



Notes for genera update – Ascomycota: 6616-6821

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Abstract

Taxonomic knowledge of the Ascomycota, is rapidly changing because of use of molecular data, thus continuous updates of existing taxonomic data with new data is essential. In the current paper, we compile existing data of several genera missing from the recently published “Notes for genera-Ascomycota”. This includes 206 entries.

Key words – Asexual genera – Data bases – Sexual genera – Taxonomy

Introduction

Maintaining updated databases and checklists of genera of fungi is an important and essential task, as it is the base of all taxonomic studies. Outlines of *Ascomycota* and asexual fungi (Lumbsch & Huhndorf 2010, Hyde et al. 2011, Wijayawardene et al. 2012, 2017b, Kirk et al. 2013, Hongsanan et al. 2017, Hyde et al. 2017, Jaklitsch et al. 2016, Ekanayaka et al. 2017, Liu et al. 2017, Lücking et al. 2017), are some of the efforts that have been published to compile all existing data. The recent work by Wijayawardene et al. (2017a) compiled the genera of *Ascomycota* into a single manuscript; *Notes for genera: Ascomycota*. This project was carried out with the involvement of more than 90 mycologists who are experts in different fields of mycology, including lichens.

Most recent taxonomic studies have relied on Kirk et al. (2008, 2013) and Index Fungorum (2018), but these lack the numerous recent nomenclatural and taxonomic changes that have occurred in the publications of Hyde et al. (2013), Wijayawardene et al. (2014), Senanayake et al. (2015), Maharachchikumbura et al. (2015, 2016) and others. Kirk et al. (2013) provided a list of ‘a without-prejudice list of generic names’ based on genera published prior to 2000 and lacked recently resurrected genera.

Thus, in the current paper, we compile notes on the genera missing in Wijayawardene et al. (2017) and provide extra entries. Moreover, corrected entries are provided for *Nephromopsis* Müll. Arg. 1891 and *Cetraria* Ach. 1803.

Materials & Methods

The list of genera was extracted from Kirk et al. (2008, 2013), Index Fungorum (2017) and Wijayawardene et al. (2017a) and cross checked against Lumbsch & Huhndorf (2010), Hyde et al. (2011), Seifert et al. (2011) and Wijayawardene et al. (2012, 2017b, c) for missing genera.

Results

In this section, we provide the entries for genera.

Acarocybella M.B. Ellis 1960, *Ascomycota* genera *incertae sedis*, one species, type: *A. jasminicola* M.B. Ellis, hyphomycetous, saprobes, terrestrial, Africa, Caribbean, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Aegeanispora Jones & Abdel-Wahab 2017, *Pleosporales* genera *incertae sedis*, Dothideomycetes, one species, type: *A. elanii* Jones & Abdel-Wahab, coelomycetous, sexual morph unknown, saprobes, marine, Turkey, see Abdel-Wahab et al. (2017; phylogeny), Wijayawardene et al. (2017b, c; outline), cultures and sequences are available.

Aenigmatospora R.F. Castañeda, Saikawa, Guarro & M. Caldusch 1999, *Ascomycota* genera *incertae sedis*, one species, type: *A. pulchra* R.F. Castañeda, Saikawa, Decock, Guarro & M. Caldusch, ?hyphomycetous, saprobes, terrestrial, Cuba, see Seifert et al. (2011; not confirmed as hyphomycetous), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Allocucurbitaria Valenzuela-Lopez, Stchigel, Guarro & Cano 2017, *Cucurbitariaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *A. botulispora* Valenzuela-Lopez, Stchigel, Guarro & Cano, coelomycetous, from human scab, USA, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Allothyriella Bat., Cif. & Nascim. 1959, *Ascomycota* genera *incertae sedis*, one species, type: *A. marcgraviae* Bat., Cif. & Nascim., coelomycetous, saprobes, terrestrial, Ecuador, Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Alpinaria Jaklitsch & Voglmayr 2017, *Melanommataceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *A. rhododendri* (Niessl) Jaklitsch & Voglmayr, asexual morph unknown, saprobes, terrestrial, Europe, see Jaklitsch & Voglmayr (2017; taxonomy, phylogeny), Wijayawardene et al. (2017b, c; outline), cultures and sequences are available.

Amerosporium Speg. *Ascomycota* genera *incertae sedis*, three species, type: *A. polynematoides* Speg., coelomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Wijayawardene et al. (2016; taxonomy, accepted as *Sclerotiniaceae*), cultures and sequences are unavailable.

Amesia X. Wei Wang, Samson & Crous 2016, *Chaetomiaceae*, *Sordariales*, *Sordariomycetes*, four species, type: *A. atrobrunnea* (L.M. Ames) X. Wei Wang & Samson, asexual morph unknown,

indoor fungus, cosmopolitan, see Wang et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017b, c; outline), sequences are available.

Amphophialis R.F. Castañeda, W.B. Kendr. & Guarro 1998, *Ascomycota* genera *incertae sedis*, one species, type: *A. concinna* R.F. Castañeda, W.B. Kendr. & Guarro, hyphomycetous, saprobes, terrestrial, Caribbean, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Ampullifera Deighton 1960, *Dothideomycetes*, genera *incertae sedis*, one species, type: *A. foliicola* Deighton, hyphomycetous, sexual morph unknown, lichenicolous, terrestrial, North America, see Seifert et al. (2011; treated as a distinct genus), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Ancoraspora Mig. Rodr. (1982) [1981], one species, type: *A. cubensis* Mig. Rodr., one species, coelomycetous, sexual morph unknown, South America, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Ancoraspora J. Mena, Mercado & Heredia 2017, *Ascomycota* genera *incertae sedis*, one species, type: *A. mexicana* J. Mena, Mercado & Heredia, coelomycetous, sexual morph unknown, saprobes, terrestrial, South America, see Index Fungorum (2017; validation), cultures and sequences are unavailable.

Apiosporium Kunze 1817, *Ascomycota* genera *incertae sedis*, one species, type: *A. concinna* R.F. Castañeda, W.B. Kendr. & Guarro, coelomycetous, saprobes, terrestrial, cosmopolitan, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Arcopilus X. Wei Wang, Samson & Crous 2016, *Chaetomiaceae*, *Sordariales*, *Sordariomycetes*, five species, type: *A. aureus* (Chivers) X. Wei Wang & Samson, asexual morph unknown, indoor fungus, cosmopolitan, see Wang et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Ardhachandra Subram. & Sudha 1978, *Ascomycota* genera *incertae sedis*, five species, type: *A. selenoides* (de Hoog) Subram. & Sudha, coelomycetous, saprobes, terrestrial, Africa, Asia, South America, see Mel'nik (2012; new species), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), Rashmi (2014; new records), cultures and sequences are unavailable.

