
- Pleurocolla* Petr. 1924 (H)
- Rhizostilbela* Wolk 1914, anamorphic
Corallomycetella Henn. 1904 (H)
- Septofusidium* W. Gams 1971 (H)
- Stachybotryna* Tubaki & T. Yokoy. 1971,
anamorphic 'Nectria' (Fr.) Fr. 1849 (H)
- Stilbella* Lindau 1900, anamorphic *Cosmospora*
Rabenh. 1862 and *Nectria* (Fr.) Fr. 1849
(H)*
- Tilachlidium* Preuss 1851, anamorphic
'Pseudonectria' Seaver 1909 (H)
- Tubercularia* Tode 1790, anamorphic
Nectria (Fr.) Fr. 1849 (H)*
- Verticillium*-like, anamorphic *Cosmospora*
Rabenh. 1862 (H)
- Volutella* Fr. 1832, anamorphic *Cosmospora*
Rabenh. 1862 and *Pseudonectria*
Seaver 1909 (H)
- Xenocylindrocladium* Decock, Hennebert
& Crous 1997, anamorphic *Xenocalonectria*
Crous & C.L. Schoch 2000 (H)
- Zythiostroma* Höhn. ex Falck 1923,
anamorphic *Nectria* (Fr.) Fr. 1849 (C)

Niessliaceae Kirschst.

- Acremonium*-like, anamorphic *Trichosphaerella*
E. Bommer, M. Rousseau & Sacc. 1891 and
Valetoniellopsis Samuels & M.E. Barr 1998 (H)
- Custingophora*-like, anamorphic *Melanopsamma*
Niessl 1876 (H)
- Monocillium* S.B. Saksena 1955, anamorphic
Hyaloseta A.W. Ramaley 2001 and *Niesslia*
Auersw. 1869 (H)

Ophiocordycipitaceae G.H. Sung, J.M. Sung, Hywel-Jones & Spatafora

- Chaunopycnis* W. Gams 1979 (H)
- Haptocillium* W. Gams & Zare 2001
anamorphic *Ophiocordyceps* Petch
1931 (H)

- Hirsutella* Pat. 1892, anamorphic *Ophiocordyceps*
Petch 1931 (H)
- Hymenostilbe* Petch 1931, anamorphic
Ophiocordyceps Petch 1931 (H)
- Paraisaria* Samson & B.L. Brady 1983,
anamorphic *Ophiocordyceps* Petch
1931 (H)
- Purpureocillium* Luangsa-ard, Hywel-Jones,
Houbraken & Samson 2011 (H)
- Syngliocladium* Petch 1932, anamorphic
Ophiocordyceps Petch 1931 (H)
- Tolypocladium* W. Gams 1971, anamorphic
Elaphocordyceps G.H. Sung & Spatafora
2007 (H)
- Verticillium*-like, anamorphic *Elaphocordyceps*
G.H. Sung & Spatafora 2007 (H)

Hypocreales, genera *incertae sedis*

- Acremonium* Link 1809 (H)*
- Acremonium*-like, anamorphic *Emeriellopsis*
J.F.H. Beyma 1940 and *Leucosphaerina*
Arx 1987 (H)
- Ascochytopsis*-like, anamorphic *Eucosphaeria*
Crous 2007 (C)
- Cancellidium* Tubaki 1975 (H)
- Didymostilbe* Henn. 1902, anamorphic
Peethambara Subram. & Bhat 1978 (H)
- Escovopsis* J.J. Muchovej & Della Lucia
1990 (H)
- Hapsidospora* Malloch & Cain 1970 (C)
- Haptospora* G.L. Barron 1991 (H)
- Illosporiopsis* D. Hawksw. 2001 (H)
- Illosporium* Mart. 1817 (H)
- Imicles* Shoemaker & Hambl. 2001 (H)
- Memnoniella* Höhn. 1923 (H)
- Myrothecium* Tode 1790 (H)
- Parasarcopodium* Melnik, S.J. Lee & Crous
2004 (H)
- Pseudomicrodochium* B. Sutton 1975 (H)
- Sarocladium* W. Gams & D. Hawksw. 1976
(H)
- Septomyrothecium* Matsush. 1971, anamorphic
Peethambara Subram. & Bhat 1978 (H)
- Sorospora* Sorokīn 1888 (H)
- Spicellum* Nicot & Roquebert 1976 (H)
- Sporothrix* Hektoen & C.F. Perkins 1901,
anamorphic *Leucosphaerina* Arx 1987
(H)
- Stachybotrys* Corda 1837 (H)

Stilbella Lindau 1900, anamorphic *Emericellopsis* J.F.H. Beyma 1940 and *Valsonectria* Speg. 1881 (H)
Tilachlidium Preuss 1851 (H)
Trichothecium Link 1809 (H)*

Lulworthiales Kohlm., Spatafora & Volkm.-Kohlm. 2000

Lulworthiaceae Kohlm., Spatafora & Volkm.-

Kohlm. 2000

Anguillospora Ingold 1942, anamorphic
Lindra I.M. Wilson 1956 (H)

Melanosporales N. Zhang & M. Blackw.

Ceratostomataceae G. Winter

Acrospeira Berk. & Broome 1857 (H)

Gonatobotrys Corda 1839, anamorphic
Melanospora Corda 1837 (H)

Harzia Costantin 1888, anamorphic *Melanospora* Corda 1837 (H)

Papulaspora Preuss 1851, anamorphic
Melanospora Corda 1837 and *Microrthecium* Corda 1842 (H)

Proteophiala Cif. 1958, anamorphic *Melanospora* Corda 1837, *Persiciospora* P.F. Cannon & D. Hawksw. 1982, *Sphaerodes* Clem. 1909, *Pteridiosperma* J.C. Krug & Jeng 1979 (H)

[*Sphaerodes* Clem. 1909 is a teleomorph which was reported to produce ampulliform phialides on irregularly branched conidiophores directly on ascumata or on surrounding hyphae (Vujanovic & Goh, 2009)]

Microascales Luttr. ex Benny & Kimbr.

Chadefaudiellaceae Faurel & Schotter ex Benny & Kimbr.

Arthrographis-like, anamorphic *Faurelina* Locq.-Lin. 1975 (H)

Gondwanamycetaceae Réblová, W. Gams & Seifert

Custingophora Stolk, Hennebert & Klopotek 1968, anamorphic *Gondwanamyces* G.J. Marais & M.J. Wingf. 1998 (H)*

Halosphaeriaceae E. Müll. & Arx ex Kohlm.

Cirrenalia Meyers & R.T. Moore 1960 (H)

Clavariopsis-like, anamorphic *Corollospora* Werderm. 1922 (H)

Clavatospora Sv. Nilsson ex Marvanová & Sv. Nilsson 1971, anamorphic *Corollospora* Werderm. 1922 (H)

Culcitalna Meyers & R.T. Moore 1960, anamorphic *Halosarphaea* Kohlm. & E. Kohlm. 1977 (H)

Halosigmoidea Nakagiri, K.L. Pang & E.B.G. Jones 2009, anamorphic *Corollospora* Werderm. 1922 (H)

Humicola Traaen 1914, anamorphic *Pseudolignincola* Chatmala & E.B.G. Jones 2006 and *Lignincola* Höhnk 1955 (H)

Monodictys S. Hughes 1958 anamorphic *Nereiospora* E.B.G. Jones, R.G. Johnson & S.T. Moss 1983 (H)

Periconia Tode 1791, anamorphic *Halosphaeria* Linder 1944 (H)

Sigmoidea J.L. Crane 1968, anamorphic *Corollospora* Werderm. 1922 (H)

Trichocladium Harz 1871, anamorphic *Halosphaeria* Linder 1944 (H)

Varicosporina Meyers & Kohlm. 1965, anamorphic *Corollospora* Werderm. 1922 (H)

Microascaceae Luttr. ex Malloch

Athrographis G. Cochet ex Sigler & J.W. Carmich. 1976, anamorphic *Canariomyces* Arx (H)

Brachyconidiellosis Decock, R.F. Castañeda & Adhikari 2004 (H)

Cephalotrichum Link 1809, anamorphic *Microascus* Zukal 1885 (H)

Echinobotryum Corda 1831 (H)

Graphium Corda 1837, anamorphic *Microascus* Zukal 1885, *Petriella* Curzi 1930 and *Pseudallescheria* Negr. & I. Fisch. 1944 (H)

Humicola Traaen 1914, anamorphic *Lophotrichus* R.K. Benj. 1949 (H)

Parascetosporium Gilgado, Gené, Cano & Guarro 2007 (H)

Scetosporium Sacc. ex Castell. & Chalm. 1919, anamorphic *Pseudallescheria* Negr. & I. Fisch. 1944 and possibly *Petriella* Curzi 1930 (H)

Scopulariopsis Bainier 1907, anamorphic *Microascus* Zukal 1885 and ?*Petriella* Curzi 1930 and *Pithoascus* Arx 1973 (H)

- Trichurus* Clem. 1896 (H)
Wardomyces F.T. Brooks & Hansf. 1923,
 anamorphic *Microascus* Zukal 188 (H)
Wardomyopsis Udagawa & Furuya 1978,
 anamorphic *Microascus* Zukal 1885
 (H)

Microascales, genera *incertae sedis*

- Bisporostilbella* Brandsb. & E.F. Morris
 1971 (H)
Chalara-like, anamorphic *Ceratocystis*
 Ellis & Halst. 1890 and *Cornuvesica*
 C.D. Viljoen, M.J. Wingf. & K. Jacobs
 2000 (H)
Gabarnaudia Samson & W. Gams 1974,
 anamorphic *Sphaeronaemella* P. Karst.
 1884 (H)
Sporendocladia G. Arnaud ex Nag Raj &
 W.B. Kendr. 1975 (H)
Thielaviopsis Went 1893, anamorphic
Ceratocystis Ellis & Halst. 1890 (H)

Hypocreomycetidae, families *incertae sedis****Plectosphaerellaceae*** W. Gams, Summerbell
& Zare

- Acremonium* Link 1809 (H)*
Acrostalagmus Corda 1838 (H)*
Gibellulopsis Bat. & H. Maia 1959 (H)
Musciillum Zare & W. Gams 2007 (H)
Plectosporium M.E. Palm, W. Gams &
 Nirenberg 1995, anamorphic *Plecto-*
sphaerella Kleb. 1929 (H)
Stachylidium Link 1809 (H)*
Verticillium Nees 1816 (H)

Hypocreomycetidae, genera *incertae sedis*

- Canalisporium* Nawawi & Kuthub. 1989,
 anamorphic *Ascothailandia* Sriindra-
 sutdhi, Boonyuen, Sivichai & E.B.G.
 Jones 2010 (H)
Dictyochaeta Speg. 1923, anamorphic
Ascocodinaea Samuels, Candoussau &
 Magni 1997 (H)
 ?*Glomerulispora* Abdel-Wahab, Abdel-
 Aziz & Nagahama 2010, anamorphic
Torpedospora Meyers 1957 (H)
Moheitospora Abdel-Wahab, Abdel-Aziz
 & Nagahama 2010, anamorphic *Junci-*
gena Kohlm., Volkm.-Kohlm & O.E.
 Erikss. 1997 (H)

- Sporoschismopsis* Hol.-Jech. & Hennebert
 1972, anamorphic *Porosphaerellopsis*
 Samuels & E. Müll. 1982 (H)

Subclass *Sordariomycetidae* O.E. Erikss. &
Winka***Boliniales*** P.F. Cannon 2001***Boliniaceae*** Rick 1931

- Phaeoisaria* Höhn. 1909 anamorphic
Lentomitella Höhn. 1906 (H)

Calosphaeriales M.E. Barr***Calosphaeriaceae*** Munk

- Calosphaeriophora* Réblová, L. Mostert,
 W. Gams & Crous 2004, anamorphic
Calosphaeria Tul. & C. Tul. (H)
Lecythophora Nannf. 1934, anamorphic
Sulcatistroma A.W. Ramaley 2005 (H)
Phaeocrella Réblová, L. Mostert, W.
 Gams & Crous 2004, anamorphic *Tog-*
niniella Réblová, L. Mostert, W. Gams
 Crous 2004 (H)
Phialophora-like, anamorphic *Jattaea*
 Berl. 1900 (H)
Stachybotrys-like, anamorphic *Jattaea*
 Berl. 1900 (H)

Pleurostomataceae Réblová, L. Mostert, W.
Gams & Crous

- Pleurostomophora* Vijaykr., L. Mostert,
 Jeewon, W. Gams, K.D. Hyde & Crous
 2004, anamorphic *Pleurostoma* Tul. &
 C. Tul. 1863 (H)

Chaetosphaeriales Huhndorf, A.N. Mill. &
F.A. Fernández***Chaetosphaeriaceae*** Réblová, M.E. Barr &
Samuels

- Cacumisporium* Preuss 1851, anamorphic
Chaetosphaeria Tul. & C. Tul. 1863
 (H)
Catenularia Grove 1886, anamorphic
Chaetosphaeria Tul. & C. Tul. 1863
 (H)
Chalara (Corda) Rabenh. 1844, anam-
 orphic *Ascochalara* Réblová 1999 and
Chaetosphaeria Tul. & C. Tul. 1863
 (H)*
Chloridium Link 1809, anamorphic *Chae-*
tosphaeria Tul. & C. Tul. 1863 and

- Melanopsammella* Höhn. 1920 (H)
Codinaea Maire 1937, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
 ?*Cordana* Preuss 1851, anamorphic *Porosphaerella* E. Müll. & Samuels 1982 (H)
Craspedodidymum Hol.-Jech. 1972, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Cryptophiale Piroz. 1968, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Custingophora Stolk, Hennebert & Klopotek 1968 anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Dictyochaeta Speg. 1923, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 and *Striatosphaeria* Samuels & E. Müll. 1979 (H)
Exserticlava S. Hughes 1978, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Fusichalara S. Hughes & Nag Raj 1973, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Gonytrichum Nees & T. Nees 1818, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Harpophora W. Gams 2000, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Hemicorynespora M.B. Ellis 1972, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Kylindria DiCosmo, S.M. Berch & W.B. Kendr. 1983, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Menispora Pers. 1822, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Monilochaetes Halst. ex Harter 1916, anamorphic *Australiasca* Sivan. & Alcorn 2002 (H)*
Nawawia Marvanová 1980 (H)
Paliphora Sivan. & B. Sutton 1985 (H)
Phaeostalagmus W. Gams 1976, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Phialogeniculata Matsush. 1971 (H)
Phialophora-like, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Pseudobotrytis Krzemien. & Badura 1954, anamorphic *Porosphaerella* E. Müll. & Samuels 1982 (H)
Pyrigemmula D. Magyar & R. Shoemaker 2011 (H)
Ramichloridium-like, anamorphic *Chaetosphaerides* Matsush. 2003 (H)
Rattania Prabhugaonkar & Bhat 2009 (H)
Sporidesmium Link 1809, anamorphic *Umbrinosphaeria* Réblová 1999, *Miyoshiella* Kawam. 1929 and *Lecythothecium* Réblová & Winka 2001 (H)
Sporoschisma Berk. & Broome 1847, anamorphic *Melanochaeta* E. Müll., Harr & Sulmont 1969 and *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
Stachybotrys Corda 1837, anamorphic *Melanopsamma* Niessl 1876 (H)
Thozetella Kuntze 1891 (H)
Zanclospora S. Hughes & W.B. Kendr. 1965, anamorphic *Chaetosphaeria* Tul. & C. Tul. 1863 (H)
- Coniochaetales** Huhndorf, A.N. Mill. & F.A. Fernández
- Coniochaetaceae** Malloch & Cain
- Cladobotryum*-like, anamorphic *Coniochaeta* (Sacc.) Cooke 1887 (H)
 ?*Dactylaria* Sacc. 1880, anamorphic *Synaptospora* Cain 1957 (H)
Lecythophora Nannf. 1934, anamorphic *Coniochaeta* (Sacc.) Cooke 1887 (H)
Phialophora-like, anamorphic *Barrina* A.W. Ramaley 1997 (H)
- Diaporthales** Nannf.
- Cryphonectriaceae** Gryzenh. & M.J. Wingf.
- Aurapex* Gryzenh. & M.J. Wingf. 2006 (C)
Chrysoporthella Gryzenh. & M.J. Wingf. 2004, anamorphic *Chrysoporthes* Gryzenh. & M.J. Wingf. 2004 (C)
Endothiella Sacc. 1906, anamorphic *Cryphonectria* (Sacc.) Sacc. & D. Sacc. 1905 (C)
Foliocryphia Cheewangkoon & Crous 2010 (C)
Prosopidicola Crous & C.L. Lennox 2004 (C)
Ursicollum Gryzenh. & M.J. Wingf. 2006 (C)
- Diaporthaceae** Höhn. ex Wehm.
- Mazzantiella* Höhn. 1925, anamorphic

Mazzantia Mont. 1855 (C)

Phomopsis (Sacc.) Bubák 1905, anamorphic *Diaporthe* Nitschke 1870 (C)

Gnomoniaceae G. Winter

Asteroma DC. 1815, anamorphic *Gnomoniella* Sacc. 1881 and *Plagiostoma* Fuckel 1870 and *Pleuroceras* Riess. The type of the genus is considered to be *Montagnellina stellaris* (Pers.) Theiss. & Syd. 1915 (C)

?*Depazea* Fr. 1818, anamorphic *Pleuroceras* Riess 1854 (C)

Diplodina Westend. 1857, anamorphic *Plagiostoma* Fuckel 1870 (C)

Discosporium Sacc. & P. Syd. 1902 anamorphic *Cryptodiaporthe* Petr. 1921 C. Tul. (C)

Discula Sacc. 1884, anamorphic *Apiognomonina* Höhn. 1917, *Gnomonia* Ces. & De Not. 1863 and *Amphiporthe* Petr. 1971 (C)

Gloeosporidina Petr. 1921, anamorphic *Apiognomonina* Höhn. 1917 (C)

Mazzantiella Höhn. 1925, anamorphic *Mamianiella* Höhn. 1917 (C)

Millerburtonia Cif. 1951, anamorphic *Plagiostoma* Fuckel 1870 (C)

Phaeocystostroma Petr. 1921, anamorphic *Clypeoporthe* Höhn 1919 (C)

?*Septogloeum* Sacc. 1880, anamorphic *Pleuroceras* Riess 1854 (C)

Uniseta Ciccari. 1948, anamorphic *Plagiostoma* Fuckel 1870 (C)

?*Zythia* Fr. 1849 (C)

Melanconidaceae G. Winter

Dumortieria Westend. 1857 (as *Cytosporina* Sacc. 1884), anamorphic *Melanamphora* Lafl. 1976 and *Melogramma* Fr. 1849 (C)

Harknessia Cooke 1881, anamorphic *Wuestneia* Auersw. ex Fuckel 1863 (C)

Hendersonula Speg. 1880, anamorphic *Pseudovalsella* Höhn. 1918 and *Dictyoporthe* Petr. 1955 (C)

Mastigosporella Höhn. 1914, anamorphic *Wuestneiopsis* J. Reid & Dowsett 1990 (C)

Melanconiopsis Ellis & Everh. 1900, anamorphic *Massariovalsella* Sacc. 1882 (C)

Melanconium Link 1809, anamorphic

Melanconis Tul. & C. Tul. 1863 (C)

?*Stilbospora* Pers. 1794, anamorphic *Prosthecium* Fresen. 1852 (C)

Tubakia B. Sutton 1973, anamorphic *Dicarpella* Syd. & P. Syd. 1921 (C)

Pseudoplagiostomaceae Cheewangkoon, M.J. Wingf. & Crous

Cryptosporiopsis-like, anamorphic *Pseudoplagiostoma* Cheewangkoon, M.J. Wingf. & Crous 2010 (C)

Pseudovalsaceae M.E. Barr

Coryneum Nees 1816, anamorphic *Pseudovalsella* Ces. & De Not. 1863 (C)

Schizoparmeaceae Rossman

Coniella Höhn. 1918 (C)

Pilidiella Petr. & Syd. 1927, anamorphic *Schizoparme* Shear 1923 (C)

Sydowiellaceae Lar. N. Vassiljeva

Cylindrosporella Höhn. 1916, anamorphic *Stegophora* Syd. & P. Syd. 1916 (C)

Phoma-like, anamorphic *Hapalocystis* Auersw. ex Fuckel 1863 (C)

Togniniaceae Réblová, L. Mostert, W. Gams & Crous

Phaeocremonium W. Gams, Crous & M.J. Wingf. 1996, anamorphic *Togninia* Berl. 1900 (H)

Valsaceae Tul. & C. Tul.

Amphicytostroma Petr. 1921, anamorphic *Amphiporthe* Petr. 1971 (C)

Cytospora Ehrenb. 1818, anamorphic *Leucostoma* (Nitschke) Höhn. 1917, *Valsa* Fr. 1849, *Valsella* Fuckel 1870 and *Valseutypella* Höhn. 1919 (C)

Harpostroma Höhn. 1928, anamorphic *Leptosillia* Höhn. 1928 (C)

?*Lasmenia* Speg. 1886, anamorphic *Chadefaudiomyces* Kamat, Rao, Patil & Ullasa 1974 (C)

Phomopsis (Sacc.) Bubák 1905, anamorphic *Clypeoporthe* Petr. 1924 (C)

Diaporthales, genera *incertae sedis*

Craspedodidymum Hol.-Jech. 1972, anamorphic *Thailandiomyces* Pinruan, Sakay., K.D. Hyde & E.B.G. Jones

2008 (H)

- Apharknessia* Crous & S.J. Lee 2004 (C)
Apomelasmia Grove 1937 (C)
Asterosporium Kunze 1819 (C)
Craspedodidymum Hol.-Jech. 1972, anamorphic *Thailandiomyces* Pinruan, Sakay., K.D. Hyde & E.B.G. Jones 2008 (H)
Cytospora-like, anamorphic *Pachytrype* Berl. ex M.E. Barr, J.D. Rogers & Y.M. Ju 1993 (C)
Dwiroopa Subram. & Muthumary
 ?*Greeneria* Scribn. & Viala 1887 (C)
Hormonema Lagerb. & Melin 1927, anamorphic *Valsaria* Ces. & De Not. 1863 (H)
Hypodermina Höhn. 1916 (C)
Macrohilum H.J. Swart 1988 (C)
Natarajania Pratibha & Bhat 2006 (H)
Phomopsis-like, anamorphic *Caudospora* Starbäck 1889 (C)
Rabenhorstia Fr. 1849, anamorphic *Herco-spora* Fr. 1825 (C)
Sirococcus Preuss 1855 (C)
Stenocarpella Syd. & P. Syd. 1917 (C)
Synchaetomella Decock & Seifert 2005 (H)

Magnaporthales Thongk., Vijakr. & K.D. Hyde

Magnaporthaceae P.F. Cannon

- Clasterosporium* Schwein. 1832, anamorphic *Clasterosphaeria* Sivan. 1984 (H)
Didymobotryum Sacc. 1886, anamorphic *Ceratosphaerella* Huhndorf, Greif, Mugambi & A.N. Mill. 2008 (H)
Harpophora W. Gams 2000, anamorphic *Gaeumannomyces* Arx & D.L. Olivier 1952 and *Magnaporthe* R.A. Krause & R.K. Webster 1972 (H)
Mycoleptodiscus Ostaz. 1968, anamorphic *Omnidemtus* P.F. Cannon & Alcorn 1994 (H)
Nakataea Hara 1939, anamorphic *Magnaporthe* R.A. Krause & R.K. Webster 1972 (H)
Pyricularia Sacc. 1880, anamorphic *Magnaporthe* R.A. Krause & R.K. Webster 1972 (H)
Trichocladium-like, anamorphic *Gaeumannomyces* Arx & D.L. Olivier 1952 (H)

Ophiostomatales Benny & Kimbr.

