

---

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

---

Wijayawardene DNN<sup>1,2</sup>, McKenzie EHC<sup>3</sup> and Hyde KD<sup>1,2</sup>

<sup>1</sup>Institute of Excellence in Fungal Research, Mae Fah Luang University, Chiang Rai 57100, Thailand

<sup>2</sup>School of Science, Mae Fah Luang University, Chiang Rai 57100, Thailand

<sup>3</sup>Manaaki Whenua Landcare Research, Private Bag 92170, Auckland, New Zealand

Wijayawardene DNN, McKenzie EHC, Hyde KD 2012 – Towards incorporating anamorphic fungi in a natural classification – checklist and notes for 2011. *Mycosphere* 3(2), 157-228, Doi 10.5943/mycosphere/3/2/5

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.

**Key words** – Asexual fungi – life cycle – sexual fungi – taxonomy

---

### Article Information

Received 24 March 2012

Accepted 29 March 2012

Published online 10 April 2012

Corresponding author: KD Hyde – e-mail – kdhyde3@gmail.com

---

### 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.

**Antennulariaceae** 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 *Ophiocapnocoma* 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 *Scirrhia* 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)

*Tripospherium* 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)  
*Synholus* A.W. Ramaley & M.E. Barr 1997, anamorphic *Syncarpella* Theiss. & Syd. 1915 (C)

**Diademaceae** Shoemaker & C.E. Babco.

- 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 *Dubitatio* 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 *Eudarluka* 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)  
*Marielliotia* 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 *Lasiobotrys* Kunze 1823 (H)  
*Undifilum* Pryor, Creamer, Shoemaker, McLain-Romero & Hambl. 2009 (H)

***Sporormiaceae*** Munk

- ?*Amorosia* 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)

***Tetraplosphaeriaceae*** 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 *Tetraplosphaeria* 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)

*Cheiromoniliophora* Tzean & J.L. Chen 1990 (H)

*Diplococcium* Grove 1885 (H)

*Ellisemia* Subram. 1992 (H)

*Epicoccum* Link 1815 (H)

*Fusculina* 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.

*Alysidiella* 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 *Mytilinidion* 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 *Mytilinidion* Duby 1862 (H)

*Taeniolella* S. Hughes 1958, anamorphic *Mytilinidion* 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, ana-  
 morphic *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 *Microcyl-  
us* Sacc., Syd. & P. Syd. 1904 (C)

*Fusicladium* Bonord. 1851, anamorphic  
*Microcylus* Sacc., Syd. & P. Syd. 1904  
(H)

*Hyphospora* A.W. Ramaley 1996, ana-  
morphic *Comminutispora* A.W. Rama-  
ley 1996 (H)

*Kellermania* Ellis & Everh. 1885, ana-  
morphic *Planistroma* A.W. Ramaley  
1991 (C)

*Lecanosticta* Syd. 1922, anamorphic *Erup-  
tio* M.E. Barr 1996 (C)

*Pazschkeella* Syd. & P. Syd. 1901, ana-  
morphic *Microcylus* Sacc., Syd. & P.  
Syd. 1904 (C)

*Piptarthron* Mont. ex Höhn. 1918, ana-  
morphic *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 *Mun-  
kiella* Speg. 1885 (C)

**Pseudoperisporiaceae** Toro

*Chaetosticta* Petr. & Syd. 1925, ana-  
morphic *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, ana-  
morphic *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 *Putte-  
mansia* Henn. 1902 (H)

*Helicoma* Corda 1837, anamorphic *Tubeu-  
fia* Penz. & Sacc. 1898, *Thaxteriella*  
Petr. 1924 and *Chlamydotubeufia* Boo-  
nmee & 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, ana-  
morphic *Podonectria* Petch 1921 (H)

*Spermatoloncha* Speg. 1908 (H)

*Tetracrium* Henn. 1902, anamorphic *Putt-  
emansia* Henn. 1902 and *Podonectria*  
Petch 1921 (H)

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

*Xenosporium* Penz. & Sacc. 1901, ana-  
morphic *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)

*Phanerococculus* 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* Kholm., Volkm.-Kholm. & 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

#### **Corneliiales** 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  
*Coreomyces* 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)

*Rhinocladia*-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)\*  
*Cheiromyella* 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, *Scleromitula*

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)

**Leotiomyces**, 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)

**Leotiomyces**, 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)  
*Pseudotriporiconidium* 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 *Roumegue-riella* Speg. 1880 (H)

*Gliomastix* Guég. 1905 (H)\*

*Gracilistilbella* 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 *Heleoc-occum* 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 & Hesselt. 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)
- Sorosporella* 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)  
*Musicillium* 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)  
 ?*Glomerulispota* 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)  
*Pyrigemula* 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* Ciccar. 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)  
*Hyalorhinocладиella* 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)  
*Hyalorhinocладиella*-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 *Podospora* 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 *Podospora* 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)

*Lasiadelphia* 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. Caldich, 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* Vestergr. 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.