Arthropycnis Constant. 1992, *Ascomycota* genera *incertae sedis*, one species, type: *A. praetermissa* Constant, one species, coelomycetous, sexual morph unknown, worldwide, see Kirk et al. (2008; mentioned *Rhynchostoma* P. Karst. as the sexual morph), Wijayawardene et al. (2012, 2017b; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Ascsubramania Rajendran 1997, *Ascomycota* genera *incertae sedis*, one species, type: *A. melanographoides* Rajendran, asexual morph hyphomycetous, terrestrial, India, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Aspiciliella M. Choisy 1932, *Megasporaceae*, *Pertusariales*, *Lecanoromycetes*, three species type: *A. intermutans* (Nyl.) M.Choisy, lichenized, see Werner (1932, taxonomy), Zakeri et al. (2017; taxonomy, phylogeny), sequences are available

Astelechia Cif. 1962, *Ascomycota* genera *incertae sedis*, two species, type: *A. radians* Cif., coelomycetous, saprobes, terrestrial, Dominican Republic, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Australosphaerella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *A. nootherensis* (Carnegie) Videira & Crous, asexual morph unknown, on living leaves, terrestrial, Australia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Austromelanelixia Divakar, Crespo & Lumbsch 2017, *Parmeliaceae*, *Lecanorales*, *Lecanoromycetes*, five species, type: *A. stracheyi piliferella* (Essl.) Divakar, Crespo & Lumbsch (C. Bab.), lichenized, southern Hemisphere, see Divakar et al. (2017; taxonomy, phylogeny), sequences are available.

Bahugada K.A. Reddy & V. Rao 1984, *Ascomycota* genera *incertae sedis*, one species, type: *B. sundara* K.A. Reddy & V. Rao, hyphomycetous, saprobes, terrestrial, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus not listed), cultures and sequences are unavailable.

Berggrenia Cooke 1879, *Ascomycota*, genera *incertae sedis*, one species, type: *B. aurantiaca* Cooke, asexual morph unknown, terrestrial, New Zealand, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Brencklea Petr. 1923, *Ascomycota* genera *incertae sedis*, one species, type: *B. sisyrinchii* (Ellis & Everh.) Petr., coelomycetous, saprobes, terrestrial, Asia, see Kirk et al. (2008; treated as a synonym of *Scolecosporella*), Wijayawardene et al. (2012, 2016, 2017b, c; outline, taxonomy), Kirk et al. (2013; genus not listed), cultures and sequences are unavailable.

Briansuttonia R.F. Castañeda, Minter & Saikawa 2004, *Ascomycota* genera *incertae sedis*, one species, type: *B. alternarioides* (B. Sutton & Pascoe) R.F. Castañeda, Minter & Saikawa, hyphomycetous, sexual morph unknown, saprobes, terrestrial, Australasia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2014, 2017b, c; outline), cultures and sequences are unavailable.

Brunswicksiella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *B. parsonsi* (Crous & Summerell) Videira & Crous, asexual morph coelomycetous, pathogens, terrestrial, Australia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Bryophytomyces Cif. 1953, *Ascomycota* genera *incertae sedis*, one species, type: *B. sphagni* (Navashin) Cif., hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; notes), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Calcarisporiella de Hoog 1974, *Ascomycota* genera *incertae sedis*, one species, type: *C. thermophila* (H.C. Evans) de Hoog, hyphomycetous, on coral, marine, Europe, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Calocline Syd. 1939, *Ascomycota* genera *incertae sedis*, one species, type: *C. chusqueae* Syd., coelomycetous, saprobes, terrestrial, Ecuador, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Camarosporidiella Wanas., Wijayaw., K.D. Hyde 2017, *Camarosporidiellaceae*, *Pleosporales*, *Dothideomycetes*, 20 species, type: *C. caraganicola* (Phukhams., Bulgakov & K.D. Hyde) Phukhams., Wanas. & K.D. Hyde, coelomycetous, saprobes, terrestrial, cosmopolitan, see Wanasinghe et al. (2017; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Catenophora Luttr. 1940, *Ascomycota* genera *incertae sedis*, three species, type: *C. pruni* Luttr., coelomycetous, saprobes, terrestrial, USA, see Wijayawardene et al. (2012, 2017b, c; outline, Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Catenulaster Bat. & C.A.A. Costa 1959, *Ascomycota* genera *incertae sedis*, three species, type: *C. anacardiicola* Bat. & C.A.A. Costa, coelomycetous, saprobes, terrestrial, Brazil, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Catenulocercospora C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *C. fusimaculans* (G.F. Atk.) C. Nakash., Videira & Crous, coelomycetous, sexual morph unknown, pathogens, terrestrial, Thailand, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Celosporium Tsuneda & M.L. Davey 2010, *Dothideales*, genera *incertae sedis*, *Dothideomycetes*, one species, type: *T. laricicola* Tsuneda & M.L. Davey, hyphomycetous, sexual morph unknown, saprobes, terrestrial, Alberta, see Tsuneda et al. (2010; taxonomy), Thambugala et al. (2014; taxonomy, phylogeny), Wijayawardene et al. (2014, 2017c; outline), holotype of the type: UAMH 11008.

Cercoramularia Videira, H.D. Shin, C. Nakash. & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *C. koreana* Videira, H.D. Shin, C. Nakash. & Crous, hyphomycetous, sexual morph unknown, pathogens, terrestrial, Republic of Korea, see, Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Cercosphaerella Kleb. 1918, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *C. millegrana* (Cooke) Kleb., asexual morph hyphomycetous, pathogens, terrestrial, cosmopolitan, see Videira et al. (2017; reinstated the genus and provisionally placed in *Mycosphaerellaceae* pending further phylogenetic analyses), Wijayawardene et al. (2017c; outline), cultures and sequences are unavailable.

Cetraria Ach. 1803 nom. cons. (= *Allocetraria* Kurok. & M.Y. Lai 1991; = *Cetrariomyces* E.A. Thomas 1939; = *Cetrariella* Kařnefelt & A. Thell, 1993; = *Coelocaulon* Link 1833; = *Geissodea* Vent. 1799; = *Platisma* Hoffm. 1796 [1795]; = *Platyphyllum* Vent. 1799; = *Pseudocornicularia* Gyeln. 1933; = *Squamaria* Hoffm. 1789 [1790] = *Usnocetraria* M.J. Lai & J.C. Wei 2007; = *Vulpicida* J.-E. Mattsson & M.J. Lai 1993; *Allocetraria* Kurok. & M.Y. Lai 1991 *fide* Divakar et al. 2017; *Species Fungorum* 2017), *Parmeliaceae*, *Lecanorales*, *Lecanoromycetes*, 35 species, type: *C. islandica* (L.) Ach., asexual morph unknown, epiphytic or saxicolous, widespread, see Thell et al. (2009; taxonomy), Lumbsch & Huhndorf (2010; outline), Kirk et al. (2013; genus accepted), Miadlikowska et al. (2014; phylogeny), Lücking et al. (2017; classification), Divakar et al. (2017; phylogeny), sequences are available.