Kathistaceae Malloch & M. Blackw.

- Mattirolella* S. Colla 1929 (C)
Termitaria Thaxt. 1920 (H)
Termitariopsis M. Blackw., Samson & Kimbr. 1980 (H)

Ophiostomataceae Nannf.

- Acremonium*-like, anamorphic *Fragosphaeria* Shear 1923 (H)
Ambrosiella Brader ex Arx & Hennebert 1965, anamorphic *Grosmannia* Goid. 1936 and *Ophiostoma* Syd. & P. Syd. 1919 (H)
Graphium Corda 1837, anamorphic *Ophiostoma* Syd. & P. Syd. 1919 (H)
Hyalobelemnospora Matsush. 1993, anamorphic *Subbaromyces* Hesselt. 1953 (H)
Hyalorhino-cladiella H.P. Upadhyay & W.B. Kendr. 1975, anamorphic *Cerato-cystiopsis* H.P. Upadhyay & W.B. Kendr. 1975, *Klasterskya* Petr. 1940 and *Ophiostoma* Syd. & P. Syd. 1919 (H)
Hyalorhino-cladiella-like, anamorphic *Klasterskya* Petr. 1940 (H)
Leptographium Lagerb. & Melin 1927, anamorphic *Grosmannia* Gold. 1936 (H)*
Pesotum J.L. Crane & Schokn. 1973, anamorphic *Ophiostoma* Syd. & P. Syd. 1919 (H)
Pesotum-like, anamorphic *Grosmannia* Gold. 1936 (H)
Phialographium H.P. Upadhyay & W.B. Kendr. 1974, anamorphic *Ophiostoma* Syd. & P. Syd. 1919 (C)
Raffaelea Arx & Hennebert 1965, anamorphic *Grosmannia* Goid. 1936 and *Ophiostoma* Syd. & P. Syd. 1919 (H)
Sporothrix Hektoen & C.F. Perkins 1901, anamorphic *Ophiostoma* Syd. & P. Syd. 1919 (H)

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

Chaetomiaceae G. Winter

- Acrophialophora* Edward 1961 (H)
Botryotrichum Sacc. & Marchal 1885, anamorphic *Chaetomium* Kunze 1817 and *Farrowia* D. Hawksw. (H)

Humicola Traaen 1914, anamorphic *Chaetomium* Kunze 1817 (H)
Madurella Brumpt 1905 (H)
Myceliophthora Costantin 1892, anamorphic *Corynascus* Arx 1973 and *Thielavia* Zopf 1876 (H)
Papulaspora-like, Preuss 1851, anamorphic *Chaetomium* Kunze 1817 (H)
Phialophora-like, anamorphic *Chaetomidium* (Zopf) Sacc. 1882 (H)
Retroconis de Hoog & Bat. Vegte 1989 (H)
Taifanglania Z.Q. Liang, Y.F. Han, H.L. Chu & R.T.V. Fox 2009, anamorphic *Thielavia* Zopf 1876 (H)
Trichocladium Harz 1871, anamorphic *Chaetomium* Kunze 1817 (H)
Trichosporiella Kamyschko 1960, anamorphic *Thielavia* Zopf 1876 (H)

Lasiosphaeriaceae Nannf.

Angulimaya Subram. & Lodha 1964, anamorphic *Bombardioidea* C. Moreau ex N. Lundqv. 1972 (H)
Bagadiella Cheewangkoon & Crous 2009 (H)
Cladorrhinum Sacc. & Marchal 1885, anamorphic *Apiosordaria* Arx & W. Gams 1967, *Apodospora* Cain & J.H. Mirza 1970, *Arnium* Nitschke ex G. Winter 1873, *Cercophora* Fuckel 1870 and *Podospira* Ces. 1856 (H)
Mammaria Ces. ex Rabenh. 1854, anamorphic *Pseudocercophora* Subram. & Sekar 1986 and *Cercophora* Fuckel 1870 (H)
Phialophora-like, anamorphic *Cercophora* Fuckel 1870, *Eosphaeria* Höhn. 1917, *Lasiosphaeria* Ces. & De Not. 1863 and *Podospira* Ces. 1856 (H)

Sordariaceae G. Winter

Chrysonilia Arx 1981, anamorphic *Neurospora* Shear & B.O. Dodge 1927 (H)
Trichosporiella Kamyschko 1960, anamorphic *Diplogelasinospora* Cain 1961 (H)
Virgariella S. Hughes 1953, anamorphic *Effetia* Bartoli, Maggi & Persiani 1984 (H)

Sordariales, genera *incertae sedis*

Kionochoeta P.M. Kirk & B. Sutton 1986

(H)

Lasiadelphina Réblová & W. Gams 2011 (H)
Lunulospora Ingold 1942 (H)
Madurella Brumpt 1905 (H)
Monodictys S. Hughes 1958 anamorphic *Ascotaiwania* Sivan. & H.S. Chang 1992 (H)
Monotosporella S. Hughes 1958, anamorphic *Ascotaiwania* Sivan. & H.S. Chang 1992 (H)
Papulospora Preuss 1851, anamorphic *Sordaria* Ces. & De Not. 1863 (H)
Ramophialophora M. Caldusch, Stchigel, Gené & Guarro 2004 (H)
Trichocladium-like, anamorphic *Ascolacicola* Ranghoo & K.D. Hyde 1998, *Ascotaiwania* Sivan. & H.S. Chang 1992 (H)
Ypsilonia Lév. 1846, anamorphic *Acanthotheciella* Höhn. 1911 (H)

Sordariomycetidae, families *incertae sedis*

Amplistromataceae Huhndorf, A.N. Mill., M. Greif & Samuels
Acrodontium-like, anamorphic *Amplistroma* Huhndorf, A.N. Mill., M. Greif & Samuels 2009 (H)
Pseudogliomastix W. Gams 1985, anamorphic *Wallrothiella* Sacc. 1882 (H)

Annulatascaceae S.W. Wong, K.D. Hyde & E.B.G. Jones

Phaeoisaria Höhn. 1909, anamorphic *Rhamphoria* Niessl 1876 (H)
Phialophora-like, anamorphic *Teracosphaeria* Réblová & Seifert 2007 (H)

Cephalothecaceae Höhn.

Acremonium-like, anamorphic *Albertiniella* Kirschst. 1936 (H)
Chalara (Corda) Rabenh. 1844, anamorphic *Cryptendoxyla* Malloch & Cain 1970 (H)*
Phialemonium W. Gams & McGinnis 1983 (H)
Tritirachium Limber 1940, anamorphic *Cephalotheca* Fuckel 1871 (H)

Helminthosphaeriaceae Samuels, Candoussau & Magní

Diplococcium Grove 1885, anamorphic

Helminthosphaeria Fuckel 1870 (H)
Endophragmiella B. Sutton 1973, anamorphic
Echinospaeria A.N. Mill. & Huhndorf 2004 (H)
Selenosporella-like, anamorphic *Ruzenia*
 O. Hilber 2002 (H)
Spadicoides S. Hughes 1958, anamorphic
Tengiomyces Réblová 1999 (H)
Vermiculariopsiella Bender 1932, anamorphic
Echinospaeria A.N. Mill. & Huhndorf 2004 (H)

Sordariomycetidae, genera *incertae sedis*

Sterigmatobotrys Oudem. 1886 (H)*
Brachysporiella Bat. 1952, anamorphic
Ascotaiwania Sivan. & H.S. Chang 1992 (H)
Conioscypha Höhn. 1904, anamorphic
Conioscyphascus Réblová & Seifert 2004 (H)
Endophragmiella B. Sutton 1973, anamorphic
Phaeotrichospaeria Sivan. 1983 (H)
Menisporopsis S. Hughes 1952, anamorphic
Menisporopascus Matsush. 2003 (H)
Phialophora-like, anamorphic *Linocarpon*
 Syd. & P. Syd. 1917 (H)
Pleurothecium Höhn. 1919, anamorphic
Carpoligna F.A. Fernández & Huhndorf 1999 (H)
Ramichloridium-like, anamorphic *Barbatospaeria*
 Reblova 2007 (H)
Rhodoveronaea Arzanlou, W. Gams & Crous 2007 (H)
Spadicoides S. Hughes 1958 (H)
Sporothrix-like, anamorphic *Barbatospaeria*
 Reblova 2008 (H)

Subclass Xylariomycetidae sensu O.E. Erikss. & Winka

Xylariales Nannf.

Amphisphaeriaceae G. Winter

Bartalinia Tassi 1900 (C)
 ?*Beltraniella* Subram. 1952, anamorphic
Leiosphaerella Höhn. 1919 (H)
Bleptosporium Steyaert 1961, anamorphic
Amphisphaeria Ces. & De Not. 1863 (C)
Ceratosporium Schwein. 1832, anamorphic
Iodosphaeria Samuels, E. Müll. & O. Petrini 1987 (H)

?*Chaetoconis* Clem. 1909, anamorphic
Ceriospora Niessl 1876 (C)
Discosia Lib. 1837, anamorphic *Adisciso*
 Kaz. Tanaka, Okane & Hosoya 2011 (C)*
Doliomyces Steyaert 1961 (C)
 ?*Hyalotiopsis* Punith. 1970, anamorphic
Ellurema Nag Raj & W.B. Kendr. 1986 (C)
Immersidiscosia Kaz. Tanaka, Okane & Hosoya 2011 (C)*
Labridella Brenckle 1929, anamorphic
Griphosphaerioma Höhn. 1918 (C)
Labridium Vesterg. 1897, anamorphic
Discostroma Clem. 1909 (C)
Microdochium Syd. 1924, anamorphic
Monographella Petr. 1924 (H)
Monochaetia (Sacc.) Allesch. 1902 (C)
Monochaetinula Muthumary, Abbas & B. Sutton 1986 (C)
Monochaetiopsis L. Cai, Jeewon & K.D. Hyde 2003, anamorphic
Dyrithiopsis L. Cai, R. Jeewon & K.D. Hyde 2003 (C)
Morinia Berl. & Bres. 1889 (C)
 ?*Pestalotia* De Not. 1841, anamorphic
Broomella Sacc. 1883 (C)
Pestalotiopsis Steyaert 1949, anamorphic
Neobroomella Petr. 1947 and *Pestalospaeria*
 M.E. Barr 1975 (C)
Phlogicylindrium Crous, Summerb. & Summerell 2006 (H)
Sarcostroma Cooke 1871, anamorphic
Griphosphaerioma Höhn. 1918 (C)
Seimatosporium Corda 1833, anamorphic
 anamorphic *Discostroma* Clem. 1909 (C)
Seiridium Nees 1816, anamorphic *Blogiascospora*
 Shoemaker, E. Müll. & Morgan-Jones 1966 and *Lepteutypa*
 Petr. 1923 (C)
Selenosporella G. Arnaud ex MacGarvie 1969,
 anamorphic *Oxydothis* Penz. & Sacc. 1898
 and *Iodosphaeria* Samuels, E. Müll. & O. Petrini 1987 (H)
Sporocadus Corda 1839 (C)
Synnemapestaloides T. Handa & Y. Harada 2004 (H)
 ?*Truncatella* Steyaert 1949 anamorphic
Broomella Sacc. 1883 (C)
Vermisporium H.J. Swart & M.A. Will. 1983 (C)
Zetiasplozna Nag Raj 1993 (C)

Diatrypaceae Nitschke

Dumortieria Westend. 1857 (some as *Cytosporina* Sacc. 1884), anamorphic *Cryptosphaeria* Ces. & De Not. 1863, *Diatrype* Fr. 1849, *Eutypa* Tul. & C. Tul. 1863 and *Eutypella* (Nitschke) Sacc. 1875 (C)

Libertella Desm. 1830, anamorphic *Diatrype* Fr. 1849, *Diatrypella* (Ces. & De. Not.) De. Not. 1863, *Eutypa* Tul. & C. Tul. 1863 and *Eutypella* (Nitschke) Sacc. 1875 (C)

Diatrypaceae Nitschke 1869

Phaeoisaria Höhn. 1909 anamorphic *Eutypella* (Nitschke) Sacc. 1875 (H)

Hyponectriaceae Petr.

Arthriniium Kunze 1817, anamorphic *Physalospora* Niessl (H)

Aureobasidium Viala & G. Boyer 1891, anamorphic *Discosphaerina* Höhn. 1917 (H)

Beltraniella Subram. 1952, anamorphic *Pseudomassaria* Jacz. 1894 (H)

Hormonema-like, anamorphic *Discosphaerina* Hohn 1917 (H)

Kabatia Bubák 1904, anamorphic *Discosphaerina* Höhn. 1917 (C)

Kabatiella Bubák 1907, anamorphic *Discosphaerina* Höhn. 1917 (H)

Sarcophoma Höhn. 1916, anamorphic *Discosphaerina* Hohn 1917 (C)

Selenophoma Maire 1907, anamorphic *Discosphaerina* Hohn 1917 (C)

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

Nodulisporium-like, anamorphic *Graphostroma* Piroz. 1974 (H)

Xylariaceae Tul. & C. Tul.

Acanthodochium Samuels, J.D. Rogers & Nagas., anamorphic *Astrocystis* Berk. & Broome and *Collodiscula* I. Hino & Katum. 1955 (H)

Arthroxyllaria Seifert & W. Gams 2002

Dematophora R. Hartig 1883, anamorphic *Rosellinia* De Not. 1844 (H)

?*Dicyma* Boulanger 1897, anamorphic *Ascotricha* Berk. 1838 (H)

Geniculisynnema Okane & Nakagiri 2007, anamorphic *Nemania* Gray 1821 (H)

Geniculosporium Chesters & Greenh. 1964, anamorphic *Entoleuca* Syd. 1922, *Leprieuria* Laessøe, J.D. Rogers & Whalley 1989, *Nemania* Gray 1821, *Phylacia* Lév. 1845, *Podosordaria* Ellis & Holw. 1897, *Rosellinia* De Not. 1844 and *Xylaria* Hill ex Schrank 1789 (H)

Geniculosporium-like, anamorphic *Halorosellinia* Whalley, E.B.G. Jones, K.D. Hyde & Læssøe 2000, *Jumillera* J.D. Rogers, Y.M. Ju & San Martín 1997 and *Kretzschmaria* Fr. 1849 (H)

Hypocreodendron Henn. 1897, anamorphic *Discoxylaria* J.C. Lindq. & J.E. Wright 1964 (H)

Libertella Desm. 1830 (C)

Libertella-like, anamorphic *Barrmaelia* Rappaz 1995, *Creosphaeria* Theiss. 1910, *Jumillera* J.D. Rogers, Y.M. Ju & San Martín 1997 and *Lopadostoma* (Nitschke) Traverso 1906 (C)

Lindquistia Subram. & Chandrash. 1977, anamorphic *Poronia* Willd. 1787 (H)

Masoniomyces J.L. Crane & Dumont 1975, anamorphic *Camillea* Fr. 1849 (H)

Mirandina-like, anamorphic *Kretzschmariella* Viégas 1944 (H)

Moelleroclavus Henn. 1902, anamorphic *Xylaria* Hill ex Schrank 1789 (H)

Muscodor Worapong, Strobel & W.M. Hess 2001 (H)

Nodulisporium Preuss 1849, anamorphic *Annulohypoxyton* Y.M. Ju, J.D. Rogers & H.M. Hsieh 2005, *Biscogniauxia* Kuntze 1891, *Daldinia* Ces. & De Not. 1863, *Entonaema* Möller 1901, *Hypoxyton* Bull. 1791, *Induratia* Samuels, E. Müll. & O. Petrini, *Pyrenomyxa* Morgan 1895 (as *Pulveria* Malloch & Rogerson 1977), *Thamnomyces* Ehrenb. 1820, *Theissenia* Maubl. 1914, *Thuemenella* Penz. & Sacc. 1898 and *Xylaria* Hill ex Schrank (H)

Nodulosporium-like, anamorphic *Rhopalostroma* D. Hawksw. 1977 and *Ruwenzoria* J. Fornier, M. Stadler, Læssøe & C. Decock 2010 (H)

Padixonia Subram. 1972, anamorphic *Xylaria* Hill ex Schrank (H)

Rhinochadiella-like, anamorphic *Obolarina* Pouzar 1986 (H)

Sporothrix-like, anamorphic *Rostrohypoxylon* J. Fourn. & M. Stadler 2010 and *Ruwenzoria* J. Fournier, M. Stadler, Læssøe & C. Decock 2010 (H)

Triplicaria P. Karst. 1889, anamorphic *Hypoxylon* Bull. 1791 (H)

Virgaria Nees 1816, anamorphic *Ascovirgaria* J.D. Rogers & Y.M. Ju 2002 (H)

Virgariella-like, anamorphic *Hypoxylon* Bull. 1791 (H)

Vivantia J.D. Rogers, Y.M. Ju & Cand. 1996 (H)

Xylocladium P. Syd. ex Lindau 1900, anamorphic *Camillea* Fr. 1849 (H)

Xylocoremium J.D. Rogers 1984, anamorphic *Xylaria* Hill ex Schrank 1789 (H)

Xylariales, genera *incertae sedis*

Chaetochalara B. Sutton & Piroz. 1965 (H)

Chalara (Corda) Rabenh. 1844 (H)*

Hadrotrichum Fuckel 1865 (H)

Humicola-like, anamorphic *Ascotrichella* Valldos. & Guarro 1988 (H)

Idriella P.E. Nelson & S. Wilh. 1956, anamorphic *Phomatospora* Sacc. 1875 (H)

Melanographium Sacc. 1913, possibly anamorphic *Lasiobertia* Sivan. 1978 (H)

Nodulisporium-like, anamorphic *Coniolaria* D. Garcíá, Stchigel & Guarro (H)

Rhinochadiella-like, anamorphic *Coniolaria* D. Garcíá, Stchigel & Guarro (H)

Selenosporella G. Arnaud ex MacGarvie 1969, anamorphic *Diatrypasimilis* J. Zhou, & Kohlm. 2010 (H)

Sporidesmina Subram. & Bhat 1989 (H)

Subramaniomyces Varghese & V.G. Rao 1980 (H)

Sordariomycetes, orders *incertae sedis*

Lulworthiales Kohlm., Spatafora & Volkm.-Kohlm.

Lulworthiaceae Kohlm., Spatafora & Volkm.-Kohlm.

Anguillospora Ingold 1942, anamorphic *Lindra* I.M. Wilson 1956 (H)

Cumulospora I. Schmidt 1985, anamorphic *Lulwoana* Kohlm., Volkm.-

Kohlm., J. Campb., Spatafora & Gräfenhan 2005 and *Lulworthia* G.K. Sutherl. 1916 (H)

Halazon Abdel-Aziz, Abdel-Wahab & Nagahama 2010, anamorphic *Lulworthia* G.K. Sutherl. 1916 (C)

Hydea K.L. Pang & E.B.G. Jones 2010 (H)

Matsusporium E.B.G. Jones & K.L. Pang 2010 (H)

Moleospora Abdel-Wahab, Abdel-Aziz & Nagahama 2010 (H)

Moromyces Abdel-Wahab, K.L. Pang, Nagahama, Abdel-Aziz & E.B.G. Jones 2010 (H)

Zalerion R.T. Moore & Meyers 1962, anamorphic *Lulwoana* Kohlm., Volkm.-Kohlm., J. Campb., Spatafora & Gräfenhan 2005 (H)

Lulworthiales, genera *incertae sedis*

Halazoön Abdel-Aziz, Abdel Wahab & Nagah. 2011 (H)

Phyllachorales M.E. Barr

Phyllachoraceae Theiss. & H. Syd.

Acervicypeatus Hanlin 1990, anamorphic *Ophiodothella* Boyd 1934 (C)

Baeumleria Petr. & Syd. 1927, anamorphic *Phyllachora* Nitschke ex Fuckel 1870 (as *Trabutia* Sacc. & Roum. 1881) (C)

Colletogloeum-like, anamorphic *Coccolidiella* Hara 1909 (C)

Cyclodomus Höhn. 1909, anamorphic *Maculatifrons* K.D. Hyde 1996 (C)

Diachorella Höhn. 1918, anamorphic *Diachora* Müll. 1893 (C)

Hysterodiscula Petr. 1942, anamorphic *Orphnodactylis* Malloch & A. Mallik 1998 (C)

Linochora Höhn. 1910, anamorphic *Phyllachora* Nitschke ex Fuckel 1870 (C)

Mycohypallage B. Sutton 1963, anamorphic *Deshpandiella* Kamat & Ullasa 1973 (C)

Oswaldina Rangel 1921, anamorphic *Apiosphaeria* Höhn. 1909 (C)

Polystigmia Sacc. 1884, anamorphic *Polystigma* DC. 1815 (C)

Pseudothiopsella Petr. 1928, anamorphic *Pseudothiella* Petr. 1928 (C)

Rhodosticta Woron. 1911, anamorphic
Polystigma DC. 1815 and *Stigmatula*
 (Sacc.) Syd. & P. Syd. 1901 (C)

Trichosphaeriales M.E. Barr 1983

Trichosphaeriaceae G. Winter 1885

Brachysporium Sacc. 1886, anamorphic
Cryptadelphia Réblová & Seifert 2004
 (H)

Koorchaloma Subram. 1953, anamorphic
Kananascus Nag Raj 1984 (H)

Stanjehughesia Subram. 1992, anamorphic
Miyoshiella Kawam. 1929 and *Umbri-*
nosphaeria Réblová 1999 (H)

Stromatographium Höhn. 1907, anamor-
 phic *Fluviostroma* Samuels & E. Müll.
 1980 (H)

Sordariomycetes, family *incertae sedis*

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

Arthrimum Kunze 1817, anamorphic *Api-*
spora Sacc. 1875 (H)

Cordella Speg. 1886, anamorphic *Api-*
spora Sacc. 1875 (H)

Pteroconium Sacc. ex Grove 1914, anamo-
 rphic *Apiospora* Sacc. 1875 (H)

Scyphospora L.A. Kantsch. 1928, anamor-
 phic *Apiospora* Sacc. 1875 (C)

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

Pleurocytospora Petr. 1923, anamorphic
Thyridium Nitschke 1867 (C)

Sordariomycetes, genera *incertae sedis*

Cryptomycella Höhn. 1925, anamorphic
Cryptomycina Höhn. 1977 (C)

?*Custingophora* Stolk, Hennebert & Klo-
 potek 1968 (H)

Didymostilbe-like, anamorphic *Ornatispo-*
ra K.D. Hyde, Goh, Joanne E. Taylor,
 J. Fröhl. 1999 (H)

Dinemasporium Lév. 1846, anamorphic
Phomatospora Sacc. 1875 (C)

Ellisembia Subram. 1992 (H)

Linkosia A. Hern. Gut. & B. Sutton 1997
 (H)

Myrmecridium Arzanlou, W. Gams &
 Crous 2007 (H)

Nigrospora Zimm. 1902, anamorphic
Khuskia H.J. Huds. 1963 (H)

Penicillifer Emden 1968, anamorphic

Stellosetifera Matsush. 1996 (H)

Phomatosporella Tak. Kobay. & K. Sasaki
 1982, anamorphic *Phomatospora* Sacc.
 1875 (C)

Ramichloridium-like, anamorphic *Tectoni-*
dula Réblová 2009 (H)

Sporothrix-like, anamorphic *Phomato-*
spora Sacc. 1875 and *Tectonidula* Réb-
 lová 2009 (H)

Subphylum PEZIZOMYCOTINA, orders
incertae sedis

Lahmiales O. E. Erikss.