*Arthrinium* 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 *Annulohypoxylon* Y.M. Ju, J.D. Rogers & H.M. Hsieh 2005, *Biscogniauxia* Kuntze 1891, *Daldinia* Ces. & De Not. 1863, *Entonaema* Möller 1901, *Hypoxylon* 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)

*Rhinoctadiella*-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)

*Rhinoctadiella*-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

*Teberdinia* 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)  
*Alysiidiopsis* 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)  
*Arthrowallema* 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* Kırilis 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)  
*Colletconis* 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)  
*Costanetia* 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)  
*Cytonaema* Höhn. 1914 (C)  
*Cytoplacosphaeria* Petr. 1920 (C)  
*Cytopleastrum* Abbas, B. Sutton, Ghaffar & A. Abbas 2004 (C)  
*Cytosphaera* Died. 1916 (C)  
*Cytospora* 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)
- Dwiroopella* 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)
- Elegantimyces* 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)  
*Goosiomycetes* 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)  
*Haplobasidium* 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)  
*Lichenocodium* 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)  
*Nematogonum* 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)  
*Paraiocladium* R.F. Castañeda 1986 (H)  
*Paspalomyces* Linder 1933 (H)  
*Patouillardiella* 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* Agnihothr. 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)  
*Porrectothea* 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)  
*Pseudocanalispodium* 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)  
*Pyriptomys* 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)  
*Retarius* 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* Søchting & 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)  
*Septocyta* Petr. 1927 (C)  
*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* Kühlw. & 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* Rathaiah 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)  
*Tryssglobulus* 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)  
*Verticicladus* 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)  
*Zelotriadelfia* 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)

*Fibulocoela* Nag Raj 1978 (C)

*Fibulotaeniella* Marvanová & Bärli. 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 *Xanthophyllumyces* 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 cedis*

***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 *Rhodosporeidium* 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

?*Chrysoomyxa* 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 *Campanulospora* 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* Rehbent. 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.  
*Polyscytalina* 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  
*Septodoichium* 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  
*Synnmuikerjiomyces* 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. tchimbelenense* 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  $\beta$ -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 *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. Chlamydotosporum* 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  $\beta$ -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 *Sympoventuria*.

**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 *Leucosphaerina 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*).

## **References**

- Abarca GH, Ruiz RFC, Mota RMA, Hernandez CIB, Gomez S, Bogale M, Untereiner WA. 2011 – A new species of *Heliocephala* from Mexico with an assessment of the systematic position of the anamorph genera *Heliocephala* and *Holubovaniella*. *Mycologia* 103, 631–640.
- Abdel-Aziz, Faten A, Mohamed A. Abdel-Wahab. 2010 – *Lolia aquatica* gen. et sp. nov. (*Lindgomycetaceae*, *Pleosporales*), a new coelomycete from freshwater habitats in Egypt. *Mycotaxon* 114, 33–42.
- Boonmee S, Zhang Y, Chomnunti P, Chukeatirote E, Tsui CKM, Bahkali AH, Hyde KD. 2011 – Revision of lignicolous *Tubeufiaceae* based on morphological reexamination and phylogenetic analysis. *Fungal Diversity* 51, 63–102.
- Chaverri P, Gazis RO, Samuels GJ. 2011 –

*Trichoderma amazonicum*, a new endophytic species on *Hevea brasiliensis* and *H. guianensis* from the Amazon basin. *Mycologia* 103, 139–151.