Cheiromoniliophora Tzean & J.L. Chen 1990, *Pleosporales* genera *incertae sedis*, *Dothideomycetes*, one species, type: *B. elegans* Tzean & J.L. Chen, hyphomycetous, sexual morph unknown, terrestrial, Asia, South America, see Seifert et al. (2011; morphology), Kirschner et al.

(2013; transferred type species to *Pseudodictyosporium*), Wijayawardene et al. (2014, 2017b, c; outline), cultures and sequences are unavailable.

Cheiromyces Berk. & M.A. Curtis 1857, *Ascomycota* genera *incertae sedis*, three species, type: *C. anacardiicola* Bat. & C.A.A. Costa, hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline, taxonomy), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Chromelosporium Corda 1833, *Pezizaceae*, *Pezizales*, *Pezizomycetes*, c. ten species, type: *C. ochraceum* Corda, hyphomycetous, saprobes, in soil, Europe, North America, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are available.

Chromosporium Corda 1829, *Ascomycota* genera *incertae sedis*, three species, type: *C. anacardiicola* Bat. & C.A.A. Costa, hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Chryseidea Onofri 1981, *Ascomycota* genera *incertae sedis*, one species, type: *C. africana* Onofri, hyphomycetous, saprobes, terrestrial, Africa, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Chuppomyces Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *C. handelii* (Bubák) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, sexual morph unknown, pathogens, terrestrial, Netherlands, Turkey, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Ciferrioxylum Bat. & H. Maia 1963, *Ascomycota* genera *incertae sedis*, one species, type: *C. giganteum* Bat. & H. Maia, hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Clarohilum Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *C. henningsii* (Allesch.) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, Laos, Tanzania, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Clavariopsis De Wild. 1895, *Dothideomycetes*, genera *incertae sedis*, one species, type: *C. aquatica* De Wild., hyphomycetous, sexual morph unknown, on leaves, in water, terrestrial/aquatic, cosmopolitan, see Seifert et al. (2011; treated as a distinct genus), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Collariella X. Wei Wang, Samson & Crous 2016, *Chaetomiaceae*, *Sordariales*, *Sordariomycetes*, five species, type: *C. bostrychodes* (Zopf) X. Wei Wang & Samson, asexual morph unknown, indoor fungus, cosmopolitan, see Wang et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Collarispora Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *C. valgourgensis* (Crous) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, France, USA, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Coremiopassalora U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *C. eucalypti* (Crous & Alfenas) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, Brazil, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Corinectria González & P. Chaverri 2017, *Nectriaceae*, *Hypocreales*, *Sordariomycetes*, three species, type: *C. fuckeliana* (C. Booth) C. González & P. Chaverri, asexual morph hyphomycetous, saprobes, aquatic, cosmopolitan, see González & Chaverri (2017; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Cubonia Sacc. 1889, *Ascobolaceae*, *Pezizales*, *Pezizomycetes*, three species, type: *C. brachyasca* (Marchal) Sacc., saprobes, cosmopolitan, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Cumuliphoma Valenzuela-Lopez, Stchigel, Crous, Guarro & Cano 2017, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, three species, type: *C. omnivirens* (Aveskamp et al.) Valenzuela-Lopez, Stchigel, Crous, Guarro & Cano, coelomycetous, saprobes or pathogens, cosmopolitan, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Curviclavula G. Delgado, A.N. Mill. & F.A. Fernández 2015, *Hyaloscyphaceae*, *Helotiales*, *Leotiomycetes*, one species, type: *C. anemophila* G. Delgado, A.N. Mill. & F.A. Fernández, hyphomycetous, from air particles, USA, see Delgado et al. (2015; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Dactuliophora C.L. Leakey 1964, *Dothideomycetes*, genera *incertae sedis*, five species, type: *C. tarrii* C.L. Leakey, hyphomycetous, sexual morph unknown, on leaves, in water, terrestrial/aquatic, cosmopolitan, see Seifert et al. (2011; treated as a distinct genus), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Deightonomyces Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *D. perplexa* (Beilharz et al.) Videira & Crous, hyphomycetous, pathogens, terrestrial, Indonesia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Dendrographiella Agnihotr. 1972, *Ascomycota* genera *incertae sedis*, one species, type: *D. podosporioides* Agnihotr., hyphomycetous, saprobes, terrestrial, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Dendrographium Masee 1892, *Ascomycota* genera *incertae sedis*, five species, type: *D. atrum* Masee, hyphomycetous, saprobes, terrestrial, Pantropical, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Dendroseptoria Alcalde 1948, *Stictidaceae*, *Ostropales*, *Lecanoromycetes*, three species, type: *D. arrhenatheri* Alcalde, saprobes, Europe, see Koukol et al. (2017; DNA), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Devonomyces Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *D. endophyticus* (Crous & H. Sm. Ter) Videira & Crous, asexual morph

hyphomycetous, pathogens, terrestrial, Australia, South Africa, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Dichotomopilus X. Wei Wang, Samson & Crous 2016, *Chaetomiaceae*, *Sordariales*, *Sordariomycetes*, seven species, type: *D. indicus* (Corda) X. Wei Wang & Samson, asexual morph unknown, indoor fungus, cosmopolitan, see Wang et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Didymopsis Sacc. & Marchal 1885, *Ascomycota* genera *incertae sedis*, three species, type: *D. perexigua* Sacc. & Marchal, hyphomycetous, saprobes, terrestrial, Europe, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Distocercosporaster Videira, H.D. Shin, C. Nakash. & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *D. dioscoreae* (Ellis & G. Martin) Videira, H.D. Shin, C. Nakash. & Crous, hyphomycetous, pathogens, terrestrial, Republic of Korea, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Distomycovellosiella U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *D. brachycarpa* (Syd.) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, cosmopolitan, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Ditangifibula G.C. Adams 1995, *Ascomycota* genera *incertae sedis*, one species, type: *D. dikaryotae* G.C. Adams, hyphomycetous, saprobes, terrestrial, North America, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Dokmaia Promp. 2003, *Pleosporineae* genera *incertae sedis*, *Dothideomycetes*, one species, type: *D. monthadangi* Promp., hyphomycetous, sexual morph unknown, terrestrial, Asia, see Seifert et al. (2011; morphology), Luo et al. (2014a; DNA), Wijayawardene et al. (2014, 2017c; outline), cultures and sequences are available.