Lahmiaceae O. E. Erikss.

Cyphellophora G.A. de Vries 1962, ana-
 morphic *Lahmia* Körb. 1861 (H)

ASCOMYCOTA, families *incertae sedis*

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

Amorphothecaceae Parbery

Hormoconis Arx & G.A. de Vries 1973,
 anamorphic *Amorphotheca* Parbery
 1969 (H)

Batistiaceae Samuels & K.F. Rodrigues

Acrostroma Seifert 1987, anamorphic
Batistia Cif. 1958 (H)

Pseudeurotiaceae Malloch & Cain

Teberdina Sogonov, W. Gams, Summerb.
 & Schroers 2005, anamorphic *Pseudeu-*
rotium J.F.H. Beyma 1937 (H)

Seuratiaceae Vuill. ex M.E. Barr

Atichia Flot. 1850, anamorphic *Seuratia*
 Pat. 1904 (H)

ASCOMYCOTA, genera *incertae sedis*

Abropelta B. Sutton 1986 (C)

Acarellina Bat. & H. Maia 1960 (C)

Acaroconium Kocourk. & D. Hawksw.
 2008 (C)

Acarocybe Syd. 1937 (H)

Acarocybella M.B. Ellis 1960 (H)

Acarocybellina Subram. 1992 (H)

Acarocybiopsis J. Mena, A. Hern. Gut. &
 Mercado 1999 (H)

Acaropeltis Petr. 1937 (C)

- Achoropeltis* Syd. 1929 (C)
Aciculariella G. Arnaud 1954 (H)
Acontium Morgan 1902 (H)
Acremoniula G. Arnaud 1954 (H)
Acrodictyella W.A. Baker & Partr. 2001 (H)

Acrodictyopsis P.M. Kirk 1983 (H)
Acrodictys M.B. Ellis 1961 (H)
Acrodontiella U. Braun & Scheuer 1995 (H)
Acrophragmis Kiffer & Reisinger 1970 (H)
Acrostaurus Deighton & Piroz. 1972 (H)
Actinocladium Ehrenb. 1819 (H)
Actinotexis Arx 1960 (C)
Actinothecium Ces. 1854 (H)
Actinothyrium Kunze 1823 (C)
Acumispora Matsush. 1980 (H)
Aegeritella Balazy & J. Wiśn. 1974 (H)
Aenigmatospora R.F. Castañeda, Saikawa, Guarro & Caldusch 1999 (?H)
Agaricodochium X.J. Liu 1981 (H)
Agarwalomyces R.K. Verma & Kamal 1987 (H)
Agrabeeja Subram. 1995 (H)
Agyriella Sacc. 1884 (H)
Agyriellopsis Höhn. 1903 (C)
Ahmadia Syd. 1939 (C)
Ajrekarella Kamat & Kalani 1964 (C)
Alatosessilispora K. Ando & Tubaki 1984 (H)
Alciphila Harmaja 2002 (H)
Algonquinia R.F. Castañeda & W.B. Kendr. 1991 (H)
Alloneottiosporina Nag Raj 1993 (C)
Allothyriella Bat., Cif. & Nascim. 1959 (C)
Allothyrina Bat. & J.L. Bezerra 1964 (C)
Allothyriopsis Bat., Cif. & H. Maia 1959 (C)
Alpakesa Subram. & K. Ramakr. 1954 (C)
Alpakesiopsis Abbas, B. Sutton, Ghaffar & A. Abbas 2003 (C)
Alveophoma Alcalde 1952 (C)
Alysidiopsis B. Sutton 1973 (H)
Amallospora Penz. 1897 (H)
Amblyosporium Fresen. 1863 (H)
Amerodiscosiella M.L. Farr 1961 (C)
Amerodiscosiellina Bat. & Cavalc. 1966 (C)
Amerosporiopsis Petr. 1941 (C)

Amerosymphodula Matsush. 1996 (H)
Amoenodochium Peláez & R.F. Castañeda 1996 (H)
Amoenomyces R.F. Castañeda, Saikawa & Hennebert 1996 (H)
Amphichaetella Höhn. 1916 (H)
Amphophialis R.F. Castañeda, W.B. Kendr. & Guarro 1998 (H)
Amphoropycnium Bat. 1963 (C)
Ampullicephala R.F. Castañeda, Minter & M. Stadler 2009 (H)
Ampulliferina B. Sutton 1969 (H)
Anaphysmene Bubák 1906 (C)
Anarhyma M.H. Pei & Z.W. Yuan 1986 (C)
Anaselenosporella Heredia, R.F. Castañeda & R.M. Arias 2010 (H)
Ancoraspora Mig. Rodr. 1982 (H)
Ancorasporella J. Mena, Mercado & Heredia 1998 (H)
Angiopomopsis Höhn. 1912 (C)
Angulospora Sv. Nilsson 1962 (H)
Annellodentimyces Matsush. 1985 (H)
Annellodochium Deighton 1969 (H)
Annellolacinia B. Sutton 1964 (C)
Annellophora S. Hughes 1952 (H)
Annellophorella Subram. 1962 (H)
Annellophragmia Subram. 1963 (H)
Annellosympodia McTaggart, R.G. Shivas & U. Braun 2007 (H)
Antennopsis R. Heim 1952 (H)
Anthopsis Fil. March., A. Fontana & Luppi Mosca 1977 (H)
Anthracoderma Speg. 1888 (C)
Antromyces Fresen. 1850 (H)
Anulohypha Cif. 1962 (H)
Anungitea B. Sutton 1973 (H)
Anungitopsis R.F. Castañeda & W.B. Kendr. 1990 (H)
Aoria Cif. 1962 (C)
Aphanofalx B. Sutton 1986 (C)
Apiocarpella Syd. & P. Syd. 1919 (C)
Apogloeum Petr. 1954 (C)
Aporellula B. Sutton 1986 (C)
Aposporella Thaxt. 1920 (H)
Arachnophora Hennebert 1963 (H)
Arachnospora R.F. Castañeda, Minter & Camino 2003 (H)
Arborillus Munt.-Cvetk. & Gómez-Bolea 1998 (H)
Arborispora K. Ando 1986 (H)
Arbusculina Marvanová & Descals 1987

- (H)
Arcuadendron Sigler & J.W. Carmich. 1976 (H)
Ardhachandra Subram. & Sudha 1978 (H)
Argopericonia B. Sutton & Pascoe 1987 (H)
Aristastoma Tehon 1933 (C)
Arthrobotryum Ces. 1854 (C)
Arthrocladium Papendorf 1969 (H)
Arthrocristula Sigler, M.T. Dunn & J.W. Carmich. 1982 (H)
Arthrosporium Sacc. 1880 (H)
Arthrowallemia R.F. Castañeda, Dania García & Guarro 1998 (H)
Articulophora C.J.K. Wang & B. Sutton 1982 (H)
Artocarpomyces Subram. 1996 (H)
Arxiella Papendorf 1967 (H)
Asbolisiomyces Bat. & H. Maia 1961 (C)
Ascochytopsis Henn. 1905 (C)
Ascochytulina Petr. 1922 (C)
Ascospora Mont. 1849 (C)
Ashtaangam Subram. 1995 (H)
Aspilaima Bat. & H. Maia 1961 (C)
Astelechia Cif. 1962 (H)
Asterinothyriella Bat. & Cif. 1959 (C)
Asterinothyrium Bat., Cif. & H. Maia 1959 (C)
Asteroconium Syd. & P. Syd. 1903 (C)
Asteromyces F. Moreau & V. Moreau, in Hennenert 1962 (H)
Asterostomopora Bat. & H. Maia 1960 (C)
Asterostomopsis Bat., Cif. & H. Maia 1959 (C)
Asterostomulina Bat., J.L. Bezerra & H. Maia 1964 (C)
Astronatelia Bat. & H. Maia 1962 (C)
Atractilina Dearn. & Barthol. 1924 (H)
Atrosetiphiale Matsush. 1995 (H)
Aurantiosacculus Dyko & B. Sutton 1979 (C)
Aurosphaeria Sun J. Lee, Strobel, Eisenman, Geary, Vargas & S.A. Strobel 2009 (C)
Avesicladiella W.P. Wu, B. Sutton & Gange 1997 (H)
Avettaea Petr. & Syd. 1927 (C)
Bachmanniomyces D. Hawksw. 1981 (C)
Bacillopeltis Bat. 1957 (C)
Bactridiopsis Henn. 1904 (H)
Bactridium Kunze 1817 (H)
Bactrodesmiastrum Hol.-Jech 1984 (H)
Bactrodesmiella M.B. Ellis 1959 (H)
Badarisama Kunwar, J.B. Manandhar & J.B. Sinclair 1986 (H)
Bahuchashaka Subram. 1978 (H)
Bahugada K.A. Reddy & Vasant Rao 1984 (H)
Bahukalasa Subram. & Chandrash. 1979 (H)
Bahusandhika Subram. 1956 (H)
Balaniopsis P.M. Kirk 1985 (H)
Balanium Wallr. 1833 (H)
Barbarosporina Kırlis 1942 (C)
Barnettella D. Rao & P.Rag. Rao 1964 (C)
Basauxia Subram. 1995 (H)
Batistina Peres 1961 (C)
Beauveriphora Matsush 1975 (H)
Beccopycnidium F. Stevens 1930 (C)
Beejadwaya Subram. 1978 (H)
Belemnospore P.M. Kirk 1981 (H)
Bellulicauda B. Sutton 1967 (C)
Beltrania Penz. 1882 (H)
Beltraniomyces Monohar, D.K. Agarwal & Rao 2003 (H)
Beltraniopsis Bat. & J.L. Bezerra 1960 (H)
Beniowskia Racib. 1900 (H)
Benjaminia S. Ahmad 1967 (C)
Benjpalia Subram. & Bhat 1989 (H)
Bharatheeya D'Souza & Bhat 2002 (H)
Bhatia W.A. Baker & Morgan-Jones 2009 (H)
Bibanasiella R.F. Castañeda & W.B. Kendr. 1991 (H)
Biflagellospora Matsush. 1975 (H)
Biflagellosporella Matsush. 1993 (H)
Bimeris Petr. 1949 (C)
Bioconiosporium Bat. & J.L. Bezerra 1964 (H)
Biophomopsis Petr. 1931 (C)
Bispora Corda 1837 (H)
Bisseomyces R.F. Castañeda 1985 (H)
Blarneya D. Hawksw., Coppins & P. James 1980 (H)
Blastacervulus H.J. Swart 1988 (C)
Blastocatena Subram. & Bhat 1989 (H)
Blastodictys M.B. Ellis 1976 (H)
Blastofusarioides Matsush. 1996 (H)
Blastophorella Boedijn 1937 (H)
Blastophorum Matsush. 1971 (H)
Blastophragma Subram. 1995 (H)
Blennoria Moug. & Fr. 1825 (C)
Blennoriopsis Petr. 1919 (C)
Blodgettia Harv. 1858 (H)

- Bomplandiella* Speg. 1886 (H)
Bostrichonema Ces. 1867 (H)
Botryoderma Papendorf & H.P. Upadhyay
 1969 (H)
Botryodiplodina Dias & Sousa da Câmara
 1954 (C)
Botryomonilia Goos & Piroz. 1975 (H)
Botryosporium Corda 1831 (H)
Brachydesmiella G. Arnaud ex S. Hughes
 1961 (H)
Brachysporiellina Subram. & Bhat 1989
 (H)
Brachysporiopsis Yanna, W.H. Ho & K.D.
 Hyde 2004 (H)
Brefeldiopycnis Petr. & Cif. 1932 (H)
Brevicatenospora R.F. Castañeda, Minter
 & Saikawa 2006 (H)
Briosia Cavara 1888 (H)
Brycekendrickia Nag Raj 1973 (C)
Bulbilopycnis Matsush. 1996 (C)
Bulbocatenospora R.F. Castañeda & Iturr.
 2000 (H)
Bullaserpens Bat., J.L. Bezerra & Cavalc.
 1965 (C)
Calcarispora Marvanová & Marvan 1963
 (H)
Calcarisporiella de Hoog 1974 (H)
Calceispora Matsush. 1975 (H)
Callistospora Petr. 1955 (C)
Calocline Syd. 1939 (C)
 ?*Calongia* D. Hawksw. & Etayo 2010 (H)
Camarographium Bubák 1916 (C)
Camaropycnis E.K. Cash 1945 (C)
Camarosporellum Tassi 1902 (C)
Camarosporiopsis Abbas, B. Sutton &
 Ghaffar 2000 (C)
Camposporidium Nawawi & Kuthub. 1988
 (H)
Camptomeris Syd. 1927 (H)
Campylospora Ranzoni 1953 (H)
Candelabrum Beverw. 1951 (H)
Candelosynnema K.D. Hyde & Seifert
 1992 (H)
Capitrostrum Bat. 1957 (C)
Capsicumyces Gamundí, Aramb. &
 Giaiotti 1979 (H)
Carrismyces R.F. Castañeda & Heredia
 2000 (H)
Castanedaea W.A. Baker & Partr. 2001
 (H)
Catenella Bat. & Peres 1963 (C)
Catenocuneiphora Matsush. 2003 (H)
Catenophora Luttr. 1940 (C)
Catenophoropsis Nag Raj & W.B. Kendr.
 1988 (C)
Catenospegazzinia Subram. 1991 (H)
Catenosubulispora Matsush. 1971 (H)
Catenosynnema Kodsueb, K.D. Hyde &
 W.H. Ho 2007 (H)
Catenulaster Bat. & C.A.A. Costa 1959
 (C)
Catinopeltis Bat. & C.A.A. Costa 1957
 (C)
Catinula Lév. 1848 (C)
Ceeveesubramaniomyces Pratibha, K.D.
 Hyde & Bhat 2005 (H)
Ceratocladium Corda 1839 (H)
Ceratophorum Sacc. 1880 (H)
Ceratopycnis Höhn. 1915 (C)
Ceratosporella Höhn. 1923 (H)
Cercosperma G. Arnaud ex B. Sutton &
 Hodges 1983 (H)
Ceuthosira Petr. 1924 (C)
Ceuthosporella Petr. & Syd. 1923 (C)
Chaetendophragma Matsush. 1971 (H)
Chaetoblastophorum Morgan-Jones 1977
 (H)
Chaetocystostroma Petr. 1920 (C)
Chaetodiplis Clem. 1931 (C)
Chaetodiplodia P. Karst. 1884 (C)
Chaetodiplodina Speg. 1910(C)
Chaetopeltaster Katum. 1975 (C)
Chaetophiophoma Speg. 1910 (C)
Chaetophoma Cooke 1878 (C)
Chaetopsis Grev. 1825 (H)
Chaetopyrena Pass. 1881 (C)
Chaetoseptoria Tehon 1937 (C)
Chalarodendron C.J.K. Wang & B. Sutton
 1984 (H)
Chalarodes McKenzie 1991 (H)
Chantransiopsis Thaxt. 1914 (H)
Characonidia Bat. & Cavalc. 1965 (C)
Charomyces Seifert 1987 (H)
Chasakopama Manohar., Bagyan., N.K.
 Rao & Kunwar 2009 (H)
Cheilaria Lib. 1830 (C)
Cheiroidea W.A. Baker & Morgan-Jones
 2009 (H)
Cheiromyceopsis Mercado & J. Mena
 1988 (H)
Cheiromyces Berk. & M.A. Curtis 1857
 (H)
Cheiromycina B. Sutton 1986 (H)

- Cheiropolyschema* Matsush. 1980 (H)
Cheirospora Moug. & Fr. 1825 (C)
Chiastospora Riess 1852 (C)
Chikaneea B. Sutton 1973 (H)
Chithramia Nag Raj 1988 (C)
Chlamydomyces Bainier 1907 (H)
Chlamydopsis Hol.-Jech. & R.F. Castañeda 1986 (H)
Choanatiara DiCosmo 1984 (C)
Choreospora Constant. & R. Sant. 1987 (H)
Chromosporium Corda 1829 (H)
Chrysachne Cif. 1938 (H)
Chrysalidopsis Steyaert 1961 (C)
Chryseidea Onofri 1981 (H)
Ciferria Gonz. Frag. 1925 (C)
Ciferriella Petr. 1930 (C)
Ciferrina Petr. 1932 (C)
Ciferriopeltis Bat. & H. Maia 1965 (C)
Ciliochora Höhn. 1919 (C)
Ciliochorella Syd. 1935 (C)
Ciliophora Petr. 1929 (C)
Ciliophorella Petr. 1940 (C)
Ciliosporella Petr. 1927 (C)
Circinoconis Boedijn 1942 (H)
Circinotrichum Nees 1816 (H)
Cirrosporium S. Hughes 1980 (C)
Cissococcomyces Brain 1923
Civisubramania Vittal & Dorai 1986 (H)
Cladochasiella Marvanová 1997 (H)
Cladoconidium Bandoni & Tubaki 1985 (H)
Cladoniicola Diederich, van den Boom & Aptroot 2001 (C)
Cladosporiella Deighton 1965 (H)
Clasteropycnis Bat. & Cavalc. 1963 (C)
Clathroconium Samson & H.C. Evans 1982 (H)
Clauzadeomyces Diederich 1994 (H)
Clavariana Nawawi 1976 (H)
Cleistocystis Sousa da Câmara 1931 (C)
Cleistophoma Petr. & Syd. 1927 (C)
Clithramia Nag Raj 1988 (C)
Clohesyomyces K.D. Hyde 1993 (C)
Clypeochorella Petr. 1923 (C)
Clypeopatella Petr. 1942 (C)
Clypeophialophora Bat. & Peres 1962 (C)
Clypeopycnis Petr. 1925 (C)
Clypeoseptoria F. Stevens & P.A. Young 1925 (C)
Clypeostagonospora Punith. 1981 (C)
Coccogloeum Petr. 1955 (C)
Codonmyces Calat. & Etayo 1999 (H)
Colemaniella Agnihothr. 1974 (H)
Coleodictyospora Charles 1929 (H)
Coleophoma Höhn. 1907 (C)
Coleoseptoria Petr. 1940 (C)
Colispora Marvanová 1988 (H)
Collembolispora Marvanová & Pascoal 2003 (H)
Colleticonis de Hoog & Aa 1978 (C)
Colletosporium Link 1824 (H)
Collostroma Petr. 1947 (C)
Columnodomus Petr. 1941 (C)
Columnothyrium Bubák 1916 (C)
Comatospora Piroz. & Shoemaker 1971 (C)
Comocephalum Syd. 1939 (C)
Condylospora Nawawi 1976 (H)
Coniambigua Etayo & Diederich 1995 (C)
Conicomycetes R.C. Sinclair, Eicker & Morgan-Jones 1983 (H)
Conioscyphopsis Goh & K.D. Hyde 1998 (H)
Coniothyria Syd. 1912 (C)
Coniozyma Crous 2008 (C)
Conjunctospora Udagawa & Uchiy. 1999 (H)
Conostoma Bat. & J.L. Bezerra 1965 (C)
Consetiella Hol.-Jech. & Mercado 1982 (H)
Coremiella Bubák & K. Krieg. 1912 (H)
Cornucopiella Höhn. 1915 (C)
Cornutispora Piroz. 1973 (C)
Cornutostilbe Seifert 1990 (H)
Corynecercospora V.K. Pal, Akhtar, N. Ahmad, Kamal & D.K. Agarwal 2006 (H)
Corynesporella Munjal & H.S. Gill 1961 (H)
Corynesporina Subram. 2009 (H)
Corynesporopsis P.M. Kirk 1981 (H)
Costanettoa Bat. & J.L. Bezerra 1963 (C)
Craneomyces Morgan-Jones, R.C. Sinclair & Eicker 1987 (H)
Creodiplodina Petr. 1957 (C)
Creonecte Petr. 1949 (C)
Creoseptoria Petr. 1937 (C)
Creothyriella Bat. & C.A.A. Costa 1957 (C)
Cribropeltis Tehon 1933 (C)
Crinitospora B. Sutton & Alcorn 1985 (C)
Crucellisporiopsis Nag Raj 1983 (C)