- Chaverri P, Salgado C, Hirooka Y, Rossman AY, Samuels GJ. 2011 – Delimitation of *Neonectria* and *Cylindrocarpon* (*Nectriaceae*, *Hypocreales*, *Ascomycota*) and related genera with *Cylindrocarpon*-like anamorphs. *Studies in Mycology* 68, 57–78.
- Chomnunti P, Schoch CL, Aguirre-Hudson B, KoKo TW, Hongsanan S, Jones EBG, Kodsueb R, Phookamsak R, Chukeatirote E, Bahkali AH, Hyde KD. 2011 – *Capnodiaceae*. *Fungal Diversity* 51, 103–134.
- Crous PW, Tanka K, Summerell BA, Groenewald JZ. 2011 – Additions to the *Mycosphaerella* complex. *IMA Fungus* 2, 49–64.
- Grafenhan T, Schroers HJ, Nirenberg HI, Seifert KA. 2011 – An overview of the taxonomy, phylogeny, and typification of nectriaceous fungi in *Cosmospora*, *Acremonium*, *Fusarium*, *Stilbella*, and *Volutella*. *Studies in Mycology* 68, 79–113.
- Hawksworth DL, Crous PW, Redhead SA, Reynolds Wingfeld MJ, et al 2011 – The Amsterdam Declaration on Fungal Nomenclature. *IMA Fungus* 2, 105–112; *Mycotaxon* 116, 491–500.
- Hawksworth DL. 2011 – Naming *Aspergillus* species: progress towards one name for each species. *Medical Mycology* 49(Suppl. 1), S70–S76.
- Horn BW, Moore GG, Carbone I. 2011 – Sexual reproduction in aflatoxin-producing *Aspergillus nomius*. *Mycologia* 103, 174–183.
- Hosagoudar VB, Riju MC. 2011 – *Sarcinella tamarindi* sp. nov. from Kerala, India. *Mycosphere* 2, 157–160.
- Hove VF, Waalwijk C, Logrieco A, Munaut F, Moretti A. 2011 – *Gibberella musae* (*Fusarium musae*) sp. nov., a recently discovered species from banana is sister to *F. verticillioides*. *Mycologia* 103, 570–585.
- Hyde KD, McKenzie EHC, KoKo TW. 2011 Towards incorporating anamorphic