Drepanospora Berk. & M.A. Curtis 1875, *Ascomycota* genera *incertae sedis*, two species, type: *D. pannosa* Berk. & M.A. Curtis, hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Ectophoma Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel 2017, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *E. multirostrata* (P.N. Mathur et al.) Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel., coelomycetous, saprobes or pathogens, India, The Netherlands, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Elegantimyces Goh, K.M. Tsui & K.D. Hyde 1998, *Ascomycota* genera *incertae sedis*, one species, type: *E. sporidesmiopsis* Goh, K.M. Tsui & K.D. Hyde, hyphomycetous, saprobes, aquatic, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Endosporium Tsuneda 2008, *Dothideomycetes*, genera *incertae sedis*, five species, type: *E. populi-tremuloides* Tsuneda, hyphomycetous, sexual morph unknown, on bird skin and trees, terrestrial,

North America, see Tsuneda et al. (2008; treated as *Myriangiales*), Seifert et al. (2011; morphology, treated as *Myriangiales*), Wijayawardene et al. (2014, 2017c; outline, treated as *Dothideomycetes*), cultures and sequences are available.

Entalbostroma J.D. Rogers & P.R. Johnst. 2016, *Xylariaceae*, *Xylariales*, *Sordariomycetes*, two species, type: *E. erumpens* J.D. Rogers & P.R. Johnst., asexual morph hyphomycetous, indoor fungus, New Zealand, see Johnston et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Entosordaria (Sacc.) Höhn. 1920, *Barrmaeliaceae*, *Xylariales*, *Sordariomycetes*, two species, type: *E. perfidiosa* (De Not.) Höhn., asexual morph hyphomycetous, saprobes, New Zealand, see Voglmayr et al. (2017; resurrected the genus, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Exopassalora Videira & Crous 2017, *Phaeothecoidiellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *E. zambiae* (Crous & T.A. Cout.) Videira & Crous, hyphomycetous, pathogens, terrestrial, Indonesia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Exutisphaerella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *E. laricina* Videira & Crous, asexual morph coelomycetous, pathogens, terrestrial, Switzerland, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Falciphoriella Hern.-Restr. & Crous 2016, *Magnaporthaceae*, *Magnaporthales*, *Sordariomycetes*, one species, type: *F. solaniterrestris* Hern.-Restr. & Crous, hyphomycetous, saprobes, Netherlands, see Hernández-Restrepo et al. et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Foliophoma Crous 2017, *Coniothyriaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *F. fallens* (Saccardo) Crous, coelomycetous, plant pathogen, Italy, New Zealand, see Crous & Groenewald (2017; taxonomy and phylogeny), Papizadeh et al. (2017; phylogeny), Wanasinghe et al. (2017; classification), cultures and sequences are available.

Fusculina Crous & Summerell 2006, *Pleosporales*, genera *incertae sedis*, *Dothideomycetes*, one species, type: *F. eucalypti* Crous & Summerell, coelomycetous, sexual morph unknown, pathogens, terrestrial, Australia, see Wijayawardene et al. (2014, 2017c; outline), holotype and ex-type of the type: CBS H-19747, CPC 12946.

Fusicladosporium Partr. & Morgan-Jones 2003, *Ascomycota* genera *incertae sedis*, three species, type: *F. carpophilum* (Thüm.) Partr. & Morgan-Jones., hyphomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Kirk et al. (2008; treated as a synonym of *Fusicladium* Bonord.), Seifert et al. (2011; treated as a distinct genus), Wijayawardene et al. (2017b, c; outline, treated as in *Venturiaceae*), cultures and sequences are unavailable thus we treat as *Ascomycota incertae sedis*.

Gaeumannomycella Hern.-Restr. & Crous 2016, *Magnaporthaceae*, *Magnaporthales*, *Sordariomycetes*, one species, type: *G. caricis* Hern.-Restr. & Crous, hyphomycetous, saprobes, UK, see Hernández-Restrepo et al. et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Gallaicolichen Sérus. & Lücking 2007, *Ascomycota*, genera *incertae sedis*, one species, type: *G. pacificus* Sérus. & Lücking, asexual morph unknown, foliicolous lichen, terrestrial, Hawaiian Island, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Geneosperma Rifai 1968, *Pyronemataceae*, *Pezizales*, *Pezizomycetes*, two species, type: *G. geneosporum* Rifai, saprobes, cosmopolitan, see Lumbsch & Huhndorf (2010; outline), Jaklitsch et al. (2016; classification), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Glischroderma Fuckel 1870, *Pezizaceae*, *Pezizales*, *Pezizomycetes*, c. ten species, type: *C. cinctum* Fuckel, coelomycetous, saprobes, Europe, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are available.

Gloeocoryneum Weindlm. 1964, *Ascomycota* genera *incertae sedis*, three species, type: *G. cinereum* (Dearn.) Weindlm., coelomycetous, saprobes, terrestrial, cosmopolitan, see Kirk et al. (2008; treated as a synonym of *Leptomelanconium*), Wijayawardene et al. (2012, 2016, 2017b, c; outline, taxonomy), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Gloeodes Colby 1920, *Ascomycota* genera *incertae sedis*, one species, type: *G. pomigena* (Schwein.) Colby, coelomycetous, saprobes, pathogens, terrestrial, cosmopolitan, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Goidanichiella G.L. Barron ex W. Gams 2009, *Ascomycota* genera *incertae sedis*, one species, type: *G. barronii* W. Gams, Steiman & Seigle-Mur., coelomycetous, saprobes, terrestrial, cosmopolitan, see Gams et al. (2009; new species), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are available.

Graminopassalora U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *G. graminis* (Fuckel) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, cosmopolitan, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Hawksworthiomyces Z.W. de Beer, Marinc. & M.J. Wingf. 2016, *Ophiostomataceae*, *Magnaporthales*, *Sordariomycetes*, five species, type: *H. lignivorus* (De Mey., Z.W. de Beer & M.J. Wingf.) Z.W. de Beer, Marinc. & M.J. Wingf., hyphomycetous, saprobes, South Africa, see de Beer et al. (2016a, b; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Helicominopsis Deighton 1960, *Ascomycota* genera *incertae sedis*, one species, type: *H. fici* Deighton, hyphomycetous, saprobes, terrestrial, Africa, see Seifert et al. (2011; morphology, treated as a distinct genus), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Himantia Pers. 1801, *Ascomycota* genera *incertae sedis*, one species, type: *H. candida* (Huds.) Pers., sterile, saprobes, terrestrial, Europe, see Kirk et al. (2008; genus accepted), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Hyalocercosporidium Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *H. desmodii* Videira & Crous, hyphomycetous, pathogens, terrestrial, Brazil, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Hyalopyrenia H. Harada 1996, *Ascomycota genera incertae sedis*, six species, type: *H. japonica* H. Harada, asexual morph unknown, saprobes, terrestrial, Asia, see Lumbsch & Huhndorf (2009; outline), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are unavailable.