- Crustodiplodina* Punith. 1988 (C)
Cryptoceuthospora Petr. 1921 (C)
Cryptocoryneopsis B. Sutton 1980 (H)
Cryptocoryneum Fuckel 1870 (H)
Cryptophialoidea Kuthub. & Nawawi 1987 (H)
Cryptosporium Kunze 1817 (C)
Cryptostroma P.H. Greg. & S. Waller 1952 (H)
Cryptumbellata Udagawa & Uchiy. 1999 (H)
Ctenosporium R. Kirschner 2006 (H)
Cubasina R.F. Castañeda 1986 (H)
Culicidospora R.H. Petersen 1960 (H)
Culicinomyces Couch, Romney & B. Rao 1974 (H)
Curucispora Matsush. 1981 (H)
Curvulariopsis M.B. Ellis 1961 (H)
Cyanopatella Petr. 1949 (C)
Cyclomarsonina Petr. 1965 (C)
Cylindrium Bonord. 1851 (H)
Cylindrocarpostylus R. Kirschner & Oberw. 1999 (H)
Cylindrodendrum Bonord. 1851 (H)
Cylindrogloeum Petr. 1941 (C)
Cylindromyces Manohar., D.K. Agarwal & N.K. Rao 2004 (H)
Cylindrosympodium W.B. Kendr. & R.F. Castañeda 1990 (H)
Cylindrothyrium Maire 1907 (C)
Cylindroxypium Bat. & Cif. 1963 (C)
Cymbothyrium Petr. 1947 (C)
Cyrenella Goch. 1981 (H)
Cystidiella Malan 1943 (Y)
Cystotrichiopsis B.A. Abbas, B. Sutton & Ghaffar 2001 (C)
Cytodiscula Petr. 1931 (C)
Cytogloeum Petr. 1925 (C)
Cytosphaema Höhn. 1914 (C)
Cytoplacosphaeria Petr. 1920 (C)
Cytopleastrum Abbas, B. Sutton, Ghaffar & A. Abbas 2004 (C)
Cytosphaera Died. 1916 (C)
Cytosporella Sacc. 1884 (C)
Cytostagonospora Bubák 1916 (C)
Dactylifera Alcorn 1987 (H)
Dactylosporium Harz 1871 (H)
Dasysticta Speng. 1912 (C)
Davisiella Petr. 1924 (C)
Dearnessia Bubák 1916 (C)
Deccanodia Singhai 1974 (C)
Deichmannia Alstrup & D. Hawksw. 1990 (H)
Delortia Pat. & Gaillard 1888 (H)
Dendroclathra Voglmayr & G. Delgado 2001 (H)
Dendrodomus Bubák 1915 (C)
Dendrographiella Agnihotr. 1972 (H)
Dendrographium Masee 1892 (H)
Dendroseptoria Alcalde 1948 (C)
Dendrospora Ingold 1943 (H)
Dendrosporium Plakidas & Edgerton ex J.L. Crane 1972 (H)
Dendryphiosphaera Lunghini & Rambelli 1978 (H)
Dennisographium Rifai 1977 (H)
Denticularia Deighton 1972 (H)
Dentocircinomyces R.F. Castañeda & W.B. Kendr. 1990 (H)
Derexia Naras. 1970 (H)
Descalsia A. Roldán & Honrubia 1989 (H)
Desertella Mouch. 1979 (H)
Desmidiospora Thaxt. 1891 (H)
Dexhowardia J.J. Taylor 1970 (H)
Diademospora B.E. Söderstr. & Bååth 1979 (H)
Dialaceniopsis Bat. 1959 (C)
Diarimella B. Sutton 1980 (C)
Dichelostroma Bat. & Peres 1963 (C)
Dicholobodigitus G.P. White & Illman 1988 (H)
Dichotomophthora Mehrl. & Fitzp. ex P.N. Rao 1966 (H)
Dichotomophthoropsis M.B. Ellis 1971 (H)
Dictyoarthrinium S. Hughes 1952 (H)
Dictyocatenulata Finley & E.F. Morris 1967 (H)
Dictyodesmium S. Hughes 1951 (H)
Dictyophrynella Bat. & Cavalc. 1964 (H)
Dictyopolyschema M.B. Ellis 1976 (H)
Dictyorostrella U. Braun 1999 (H)
Dictyospiropes M.B. Ellis 1976 (H)
Didymochaeta Sacc. & Ellis 1898 (C)
Didymochaetina Bat. & J.L. Bezerra 1965 (C)
Didymopsis Sacc. & Marchal 1885 (H)
Didymosporina Höhn. 1916 (C)
Diedickeia Syd. & P. Syd. 1913 (C)
Digitatispora Doguet 1962 (H)
Digitodochium Tubaki & Kubono 1989 (H)

- Digitomyces* Mercado, M. Calduch & Gené 2003 (H)
- Digitopodium* U. Braun, Heuchert & K. Schub. 2005 (H)
- Digitoramispora* R.F. Castañeda & W.B. Kendr. 1990 (H)
- Dimastigosporium* Faurel & Schotter 1965 (C)
- Diplocladiella* G. Arnaud ex M.B. Ellis 1976 (H)
- Diplodinis* Clem. 1931 (C)
- Diplodinula* Tassi 1902 (C)
- Diplolaeviopsis* Giralt & D. Hawksw. 1991 (C)
- Diploplenodomus* Died. 1912 (C)
- Diplozythiella* Died. 1916 (C)
- Discomycetoidea* Matsush. 1993 (H)
- Discosiellina* Subram. & K.R.C. Reddy 1972 (C)
- Discosporina* Höhn. 1927 (C)
- Discotheciella* Syd. & P. Syd 1917 (C)
- Discozythia* Petr. 1922 (C)
- Dissitimurus* E.g. Simmons, McGinnis & Rinaldi 1987 (H)
- Ditangifibula* G.C. Adams 1996 (H)
- Dokmaia* I. Promputtha 2003 (H)
- Domingoella* Petr. & Cif. 1932 (H)
- Dothideodiplodia* Murashk. 1927 (C)
- Dothioropsis* Riedl 1974 (C)
- Drepanospora* Berk. & M.A. Curtis 1875 (H)
- Drudeola* Kuntze 1891 (C)
- Drumopama* Subram. 1957 (H)
- Dryosphaera* Jørg. Koch & E.B.G. Jones 1989 (C)
- Dualomyces* Matsush. 1987 (H)
- Dwayabeeja* Subram. 1958 (H)
- Dwayaloma* Subram. 1957 (H)
- Dwayalomella* Brisson, Piroz. & Pauzé 1975 (C)
- Dwibahubeeja* N. Srivast., A.K. Srivast. & Kamal 1995 (H)
- Dwibeeja* Subram. 1995 (H)
- Dwiropella* Subram. & Muthumary 1986 (C)
- Echinocatena* R. Campb. & B. Sutton 1977 (H)
- Echinochondrium* Samson & Aa 1975 (H)
- Echinoconidiophorum* Pereira-Carv. & Dianese 2009 (H)
- Elachopeltella* Bat. & Cavalc. 1964 (C)
- Elattopycnis* Bat. & Cavalc. 1964 (C)
- Elegantomyces* Goh, K.M. Tsui & K.D. Hyde 1998 (H)
- Eleutheromycella* Höhn. 1908 (C)
- Elletevera* Deighton 1969 (H)
- Ellisiella* Bat. 1956 (H)
- Elotespora* R.F. Castañeda & Heredia 2010 (H)
- Enantioptera* Descals 1983 (H)
- Endobotrya* Berk. & M.A. Curtis 1874 (C)
- Endobotryella* Höhn. 1909 (C)
- Endocalyx* Berk. & Broome 1876 (H)
- Endoconospora* Gjaerum 1971 (H)
- Endocoryneum* Petr. 1922 (C)
- Endogenospora* R.F. Castañeda, O. Morillo & Minter 2010 (H)
- Endophragmiopsis* M.B. Ellis 1966 (H)
- Endoplacodium* Petr. 1949 (C)
- Endoramularia* Petr. 1923 (C)
- Endosporoideus* W.H. Ho, Yanna, K.D. Hyde & Goh 2005 (H)
- Endozythia* Petr. 1959 (C)
- Enerthidium* Syd. 1939 (C)
- Engelhardtiella* A. Funk 1973 (H)
- Enridescalsia* R.F. Castañeda & Guarro 1998 (H)
- Enthallopycnidium* F. Stevens 1925 (C)
- Entoderma* Hanula, Andreadis & M. Blackw. 1991 (C)
- Epaphroconidia* Calat. & V. Atienza 1995 (C)
- Ephelidium* C.W. Dodge & E.D. Rudolph 1955 (C)
- Epicladonia* D. Hawksw. 1981 (C)
- Epiclinium* Fr. 1849 (C)
- Epicoccospora* Budathoki & S.K. Singh 1995 (?C)
- Epidermidophyton* E. Lang 1879 (H)
- Epidochiopsis* P. Karst. 1892 (H)
- Episporogoniella* U. Braun 1994 (H)
- Epistigme* Syd. 1924 (C)
- Eriocercospora* Deighton 1969 (H)
- Eriocercosporella* Rak. Kumar, A.N. Rai & Kamal ex U. Braun 1998 (H)
- Ernakulamia* Subram. 1996 (H)
- Erysiphopsis* Speg. 1910 (?C)
- Erythrogloeum* Petr. 1953 (C)
- Esdipatilia* Phadke 1981 (H)
- Esteya* J.Y. Liou, J.Y. Shih & Tzean 1999 (H)
- Eurotiopsis* P. Karst. 1889 (?C)
- Evanidomus* Caball. 1941 (C)
- Everhartia* Sacc. & Ellis 1882 (H)

- Everniicola* D. Hawksw. 1982 (C)
Eversia J.L. Crane & Schokn. 1977 (H)
Excipularia Sacc. 1884 (H)
Exochalara W. Gams & Hol.-Jech. 1976 (H)
Exophoma Weedon 1926 (C)
Exosporella Höhn. 1912 (H)
Exosporium Link 1809 (H)
Falcocladium S.F. Silveira, Alfenas, Crous & M.J. Wingf. 1994 (H)
Favostroma B. Sutton & E.M. Davison 1983 (C)
Fecundostilbum Prameela & Chowdhry 2009 (H)
Feltgeniomyces Dieder. 1990 (H)
Fensterconidia Calat. & Etayo 1999 (H)
Filosporella Nawawi 1976 (H)
Fissuricella Pore, D'Amatao & Ajello 1977 (H)
Flabellocladia Nawawi 1985 (H)
Flabellospora Alas. 1968 (H)
Flosculomyces B. Sutton 1978 (H)
Frigidisporea K.D. Hyde & Goh 1999 (C)
Fujimyces Minter & Caine 1980 (C)
Fuligomyces Morgan-Jones & Kamal 1984 (H)
Fumagopsis Speg. 1910 (H)
Funicularius K.K. Baker & Zaim 1979 (H)
Furcaspora Bonar 1965 (C)
Fusamen (Sacc.) P. Karst. 1890 (C)
Fusariella Sacc. 1884 (H)
Fusariopsis Horta 1919 (H)
Fuscophialis B. Sutton 1977 (H)
Fuscatena K. Matsush. & Matsush. 1996 (H)
Fusicolla Bonord. 1851 (H)
Fusisporella Speg. 1910 (H)
Fusticeps J. Webster & R.A. Davey 1980 (H)
Gamosporella Speg. 1888 (C)
Gampsonema Nag Raj 1975 (C)
Gangliophora Subram. 1992 (H)
Gangliostilbe Subram. & Vittal 1976 (H)
Garnaudia Borowska 1977 (H)
Gaubaea Petr. 1942 (C)
Geastrumia Bat. 1960 (C)
Gelatinocrinis Matsush. 1995 (H)
Gelatinopycnis Dyko & B. Sutton 1979 (C)
Geminoarcus K. Ando 1993 (H)
Gemmulina Descals & Marvanová 1999 (H)
Geniopila Marvanová & Descals 1985 (?C)
Gerulajacta Preuss 1855 (C)
Gilmaniella G.L. Barron 1964 (H)
Giulia Tassi 1904 (C)
Glaphyriopsis B. Sutton & Pascoe 1987 (C)
Glenosporopsis O.M. Fonseca 1943 (H)
Glioannellochium Matsush. 1989 (H)
Glioblastocladium Matsush. 1989 (H)
Globoconidiopsis G.F. Sepúlveda, Pereira-Carv. & Dianese 2009 (H)
Globoconidium G.F. Sepúlveda, Pereira-Carv. & Dianese 2009 (H)
Globuliroseum Sullia & K.R. Khan 1984 (H)
Gloeodes Colby 1920 (C)
Gloeosporiella Cavara 1892 (?H)
Gloiosphaera Höhn. 1902 (H)
Glutinium Fr. 1849 (C)
Glycyphila Mont. 1851 (H)
Goidanichiella G.L. Barron ex W. Gams 2009 (H)
Gonatobotryum Sacc. 1880 (H)
Gonatophragmiella Rak. Kumar, A.N. Rai & Kamal 1994 (H)
Gonatorrhodum Corda 1839 (H)
Goniopila Marvanová & Descals 1985 (H)
Goosiella Morgan-Jones, Kamal & R.K. Verma 1986 (H)
Goosomyces N.K. Rao & Manohar. 1989 (H)
Gorgomyces M. Gönczöl & Révay 1985 (H)
Grallomyces F. Stevens 1918 (H)
Granularia Sacc. & Ellis ex Sacc. 1882 (H)
Graphiothecium Fuckel 1870 (H)
Groveolopsis Boedijn 1951 (C)
Guedea Rambelli & Bartoli 1978 (H)
Gymnoxyphium Cif., Bat. & I.J. Araujo 1963 (C)
Gyoerffyella Kol 1928 (H)
Gyothrix (Corda) Corda 1842 (H)
Hadronema Syd. & P. Syd. 1909 (H)
Hadrosporium Syd. 1938 (H)
Halysiomycetes E.G. Simmons 1981 (H)
Halysium Corda 1837 (?H)
Hansfordia S. Hughes 1951 (H)
Hansfordiopeltis Bat. & C.A.A. Costa

- 1956 (C)
Hansfordiopeltopsis M.L. Farr 1986 (C)
Hapalosphaeria Syd. 1908 (C)
Haplariella Syd. & P. Syd. 1908 (H)
Haplariopsis Oudem. 1903 (H)
Haplobasidion Erikss. 1889 (H)
Haplolepis Syd. 1925 (C)
Haplosporidium Speg. 1912 (C)
Haptocara Drechsler 1975 (H)
Harmoniella V.N. Boriss. 1981 (H)
Harpographium Sacc. 1880 (H)
Hawksworthiana U. Braun 1988 (H)
Heimiodora Nicot 1960 (H)
Helhonia B. Sutton 1980 (C)
Helicofilia Matsush. 1983 (H)
Helicogoosia Hol.-Jech. 1991 (H)
Helicomina L.S. Olive 1948 (H)
Helicominopsis Deighton 1960 (H)
Helicorhoidion S. Hughes 1958 (H)
Helicosingula P.S. van Wyk, Marasas, Baard & Knox-Dav. 1985 (H)
Helicostilbe Höhn. 1902 (H)
Helicothyrium I. Hino & Katum. 1961 (C)
Helicoübisia Lunghini & Rambelli 1979 (H)
Heliscella Marvanová 1980 (H)
Heliscina Marvanová 1980 (H)
Helminthosporiomyces G.F. Sepúlveda, Pereira-Carv. & Dianese 2009 (H)
Hemibeltrania Piroz. 1963 (H)
Hemicorynesporella Subram. 1992 (H)
Hemidothis Syd. & P. Syd. 1916 (C)
Hemisphaeropsis Petr. 1947 (C)
Hemisynnema Subram. 1995 (H)
Hendersoniella Tassi 1900 (C)
Hendersonina E.J. Butler 1913 (C)
Hendersoniopsis Höhn. 1918 (C)
Hendersonulina Petr. 1951 (C)
Henicospora P.M. Kirk & B. Sutton 1980 (H)
Hermatomyces Speg. 1910 (H)
Herposira Syd. 1938 (H)
Herreromyces R.F. Castañeda & W.B. Kendr. 1991 (H)
Heterocephalum Thaxt. 1903 (H)
Heteroconidium Sawada 1944 (H)
Heterosporiopsis Petr. 1950 (H)
Hexacladium D.L. Olivier 1983 (H)
Himantia Pers. 1801 (H)
Hinoa Hara & I. Hino 1961
Hirudinaria Ces. 1856 (H)
Hoehneliella Bres. & Sacc. 1902 (C)
Holubovaea Mercado 1983 (H)
Homalopeltis Bat. & Valle 1961 (C)
Hormiactis Preuss 1851 (H)
Hormiscioideus M. Blackw. & Kimbr. 1979 (H)
Hormocephalum Syd. 1939 (H)
Hormocladium Höhn. 1923 (H)
Hormococcus Robak 1956 (C)
Hormographis Guarro, Punsola & Arx 1986 (H)
Hughesinia J.C. Lindq. & Gamundí 1970 (H)
Humicolopsis Verona 1977 (H)
Hyalocamposporium Révay & J. Gönczöl 2007 (H)
Hyalocladium Mustafa 1977 (H)
Hyalocylindrophora J.L. Crane & Dumont 1978 (H)
Hyalodictyum Woron. 1916 (C)
Hyalohelicomina T. Yokoy. 1974 (H)
Hyalopleiochaeta R.F. Castañeda, Guarro & Cano 1996 (H)
Hyalosynnema Matsush. 1975 (H)
Hyalothyridium Tassi 1900 (C)
Hyalotiastrum Abbas, B. Sutton, Ghaffar & Abbas 2003 (C)
Hyalotiella Papendorf 1967 (C)
Hyalotrochophora Finley & E.F. Morris 1967 (H)
Hydrometrospora J. Gönczöl & Révay 1985 (H)
Hymenella Fr. 1822 (H)
Hymeniopeltis Bat. 1959 (C)
Hymenobactron (Sacc.) Höhn. 1916 (H)
Hymenopsis Sacc. 1886 (C)
Hyphochlaena Cif. 1962 (H)
Hyphodiscosia Lodha & K.R.C. Reddy 1974 (H)
Hyphodiscosioides Matsush. 1993 (H)
Hyphopolynema Nag Raj 1977 (H)
Hyphostereum Pat. 1892 (C)
Hyphothyrium B. Sutton & Pascoe 1989 (H)
Hypocline Syd. 1939 (C)
Hypogloeum Petr. 1923 (C)
Hysteridium P. Karst. 1905 (C)
Hysteropycnis Hilitzer 1929 (C)
Ialomitzia Gruia 1964 (H)
Icerymyces Brain 1923 (C)
Idiocercus B. Sutton 1967 (C)
Impudentia Vujanović 2003 (H)
Inesiosporium R.F. Castañeda & W. Gams

- 1997 (H)
Infundibulomyces Plaingam, Somrith. & E.B.G. Jones 2003 (C)
Inifatiella R.F. Castañeda 1985 (H)
Intercalarispora J.L. Crane & Schokn. 1983 (H)
Intralichen D. Hawksw. & M.S. Cole 2002 (H)
Ionophragmium Peres 1961 (C)
Irpicomycetes Deighton 1969 (H)
Isariella Henn. 1908 (H)
Ischnostroma Syd. & P. Syd. 1914 (H)
Isthmologispora Matsush. 1971 (H)
Isthmophragmospora Kuthub. & Nawawi 1992 (H)
Isthmotricladia Matsush. 1971 (H)
Ityorhoptrum P.M. Kirk 1986 (H)
Iyengarina Subram. 1958 (H)
Jahniella Petr. 1921 (C)
Janetia M.B. Ellis 1976 (H)
Javonarxia Subram. 1995 (H)
Jerainum Nawawi & Kuthub. 1992 (H)
Jubispora B. Sutton & H.J. Swart 1986 (C)
Junctospora Minter & Hol.-Jech. 1981 (H)
Junewangia W.A. Baker & Morgan-Jones 2002 (H)
Kalamarospora G. Delgado 2011 ('2010) (H)
Kalchbrenneriella Diederich & M.S. Christ. 2002 (H)
Kaleidosporium Van Warmelo & B. Sutton 1981 (C)
Kamatella Anahosur 1969 (C)
Kamatia V.G. Rao & Subhedar 1976 (H)
Kameshwaromyces Kamal, R.K. Verma & Morgan-Jones 1986 (H)
Karsteniomyces D. Hawksw. 1980 (C)
Kendrickiella K. Jacobs & M.J. Wingf. 2001 (H)
Ketubakia Kamat, Varghese & V.G. Rao 1987 (H)
Kiliophora Kuthub. & Nawawi 1993 (H)
Kionocephala P.M. Kirk 1986 (H)
Kmetia Bres. & Sacc. 1902 (H)
Kmetiopsis Bat. & Peres 1960 (H)
Knemiothyrium Bat. & J.L. Bezerra 1960 (C)
Knufia L.J. Hutchison & Unter. 1996 (H)
Kodonospora K. Ando 1993 (H)
Kolletes Kohlm. & Volkm.-Kohlm. 2005 (H)
Kontospora A. Roldán, Honrubia & Marvanová 1990 (H)
Koorchalomella Chona, Munjal & J.N. Kapoor 1958 (H)
Korunomyces Hodges & F.A. Ferreira 1981 (H)
Kostermansinda Rifai 1968 (H)
Kostermansindiopsis R.F. Castañeda 1986 (H)
Kramabeeja G.V. Rao & K.A. Reddy 1981 (H)
Kramasamuha Subram. & Vittal 1973 (H)
Kreiseliella Braun 1991 (C)
Krishnamyces Hosag. 2003 (C)
Kumanasamuha P.Rag. Rao & D. Rao 1964 (H)
Kyphophora B. Sutton 1991 (C)
Lacellina Sacc. 1913 (H)
Lacellinopsis Subram. 1953 (H)
Lachnodochium Marchal 1895 (H)
Laciniocladium Petri 1917 (H)
Laeviomycetes D. Hawksw. 1981 (C)
Lagenomyces Cavalc. & A.A. Silva 1972 (C)
Lambdasporium Matsush. 1971 (H)
Lambionia Sérus. & Diederich 2005 (H)
Lamproconium (Grove) Grove 1937 (C)
Lappodochium Matsush. 1975 (H)
Lasiodiplodiella Zambett. 1955 (C)
Lasiophoma Speg. 1918 (C)
Lasiothyrium Syd. & P. Syd. 1913 (C)
Lasmenia Speg. 1886 (C)
Lasmeniella Petr. & Syd. 1927 (C)
Latericonis G.V. Rao, K.A. Reddy & de Hoog 1984 (H)
Lateriramulosa Matsush. 1971 (H)
Laterispora Uecker, W.A. Ayers & P.B. Adams 1982 (H)
Lauriomyces R.F. Castañeda 1990 (H)
Lawalreea Dieder. 1990 (C)
Leandria Rangel 1915 (H)
Lecaniocola Brain 1923 (?C)
Lecanostictopsis B. Sutton & Crous 1997 (H)
Lecophagus M.W. Dick 1990 (H)
Lecythispora Chowdhry 1985 (?C)
Lecytophthora Nannf. 1934, anamorphic
Igneocumulus A.W. Ramaley 2003 (H)
Leeina Petr. 1923 (C)
Leightonimyces D. Hawksw. & B. Sutton 1977 (H)
Lembuncula Cif. 1954 (C)