- fungi in a natural classification – checklist and notes for 2010. *Mycosphere* 2, 1–88.
- Jaklitsch WM, Voglmayr H. 2011 – *Nectria eustromatica* sp. nov., an exceptional species with a hypocreaceous stroma. *Mycologia* 103, 209–218.
- Kim S, Harrington TC, Lee JC, Seybold SJ. 2011 – *Leptographium tereforme* sp. nov. and other Ophistomatales isolated from the root-feeding bark beetle *Hylurgus ligniperda* in California. *Mycologia* 103, 152–163.
- Kirk PM, Cannon PF, Minter DW, Stalpers JA. 2008 – Dictionary of the fungi, 10<sup>th</sup> edn. CABI publishing, Wallingford, UK.
- Kolarik M, Freeland E, Utley C, Tisserat N. 2011 – *Geosmithia morbida* sp. nov., a new phytopathogenic species living in symbiosis with the walnut twig beetle (*Pityophthorus juglandis*) on *Juglans* in USA. *Mycologia* 103, 325–332.
- Lumbsch HT, Huhndorf SM. 2010 – Outline of Ascomycota–2009; Notes on ascomycete systematics. Nos. 4751–5113. *Myconet* 14, 1–69.
- Ma J, Wang Y, O'Neill N, Zhang XG. 2011 – A revision of the genus *Lomaanthes*, with the description of a new species. *Mycologia* 103, 407–410.
- Nag Raj TR. 1993. Coelomycetous anamorphs with appendage-bearing conidia. Mycologue Publications, Waterloo, Canada.
- Poldmaa K. 2011 – Tropical species of *Cladobotryum* and *Hypomyces* producing red pigments. *Studies in Mycology* 68, 1–34.
- Quaedvlieg W, Kema GHJ, Groenewald JZ, Verkley GJM, Seifbarghi S, Razavi M, Mirzadi Gohari A, Mehrabi R, Crous PW. 2011 – *Zymoseptoria* gen. nov.: a new genus to accommodate Septoria-like species occurring on graminicolous hosts. *Persoonia* 26, 57–69.
- Reblova M, Seifert KA. 2011a – Discovery of the teleomorph of the hyphomycete, *Sterigmatobotrys macrocarpa*, and epitypification of the genus to holomorphic status. *Studies in Mycology* 68, 193–202.
- Reblova M, Gams W, Seifert KA. 2011b – *Monilochaetes* and allied genera of the *Glomerellales*, and a reconsideration of families in the *Microascales*. *Studies in Mycology* 68, 163–191.
- Rehner SA, Minnis AM, Sung GH, Luangsaard JJ, Devotto L, Humber RA. 2011 – Phylogeny and systematics of the anamorphic, entomopathogenic genus *Beauveria*. *Mycologia* 103, 1055–1073.
- Samuels GJ, Ismaiel A. 2011 – *Hypocrea peltata*: a mycological Dr Jekyll and Mr Hyde?. *Mycologia* 103, 616–630.
- Scauflaire J, Gourgue M, Munaut F. 2011 – *Fusarium temperatum* sp. nov. from maize, an emergent species closely related to *Fusarium subglutinans*. *Mycologia* 103, 586–597.
- Schroers HJ, Grafenhan T, Nirenberg HI, Seifert KA. 2011 – A revision of *Cyanonectria* and *Geejayessia* gen. nov., and related species with *Fusarium*-like anamorphs. *Studies in Mycology* 68, 115–138.
- Seifert KA, Gams W. 2011 The genera of Hyphomycetes – update. *Persoonia* 27, 119–12.
- Seifert K, Morgan-Jones G, Gams W, Kendrick B. 2011 – The Genera of Hyphomycetes CBS-KNAW Fungal Biodiversity Centre Utrecht, The Netherlands.
- Suetrong S, Hyde KD, Zhang Y, Bahkali AH, Jone EBG. 2011 – *Trematosphaeriaceae* fam. nov. (Dothideomycetes, Ascomycota) *Cryptogamie Mycologie* 32, 1–16.
- Summerbell RC, Gueidan C, Schroers HJ, Hoog GSD, Starink M, Rosete YA, Guarro J, Scott JA. 2011 – *Acremonium* phylogenetic overview and revision of *Gliomastix*, *Sarocladium* and *Trichotecium*. *Studies in Mycology* 68, 139–162.
- Sutton BC. 1980 – The Coelomycetes- Fungi imperfecti with Pycnidia, Acervuli and Stromata. Commonwealth Mycological Institute, Kew, UK.
- Tanaka K, Endo M, Hirayama K, Okane I, Hosoya T, Sato T. 2011 – Phylogeny of *Discosia* and *Seimatosporium*, and introduction of *Adisciso* and *Immersidi-*

- scosia* genera nova. *Persoonia* 26, 85–98.
- Taylor JW. 2011 – One Fungus = One Name: DNA and fungal nomenclature twenty years after PCR. *IMA Fungus* 2, 113–120.
- Toth B, Csoz M, Szabo-Hever A, Simmons EG, Samson RA, Varga J. 2011 – *Alternaria hungarica* sp. nov., a minor foliar pathogen of wheat in Hungary. *Mycologia* 103, 94–100.
- Wang Y, Geng Y, Ma J Wang Q, Zhang XG. 2011 – *Sinomyces*: a new genus of anamorphic *Pleosporaceae*. *Fungal Biology* 115, 188–195.
- Wingfield MJ, de Beer ZW, Slippers B, Wingfield BD, Groenewald JZ, Lombard L, Crous PW. 2011 – One fungus one name promotes progressive plant pathology. *Molecular Plant Pathology* : in press
- Wu HX, Schoch CL, Boonmee S, Bahkali AH Chomnunti P, Hyde KD. 2011 – A reappraisal of *Microthyriaceae*. *Fungal Diversity* 51, 189–248.
- Yu ZF Qiao M, Zhang Y Qin L, Zhang KQ. 2011 – *Pseudotriporiconidium*, a new anamorph genus connected to *Orbilia*. *Mycologia* 103, 164–173.
- Zaffarano PL, McDonald BA, Linde CC. 2011 – Two new species of *Rhynchosporium*. *Mycologia* 103, 195–202.
- Zhang Y, Crous PW, Schoch CL, Bahkali AH, Guo LD, Hyde KD 2011a – A molecular, morphological and ecological re-appraisal of Venturiales a new order of Dothideomycetes. *Fungal Diversity* 51, 249–277.
- Zhang Y, Koko TW, Hyde KD. 2011b – Towards a monograph of Dothideomycetes: studies on *Diademaceae* *Cryptogamie Mycologiae* 32, 115–126.