Hyalozasmidium U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae, Capnodiales, Dothideomycetes*, two species, type: *H. arohyalinospurum* (Crous & Summerell) Videira & Crous, hyphomycetous, pathogens or saprobes, terrestrial, South Africa, Australia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Hymenobactron (Sacc.) Höhn. 1916, *Ascomycota genera incertae sedis*, one species, type: *H. candida* (Huds.) Pers., hyphomycetous, saprobes, terrestrial, Europe, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Hyphozyma de Hoog & M.T. Sm. 1981, *Ascomycota genera incertae sedis*, six species, type: *H. variabilis* de Hoog & M.T. Sm., hyphomycetous, saprobes, terrestrial, aquatic, cosmopolitan, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are available.

Impudentia Vujan. 2003, *Ascomycota genera incertae sedis*, two species, type: *I. crioceris* Vujan., hyphomycetous, on insects, terrestrial, aquatic, cosmopolitan, see Seifert et al. (2011; not listed), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Juxtiphoma Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel 2017, *Didymellaceae, Pleosporales, Dothideomycetes*, one species, type: *J. eupyrena* (Sacc.) Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel, coelomycetous, saprobes or pathogens, Germany, The Netherlands, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Kalbionora Sodamuk, S.D. Leav. & Lumbsch 2017, *Malmideaceae, Lecanorales, Lecanoromycetes*, one species, type: *K. palaeotropica* Sodamuk, Leavitt & Lumbsch, lichenized, terrestrial, Southeast Asia and Australia, see Sodamuk et al. (2017; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Kamatia V.G. Rao & Subhedar 1976, *Ascomycota genera incertae sedis*, one species, type: *K. indica* V.G. Rao & Subhedar, hyphomycetous, saprobes, terrestrial, Asia, see Kirk et al. (2008; treated as a synonym of *Pseudodictyosporium* Matsush.), Seifert et al. (2011; treated as a distinct genus), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Kendrickiella K. Jacobs & M.J. Wingf. 2001, *Ascomycota genera incertae sedis*, one species, type: *K. phycomyces* (Auersw.) K. Jacobs & M.J. Wingf., hyphomycetous, saprobes, on fungi, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology), Kiyuna et al. (2012; DNA), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Kutilakesa Subram. 1956, *Ascomycota genera incertae sedis*, two species, type: *K. madreeya* Subram., hyphomycetous, saprobes, terrestrial, cosmopolitan, see Kirk et al. (2008; treated as a synonym of *Sarcopodium* Ehrenb.), Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Lagenomyces Cavalc. & A.A. Silva 1972, *Ascomycota genera incertae sedis*, two species, type: *K. marginalis* Cavalc. & A.A. Silva, coelomycetous, saprobes, terrestrial, cosmopolitan, see

Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Lepra Scop. 1777, *Pertusariales* genera *incertae sedis*, *Lecanoromycetes*, 72 species, type: *Lichen albescens* Huds., lichenized, see Wei et al. (2017; resurrected genus), Wijayawardene et al. (2017c; outline), sequences are available.

Lichenodiplisiella S.Y. Kondr. & Kudratov 2002, *Ascomycota* genera *incertae sedis*, one species, type: *L. makarevichiae* S.Y. Kondr. & Kudratov, coelomycetous, saprobes, terrestrial, Tadjikistan, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Luxuriomyces R.F. Castañeda 1988, *Ascomycota* genera *incertae sedis*, one species, type: *L. grandis* R.F. Castañeda, hyphomycetous, saprobes, terrestrial, Caribbean, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Macrotrichum Grev. 1825, *Ascomycota* genera *incertae sedis*, two species, type: data inadequate, hyphomycetous, saprobes, terrestrial, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Madagascaromyces U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *M. intermedius* (Crous & M.J. Wingf.) Videira & Crous, hyphomycetous, pathogens or saprobes, terrestrial, Madagascar, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Malvinia Döbbeler 2003, *Ostropales*, genera *incertae sedis*, *Lecanoromycetes*, one species, type: *M. endoderma* Döbbeler, saprobes?, Falkland Island, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are available.

Manginella Bat. & H. Maia 1961, *Ascomycota* genera *incertae sedis*, three species, type: *M. annonae* Bat. & H. Maia, coelomycetous, saprobes, terrestrial, Brazil, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Margarinomyces Laxa 1930, *Ascomycota* genera *incertae sedis*, one species, type: *M. bubakii* Laxa, hyphomycetous, saprobes, on human, terrestrial, Brazil, see Seifert et al. (2011; genus accepted, morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Maronina Hafellner & R.W. Rogers 1990, *Parmeliaceae*, *Lecanorales*, *Lecanoromycetes*, 10 species, type: *M. australiensis* Hafellner & R.W. Rogers, lichenized, see Hafellner & Rogers (1990; taxonomy), Papong et al. (2011; taxonomy, phylogeny), Divakar et al. (2017; taxonomy, phylogeny), sequences are available.

Medicopsis Gruyter, Verkley & Crous 2012, *Trematosphaeriaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *M. romeroi* (Borelli) Gruyter, Verkley & Crous, coelomycetous, sexual morph unknown, pathogens, terrestrial, cosmopolitan, see de Gruyter et al. (2012; taxonomy, phylogeny), Wijayawardene et al. (2014, 2017b, c; outline), ex-type of the type: CBS 252.60.