- Lemkea* Morgan-Jones & R.C. Sinclair 1983 (H)
Lepisticola W. Gams 2009 (H)
Leprieurina Bat. & H. Maia 1961 (C)
Leptochlamys Died. 1921 (C)
Leptodermella Höhn. 1915 (C)
Leptodiscella Papendorf 1969 (H)
Leptomelanconium Petr. 1923 (C)
Leptophyllosticta I.E. Brezhnev 1939 (C)
Leptostromella (Sacc.) Sacc. 1884 (C)
Leptothyrella Sacc. 1885 (C)
Leptothyrina Höhn. 1915 (C)
Leptothyrium Kunze 1823 (C)
Leucodochium Syd. & P. Syd. 1917 (H)
Leucopenicillifer G.R.W. Arnold 1971 (H)
Leuliisinea Matsush. 1985 (H)
Libertiella Speg. & Roum. 1880 (H)
Lichenobactridium Diederich & Etayo 1995 (H)
Lichenoconium Petr. & Syd. 1927 (C)
Lichenodiplis Dyko & D. Hawksw. 1979 (C)
Lichenodiplisiella S.Y. Kondr. & Kudratov 2002 (C)
Lichenohendersonia Calat. & Etayo 2001 (C)
Lichenopuccinia D. Hawksw. & Hafellner 1984 (H)
Lichenostella Calat. & Etayo 1999 (H)
Lichenosticta Zopf 1898 (C)
Linochorella Syd. & P. Syd. 1912 (C)
Listeromyces Penz. & Sacc. 1901 (H)
Lobatopedis P.M. Kirk 1979 (H)
Loliomyces Maire 1937 (H)
Lomaantha Subram. 1954 (H)*
Lomachashaka Subram. 1956 (H)
Lunulospora Ingold 1942 (H)
Luxuriomyces R.F. Castañeda 1988 (H)
Luzfridiella R.F. Castañeda & W.B. Kendr. 1991 (H)
Lylea Morgan-Jones 1975 (H)
Lysotheca Cif. 1962 (C)
Mackenziella Yanna & K.D. Hyde 2009 (H)
Macrodiplodia Sacc. 1884 (C)
Macrodiplodiopsis Petr. 1922 (C)
Macrotrichum Grev. 1825 (H)
Mahabalella B. Sutton & S.D. Patil 1966 (H)
Manginella Bat. & H. Maia 1961 (C)
Manoharachariella Bagyan., N.K. Rao & Kunwar 2009 (H)
Mapletonia B. Sutton 1991 (C)
Margarinomyces Laxa 1930 (H)
Martinellisia V.G. Rao & Varghese 1977 (H)
Massalongina Bubák 1916 (C)
Massariothea Syd. 1939 (C)
Mastigosporium Riess 1852 (H)
Matsushimaea Subram. 1978 (H)
Matsushimiella R.F. Castañeda & Heredia 2001 (H)
Matsushimomyces V.G. Rao & Varghese 1979 (H)
Medusamyces G.L. Barron & Szijarto 1990 (H)
Megacapitula J.L. Chen & Tzean 1993 (H)
Megalodochium Deighton 1960 (H)
Melanocephala S. Hughes 1979 (H)
Melanodiscus Höhn. 1918 (H)
Melanophoma Papendorf & J.W. du Toit 1967 (C)
Melanosella Örosi-Pál 1936 (H)
Melophia Sacc. 1884 (C)
Menidochium R.F. Castañeda & W.B. Kendr. 1990 (H)
Menoidea L. Mangin & Har. 1907 (H)
Mercadomyces J. Mena 1988 (H)
Metadiplodia Syd. 1937 (C)
Metarhiziopsis D.W. Li, R.S. Cowles & Vossbrinck 2008 (H)
Metazythia Petr. 1950 (C)
Metazythiopsis M. Morelet 1988 (C)
Microblastosporon Cif. 1930 (H)
Microclava F. Stevens 1917 (H)
Microdiscula Höhn. 1915 (C)
Microdothiorella C.A.A. Costa & Sousa da Câmara 1955 (C)
Microhendersonula Dias & Sousa da Câmara 1952 (C)
Microperella Höhn. 1909 (C)
Microtyle Speg. 1919 (C)
Microxyphiella Speg. 1918 (C)
Microxyphiopsis Bat. 1963 (C)
Milospium D. Hawksw. 1975 (H)
Mindoa Petr. 1949 (C)
Miniancora Marvanová & Bärl. 1989 (H)
Minimelanolocus R.F. Castañeda & Heredia 2001 (H)
Minimidochium B. Sutton 1969 (H)
Minutoexcipula V. Atienza & D. Hawksw. 1994 (H)
Minutophoma D. Hawksw. 1981 (C)
Mirimyces Nag Raj 1993 (C)

- Mixtoconidium* Etayo 1995 (C)
Mohgaonidium Singhai 1974 (?C)
Monochaetiella E. Castell. 1943 (C)
Monochaetopsis Pat. 1931(H)
Monodia Breton & Faurel 1970 (C)
Monodidymaria U. Braun 1994 (H)
Monodisma Alcorn 1975 (H)
Monosporiella Speg. 1918 (H)
Monosporium Bonord. 1851 (H)
Monotretomyces Morgan-Jones, R.C. Sinclair & Eicker 1987 (H)
Monotrichum Gäum. 1922 (H)
Moralesia Urries 1956 (C)
Morosporium Renault & Roche 1898 (?C)
Morrisographium M. Morelet 1968 (H)
Mucosetospora M. Morelet 1972 (C)
Muiogone Thaxt. 1914 (H)
Muirella R. Sprague 1959 (H)
Murogenella Goos & E.F. Morris 1965 (H)
Mycelephas R.F. Castañeda 2009 (H)
Mycocentrodochium K. Matsush. & Matsush. 1996 (H)
Mycochlamys S. Marchand & Cabral 1976 (H)
Mycöenterolobium Goos 1970 (H)
Mycofalcella Marvanová, Om-Kalth. & J. Webster 1993 (H)
Mycomyces Wyss-Chod. 1928 (H)
Mycopara Bat. & J.L. Bezerra 1960 (C)
Mycospraguea U. Braun & Rogerson 1993 (C)
Mycosticta Höhn. 1918 (C)
Mycosisymbrium Carris 1994 (H)
Mycosylva M.C. Tulloch 1973 (H)
Mycotribulus Nag Raj & W.B. Kendr. 1970 (C)
Mycousteria M.L. Farr 1986 (C)
Myiocoprula Petr. 1955 (C)
Myriellina Höhn. 1915 (C)
Myrmecomycetes Jouvenaz & Kimbr. 1991 (H)
Myrotheciastrum Abbas & B. Sutton 1988 (H)
Mystrosporiella Munjal & Kulshr. 1969 (H)
Myxocephala G. Weber, Spaaij & Oberw. 1989 (H)
Myxoparaphysella Caball. 1941 (C)
Myxosporella Sacc. 1881 (C)
Myxosporidiella Negru 1960 (C)
Myxostomellina Syd. 1931 (C)
Myxothyriopsis Bat. & A.F. Vital 1956 (C)
Myxothyrium Bubák & Kabát 1915 (C)
Naemaspora Pers. 1796 (?C)
Naemosphaera P. Karst. 1888 (C)
Naemosphaerella Höhn. 1923 (C)
Nagrajia R.F. Castañeda & W.B. Kendr. 1991 (C)
Nagrajomyces Melnik 1984 (C)
Nakatopsis Whitton, McKenzie & K.D. Hyde 2001 (H)
Nanoschema B. Sutton 1980 (C)
Naothyrsium Bat. 1960 (C)
Navaneethospora V.G. Rao 1994 (H)
Necraphidium Cif. 1951 (H)
Nematogonium Desm. 1834 (H)
Nematographium Goid. 1935 (H)
Nemozythiella Höhn. 1925 (C)
Neoalpakesa Punith. 1981 (C)
Neoarbuscula B. Sutton 1983 (H)
Neobarclaya Sacc. 1899 (C)
Neodiplodina Petr. 1954 (C)
Neofuckelia Zeller & Goodd. 1935 (C)
Neohendersonia Petr. 1921 (C)
Neoheteroceras Nag Raj 1993 (C)
Neojohnstonia B. Sutton 1983 (H)
Neoligniella Naumov 1951 (C)
Neomarssoniella U. Braun 1991 (C)
Neomelanconium Petr. 1940 (C)
Neoovularia U. Braun 1992 (H)
Neopeltis Syd. 1937 (C)
Neopericonia Kamal, A.N. Rai & Morgan-Jones 1983 (H)
Neophoma Petr. & Syd. 1927 (C)
Neoplaconema B. Sutton 1977 (C)
Neoramularia U. Braun 1991 (H)
Neospegazzinia Petr. & Syd. 1936 (C)
Neosporidesmium Mercado & J. Mena 1988 (H)
Neottiospora Desm. 1843 (C)
Neta Shearer & J.L. Crane 1971 (H)
Nidulispora Nawawi & Kuthub. 1990 (H)
Nigromacula Etayo 2002 (H)
Nigropuncta D. Hawksw. 1981 (C)
Nosophloea Fr. 1849 (?C)
Nothospora Peyronel 1913 (H)
Novozymia W.P. Wu 2005 (H)
Nummospora E. Müll. & Shoemaker 1964 (C)
Nusia Subram. 1995 (H)
Nyctalospora E.F. Morris 1972 (H)
Obeliospora Nawawi & Kuthub. 1990 (H)
Obstipipilus B. Sutton 1968 (C)

- Octopodotus* Kohlm. & Volkm.-Kohlm. 2003 (C)
Odontodictyospora Mercado 1984 (H)
Oedothea Syd. 1930 (H)
Ojibwaya B. Sutton 1973 (H)
Olpitrichum G.F. Atk. 1894 (H)
Omega B. Sutton & Minter 1988 (C)
Oncocladium Wallr. 1833 anamorphic
Gymnoascus Baran. 1872 (H)
Oncopodiella G. Arnaud ex Rifai 1965 (H)
Oncopodium Sacc. 1904 (H)
Oncospora Kalchbr. 1880 (C)
Oncosporella P. Karst. 1887 (C)
Oncostroma Bat. & Marasas 1966 (C)
Onychophora W. Gams, P.J. Fisher & J. Webster 1984 (H)
Oothyrium Syd. 1939 (C)
Ophiosira Petr. 1955 (C)
Orbimyces Linder 1944 (H)
Ostracodermidium Mukerji 1973 (H)
Ovadendron Sigler & J.W. Carmich. 1976 (H)
Ozonium Link 1809 (H)
Paathramaya Subram. 1956 (H)
Pachycladina Marvanová 1987 (H)
Pactilia Fr. 1837 (H)
Palawaniopsis Bat., Cif. & Nascim. 1959
Pantospora Cif. 1938 (H)
Papilionospora V.G. Rao & B. Sutton 1976 (H)
Pappimyces B. Sutton & Hodges 1975 (H)
Paraaoria R.K. Verma & Kamal 1987
Pararthrocladium Matsush. 1993 (H)
Parabeltrania Rambelli 2008 (H)
Paraceratocladium R.F. Castañeda 1987 (H)
Parachionomyces Thaug 1979 (H)
Paracostantinella Subram. & Sudha 1989 (H)
Paracryptophiale Kuthub. & Nawawi 1994 (H)
Paracytospora Petr. 1925 (C)
Paradendryphiopsis M.B. Ellis 1976 (H)
Paradictyoarthrinium Matsush. 1996 (H)
Paradidymobotryum C.J.K. Wang & B. Sutton 1984 (H)
Paradiplodia Speg. ex Trotter 1931 (C)
Paradischloridium Bhat & B. Sutton 1985 (H)
Paradiscula Petr. 1941 (C)
Paraëpicoccum Matsush. 1993 (H)
Parafulvia Kamal, A.N. Rai & Morgan-Jones 1983 (H)
Parahaplotrichum W.A. Baker & Partr. 2001 (H)
Paraharknessia Matsush. 2003 (H)
Parahyalotiopsis Nag Raj 1976 (C)
Paramassariothea Subram. & Muthumary 1979 (C)
Paramenisporopsis Matsush. 2003 (H)
Parapericonia M.B. Ellis 1976 (H)
Parapericoniella U. Braun, Heuchert & K. Schub. 2005 (H)
Paraphaeoisaria de Hoog & Morgan-Jones 1978 (H)
Parapithomyces Thaug 1976 (H)
Parapleurotheciopsis P.M. Kirk 1982 (H)
Parapyricularia M.B. Ellis 1972 (H)
Pararobillarda Matsush. 1996 (C)
Parasphaeropsis Petr. 1953 (C)
Paraspora Grove 1884 (H)
Parastigmatellina Bat. & C.A.A. Costa 1959 (C)
Parasympodiella Ponnappa 1975 (H)
Paratetraploa M.K.M. Wong & K.D. Hyde 2002 (H)
Paratomenticola M.B. Ellis 1976 (H)
Paratrichoconis Deighton & Piroz. 1972 (H)
Paraülocladium R.F. Castañeda 1986 (H)
Paspalomyces Linder 1933 (H)
Patouillardia Speg. 1889 (H)
Patriciomyces D. Hawksw. 2001 (H)
Peethasthabeeja P.Rag. Rao 1981 (H)
Pellionella (Sacc.) Sacc. 1902 (C)
Peltasterinostroma Punith. 1975 (C)
Peltasteropsis Bat. & H. Maia 1959 (C)
Peltistroma Henn. 1904 (C)
Peltistromella Höhn. 1907 (C)
Peltosoma Syd. 1925 (C)
Peltostromellina Bat. & A.F. Vital 1959 (C)
Peltostromopsis Bat. & A.F. Vital 1959 (C)
Penzigomyces Subram. 1992 (H)
Perelegamyces R.F. Castañeda & W.B. Kendr. 1990 (H)
Perizomella Syd. 1927 (C)
Pestalozziella Sacc. & Ellis ex Sacc. 1882 (C)
Petrakia Syd. & P. Syd. 1913 (H)
Petrakiopsis Subram. & K.R.C. Reddy 1968 (H)
Phacostroma Petr. 1955 (C)

- Phacostromella* Petr. 1955 (C)
Phaeoblastophora Partr. & Morgan-Jones 2002 (H)
Phaeobotrys M. Calduch, Gené & Guarro 2002 (H)
Phaeocandelabrum R.F. Castañeda, Heredia, Saikawa 2009 (H)
Phaeocytostroma Petr. 1921 (C)
Phaeodactylella Udaiyan 1992 (H)
Phaeodactylium Agnihotr. 1968 (H)
Phaeodiscula Cub. 1891 (C)
Phaeodomus Höhn. 1909 (C)
Phaeohiratsukaea Udagawa & Iwatsu 1990 (H)
Phaeohymenula Petr. 1954 (H)
Phaeoidiomyces Dorn.-Silva & Dianese 2004 (H)
Phaeolabrella Speg. 1912 (C)
Phaeomonilia R.F. Castañeda, Heredia & R.M. Arias 2007 (H)
Phaeomonostichella Keissl. ex Petr. 1941 (C)
Phaeophloeospora Crous & B. Sutton 1997 (C)
Phaeophomopsis Höhn. 1917 (C)
Phaeosphaera Bat. & Cif. 1963 (C)
Phaeosporobolus D. Hawksw. & Hafellner 1986 (H)
Phaeothyrium Petr. 1947 (C)
Phaeostilbella Höhn. 1919 (H)
Phaeotrichoconis Subram. 1956 (H)
Phalangispora Nawawi & J. Webster 1982 (H)
Phialoarthrobotryum Matsush. 1975 (H)
Phialogangliospora Udaiyan & V.S. Hosag. 1992 (H)
Phialomyces P.C. Misra & P.H.B. Talbot 1964 (H)
Phialophaeosisaria Matsush. 1995 (H)
Phialoselanospora Udaiyan 1992 (H)
Phialosporostilbe Mercado & J. Mena 1985 (H)
Phialostele Deighton 1969 (H)
Phialotubus R.Y. Roy & Leelav. 1966 (H)
Phloeoconis Fr. 1849 (H)
Phloeosporina Höhn. 1924 (C)
Phlyctaeniella Petr. 1922 (C)
Phomachora Petr. & Syd. 1925 (C)
Phomachorella Petr. 1947 (C)
Phomyces Clem. 1931 (C)
Phragmocephala E.W. Mason & S. Hughes 1951 (H)
Phragmoconidium G.F. Sepúlveda, Pereira-Carv. & Dianese 2009 (H)
Phragmogloeum Petr. 1954 (C)
Phragmopeltis Henn. 1904 (C)
Phragmospathula Subram. & N.G. Nair 1966 (H)
Phragmospathulella J. Mena & Mercado 1986 (H)
Phragmotrichum Kunze 1823 (C)
Phylloedium Fr. 1825 (H)
Phyllohendersonia Tassi 1902 (C)
Physalidiella Rulamort 1990 (H)
Physalidiopsis R.F. Castañeda & W.B. Kendr. 1990 (H)
Pilulina G. Arnaud 1954 (H)
Pinatubo J.B. Manandhar & Mew 1996 (H)
Piperivora Siboe, P.M. Kirk & P.F. Cannon 1999 (H)
Piricauda Bubák 1914 (H)
Piricaudilium Hol.-Jech. 1988 (H)
Piricaudiopsis J. Mena & Mercado 1987 (H)
Pirisporea Faurel & Schotter 1966 (C)
Pirostomella Sacc. 1914 (H)
Pirozynskiella S. Hughes 2007 (H)
Pittostroma Kowalski & T.N. Sieber 1992 (C)
Placella Syd. 1938 (C)
Placodiplodia Bubák 1916 (C)
Placonema (Sacc.) Petr. 1921 (C)
Placonemina Petr. 1921 (C)
Plagiostigmella Petr. 1949 (C)
Plectonaemella Höhn. 1915 (C)
Plectopeltis Syd. 1927 (C)
Plectophomella Moesz 1922 (H)
Plectophomopsis Petr. 1922 (C)
Plectosira Petr. 1929 (C)
Plectronidiopsis Nag Raj 1979 (C)
Plectronidium Nag Raj 1977 (C)
Pleiochaeta (Sacc.) S. Hughes 1951 (H)
Plenocatenuelis Bat. & Cif. 1959 (C)
Plenophysa Syd. & P. Syd. 1920 (C)
Plenotrichopsis Bat. 1961 (C)
Plenotrichum Syd. 1927 (C)
Plenozythia Syd. & P. Syd. 1916 (C)
Pleocouturea G. Arnaud 1911 (C)
Plesiospora Drechsler 1971 (H)
Pleurodiscula Höhn. 1926 (C)
Pleurodiscus Petr. 1931 (C)
Pleurodomus Petr. 1934 (C)
Pleuropedium Marvanová & S.H. Iqbal

- 1973 (H)
Pleurophragmium Costantin 1888 (H)
Pleuroplaconema Petr. 1923 (C)
Pleuroplacosphaeria Syd. 1928 (C)
Pleurotheciopsis B. Sutton 1973 (H)
Pleurothyriella Petr. & Syd. 1925 (C)
Pleurothyrium Bubák 1916 (C)
Pleurovularia R. Kirschner & U. Braun 2002 (H)
Pocillopyncnis Dyko & B. Sutton 1979 (C)
Podosporiella Ellis & Everh. 1894 (H)
Podosporium Schwein. 1832 (H)
Poikilosperma Bat. & J.L. Bezerra 1961 (C)
Polyancora Voglmayr & C. Yule 2006 (H)
Polybulbophiale Goh & K.D. Hyde 1998 (H)
Polycladium Ingold 1959 (H)
Polydesmus Mont. 1845 (H)
Polyetron Bat. & Peres 1963 (C)
Polylobatispora Matsush. 1996 (H)
Polyscytalum Riess 1853 (H)
Polystomellomyces Bat. 1959 (C)
Polystratorictus Matsush. 1993 (H)
Polythrinciella Bat. & H. Maia 1960 (H)
Polythrinciopsis J. Walker 1966 (H)
Polytretophora Mercado 1983 (H)
Porobeltraniella Gusmão 2004 (H)
Porocladium Descals 1976 (H)
Poropeltis Henn. 1904 (C)
Porophilomyces U. Braun 2000 (H)
Porosubramania Hol.-Jech. 1985 (H)
Porrectotheca Matsush. 1996 (C)
Powellia Bat. & Peres 1964 (C)
Prathigada Subram. 1956 (H)
Prismaria Preuss 1851 (H)
Proboscispora Punith. 1984 (C)
Prophytroma Sorokĭn 1877 (H)
Prosthemella Sacc. 1881 (H)
Protostegia Cooke 1880 (C)
Protostegiomyces Bat. & A.F. Vital 1955 (C)
Protostroma Bat. 1957 (C)
Psammia Sacc. & M. Rousseau ex E. Bommer & M. Rousseau 1891 (C)
Pseudoacrodictys W.A. Baker & Morgan-Jones 2003 (H)
Pseudoanguillospora S.H. Iqbal 1974 (H)
Pseudoaristastoma Suj. Singh 1979 (C)
Pseudoasperisporium U. Braun 2000 (H)
Pseudobasidiospora Dyko & B. Sutton 1978 (C)
Pseudobeltrania Henn. 1902 (H)
Pseudocanalisorium R.F. Castañeda & W.B. Kendr. 1991 (H)
Pseudocenangium P. Karst. 1886 (C)
Pseudochuppia Kamal, A.N. Rai & Morgan-Jones 1984 (H)
Pseudoclathrosphaerina Voglmayr 1997 (H)
Pseudoconium Petr. 1969 (C)
Pseudocytosphaeria Punith. & Spooner 2002 (?C)
Pseudocytospora Petr. 1923 (C)
Pseudodichomera Höhn. 1918 (C)
Pseudodidymaria U. Braun 1993 (H)
Pseudodiplodia (P. Karst.) Sacc. 1884 (C)
Pseudodiscula Laubert 1911 (C)
Pseudoepicoccum M.B. Ellis 1971 (H)
Pseudofuscophialis Sivan. & H.S. Chang 1995 (H)
Pseudogaster Höhn. 1907 (H)
Pseudogliophragma Phadke & V.G. Rao 1980 (H)
Pseudographiella E.F. Morris 1966 (H)
Pseudohendersonia Crous & M.E. Palm 1999 (C)
Pseudolachnea Ranoj. 1910 (C)
Pseudoneottiospora Faurel & Schotter 1965 (C)
Pseudopapulaspora N.D. Sharma 1977 (H)
Pseudopatellina Höhn. 1908 (C)
Pseudopeltistroma Katum. 1975 (C)
Pseudopetrakia M.B. Ellis 1971 (H)
Pseudophloeosporella U. Braun 1993 (C)
Pseudophragmotrichum W.P. Wu, B. Sutton & Gange 1998 (C)
Pseudopolystigmina Murashk. 1928 (C)
Pseudoramularia Matsush. 1983 (H)
Pseudorhizopogon Kobayasi 1983 (C)
Pseudoschizothyra Punith. 1980 (C)
Pseudoseptoria Speg. 1910 (C)
Pseudosigmoidea K. Ando & N. Nakam. 2000 (H)
Pseudostegia Bubák 1906 (C)
Pseudothyrium Höhn. 1927 (C)
Pseudotorula Subram. 1958 (H)
Pseudotracylla B. Sutton & Hodges 1976 (C)
Pseudotrichoconis W.A. Baker & Morgan-Jones 2001 (H)
Pseudozythia Höhn. 1902 (C)