Micronematomyces U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *M. caribensis* (Crous & Den Breeÿen) U. Braun,

C. Nakash., Videira & Crous, hyphomycetous, pathogens or saprobes, terrestrial, Cuba, Jamaica, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Monochaetopsis Pat. 1931, *Ascomycota* genera *incertae sedis*, one species, type: *M. antirrhini* Pat., coelomycetous, saprobes, terrestrial, North Africa, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Mucosetospora M. Morelet 1972, *Ascomycota* genera *incertae sedis*, one species, type: *M. gallica* (M. Morelet) M. Morelet, coelomycetous, saprobes, terrestrial, France, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Mycocentrodochium K. Matsush. & Matsush. 1996, *Ascomycota* genera *incertae sedis*, one species, type: *M. gallica* (M. Morelet) M. Morelet, hyphomycetous, saprobes, terrestrial, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Mycosisymbrium Carris 1994, *Sympoventuriaceae*, *Venturiales*, *Dothideomycetes*, one species, type: *M. cirrhosum* Carris, hyphomycetous, sexual morph unknown, saprobes, terrestrial, North America, see Kirk et al. (2008; treated as a synonym of *Scolecobasidiella* M.B. Ellis.), Seifert et al. (2011; treated as a distinct genus), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Necraphidium Cif. 1951, *Ascomycota* genera *incertae sedis*, one species, type: *N. zoophilum* (Sacc. & Trotter) Cif., hyphomycetous, on larvae of *Callipterus*, terrestrial, Italy, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Neocercosporidium Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *N. smilacis* (Thüm.) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens or saprobes, terrestrial, Cuba, Jamaica, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Neomarssoniella U. Braun 1991, *Ascomycota* genera *incertae sedis*, one species, type: *N. juglandis* (Lib.) U. Braun, coelomycetous, saprobes, terrestrial, Europe, N. America, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Neophloeospora U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *N. maculans* (Bérenger) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, New Zealand, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Neopyrenochaeta Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano 2017, *Neopyrenochaetaceae*, *Pleosporales*, *Dothideomycetes*, four species, type: *N. acicola* (Moug. & Lév) Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano, coelomycetous, saprobes, The Netherlands, South Africa, India, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Neopyrenochaetopsis Valenzuela-Lopez, Cano, Guarro & Stchigel 2017, *Pyrenochaetopsidaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *N. hominis* Valenzuela-Lopez, Cano, Guarro &

Stchigel, coelomycetous, from human skin tissue, USA, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Nephromopsis Müll. Arg. 1891 (= *Ahtiana* Goward 1986; = *Arctocetraria* Kařnefelt & Thell 1993; = *Cetrariopsis* Kurok. 1980; = *Cetreliaopsis* M.J. Lai. 1980; = *Flavocetraria* Kařnefelt & A. Thell 1994; = *Flavocetrariella* D.D. Awasthi 2007; = *Kaernefeltia* Thell & Goward 1996; = *Masonhalea* Kařnefelt 1977; = *Tuckermanella* Essl. 2003; = *Tuckermanopsis* Gyeln. 1933 *vide* Divakar et al. 2017, Lücking et al. 2017), *Parmeliaceae*, *Lecanorales*, *Lecanoromycetes*, 62 species, type: *N. stracheyi* (C. Bab.) Müll. Arg., asexual morph unknown, lichenized, terrestrial, Argentina, see Thell et al. (2009; DNA, phylogeny), Lumbsch & Huhndorf (2010; outline), Kirk et al. (2013; genus accepted), Randlane et al. (2013; new species), Lücking et al. (2017; classification), Divakar et al. (2017; phylogeny), sequences are available.

Nothopassalora U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *N. maculans* (Bérenger) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, Australia, USA, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Nothopericoniella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *N. perseae-macranthae* (Hosag. & U. Braun) Videira & Crous, hyphomycetous, pathogens, terrestrial, India, Taiwan, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Nothophaeocryptopus Videira, C. Nakash. & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *N. gaeumannii* (T. Rohde) Videira, C. Nakash., U. Braun & Crous, hyphomycetous, pathogens, terrestrial, Austria, Germany, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Odontura Clem. 1909, *Odontotremataceae*, *Ostropales*, *Lecanoromycetes*, c. 20 species, type: *O. raphidospora* (Rehm) Clem., asexual morph unknown, saprobes?, terrestrial, Europe, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are available.

Ovatospora X. Wei Wang, Samson & Crous 2016, *Chaetomiaceae*, *Sordariales*, *Sordariomycetes*, two species, type: *O. brasiliensis* (Batista & Pontual) X. Wei Wang & Samson, asexual morph unknown, indoor fungus, cosmopolitan, see Wang et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), sequences are available.

Pachyramichloridium Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *P. pini* (de Hoog & Rahman) C. Nakash., Videira & Crous, hyphomycetous, pathogens or saprobes, terrestrial, UK, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Palawaniopsis Bat., Cif. & Nascim. 1959, *Ascomycota* genera *incertae sedis*, one species, type: *N. dovyalidis* Bat., Cif. & Nascim., coelomycetous, saprobes, terrestrial, Europe, N. America, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Paracercosporidium Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *P. microsorum* (Sacc.) U. Braun, C. Nakash., Videira & Crous, hyphomycetous,

pathogens, terrestrial, cosmopolitan, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Paracucurbitaria Valenzuela-Lopez, Stchigel, Guarro & Cano 2017, *Cucurbitariaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *P. corni* (Bat. & A.F. Vital) Valenzuela-Lopez, Stchigel, Guarro & Cano., coelomycetous, saprobes or pathogens, The Netherlands, Italy, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Paraepicoccum Matsush. 1993, *Pleosporales*, genera *incertae sedis*, *Dothideomycetes*, one species, type: *P. amazonense* Matsush., hyphomycetous, sexual morph unknown, saprobes, terrestrial, South America, see Seifert et al. (2011; morphology), Thambugala et al. (2017; phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Parafabraea Chen, Verkley & Crous 2016, *Dermateaceae*, *Helotiales*, *Leotiomyces*, two species, type: *P. eucalypti* (Cheew. & Crous) Chen, Verkley & Crous, asexual morph coelomycetous, cosmopolitan, see Chen et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Paramassariosphaeria Wanas., E.B.G. Jones & K.D. Hyde 2016, *Didymosphaeriaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *P. clematidicola* Wanas., Camporesi, E.B.G. Jones & K.D. Hyde, asexual morph unknown, saprobes, terrestrial, Italy, see Wanasinghe et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Paramycovellosiella Videira, H.D. Shin & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *P. passaloroides* (G. Winter) Videira, H.D. Shin & Crous, hyphomycetous, pathogens, terrestrial, Republic of Korea, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Parapallidocercospora Videira, Crous, U. Braun, C. Nakash. 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *P. colombiensis* (Crous & M.J. Wingf.) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, Colombia, Thailand, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Parapyrenochaeta Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano 2017, *Pyrenochaetopsidaceae*, *Pleosporales*, *Dothideomycetes*, three species, type: *P. protearum* (Crous) Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano, coelomycetous, saprobes, France, South Africa, Australia, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Pazschkeella Syd. & P. Syd. 1901, *Ascomycota* genera *incertae sedis*, two species, type: *P. brasiliensis* Syd. & P. Syd., coelomycetous, sexual morph unknown, saprobes, terrestrial, Brazil, Philippines, see Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are unavailable thus we treat as *Ascomycota incertae sedis*.

Phaeomycocentrospora Crous, H.D. Shin & U. Braun 2012, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *P. cantuariensis* (E.S. Salmon & Wormald) Crous, H.D. Shin & U. Braun, hyphomycetous, sexual morph unknown, pathogens, terrestrial, cosmopolitan, see Crous et al. (2012; taxonomy, phylogeny), Trakunyingcharoen et al. (2014; phylogeny), Wijayawardene et al. (2014, 2017c; outline), cultures and sequences are available.

Phaeophomopsis Höhn. 1917, *Ascomycota* genera *incertae sedis*, one species, type: *P. hederiae* (Desm.) Höhn., coelomycetous, saprobes, terrestrial, France, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Phruensis Pinruan 2004, *Tirisporellaceae*, *Tirisporellales*, *Sordariomycetes*, one species, type: *P. brunneispora* Pinruan, asexual morph hyphomycetous, aquatic, saprobes, Thailand, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are available.

Plectopycnis Bat. & A.F. Vital 1959, *Ascomycota* genera *incertae sedis*, one species, type: *P. coccolobae* Bat. & A.F. Vital, coelomycetous, sexual morph unknown, saprobes, terrestrial, neotropics, see Kirk et al. (2013; not listed), Wijayawardene et al. (2017; outline, treated as in *Dothideomycetes*), cultures and sequences are unavailable thus we treat as *Ascomycota incertae sedis*.

Pleopassalora Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *D. daleae* (Ellis & Kellerm.) Videira & Crous, hyphomycetous, pathogens, terrestrial, Mexico, USA, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pleuropassalora U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *P. armatae* (Crous & A.R. Wood) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, Switzerland, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pluripassalora Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *P. bougainvilleae* (Munt.-Cvetk.) U. Braun, C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, Australia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Potamomyces K.D. Hyde 1995, *Ascomycota* genera *incertae sedis*, ten species, type: *P. armatisporus* K.D. Hyde, asexual morph unknown, saprobes, terrestrial, cosmopolitan, see Lumbsch & Huhndorf (2009; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Praetumpfia Jaklitsch & Voglmayr 2017, *Melanommataceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *P. obducens* (Schumach.) Jaklitsch & Voglmayr, asexual morph coelomycetous, saprobes, terrestrial, Europe, see Jaklitsch & Voglmayr (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Prathoda Subram. 1956, *Ascomycota* genera *incertae sedis*, two species, type: *P. saparva* Subram., hyphomycetous, sexual morph unknown, saprobes, terrestrial, Africa, Asia, see Kirk et al. (2013; not listed), Wijayawardene et al. (2017c; outline), cultures and sequences are unavailable thus we treat as *Ascomycota incertae sedis*.

Propoliopsis Rehm 1914, *Stictidaceae*, *Ostropales*, *Lecanoromycetes*, one species, type: *P. arengae* Rehm, asexual morph unknown, saprobes?, terrestrial, Asia, North America, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are available.

Pseudotricharina Van Vooren, S. Tello & M. Vega 2015, *Pyronemataceae*, *Pezizales*, *Pezizomycetes*, two species, type: *P. intermedia* Van Vooren, S. Tello & M. Vega, asexual morph unknown, saprobes, terrestrial, Europe, see Van Vooren et al. (2015, 2017; taxonomy, new species), Wijayawardene et al. (2017c; outline), sequences are available.

Pseudeurotium J.F.H. Beyma 1937 (= *Teberdinia* Sogonov, W. Gams, Summerb. & Schroers 2005 *vide* Rossman et al. 2016), *Pseudeurotiaceae*, *Ascomycota* families *incertae sedis*, seven species, type: *P. zonatum* J.F.H. Beyma, asexual morph is formerly known in *Teberdinia*, cosmopolitan, see Seifert et al. (2011; asexual morph), Rossman et al. (2016; nomenclature), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudochaetosphaeronema Punith. 1979, *Pleosporales*, genera *incertae sedis*, *Dothideomycetes*, two species, type: *P. larense* (Borelli & R. Zamora) Punith., coelomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Kirk et al. (2013; genus accepted), Zhang et al. (2016; new species), Wijayawardene et al. (2017c; outline), cultures and sequences are available

Pseudofabraea Chen, Verkley & Crous 2016, *Dermateaceae*, *Helotiales*, *Leotiomycetes*, one species, type: *P. citricarpa* (L. Zhu, K.D. Hyde & H.Y. Li) Chen, Verkley & Crous, coelomycetous, cosmopolitan, see Chen et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudopericoniella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *P. levispora* (Arzanlou et al.) Videira & Crous, hyphomycetous, pathogens, terrestrial, Sri Lanka, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudophaeophleospora C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, two species, type: *P. stonei* (Crous) C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, Australia, New Zealand, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudophialophora J. Luo & N. Zhang 2014, *Magnaporthaceae*, *Magnaporthales*, *Sordariomycetes*, eight species, type: *P. eragrostis* J. Luo & N. Zhang, hyphomycetous, saprobes, cosmopolitan, see Luo et al. (2014b, 2015a, b; taxonomy, phylogeny, new species), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudopyrenochaeta Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano 2017, *Pseudopyrenochaetaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *P. lycopersici* (R.W. Schneid. & Gerlach) Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano, coelomycetous, from soil, saprobes, Germany, The Netherlands, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pseudozasmidium Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, four species, type: *P. parkii* (Crous & Alfenas) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, Australia, Brazil, Vietnam, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Pullospora Faurel & Schotter 1965, *Ascomycota* genera *incertae sedis*, one species, type: *P. tetrachaeta* Faurel & Schotter, coelomycetous, coprophilous, terrestrial, France, see Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Ragnhildiana Solheim 1931, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, six species, type: *P. agerati* (F. Stevens) F. Stevens & Solheim, hyphomycetous, pathogens, terrestrial, cosmopolitan, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Ravenelula Sp. 1881, *Lecanoromycetes* genera *incertae sedis*, one species, type: *R. gainesvillensis* Sp., saprobes?, America, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Remotididymella Valenzuela-Lopez, Crous, Cano, Guarro & Stchigel 2017, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *R. destructiva* (Plowr.) Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel., coelomycetous, saprobes or pathogens, Guadeloupe, USA, The Netherlands, Tonga, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Rhachisphaerella U. Braun, C. Nakash., Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *R. mozambica* (Arzanlou & Crous) Videira & Crous, asexual morph hyphomycetous, pathogens, terrestrial, Mozambique, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Rhynchomyces Willk. 1866, *Ascomycota* genera *incertae sedis*, one species, type: *R. violaceus* Willk., hyphomycetous, saprobes, terrestrial, see Seifert et al. (2011; notes), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Rickiella Syd. & P. Syd. ex Rick 1904, *Sarcoscyphaceae*, *Pezizales*, *Pezizomycetes*, two species, *R. transiens* Syd. & P. Syd. ex Rick, saprobes, cosmopolitan, see Kirk et al. (2008; treated as a synonym of *Phillipsia* Berk.), Lumbsch & Huhndorf (2010; outline), Jaklitsch et al. (2016; classification), Wijayawardene et al. (2017c; outline), sequences are available.