- Pterulopsis* Wakef. & Hansf. 1943 (H)
Pterygosporopsis P.M. Kirk 1983 (H)
Puccinospora Speg. 1886 (C)
Pulchromyces Hennebert 1973 (H)
Pullospora Faurel & Schotter 1965 (C)
Pulvinella A.W. Ramaley 2001 (H)
Punctillina Toro 1934 (C)
Pycnidioarxiella Punith. & N.D. Sharma 1980 (C)
Pycnidiopeltis Bat. & C.A.A. Costa 1959 (C)
Pycnis Bref. 1881 (C)
Pycnodactylus Bat., A.A. Silva & Cavalc. 1967 (C)
Pycnodallia Kohlm. & Volkm.-Kohlm. 2001 (?C)
Pycnoharknessia Matsush. 1996 (C)
Pycnomma Syd. 1924 (C)
Pycnomoreletia Rulamort 1990 (C)
Pycnopleiospora C.Z. Wei, Y. Harada & Katum. 1997 (H)
Pycnoseynesia Kuntze 1898 (C)
Pycnothera N.D. Sharma & G.P. Agarwal 1974 (C)
Pycnothyriella Bat. 1952 (C)
Pycnothyrium Died. 1913 (C)
Pyramidospora Sv. Nilsson 1962 (H)
Pyrenyllum Clem. 1909 (?C)
Pyrgostroma Petr. 1951 (C)
Pyriculariopsis M.B. Ellis 1971 (H)
Pyripnomyces Cavalc. 1972 (C)
Quadracaea Lunghini, Pinzari & Zucconi 1996 (H)
Quadricladium Nawawi & Kuthub. 1989 (H)
Quasidiscus B. Sutton 1991 (C)
Queenslandia Bat. & H. Maia 1959 (C)
Quezelia Faurel & Schotter 1965 (C)
Radiatispora Matsush. 1995 (H)
Radciseta Sawada & Katsuki 1959 (H)
Radulidium Arzanlou, W. Gams & Crous 2007 (H)
Raizadenia S.L. Srivast. 1981 (H)
Ramakrishnanella Kamat & Ullasa ex Ullasa 1970 (C)
Ramicephala Voglmayr & G. Delgado 2003 (H)
Ramoconidiifera B. Sutton, Carmarán & A.I. Romero 1996 (H)
Ranojevicia Bubák 1910 (H)
Redbia Deighton & Piroz. 1972 (H)
Refractohilum D. Hawksw. 1977 (H)
Reichlingia Diederich & Scheid. 1996 (H)
Remersonia Samson & Seifert 1997 (H)
Repetoblastiella R.F. Castañeda, Minter & M. Stadler 2010 (H)
Retiarius D.L. Olivier 1978 (H)
Rhabdoclema Syd. 1939 (C)
Rhabdostromella Höhn. 1915 (C)
Rhacodiella Peyronel 1919 (H)
Rhexoacrodictys W.A. Baker & Morgan-Jones 2002 (H)
Rhexoampullifera P.M. Kirk 1982 (H)
Rhexodenticula W.A. Baker & Morgan-Jones 2001 (H)
Rhexoprolifer Matsush. 1996 (H)
Rhinocladium Sacc. & Marchal 1885 (H)
Rhinotrichella G. Arnaud ex de Hoog 1977 (H)
Rhipidocephalum Trail 1888 (H)
Rhizohypha Chodat & Sigr. 1911 (?C)
Rhizosphaerina B. Sutton 1986 (?C)
Rhodesiopsis B. Sutton & R. Campb. 1979 (C)
Rhodothallus Bat. & Cif. 1959 (H)
Rhombostilbella Zimm. 1902 (H)
Rhynchodiplodia Briosi & Farneti 1906 (C)
Rhynchomyces Willk. 1866 (H)
Rhynchoseptoria Unamuno 1940 (C)
Rhynchosporina Arx 1957 (H)
Riclaritia Peyronel 1915 (H)
Rileya A. Funk 1979 (C)
Robakia Petr. 1952 (C)
Robillarda Sacc. 1882 (C)
Rogergoosiella A. Hern. Gut. & J. Mena 1996 (H)
Roscoepoundia Kuntze 1898 (C)
Rosulomyces S. Marchand & Cabral 1976 (H)
Rota Bat., Cif. & Nascim. 1959 (C)
Rotaea Ces. ex Schltld. 1851 (H)
Rubikia H.C. Evans & Minter 1985 (C)
Ruggieria Cif. & Montemart. 1958 (C)
Rutola J.L. Crane & Schokn. 1978 (H)
Sadasivania Subram. 1957 (H)
Sanjuanomyces R.F. Castañeda & W.B. Kendr. 1991 (H)
Santapauinda Subram. 1995 (H)
Saprophragma K.B. Deshp. & K.S. Deshp. 1966 (H)
Saprotaphrina Verona & Rambelli 1962 (?C)
Sarbhoyomyces Saikia 1981 (H)

- Sarcinodochium* Höhn. 1905 (H)
Sarcinosporon D.S. King & S.C. Jong 1975 (H)
Sarcopodium Ehrenb. 1818 (H)
Satchmopsis B. Sutton & Hodges 1975 (C)
Scaphidium Clem. 1901 (C)
Scenomyces F. Stevens 1927 (H)
Sceptrifera Deighton 1965 (H)
Schizoderma Kunze 1825 (C)
Schizothyra Bat. & C.A.A. Costa 1957 (C)
Schizothyrella Thüm. 1880 (C)
Schizothyropsis Bat. & A.F. Vital 1960 (C)
Schizotrichum McAlpine 1903 (H)
Schroeteria G. Winter 1881 (H)
Schwarzmannia Pisareva 1968 (C)
Scirrhophoma Petr. 1941 (C)
Sclerococcum Fr. 1825 (H)
Scleroconium Syd. 1935 (H)
Sclerodiscus Pat. 1890 (H)
Sclerodothiorella Died. 1912 (?C)
Sclerographiopsis Deighton 1973 (H)
Sclerographium Berk. 1854 (H)
Scleromeris Syd. 1926 (C)
Scleropycnis Syd. & P. Syd. 1911 (C)
Sclerotiella A.K. Sarbhoy & A. Sarbhoy 1975 (H)
Sclerozythia Petch 1937 (C)
Scolecobasidiella M.B. Ellis 1971 (H)
Scolecobasidium E.V. Abbott 1927 (H)
Scolecodochium K. Matsush. & Matsush. 1996 (H)
Scolecotheca Söchting & B. Sutton 1997 (C)
Scolecozythia Curzi 1927 (C)
Scoliotidium Bat. & Cavalc. 1963 (C)
Scopaphoma Dearn. & House 1925 (C)
Scopulariella Gjaerum 1971 (H)
Scothelius Bat., J.L. Bezerra & Cavalc. 1965 (C)
Scutisporus K. Ando & Tubaki 1985 (H)
Scutopeltis Bat. & H. Maia 1957 (C)
Scutopycnis Bat. 1957 (C)
Seifertia Partr. & Morgan-Jones 2002 (H)
Seimatosporiopsis B. Sutton, Ghaffer & Abbas 1972 (C)
Selenodriella R.F. Castañeda & W.B. Kendr. 1990 (H)
Selenosira Petr. 1957 (C)
Selenosporopsis R.F. Castañeda & W.B. Kendr. 1991 (H)
Septocytella Syd. 1929 (C)
Septogloeum Sacc. 1880 (C)
Septomyxella (Höhn.) Höhn. 1923 (C)
Septopatella Petr. 1925 (C)
Septosporiopsis W.A. Baker & Morgan-Jones 2009 (H)
Septosporium Corda 1831 (H)
Septotrullula Höhn. 1902 (H)
Sessiliospora D. Hawksw. 1979 (H)
Setolibertella Punith. & Spooner 1999 (?C)
Setophiale Matsush. 1995 (H)
Setosporella Mustafa & Abdul-Wahid 1989 (H)
Setosynnema D.E. Shaw & B. Sutton 1985 (H)
Seychellomyces Matsush. 1981 (H)
Seynesiopsis Henn. 1904 (C)
Shawiella Hansf. 1957 (C)
Sheariella Petr. 1952 (C)
Shrungabeeja V.G. Rao & K.A. Reddy 1981 (H)
Siamia V. Robert, Decock & R.F. Castañeda 2000 (H)
Sigmatomyces Sacc. & P. Syd. 1913 (H)
Sirexciopula Bubák 1907 (C)
Sirocyphis Clem. 1909 (C)
Sirodochiella Höhn. 1925 (H)
Sirogloea Petr. 1923 (C)
Sirologniella Naumov 1926 (C)
Sirophoma Höhn. 1917 (C)
Siroplacodium Petr. 1940 (C)
Siropleura Petr. 1934 (C)
Siroscyphellina Petr. 1923 (C)
Sirosperma Syd. & P. Syd. 1916 (C)
Sirosphaera Syd. & P. Syd. 1913 (C)
Sirosporonaemella Naumov 1951 (C)
Sirothecium P. Karst. 1887 (C)
Sirothyriella Höhn. 1910 (C)
Sirothyrium Syd. & P. Syd. 1916 (C)
Sirozythia Höhn. 1904 (C)
Sirozythiella Höhn. 1909 (C)
Sitochora H.B.P. Upadhyay 1964 (C)
Slimacomycetes Minter 1986 (H)
Solicorynespora R.F. Castañeda & W.B. Kendr. 1990 (H)
Soloacrospora W.B. Kendr. & R.F. Castañeda 1991 (H)
Solosympodiella Matsush. 1971 (H)
Solotermiospora Matsush. 1996 (H)
Spegazzinia Sacc. 1879 (H)
Speiropsis Tubaki 1958 (H)

- Spermatoloncha* Speg. 1908 (H)
Spermochaetella Cif. 1954 (C)
Spermospora R. Sprague 1948 (H)
Spermosporella Deighton 1969 (H)
Sphaeridium Fresen. 1852 (H)
Sphaeriestromella Bubák 1916 (C)
Sphaeriothyrium Bubák 1916 (C)
Sphaeromma H.B.P. Upadhyay 1964 (C)
Sphaeronema Fr. 1815 (?C)
Sphaerophoma Petr. 1924 (C)
Sphaerosporium Schwein. 1832 (H)
Sphaerulomyces Marvanová 1977 (H)
Sphondylocephalum Stalpers 1974 (H)
Spicularia Pers. 1822 (H)
Spinulospora Deighton 1973 (H)
Spiralum J.L. Mulder 1975 (H)
Spiropes Cif. 1955 (H)
Spondylocladiella Linder 1934 (H)
Spondylocladiopsis M.B. Ellis 1963 (H)
Sporidesmiopsis Subram. & Bhat 1989 (H)
Sporocystis Morgan 1902 (H)
Sporocephalum G. Arnaud 1952 (H)
Sporoglena Sacc. 1894 (H)
Sporophiala P.Rag. Rao 1970 (H)
Sporophora Luteraan 1952 (H)
Stachybotryella Ellis & Barthol. 1902 (H)
Stagonopatella Petr. 1927 (C)
Stagonopsis Sacc. 1884 (C)
Stagonosporina Tassi 1902 (C)
Stagonostromella Petr. & Syd. 1927 (C)
Staheliella Emden 1974 (H)
Stalagmochaetia Cif. & Bat. 1963 (C)
Staphylotrichum J. Mey. & Nicot 1957 (H)
Stauronema (Sacc.) Syd., P. Syd. & E.J. Butler 1916 (C)
Stauronematopsis Abbas, B. Sutton & Ghaffar 2002 (C)
Staurophoma Höhn. 1907 (C)
Stegolerium Strobel, W.M. Hess & E.J. Ford 2001 (H)
Stegonsporiopsis Van Warmelo & B. Sutton 1981 (C)
Stellomyces Morgan-Jones, R.C. Sinclair & Eicker 1987 (H)
Stellopeltis Bat. & A.F. Vital 1959 (C)
Stellospora Alcorn & B. Sutton 1984 (H)
Stellothyriella Bat. & Cif. 1959 (C)
Stemphyliomma Sacc. & Traverso 1911 (H)
Stenocephalopsis Chamuris & C.J.K. Wang 1998 (H)
Stenocladiella Marvanová & Descals 1987 (H)
Stenospora Deighton 1969 (H)
Stephembruneria R.F. Castañeda 1988 (H)
Stevensonula Petr. 1952 (C)
Stichospora Petr. 1927 (C)
Stictopateella Höhn. 1918 (C)
Stictosepta Petr. 1964 (C)
Stigmatellina Bat. & H. Maia 1960 (C)
Stigmella Lév. 1842 (C)
Stigmopeltis Syd. 1927 (C)
Stilbellula Boedijn 1951 (H)
Stilbophoma Petr. 1942 (C)
Stilbospora Pers. 1794, also see *Prosthecium* (C)
Strasseria Bres. & Sacc. 1902 (C)
Strasseriosis B. Sutton & Tak. Kobay. 1970 (C)
Stratiphoromyces Goh & K.D. Hyde 1998 (H)
Striosphaeropsis Verkley & Aa 1997 (C)
Stromatopogon Zahlbr. 1897 (C)
Stromatopycnis A.F. Vital 1956 (C)
Stromatostysanus Höhn. 1919 (H)
Strongylohallus Bat. & Cif. 1959 (H)
Strumellopsis Höhn. 1909 (H)
Stygiomyces Coppins & S.Y. Kondr. 1995 (C)
Stylaspergillus B. Sutton, Alcorn & P.J. Fisher 1982 (H)
Subicularium M.L. Farr & Goos 1989 (H)
Subramania D. Rao & P.Rag. Rao 1964 (H)
Subramanianospora Narayanan, J.K. Sharma & Minter 2003 (H)
Subulispora Tubaki 1971 (H)
Sutravarana Subram. & Chandrash. 1977 (H)
Suttoniella S. Ahmad 1961 (C)
Suttonina H.C. Evans 1984 (C)
Syamithabeeja Subram. & Natarajan 1976 (H)
Sylviacollaea Cif. 1963 (C)
Symbiotaphrina Kùhlw. & Jurzitza ex W. Gams & Arx 1980 (H)
Symphyosira Preuss 1853 (H)
Symphysos Bat. & Cavalc. 1967 (C)
Sympodiocladium Descals 1982 (H)
Sympodioclathra Voglmayr 1997 (H)
Sympodioplanus R.C. Sinclair & Boshoff 1997 (H)

- Synchronoblastia* Uecker & F.L. Caruso 1988 (C)
Syncladium Rabenh. 1859 (C)
Synnemacrodictys W.A. Baker & Morgan-Jones 2009 (H)
Synnemaseimatoides K. Matsush. & Matsush. 1996 (H)
Synnematium Speare 1920 (H)
Synnematomyces Kobayasi 1981 (H)
Synnemellisia N.K. Rao, Manohar. & Goos 1989 (H)
Synostomina Petr. 1949 (C)
Systremmopsis Petr. 1923 (H)
Taeniolina M.B. Ellis 1976 (H)
Talekpea Lunghini & Rambelli 1979 (H)
Tandonia M.D. Mehrotra 1991 (C)
Tandonella S.S. Prasad & R.A.B. Verma 1970 (H)
Tarsodisporus Bat. & A.A. Silva 1965 (C)
Tawdiella K.B. Deshp. & K.S. Deshp. 1966 (H)
Tectacervulus A.W. Ramaley 1992 (C)
Telligia Hendr. 1948 (H)
Temerariomyces B. Sutton 1993 (H)
Teratosperma Syd. & P. Syd. 1909 (H)
Tetrabrachium Nawawi & Kuthub. 1987 (H)
Tetrabrunneospora Dyko 1978 (H)
Tetracoccusporium Szabó 1905 (H)
Tetranacriella Kohlm. & Volkm.-Kohlm. 2001 (?C)
Tetranacrium H.J. Huds. & B. Sutton 1964 (C)
Tetraposporium S. Hughes 1951 (H)
Textotheca Matsush. 1996 (C)
Thallospora L.S. Olive 1948 (H)
Thaptospora B. Sutton & Pascoe 1987 (C)
Tharopama Subram. 1956 (H)
Thirumalacharia Rathaiiah 1981 (H)
Tholomyces Matsush. 2003 (?C)
Thoracella Oudem. 1900 (C)
Thrinacospora Petr. 1948 (C)
Thyriostromella Bat. & C.A.A. Costa 1959 (C)
Thyrostromella Höhn. 1919 (H)
Thyrsidiella Höhn. ex Höhn. 1909 (?C)
Thyrsidina Höhn. 1905 (C)
Tiarosporellivora Punith. 1981
Ticogloea G. Weber, Spaaij & W. Gams 1994 (H)
Tilakiopsis V.G. Rao 1994 (H)
Titaeopsis B. Sutton & Deighton 1984 (H)
Titaeospora Bubák 1916, also see *Stamnaria* (C)
Tomenticola Deighton 1969 (H)
Tompetchia Subram. 1985 (H)
Toxosporiella B. Sutton 1986 (C)
Toxosporiopsis B. Sutton & Sellar 1966 (C)
Toxosporium Vuill. 1896 (H)
Tracylla (Sacc.) Tassi 1904 (C)
Trematophoma Petr. 1924 (C)
Tremellidium Petr. 1927 (C)
Tretendophragmia Subram. 1995 (H)
Tretocephala Subram. 1995 (H)
Tretophragmia Subram. & Natarajan 1974 (H)
Tretospeira Piroz. 1972 (H)
Tretovularia Deighton 1984 (H)
Triadelphia Shearer & J.L. Crane 1971 (H)
Tribolospora D.A. Reid 1966 (C)
Trichaegum Corda 1837 (H)
Trichobolbus Bat. 1964 (C)
Trichobotrys Penz. & Sacc. 1901 (H)
Trichoconiella B.L. Jain 1976 (H)
Trichoconis Clem. 1909 (H)
Trichodiscula Vouaux 1910 (C)
Trichodochium Syd. 1927 (H)
Trichomatoclava G.F. Sepúlveda, Pereira-Carv. & Dianese 2009 (H)
Trichomatomyces Dorn.-Silva & Dianese 2004 (H)
Trichomatosphaera Pereira-Carv., G.F. Sepúlveda & Dianese 2009 (H)
Trichopeltulum Speg. 1889 (C)
Trichoseptoria Cavara 1892 (C)
Trichosporodochium Dorn.-Silva & Dianese 2004 (H)
Trichotheca P. Karst. 1887 (H)
Tricladiella K. Ando & Tubaki 1984 (H)
Tricladiopsis Descals 1982 (H)
Tricladiospora Nawawi & Kuthub. 1988 (H)
Tricornispora Bonar 1967 (H)
Trifurcospora K. Ando & Tubaki 1988 (H)
Triglyphium Fresen. 1852 (H)
Trigonosporium Tassi 1900 (C)
Tripoconidium Subram. 1978 (H)
Triposporina Höhn. 1912 (H)
Triramulispora Matsush. 1975 (H)
Triscelophorus Ingold 1944 (H)
Triscelosporium Nawawi & Kuthub. 1987

- (H)
Trisulcosporium H.J. Huds. & B. Sutton 1964 (H)
Troposporium Harkn. 1884 (H)
Troposporopsis Whitton, McKenzie & K.D. Hyde 1999 (H)
Trullula Ces. 1852 (C)
Tryssoglobulus B. Sutton & Pascoe 1987 (H)
Tuberculariopsis Höhn. 1909 (H)
Tuberculispora Deighton & Piroz. 1972 (H)
Tulipispora Révay & Gönczöl 2009 (H)
Tunicago B. Sutton & Pollack 1977 (C)
Turturconchata J.L. Chen, T.L. Huang & Tzean 1999 (H)
Tympanosporium W. Gams 1974 (H)
Uberispora Piroz. & Hodges 1973 (H)
Ubrizsya Negru 1965 (C)
Ulocoryphus Michaelides, L. Hunter & W.B. Kendr. 1982 (H)
Umbellidion B. Sutton & Hodges 1975 (H)
Uncispora R.C. Sinclair & Morgan-Jones 1979 (H)
Urohendersonia Speg. 1902 (C)
Urohendersoniella Petr. 1955 (C)
Uvarispora Goos & Piroz. 1975 (H)
Vagnia D. Hawksw. & Miądl. 1997 (C)
Vanakripa Bhat, W.B. Kendr. & Nag Raj 1993 (H)
Vanbeverwijkia Agnihotr. 1961 (H)
Vanderystiella Henn. 1908 (C)
 ?*Vanibandha* Manohar., N.K. Rao, Kunwar & D.K. Agarwal 2006 (H)
Vanterpoolia A. Funk 1982 (H)
Variocladium Descals & Marvanová 1999 (H)
Vasudevella Chona, Munjal & Bajaj 1957 (C)
Velutipila D. Hawksw. 1987 (H)
Ventrographium H.P. Upadhyay, Cavalc. & A.A. Silva 1986 (H)
Venustocephala Matsush. 1995(H)
Venustosynnema R.F. Castañeda & W.B. Kendr. 1990 (H)
Veracruzomyces Mercado, Guarro, Heredia & J. Mena 2002 (H)
Veramycella G. Delgado 2009 (H)
Veramyces Matsush. 1993 (H)
Verdipulvinus A.W. Ramaley 1999 (H)
Vermispora Deighton & Piroz. 1972 (H)
Veronaella Subram. & K.R.C. Reddy 1975
- Veronidia* Negru 1964 (C)
Verrucariella S. Ahmad 1967 (C)
Verrucophragmia Crous, M.J. Wingf. & W.B. Kendr. 1994 (H)
Verticicladius Matsush. 1993 (H)
Vesiculohyphomyces Armando, Pereira-Carv. & Dianese 2009 (H)
Vestigium Piroz. & Shoemaker 1972 (C)
Viscomacula R. Sprague 1951 (H)
Vittalia Gaws & Bhat 2007 (H)
Vouauxiella Petr. & Syd. 1927 (C)
Waihonghopes Yanna & K.D. Hyde 2002 (H)
Wardinella Bat. & Peres 1960 (C)
Waydora B. Sutton 1976 (C)
Websteromyces W.A. Baker & Partr. 2000 (H)
Weissia Bat. & M.P. Herrera 1964 (C)
Weufia Bhat & B. Sutton 1985 (H)
Wiesneriomyces Koord. 1907 (H)
Wilsonomyces Adask., J.M. Ogawa & E.E. Butler 1990 (H)
Wojnowicia Sacc. 1899 (C)
Xanthoriicola D. Hawksw. 1973 (H)
Xenidiocercus Nag Raj 1993 (C)
Xenodomus Petr. 1922 (C)
Xenoheteroconium Bhat, W.B. Kendr. & Nag Raj 1993 (H)
Xenokylindria DiCosmo, S.M. Berch & W.B. Kendr. 1983 (H)
Xenopeltis Syd. & P. Syd. 1919 (C)
Xenoplaca Petr. 1949 (H)
Xenostroma Höhn. 1915 (C)
Xepicula Nag Raj 1993 (C)
Xepiculopsis Nag Raj 1993 (C)
Xeroconium D. Hawksw. 1981 (C)
Xiambola Minter & Hol.-Jech. 1981 (H)
Xiphomyces Syd. & P. Syd. 1916 (H)
Xylochia B. Sutton 1983 (H)
Xyloglyphis Clem. 1909 (C)
Xylohypha (Fr.) E.W. Mason 1960 (H)
Xylohyphopsis W.A. Baker & Partr. 2000 (H)
Yalomyces Nag Raj 1993 (C)
Yinmingella Goh, K.M. Tsui & K.D. Hyde 1999 (H)
Ypsilina J. Webster, Descals & Marvanová 1999 (H)
Yuccamyces Gour, Dyko & B. Sutton 1979 (H)
Zakatoshia B. Sutton 1973 (H)
Zanclospora S. Hughes & W.B. Kendr.

1965 (H)

- Zebrospora* McKenzie 1991 (H)
Zelandiocoela Nag Raj 1993 (C)
Zeloasperisporium Castaneda 1996 (H)
Zelopelta B. Sutton & R.D. Gaur 1984 (C)
Zelosatchmopsis Nag Raj 1991 (C)
Zelotriadelphia R.F. Castañeda, Saikawa,
 M. Stadler & Iturr. 2005 (H)
Zetesimomyces Nag Raj 1988 (C)
Zevadia J.C. David & D. Hawksw. 1995
 (H)
Zilingia Petr. 1934 (C)
Zinzipogasa Nag Raj 1993 (C)
Zopheromyces B. Sutton & Hodges 1977
 (H)
Zunura Nag Raj 1993 (C)
Zygosporium Mont. 1842 (H)
Zythia Fr. 1849 (C)
Zyxiphora B. Sutton 1981 (H)

Phylum BASIDIOMYCOTA R.T. Moore
Subphylum AGARICOMYCOTINA Doweld
Class Agaricomycetes Doweld

Agaricales Underw.

Agaricaceae Chevall.

- Cocobotrys* Boud. & Pat. 1900, anamor-
 phic *Leucoagaricus* Locq. ex Singer
 1948 (H)

Fistulinaceae Lotsy

- Confistulina* Stalpers 1983, anamorphic
Fistulina Bull. 1791 (H)

Lyophyllaceae Jülich

- Termitosphaera* Cif. 1935, anamorphic
Termitomyces R. Heim 1942 (H)
Ugola Adans. 1763, anamorphic *Astero-*
phora Ditmar 1809 (H)

Mycenaceae Overeem

- Decapitatus* Redhead & Seifert 2000,
 anamorphic *Mycena* (Pers.) Roussel
 1806 (H)

Niaceae Jülich

- Peyronelina* P.J. Fisher, J. Webster & D.F.
 Kane 1976 (H)

Pleurotaceae Kühner

- Antromycopsis* Pat. & Trab. 1897,
 anamorphic *Pleurotus* (Fr.) P. Kumm.
 1871 (H)

- Nematoctonus* Drechsler 1941, anamorphic
Hohenbuehelia Schulzer 1866 (H)

Psathyrellaceae Vilgalys, Moncalvo &
 Redhead

- Hormographiella* Guarro & Gené 1992,
Coprinellus P. Karst. 1879 (H)
Rhacophyllus Berk. & Broome 1871,
 anamorphic *Coprinopsis* P. Karst. 1881
 (H)

Tricholomataceae R. Heim ex Pouzar

- Moniliophthora* H.C. Evans, Stalpers,
 Samson & Benny 1978 (H)
Nothoclavulina Singer 1970, anamorphic
Arthrosporella Singer 1970 (H)
Tilachlidiopsis Keissl. 1924, anamorphic
Dendrocollybia R.H. Petersen & Redh-
 ead 2001 (H)
Ugola Adans. 1763(H)
Tilachlidiopsis Keissl. 192 (H)

Typhulaceae Jülich

- Sclerotium* Tode 1790, anamorphic
Typhula (Pers.) Fr. 1818 (H)

Agaricales, genera *incertae sedis*

- Disporotrichum* Stalpers 1984
Fibulochlamys A.I. Romero & Cabral
 1989 (H)
Tricladiomyces Nawawi 1985 (H)

Atheliales Jülich

Atheliaceae Jülich

- Fibularhizoctonia* G.C. Adams & Kropp
 1996, anamorphic *Athelia* Pers. 1822
 (H)
Rhizoctonia DC. 1815 anamorphic *Athelia*
 Pers. 1822 (H)
Sclerotium Tode 1790, anamorphic *Athelia*
 Pers. 1822 (H)
Taeniospora Marvanová 1977, anamo-
 rphic *Fibulomyces* Jülich 1972 (H)

Auriculariales J. Schröt. 1897

Exidiaceae R.T. Moore 1978

- Ovipoculum* Zhu L. Yang & R. Kirschner
 2010 (H)

Auriculariales, genera *incertae sedis*

- Disporotrichum* Stalpers 1984 (H)
Oliveorhiza P. Roberts 1998, anamorphic
Oliv-eonia Donk 1958 (H)

Cantharellales Gäum**Botryobasidiaceae** Jülich

Haplotrichum Link 1824, anamorphic
Botryobasidium Donk 1931 (H)

Ceratobasidiaceae G.W. Martin

Acanthellorhiza P. Roberts 1999, anamorphic
Heteroacanthella 1990 (H)
Ceratorhiza R.T. Moore 1987, anamorphic
Ceratobasidium D.P. Rogers 1935 (H)
Rhizoctonia DC. 1815 (and as *Thanatophytum* Nees 1816), anamorphic
Helicobasidium Pat. 1885, *Aquathana-tephorus* C.C. Tu & Kimbr. 1978 and
Thanatephorus Donk 1956 (H)

Hydnaceae Chevall.

Burgella Diederich & Lawrey 2007 (H)
Burgoa Goid. 1938, anamorphic *Sistotrema* Fr. 1821 (H)
Ingoldiella D.E. Shaw 1972, anamorphic
Sistotrema Fr. 1821 (H)
Osteomorpha G. Arnaud ex Watling & W.B. Kendr. 1979, anamorphic *Sistotrema* Fr. 1821 and *Trechispora* P. Karst. 1890 (H)

Oliveoniaceae P. Roberts 1998

Oliveorhiza P. Roberts 1998, anamorphic
Oliveonia Donk 1958 (H)

Tulasnellaceae Juel

Epulorhiza R.T. Moore 1987, anamorphic
Tulasnella J. Schröt. 1888 (H)

Cantharellales, genera *incertae sedis*

Minimedusa Weresub & P.M. LeClair 1971 (H)

Corticiales K.H. Larss.**Corticaceae** Herter

Chrysorhiza T.F. Andersen & Stalpers 1996, anamorphic
Waitea Warcup & P.H.B. Talbot 1962
Erythricium J. Erikss. & Hjortstam 1970
Marchandiomyces Dieder. & D. Hawksw. 1990, anamorphic
Marchandiobasidium Diederich & Schultheis 2003 (H)
Michenera Berk. & M.A. Curtis 1868, anamorphic
Licrostroma P.A. Lemke 1964 (H)
Tretopileus B.O. Dodge 1946 (H)

Hymenochaetales Oberw.**Schizoporaceae** Jülich

Echinodia Pat. 1918, anamorphic *Echinoporia* Ryvarden 1980 (H)

Hymenochaetales, genera *incertae sedis*

Caeruleomyces Stalpers 2000

Polyporales Gäum.**Corticaceae** Herter

Necator Masee 1898 (H)

Fomitopsidaceae Jülich

Ptychogaster Corda 1838, anamorphic
Oligoporus Bref. 1888 and *Postia* Fr. 1874 (H)
Sporotrichum Link 1809, anamorphic
Laetiporus Murrill 1904 and *Pycnoporellus* Murrill 1905 (H)

Ganodermataceae Donk

Thermophymatospora Udagawa, Awao & Abdullah 1986, anamorphic
Ganoderma P. Karst. 1881 (H)

Hyphodermataceae Jülich

Aegerita Pers. 1801, anamorphic *Bulbillomyces* Jülich 1974 (H)
Aegeritina Jülich 1984, anamorphic
Subulicystidium Parmasto 1968 (H)

Meruliaceae P. Karst.

Bornetina L. Mangin & Viala 1903, anamorphic
Diacanthodes Singer 1945 (H)
Sporotrichopsis Stalpers (2000), anamorphic
Abortiporus Murrill (H)

Phanerochaetaceae Jülich

Erythricium J. Erikss. & Hjortstam 1970, anamorph of
Phanerochaete P. Karst. 1889
Sporotrichum Link 1809, anamorphic
Phanerochaete P. Karst. 1889 (H)

Polyporaceae Fr. ex Corda

Digitellus Paulet 1791, anamorphic
Lentinus Fr. 1825 (H)
Mycelithe Gasp. 1841, anamorphic
Polyporus P. Micheli ex Adans. 1763 (C)?
Pachyma Fr. 1822, anamorphic
Lentinus Fr. 1825, *Macrohyporia* I. Johans. &

Ryvarden 1979, *Polyporus* P. Micheli ex Adans. 1763, *Lignosus* Lloyd ex Torrend 1920 and *Wolfiporia* Ryvarden & Gilb. 1984 (H)

Russulales Kreisel ex P.M. Kirk, P.F. Cannon & J.C. David

Bondarzewiaceae Kotl. & Pouzar

Spiniger Stalpers 1974, anamorphic
Bondarzewia Singer 1940 and *Heterobasidium* Bref. 1888 (H)

Echinodontiaceae Donk

Spiniger Stalpers 1974, anamorphic *Laurilia* Pouzar 1959 (H)

Lachnocladiaceae D.A. Reid

Spiniger Stalpers 1974, anamorphic
Dichostereum Pilát 1926 (H)

Stereaceae Pilát

Acaromyces Boekhout, Scorzetti, Gerson & Szejnb. 2003 (H)

Aleurocystis Lloyd ex G. Cunn. 1956, anamorphic *Licrostroma* P.A. Lemke 1964 (?C)

Matula Masee 1888, anamorphic *Aleurocystis* Lloyd ex G. Cunn. 1956 (H)

Sebacinales M. Weiss, Selosse, Rexer, A. Urb. & Oberw.

Sebacinaceae K. Wells & Oberw.

Craterocolla Bref. 1888

Ditangium P. Karst. 1867, anamorphic
Craterocolla Bref. 1888 (H)

?*Chaetospermum* Sacc. 1892, anamorphic
Efibulobasidium K. Wells 1975 (C)

Flahaultiella Seifert 2009, anamorphic
Sebacina Tul. & C. Tul. 1871 (H)

Opadorhiza T.F. Andersen & R.T. Moore 1996, anamorphic *Sebacina* Tul. & C. Tul. 1871 (H)

Piriformospora Sav. Verma, Aj. Varma, Rexer, G. Kost & P. Franken 1998 (H)

Thelephorales Corner ex Oberw.

Thelephoraceae Chevall.

Parahaplotrichum W.A. Baker & Partr. 2001, anamorphic *Botryobasidium* Rick 1959 (H)

Agaricomycetes, genera *incertae sedis*

Akenomyces G. Arnaud ex D. Hornby 1984 (H)

Arthrodochium R.F. Castañeda & W.B. Kendr. 1990 (H)

Arualis Katz 1980 (H)

Bartheletia G. Arnaud ex Scheuer, R. Bauer, M. Lutz, Stabenth., Melnik & Grube 2008 (H)

Cenangiomycetes Dyko & B. Sutton 1979 (H)

Cruciger R. Kirschner & Oberw. 1999 (H)

Dendrosporomyces Nawawi, J. Webster & R.A. Davey 1977 (H)

Ellula Nag Raj 1980 (C)

Fibulo-coela Nag Raj 1978 (C)

Fibulotaeniella Marvanová & Bärl. 1988 (H)

Geotrichopsis Tzean & Estey 1991 (H)

Gloeosynnema Seifert & G. Okada 1988 (H)

Glomerulomyces A.I. Romero & S.E. López 1989 (H)

Glutinoagger Sivan. & Watling 1980 (H)

Myriococcum Fr. 1823 (H)

Nyctalina G. Arnaud 1952 (H)

Pagidospora Drechsler 1960 (H)

Pycnovellomyces R.F. Castañeda 1987 (C)

Riessia Fresen. 1852 (H)

Riessiella Jülich 1985 (H)

Titaeella G. Arnaud ex K. Ando & Tubaki 1985 (H)

Tricladomyces Nawawi 1985 (H)

Class Dacrymycetes Doweld

Dacrymycetales Henn.

Dacrymycetaceae J. Schröt.

Cerinosterus R.T. Moore 1987 (H)

Dacryoscyphus R. Kirschner & Zhu L. Yang 2005 (H)

Class Tremellomycetes Hibbett, Matheny, & Manfr. Binder

Cystofilobasidiales Fell, Roelijmans & Boekhout

Cystofilobasidiaceae K. Wells & Bandoni

Guehomyces Fell & Scorzetti 2004

Itersonia Derx 1948

Mrakiella Margesin & Fell 2008 (H)

Phaffia M.W. Mill., Yoney. & Soneda 1976, anamorphic *Xanthophyllumycetes* Golubev 1995 (C)

Rhodozyma Phaff, M.W. Mill., Yoney. & Soneda 1972, anamorphic *Xanthophylomyces* Golubev 1995
Tausonia Babeva 1998
Udeniomyces Nakase & Takem. 1992 (Y)

Filobasidiales Jülich

Filobasidiaceae L.S. Olive

Cryptococcus Vuill. 1901, anamorphic
Filobasidium L.S. Olive 1968 (Y)

Tremellales Fr.

Cuniculitremaeae J.P. Samp., R. Kirschner & M. Weiss

Fellomyces Y. Yamada & I. Banno 1984 (Y)

Kockovaella Nakase, I. Banno & Y. Yamada 1991 (Y)

Sterigmatosporidium G. Kraep. & U. Schulze 1983, anamorphic *Cuniculitrema* J.P. Samp. & R. Kirschner 2001 (Y)

Tremellina Bandoni 1986, anamorphic
Cuniculitrema J.P. Samp. & R. Kirschner 2001 (H)

Hyaloriaceae Lindau

Helicomysa R. Kirschner & Chee J. Chen 2004 (H)

Tremellaceae Fr.

Anastomyces W.P. Wu, B. Sutton & Gange 1997 (H)

Bullera Derx 1930 (Yeast)

Cryptococcus Vuill. 1901, anamorphic
Filobasidiella Kwon-Chung 1976 (Y)

Hormomyces Bonord. 1851, anamorphic
Tremella Pers. 1794 (H)

Hormomyces-like anamorphic *Biatoropsis* Räsänen 1934 (H)

Tsuchiyaea Y. Yamada, H. Kawas., Itoh, I. Banno & Nakase 1988 (H)

Trichosporonaceae Nann.

Asterotremella Prillinger, Lopandic & Sugita 2007 (Y)

Trichosporon Behrend 1890 (Y)

Tritirachium Limber 1940, anamorphic
Neorehmia Höhn. 1902 (H)

Tremellales genera *incertae sedis*

Deroxomyces F.Y. Bai & Q.M. Wang 2008 (Y)

Hannaella F.Y. Bai & Q.M. Wang 2008 (Y)

Moniliella Stolk & Dakin 1966 (H)

Tremellomycetes, genera *incertae sedis*

Heteromycophaga P. Roberts 1997 (Yeast-like)

Moniliella Stolk & Dakin 1966 (H)

Trichosporonoides Haskins & J.F.T. Spencer 1967 (H)

AGARICOMYCOTINA, genera *incertae sedis*

Microstella K. Ando & Tubaki 1984 (H)

Subphylum PUCCINIOMYCOTINA R.

Bauer, Begerow, J.P. Samp., M. Weiss & Oberw

Class Agaricostilbomycetes R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw.

Agaricostilbales Oberw. & R. Bauer

Agaricostilbaceae Oberw. & R. Bauer

Agaricostilbum J. Wright 1970 (H)

Bensingtonia Ingold 1986 (Y)

Sterigmatomyces Fell 1966 (Y)

Chionosphaeraceae Oberw. & Bandoni

Kurtzmanomyces Y. Yamada, Itoh, H. Kawas., I. Banno & Nakase 1989 (Y)

Mycogloea L.S.Olive 1950 (Y)

Class Atractiellomycetes R. Bauer, Begerow, J.P. Samp., M. Weiss & Oberw.

Atractiellales Oberw. & Bandoni

Phleogenaceae Gäum.

Atractiella Sacc. 1886 (H)

Basidiopycnides J. Reid, Eyjólfssd. & Georg Hausner 2008, anamorphic *Basidiopycnis* Oberw., R. Kirschner, R. Bauer, Begerow & Arenal 2006 (H)

Saccoblastiaceae Jülich

Infundibura Nag Raj & W.B. Kendr. 1981 (H)

Atractiellales, genera *incertae sedis*

Atractogloea Oberw. & Bandoni 1982 (H)

Hobsonia Berk. ex Masee 1891 (H)

Leucogloea R. Kirschner 2004 (H)

Tricladomyces Nawawi 1985 (H)

Pachnocybales R. Bauer, Begerow, J.P. Samp.,
M. Weiss & Oberw. 2006
Pachnocybaceae Oberw. & R. Bauer 1989
Pachnocybe Berk. 1836 (H)

Class *Classiculomycetes* R. Bauer, Begerow,
J.P. Samp., M. Weiss & Oberw.
Classiculales R. Bauer, Begerow, Oberw. &
Marvanová
Classiculaceae Bauer, Begerow, Oberw. &
Marvanová
Jaculispora H.J. Huds. & Ingold 1960 (H)
Naiadella Marvanová & Bandoni 1987,
anamorphic *Classicula* R. Bauer, Begerow,
Oberw. & Marvanová 2003 (H)

Class *Cryptomycocolacomycetes* R. Bauer,
Begerow, J.P. Samp., M. Weiss & Oberw.
Cryptomycocolacales Oberw. & R. Bauer
Cryptomycocolacaceae Oberw. & R. Bauer
Colacosiphon R. Kirschner, R. Bauer &
Oberw. 2001 (H)

Class *Cystobasidiomycetes* R. Bauer,
Begerow, J.P. Samp., M. Weiss & Oberw.
Erythrobasidiales, genera *incertae sedis*
Bannoa Hamam. 2002 (Y)
Erythrobasidium Hamam., Sugiy. & Komag. 1988 (Y)

Class *Microbotryomycetes* R. Bauer, Begerow,
J.P. Samp., M. Weiss & Oberw.
Heterogastridiales Oberw. & R. Bauer
Heterogastridiaceae Oberw. & R. Bauer
Hyalopycnis Höhn. 1918, anamorphic
Heterogastridium Oberw. & R. Bauer
1990 (C)

Leucosporidiales J.P. Samp., M. Weiss & R.
Bauer
Leucosporidiaceae Jülich
Leucosporidiella Samp. 2003 (Y)

Microbotryales R. Bauer & Oberw., genera
incertae sedis
Reniforma Pore & Sorenson 1990 (Y)

Sporidiobolales Doweld
Sporidiobolaceae R.T. Moore
Blastoderma B. Fisch. & Brebeck 1894,
anamorphic *Sporidiobolus* Nyland 1950
(Y)

Rhodomycetes Wettst. 1885, anamorphic
Sporidiobolus Nyland 1950
Sporobolomyces Kluyver & C.B. Niel
1924, anamorphic *Sporidiobolus* Nyland 1950 (H)

Sporidiobolales, genera *incertae sedis*
Ballistosporomyces Nakase, G. Okada &
Sugiy., in Nakase, Okada, Sugiyama, Itoh &
Suzuki 1989
Erythrobasidium Hamam., Sugiy. &
Komag. 1988, anamorphic *Rhodospo-*
ridium Banno 1967 (Y)
Rhodotorula F.C. Harrison 1927, ana-
morphic *Rhodospo-*
ridium Banno 1967
(Y)

Microbotryomycetes, genera *incertae sedis*
Crucella Marvanová & Suberkr. 1990,
anamorphic *Camptobasidium* Marva-
nová & Suberkr. 1990 (H)

Class *Pucciniomycetes* R. Bauer, Begerow,
J.P. Samp., M. Weiss & Oberw.
Helicobasidiales R. Bauer, Begerow, J.P.
Samp., M. Weiss & Oberw.
Helicobasidiaceae P.M. Kirk
Thanatophytum Nees 1816, anamorphic
Helicobasidium Pat. 1885 (H)
Tuberculina Tode ex Sacc. 1880, ana-
morphic *Helicobasidium* Pat. 1885 (H)

Platyglloeales R.T. Moore
Eocronartiaceae Jülich
Glomopsis D.M. Hend. 1961, anamorphic
Herpobasidium Lind 1908 (H)

Platyglloeaceae Racib. 1909
Infundibura Nag Raj & W.B. Kendr. 1981,
anamorphic *Helicogloea* Pat. 1892 (H)
Leucogloea R. Kirschner 2004 anamorphic
Helicogloea Pat. 1892 (H)

Uncolaceae Buriticá
Calidion Syd. & P. Syd. 1919 (R)

Pucciniales Clem. & Shear
Coleosporiaceae Dietel
?Chryso-myxa Unger 1840, anamorphic
Peridermium (Link) J.C. Schmidt &
Kunze 1817 (R)

Cronartiaceae Dietel

?*Cronartium* Fr. 1815, anamorphic *Peridermium* (Link) J.C. Schmidt & Kunze 1817 (R)

Phakopsoraceae Cummins & Hirats. f.

Aeciure Buriticá & J.F. Hennen 1994, anamorphic *Arthuria* H.S. Jacks (R)

Macabuna Buriticá & J.F. Hennen 1994

Malupa Y. Ono, Buriticá & J.F. Hennen 1992 (R)

Milesia F.B. White 1878, anamorphic *Phakopsora* Dietel 1895 but see *Milesina* Magnus 1909 (R)

Physopella Arthur 1906, anamorphic *Cerotelium* Arthur 1906 and *Phakopsora* Dietel 1895 (R)

Uredendo Buriticá & J.F. Hennen 1994, anamorphic *Phakopsora* Dietel 1895 (?R)

Uredostilbe Buriticá & J.F. Hennen 1994 (?R)

Phragmidiaceae Corda

Gerwasia Racib. 1909, anamorphic *Campulospora* Salazar-Yepes, Pardo-Card. & Buriticá 2007, *Morisporea* Salazar-Yepes, Pardo-Card. & Buriticá 2007 and *Scutelliformis* Salazar-Yepes, Pardo-Card. & Buriticá 2007 (R)

Physonema Lév. 1847, anamorphic *Phragmidium* Link 1815 (?R)

Puccineaceae Chevall.

Caeoma Link 1809 (R)

Roestelia Rebent. 1804, anamorphic *Gymnosporangium* R. Hedw. ex DC. 1805 (R)

Pucciniastraceae Gäum. ex Leppik

Milesia F.B. White 1878, anamorphic *Milesina* Magnus 1909, but see *Phakopsora* Dietel 1895 (R)

Peridiopsora Kamat & Sathe 1969, anamorphic *Milesina* Magnus 1909 (R)

Pomatomyces Oerst. 1864, anamorphic *Thekopsora* Magnus 1875 (?R)

Pucciniastrum G.H. Otth 1861, ?anamorphic *Peridermium* (Link) J.C. Schmidt & Kunze 1817 (R)

Uropyxidaceae Cummins & Y. Hirats.

Canasta A.A. Carvalho & J.F. Hennen 2010, anamorphic *Prospodium* Arthur 1907 (R)

Pucciniales, genera *incertae sedis*

Elateraecium Thirum., F. Kern & B.V. Patil 1966, anamorphic *Hiratsukamyces* Thirum., F. Kern & B.V. Patil 1975 (R)

Intrapes J.F. Hennen & Figueiredo 1979 (?R)

Uraecium Arthur 1933 (R)

Uredo Pers. 1801 (R)

Septobasidiales Couch ex Donk**Septobasidiaceae** Racib.

Johncouchia S. Hughes & Cavalc. 1983, anamorphic *Septobasidium* Pat. 1892 (H)

Subphylum USTILAGINOMYCOTINA R.

Bauer, Begerow, J.P. Samp., M. Weiss & Oberw.

Class Exobasidiomycetes Begerow, M. Stoll, R. Bauer**Doassansiales** R. Bauer & Oberw.**Doassansiaceae** R.T. Moore ex P.M. Kirk, P.F. Cannon & J.C. David

Savulescuella Cif. 1959, anamorphic *Doassansia* Cornu 1883 (H)

Entylomatales R. Bauer & Oberw.**Entylomataceae** R. Bauer & Oberw.

Entylomella Höhn. 1924, anamorphic *Entyloma* de Bary 1874 (H)

Tilletiopsis Derx 1948, anamorphic *Entyloma* de Bary 1874 and *Melanotaenium* de Bary 1874 (H)

Exobasidiales Henn.

Cladostergigma Pat. 1892 (H)

Clinoconidium Pat. 1898 (H)

Coniodictyum Har. & Pat. 1909 (H)

Brachybasidiaceae Gäum.

Meira Boekhout, Scorzetti, Gerson & Sztejn. 2003 (H)

Microstromatales R. Bauer & Oberw.**Microstromataceae** Jülich

Microstroma Niessl 1861 (H)

Sympodiomyopsis Sugiy., Tokuoka &

Komag. 1991 (?Y)

Microstromatales, genera *incertae sedis*
Quambalaria J.A. Simpson 2000 (H)

Class Ustilaginomycetes R. Bauer, Oberw. & Vánky

Urocystidales R. Bauer & Oberw.

Glomosporiaceae Cif.

Rhombiella Liro 1939, anamorphic *Thecaphora* Fingerh. 1836 and *Tothiella* Vánky 1999 (H)

Thecaphorella H. Scholz & I. Scholz 1988, anamorphic *Thecaphora* Fingerh. 1836 (H)

Ustilaginales G. Winter

Anthracoideaceae Denchev

Crotalia Liro 1938, anamorphic *Anthracoida* Bref. 1895 (?Y)

Cintractiellaceae Vánky

Naiadella Marvanová & Bandoni 1987, anamorphic *Classicula* R. Bauer, Begerow, Oberw. & Marvanová 2003 (H)

Ustilaginaceae Tul. & C. Tul.

Pseudozyma Bandoni emend. Boekhout 1985 (H)

Ustilaginomycetes, orders *incertae sedis*

Urocystidiales R. Bauer & Oberw.

Urocystidaceae Begerow, R. Bauer, & Oberw.

Paepalopsis J.G. Kühn 1882, anamorphic *Urocystis* Rabenh. ex Fuckel 1870

Paipalopsis J.G. Kühn 1882, anamorphic *Urocystis* Rabenh. ex Fuckel 1870 (H)

USTILAGINOMYCOTINA, order *incertae sedis*

Malasseziales R.T. Moore

Malassezia Baill. 1889

USTILAGINOMYCOTINA, genera *incertae sedis*

Botryoconis Syd. & P. Syd. 1906 (H)

Tilletiella Zambett. 1970 (H)

BASIDIOMYCOTA, class *incertae sedis*

Wallemiomycetes Zalar, de Hoog & Schroers

Wallemiales Zalar, de Hoog & Schroers

Wallemiaceae R.T. Moore

Wallemia Johan-Olsen 1887 (H)

BASIDIOMYCOTA, genera *incertae sedis*

Anguillomyces Marvanová & Bärl. 2000 (H)

Arcispora Marvanová & Bärl. 1998 (H)

Bartheletica G. Arnaud, in Scheuer, R. Bauer, M. Lutz, Stabentheiner, Mel'nik & Brube 2008 (H)

Gloeosynnema Seifert & G. Okada 1988 (H)

Lactydina Subram. 1978('1977') (H)

Microstella K. Ando & Tubaki 1984 (H)

Nodulospora Marvanová & Bärl. 2000 (H)

Pseudohelicomyces Garnica & E. Valenz. 2000 (H)

Trichosporonoides Haskins & J.F.T. Spencer 1967 (H)

Stachycoremium Seifert 1986 (H)

Stauriella Sivichai & E.B.G. Jones 2004 (H)

Discussion

The study reveals that there are approximately 2895 anamorphic genera names of which 701 genera and 95 anamorph-like genera are linked to teleomorphic genera names, 447 are linked to teleomorph families, orders or classes, while for about 1728 (55%) genera no teleomorph link is known.

The data used in this compilation are mostly from Index Fungorum, Species Fungorum, Kirk et al. (2008) and Seifert et al. (2011), plus publications during 2011 that were available before the manuscript was sent to press. Thus it is not inclusive and it is planned to improve the compilation in future issues. In future issues we will examine the literature from which connections are extracted to establish their basis.

Although we have used data from peer reviewed published data we have no way to confirm the validity of the species names used in various phylogenetic analyses. Where generic types were sequenced we have stated this, but again it is not clear whether correct names have been applied to these taxa or whether they are strains of type material (in most cases they are not).

The naming of fungi has long been problematic because of the dual nomenclature system. The system was introduced because it

was previously often impossible to link a sexual form with the asexual form and therefore there was a need to be able to name both forms (Shenoy et al. 2007). With the advent of the molecular era it is often possible to link the morphs, and if there is no obvious teleomorph it is becoming increasingly feasible to establish the relationship of the anamorphic genus within the teleomorph taxonomic framework (Wingfield et al 2011).

The following names were deleted from last year's outline (Hyde et al. 2011) based on data in Seifert et al. (2011).

Abgliophragma R.Y. Roy & Gujarati
Acanthoderma Syd. & P. Syd.
Aciculariella G. Arnaud
Acinula Fr.
Acrocylindrium Bonord
Acrospira Mont.
Acrosporium Bonord.
Acrotheciella Koord.
Acrothecium (Corda) Preuss
Actinochaete Ferro
Actinodochium Syd.
Actinonema Pers.
Actinospora Ingold
Agarwalia D.P. Tiwari & P.D. Agrawal
Albophoma Tak. Kobay., Masuma, Omura & Kyoto Watan.
Aleurodomyces Buchner
Allescheriella Henn.
Allonema Syd.
Alysidium Kunze
Anthina Fr.
Arnaudina Trotter
Articularia Höhn.
Asterophora Ditmar
Asterophora Ditmar
Astrodochium Ellis & Everh.
Attamyces Kreisel
Basididyma Cif.
Basramyces Abdullah, Abdulk. & Goos
Bhargavaella Sarj. Singh & K.S. Srivast.
Bilboque Viégas
Bilgramia Panwar, Purohit & Chouhan
Bizzozeriella Speg.
Blastoconium Cif.
Blastostroma C.Z. Wei, Y. Harada & Katum.
Botryodeorsum T.P. Devi, N. Mathur, Chowdhry, Jasvir Singh & O. Prakash

Botryomyces Greco
Brachyhelicoon G. Arnaud
Broomeola Kuntze
Bulleribasidium J.P. Samp., M. Weiss & R. Bauer
Bulleribasidium J.P. Samp., M. Weiss & R. Bauer
Bulleromyces Boekhout & Á. Fonseca
Bulleromyces Boekhout & Á. Fonseca
Columnophora Bubák & Vleugel
Cicadocola Brain
Discocolla Prill. & Delacr.
Drechleromyces Subram.
Dryadomyces Gebhardt
Eladia G. Sm. 1961
Graphilbum H.P. Upadhyay & W.B. Kendr.
Helicoceras Linder
Helicosporina G. Arnaud ex Rambelli
Helminthophora Bonord.
Hennebertia M. Morelet
Heydenia Fresen.
Hormiactella Sacc.
Hormisciopsis Sumst.
Infracungus Cif.
Jainesia Gonz. Frag. & Cif.
Keratinomyces Vanbreus.
Loboa Cif., P.C. Azevedo, Campos & Carneiro 1956
Magdalaenaea G. Arnaud
Mammariopsis L.J. Hutchison & J. Reid
Manoharachariomyces N.K. Rao, D.K. Agarwal & Kunwar
Mastigomyces Imshen. & Kriss
Microides H.Y. Yip & A.C. Rath
Mucobasispora Mustafa & Abdul-Wahid
Multicladium K.B. Deshp. & K.S. Deshp.
Multipatina Sawada
Myceloderma Ducomet
Mycobacillaria Naumov
Myropyxis Ces. ex Rabenh.
Naranus Ts. Watan.
Negeriella Henn.
Obstipispora R.C. Sinclair & Morgan-Jones
Ochroconis de Hoog & Arx
Ommatosporella Bat., J.L. Bezerra & Poroca
Ordus K. Ando & Tubaki
Panchanania Subram. & N.G. Nair
Paradactylaria Subram. & Sudha
Paradactylella Matsush.
Paraphialocephala Budathoki
Periola Fr.
Phragmodochium Höhn.

Plectrothrix Shear
Pollaccia E.Bald. & Cif.
Polyscystalina G. Arnaud
Polysynnema Constant. & Seifert
Polythrinciopsis J. Walker
Poroisariopsis M. Morelet
Pseudocladosporium Braun. 1998
Pseudohansfordia G.R.W. Arnold
Pseudostilbella Munt.-Cvetk. & Gómez-Bolea
Pseudostracoderma A.E. Martinez & Godeas
Pulvinotrichum Gamundí, Aramb. & Gaiotti
Racodium Pers.
Racodium Pers.
Ramalia Bat. 1957
Ramaraomyces N.K. Rao, Manohar. & Goos
Ramoacrodictys G.Z. Zhao
Ramulaspera Lindr.
Rhabdomyces Balbiani
Roigiella R.F. Castañeda
Sagrahamala Subram.
Saliastrum myrtilli (Allesch.) Kujala
Septodochium Matsush.
Solheimia E.F. Morris 1967
Sphaerocola P. Karst.
Sphaerocybe Magrou & Marneffe
Stenocephalum Chamuris & C.J.K. Wang
Stephanosporium Dal Vesco
Stevensomyces E.F. Morris & Finley
Synnukerjiomyces Aneja & R. Kumar
Tretophragmia Subram. & Natarajan
Tylomyces Cortini
Vamsapriya Gawas & Bhat
Vasculomyces S.F. Ashby
Veronaella Subram. & K.R.C. Reddy
Volutellis Clem. & Shear
Volutellopsis Speg.
Yunnania H.Z. Kong

Notes

Notes are provided on recent published data on anamorphic taxa. Notes are provided if new data is published in relation to the phylogeny, if changes in anamorph or teleomorph linkages have been revealed and if new genera are introduced. If well known connections are confirmed we may provide data from one or more publications, however, in many cases we did not cite these data as the known connections are unchanged.

Acremonium Link

Summerbell et al. (2011) generated sequences for members of *Acremonium* and showed that within *Hypocreales*, there are two major clusters containing multiple *Acremonium* species. One clade contains *A. sclerotigenum*, the genus *Emericellopsis*, and the genus *Geosmithia* as prominent elements. The second clade contains the genera *Gliomastix sensu stricto* and *Bionectria*. In addition, there were numerous smaller clades plus two multi-species clades, one containing *A. strictum* and related species plus *A. curvulum* and related species. An account of *Acremonium* is provided in Seifert et al. (2011).

Acroconidiellina (Berk. & Broome) M.B. Ellis

Zhang et al. (2011a) stated that *Acroconidiellina arecae* is anamorphic *Acantharia arecae*.

Acrostalagmus Corda

Stilbella annulata was newly combined in *Acrostalagmus annulatus* (family *Plectosphaerellaceae*) by Reblova et al. (2011).

Alternaria Nees

Toth et al. (2011) described a new *Alternaria* species, as *A. hungarica* using macro and micro morphological examinations and ITS sequence analyses. Further, it was placed in *Pleosporaceae*. An account of *Alternaria* is provided in Seifert et al. (2011).

Antennariella Bat. & Cif.

Chomnunti et al. (2011) suggested that the taxonomic placement is uncertain.

Aquaphila Goh, K.D. Hyde & W.H. Ho

Boonmee et al. (2011) confirmed this genus as anamorphic *Tubeufia*.

Aspergillus P. Micheli ex Link

Sexual reproduction was examined in *Aspergillus nomius* by Horn et al. (2011). Crosses between sexually compatible strains resulted in the formation of multiple nonostiolate ascocarps within stromata, which places the teleomorph in genus *Petromyces* in *Trichocomaceae*. Ascocarp and ascospore morphology in *P. nomius* were similar to that in *P. flavus* and *P. parasiticus*, and difference

between telemorphs were insufficient for species separation. An account of *Aspergillus* is provided in Seifert et al. (2011).

***Beauveria* Vuill.**

Rehner et al. (2011) carried out multilocus phylogeny of *Beauveria* based on partial sequences of *RPB1*, *RPB2*, *TEF* and the nuclear intergenic region, Bloc. They assessed diversity within the genus and evaluated species concepts and their taxonomic status. Further, they proposed types for *B. bassiana* and *B. brongniartii* while describing six new species. An account of *Beauveria* is provided in Seifert et al. (2011).

***Chalara* (Corda) Rabenh.**

Seifert et al. (2011) reported four telemorph species and tentatively another twelve species that can be telemorphs.

***Ciferrioxylum* Bat. & H. Maia**

The telemorph, *Aithaloderma* was transferred to *Chaetothyriaceae* by Chomnunti et al. (2011)

***Cladobotryum* Nees**

Poldmaa (2011) reported twelve new species of *Cladobotryum/Hypomyces* in *Hypocreaceae*. Ten of these were described as new species, including telemorphs for two previously known anamorphic species; *Cladobotryum coriolopsicola* anamorphic *Hypomyces samuelsii* and *Cladobotryum virescens* anamorphic *Hypomyces virescens*. Also *Cladobotryum heterosporum*, *C. indoafrum*, and *C. tchimbelense* were described as new anamorphic species.

***Conidiocarpus* Woron.**

Chomnunti et al. (2011) confirmed this genus to be anamorphic *Phragmocarpnias*.

***Custingophora* Stolk, Hennebert & Klopotek**

Species of *Gondwanamyces* and their *Custingophora* anamorphs were introduced into a new family *Gondwanamycetaceae*, by Reblova et al. (2011a).

***Cylindrocarpon* Wollenw.**

Chaverri et al. (2011) showed five distinct highly supported clades that correspond

to some extent with the informal *Cylindrocarpon* (anamorph) and *Neonectria* (telemorph) groups and three of which are newly described. The following genera were recognised: (1) *Neonectria* / *Cylindrocarpon sensu stricto* (*N. coccinea*-group); (2) *N. rugulosa*-group, hereafter *Rugonectria* gen. nov.; (3) *N. mammoidea* / *veuillotiana*-group, hereafter *Thelonectria* gen. nov.; (4) *N. radicolica* group, hereafter *Ilyonectria* gen. nov.; and (5) *Campylocarpon*. and also, results showed that *Neonectria/Cylindrocarpon sensu stricto* clusters with *Neonectria fuckeliana*, and *T. jungneri* with *Thelonectria*.

***Cylindrotrichum* Bonord.**

Reblova et al. (2011b) introduced a new genus *Reticulascus* for *Chaetosphaeria tulasneorum* with associated *Cylindrotrichum* anamorph and placed in new family *Reticulascaceae*.

***Discosia* Lib.**

Tanka et al. (2011) showed *Discosia* was not monophyletic and was separated into two distinct lineages. The new genus *Immersidiscosia* (family *Amphisphaeriaceae*) was erected on the basis of SSU, LSU and ITS nrDNA and β -tubulin gene sequences. Further, they stated this genus anamorphic *Adisciso*.

***Eriothyrium* Speg.**

Wu et al. (2011) transferred the telemorph to *Asterinaceae* and confirmed to be anamorphic *Asterinema*

***Fumiglobus* D.R. Reynolds & G.S. Gilbert**

Chomnunti et al. (2011) listed the placement of this genus in *Capnodiaceae* as doubtful.

***Fusarium* Link**

Schroers et al. (2011) reinstated the connection of of *Fusarium buxicola* with the bluish black and KOH+ perithecial species *Cyanonectria buxi*. The connection of *F. buxicola* is often erroneously reported as the anamorph of *Geejayessia desmazier*.

A new species, *Fusarium musae* was described together with its telemorph *Gibberella musae* by Hove et al. (2011).

Scauflaire et al (2011) used a robust

polyphasic approach to describe a new biological species, *Fusarium temperatum*, within the *Gibberella fujikuroi* species complex.

***Geosmithia* Pitt**

Geosmithia morbida is a new species described by the Kolarik et al. (2011) and this is the first report of a phytopathogenic species in this genus and in the *Bionectriaceae*. *G. morbida* has been isolated only from *Pityophthorus juglandis* or from necrotic phloem associated with *P. juglandis* feeding on *Juglans* species in western USA. The teleomorph is unknown.

***Gliomastix* Guég.**

Gliomastix (*Hypocreales*) was revived for five species, *G. murorum*, *G. polychroma*, *G. tumulicola*, *G. roseogrisea*, and *G. masseei* by Summerbell et al. (2011)

***Heliocephala* V.G. Rao, K.A. Reddy & de Hoog**

Abarca et al. (2011) recognized *Heliocephala* and *Holubovaniella* as synonymous and described a new species *Heliocephala triseptata*. All the species were positioned in Dothideomycetes and identified *Stomiopeltis betulae* (*Micropeltidaceae*) its closest relative.

***Helicoma* Corda**

Boonmee et al. (2011) confirmed this genus to be anamorphic *Tubeufia* and *Thaxteriella*. Further they introduced a new genus *Chlamydotubeufia* and *H. Chlamydosporum* and *H. depressispora* were transferred to a new genus.

***Helicoön* Morgan**

Boonmee et al. (2011) confirmed this genus to be anamorphic *Tubeufiaceae*.

***Helicomycetes* Link**

Boonmee et al. (2011) ensured that *Helicomycetes* to be anamorphic *Acanthostigma*.

***Helicosporium* Nees**

Boonmee et al. (2011) confirmed that *Helicosporium* to be anamorphic *Acanthostigma* and *Tubeufia*.

***Holubovaniella* R.F. Castañeda**

Abarca et al. (2011) placed all the species in Dothideomycetes and identified *Stomiopeltis betulae* (*Micropeltidaceae*) as their closest relative by analysing large subunit rDNA.

***Hyphopodia*-like**

Suetrong et al. (2011) introduced a new family, *Trematosphaeriaceae*. *Trematosphaeria* is the type genus and *Hyphopodia*-like anamorphs were recorded.

***Immersidiscosia* Kaz. Tanaka, Okane & Hosoya**

Discosia eucalypti deviated from *Discosia* clade and was transferred to a new genus, *Immersidiscosia* (family *Amphisphaeriaceae*) by Tanaka et al. (2011) on the basis of SSU, LSU and ITS nrDNA and β -tubulin gene sequencing.

***Leptographium* Lagerb. & Melin**

Kim et al. (2011) recorded a new *Leptographium* species, *L. tereforme* (*Ophiostomataceae*) isolated from the bark beetle *Hulurgus ligniperda*.

***Leptoxyphium* Speg.**

The teleomorph, *Aithaloderma* was transferred to *Chaetothyriaceae* by Chomnunti et al. (2011).

***Lomaantha* Subram.**

Ma et al. (2011) described a new species *Lomaantha phragmitis* (anamorphic *Pezizomycotina*) and provided a key and synoptic table of morphological characters of all three *Lomaantha* species.

***Lolia* Abdel- Aziz & Abdel- Wahab**

Phylogenetic analyses of the 28S ribosomal large subunit (LSU) rDNA sequence placed the new fungus in the family *Lindgomycetaceae*, *Pleosporales*.

***Mariannaea* G. Arnaud ex Samson**

A new species of *Mariannaea* (family *Nectriaceae*) was described as *M. samuelsii* by Grafenhan et al. (2011).

Microcera Desm.

Grafenhan et al. (2011) described a new species as *Microcera rubra*.

Mirandina G. Arnaud ex Matsush.

Boonmee et al. (2011) removed the teleomorph *Taphrophila* from *Tubeufiaceae*.

Monilochaetes Halst. ex Harter

Reblova et al. (2011) confirmed the synonymy of *Monilochaetes* with *Dischloridium*.

Microxiphium (Harv. ex Berk. & Desm.) Thüm.

Chomnunti et al. (2011) stated that this is polyphyletic and included *Coccodiniaceae*.

Phaeoxyphiella Bat. & Cif. 1963

Chomnunti et al. (2011) confirmed *Phaeoxyphiella* to be anamorphic *Capnodium*.

Polychaeton (Pers.) Lev.

Chomnunti et al. (2011) confirmed this genus to be anamorphic *Capnodiaceae*.

Polychaetella Speng.

Chomnunti et al. (2011) stated that the status of this genus in *Capnodiaceae* is uncertain.

Pseudotriporiconidium Z.F. Yu, Ying Zhang & K.Q. Zhang

A new anamorph genus *Pseudotriporiconidium* was proposed by the Yu et al. (2011) using morphological and molecular analyses. It was described based on four isolates from ascospores of *Orbilina* aff. *luteorubella*. Also, this fungus differs from previously known *Orbilina* anamorphs in producing inversely pyramidal, unicellular conidia with several protuberances at their distal end.

Repetophragma Subram.

Ruiz et al. (2011) described a new species *R. paracambrense* from Mexico by the morphology of its conidia.

Rhynchosporium Heinsen ex A.B. Frank

Two new species of *Rhynchosporium* anamorphic *Dermateaceae* (*R. commune* and

R. agropyri) were described by the Zaffarano et al. (2011).

Sarcinella Sacc.

A new species of *Sarcinella* (*S. tamarindi*) and its *Questieriella* synanamorph (family *Englerulaceae*) were reported by Hosagoudar & Riju (2011).

Scolecoxyphium Cif. & Bat.

Chomnunti et al. (2011) confirmed this genus to be anamorphic *Capnodium* and *Scorias*.

Stachylidium Link

Stachylidium was added in to the family *Plectosphaerellaceae* by Reblova et al. (2011)

Sterigmatobotrys Oudem.

Reblova & Seifert (2011) reported the teleomorph of *Sterigmatobotrys macrocarpa* (anamorphic Pezizomycotina) to be morphologically similar to the species of genera *Carpoligna* and *Chaetosphaeria*; but ncLSU phylogeny confirmed that *Sterigmatobotrys* is closely related to *Carpoligna* and its *Pleurothecium* anamorph and to the anamorphic species *Pleurothecium obovoideum*.

Stilbella Lindau

Jaklitsch & Voglmayr (2011) described a new teleomorph *Nectria eustromatica* which has an anamorph, shares morphological traits with the genera *Stilbella* but produces non-phialidic macroconidia in addition to phialoconidia.

Symptodiella-like

Zhang et al. (2011a) reported *Symptodiella*-like anamorphs from *Symptoventuria*.

Trichoderma Pers.

A new species of *Trichoderma* (anamorphic *Hypocrea*) (family *Hypocreaceae*), *T. amazonicum*, endophytic on the living sapwood and leaves of *Hevea* spp. trees was described by Chaverri et al. (2011).

Trichothecium Link

The genus *Trichothecium* was revised following the principles of unitary nomenclature based on the oldest valid anamorph

or teleomorph name, and new combinations are made in *Trichothecium* for the tightly interrelated *Acremonium crotocinigenum*, *Spicellum roseum*, and teleomorph *Leucosphærina indica* by Summerbell et al. (2011).

Tripospermum Speg.

Seifert et al. (2011) stated that *Tripospermum* to be anamorphic *Triposporiopsis*. However Chomnunti et al. (2011) suggested its status is uncertain.

Tubercularia Weber ex F.H. Wigg

Jaklitsch & Voglmayr (2011) described a new teleomorph *Nectria eustromatica* with an anamorph that shares morphological traits with *Tubercularia* but produces non-phialidic macroconidia in addition to phialoconidia.

Veronaeopsis Arzanlou & Crous

Zhang et al. (2011a) transferred this genus to a new family *Symptoventuriaceae*.

Zymoseptoria Quaedvlieg & Crous

Quaedvlieg et al. (2011) described the new genus *Zymoseptoria* (anamorphic *Mycosphaerella*).

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