Riclaretia Peyronel 1915, *Ascomycota* genera *incertae sedis*, one species, type: *R. urticae* Peyronel, hyphomycetous, saprobes, terrestrial, see Seifert et al. (2011; notes, doubtful), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Rupestriomyces Lei Su, Li Y. Guo & Xing Z. Liu 2015, *Dothideomycetes*, genera *incertae sedis*, five species, type: *R. ampulliformis* Lei Su, Li Y. Guo & Xing Z. Liu, hyphomycetous, sexual morph unknown, rock-inhabiting, terrestrial, China, see Su et al. (2015; taxonomy), taxonomy, Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Sanjuanomyces R.F. Castañeda & W.B. Kendr. 1991, *Ascomycota* genera *incertae sedis*, one species, type: *S. elegans* R.F. Castañeda & W.B. Kendr., hyphomycetous, on leaves, terrestrial, Caribbean, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; genus accepted), cultures and sequences are unavailable.

Sarophorum Syd. & P. Syd. 1917, *Ascomycota* genera *incertae sedis*, one species, type: *S. ledermannii* Syd. & P. Syd., hyphomycetous, on seeds, in soil, terrestrial, Pantropical, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Scleroramularia Batzer & Crous 2011, *Pleosporales*, genera *incertae sedis*, *Dothideomycetes*, two species, type: *S. pomigena* Batzer & Crous, hyphomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Li et al. (2011; taxonomy), Gao et al. (2015; new species), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Semipseudocercospora J.M. Yen 1983, *Ascomycota* genera *incertae sedis*, two species, type: *S. peristrophes-acuminatae* (J.M. Yen) J.M. Yen, hyphomycetous, on leaves, terrestrial, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Siamia V. Robert, Decock & R.F. Castañeda 2000, *Ascomycota* genera *incertae sedis*, one species, type: *S. luxuriosa* V. Robert, Decock & R.F. Castañeda, hyphomycetous, saprobes, terrestrial, Asia, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Similiphoma Valenzuela-Lopez, Crous, Cano, Guarro & Stchigel 2017, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *S. crystallifera* (de Gruyter et al.) Valenzuela-Lopez, Crous, Cano, Guarro & Stchigel, coelomycetous, saprobes or pathogens, Austria, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Simmonsella J.L. Crane & A.N. Mill. 2016, *Ascomycota* genera *incertae sedis*, one species, type: *S. ndjilensis* (É. Kiffer) J.L. Crane & A.N. Mill., hyphomycetous, saprobes, terrestrial, Zaire, see Crane & Miller (2016; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are unavailable.

Sirodesmium De Not. 1849, *Pleosporales*, genera *incertae sedis*, *Dothideomycetes*, two species, type: *S. granulosum* Sacc., coelomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Kirk et al. (2008; treated as a synonym of *Coniosporium* Link), Ruibal et al. (2009; phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Sphaeridium Fresen. 1852, *Ascomycota* genera *incertae sedis*, c. 18 species, type: *S. vitellinum* Fresen., hyphomycetous, saprobes, terrestrial, Europe, North America, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Sphaeropezia Sacc. 1884, *Odontotremataceae*, *Ostropales*, *Lecanoromycetes*, c. 20 species, type: *S. alpina* Sacc., asexual morph unknown, lichenized, terrestrial, cosmopolitan, see Baloch et al. (2013; resurrected the genus), Wijayawardene et al. (2017c; outline), sequences are available.

Spicularia Pers. 1822, *Ascomycota* genera *incertae sedis*, one species, type: *S. simplex* (Pers.) Pers., hyphomycetous, saprobes, terrestrial, Europe, America, see Seifert et al. (2011; not accepted), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are unavailable.

Spissiomyces Lei Su, Li Y. Guo & Xing Z. Liu 2015, *Dothideomycetes*, genera *incertae sedis*, five species, type: *S. aggregatus* Lei Su, Li Y. Guo & Xing Z. Liu, hyphomycetous, sexual morph unknown, rock-inhabiting, terrestrial, China, see Su et al. (2015; taxonomy), taxonomy, Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Sporendonema Desm. 1827, *Onygenaceae*, *Onygenales*, *Eurotiomycetes*, two species, type: *S. casei* Desm., hyphomycetous, sexual morph unknown, on cheese and fungi, terrestrial, Europe, North America, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are available.

Stenellopsis B. Huguenin 1966, *Ascomycota* genera *incertae sedis*, five species, type: *S. fagraeae* B. Huguenin, hyphomycetous, saprobes, terrestrial, Asia, Australasia, see Seifert et al. (2011; not

listed), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are available.

Stictophacidium Rehm 1888, *Stictidaceae*, *Ostropales*, *Lecanoromycetes*, one species, type: *S. carniolicum* Rehm, asexual morph hyphomycetous, ?saprobes, Europe, see Lumbsch & Huhndorf (2010; outline), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Stromatinia (Boud.) Boud. 1907, *Sclerotiniaceae*, *Helotiales*, *Leotiomycetes*, c. 15 species, type: *S. rapulum* (Bull.) Boud., asexual morph unknown, saprobes, cosmopolitan, see Lumbsch & Huhndorf (2010; outline), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Subicularium M.L. Farr & Goos 1989, *Ascomycota* genera *incertae sedis*, five species, type: *S. reticulatum* M.L. Farr & Goos, hyphomycetous, saprobes, terrestrial, Venezuela, see Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b, c; outline), Kirk et al. (2013; not listed), cultures and sequences are available.

Sulcispora Shoemaker & C.E. Babc. 1989, *Phaeosphaeriaceae*, *Pleosporales*, *Dothideomycetes*, one species, saprobes, see Kirk et al. (2013; genus accepted), Phookamsak et al. (2014; notes), Li et al. (2015; phylogeny), cultures and sequences are available.

Sultanimyces Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *S. vitiphyllus* (Speschnew) Videira & Crous, hyphomycetous, pathogens, terrestrial, Uzbekistan, South Africa, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Sympodiosynnema J.W. Xia & X.G. Zhang 2016, *Ascomycota* genera *incertae sedis*, one species, type: *S. elegans* J.W. Xia & X.G. Zhang, hyphomycetous, saprobes, terrestrial, China, see Xia et al. (2016; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Teratoramularia Videira, H.D. Shin & Crous 2016, *Teratosphaeriaceae*, *Capnodiales*, *Dothideomycetes*, four species, type: *T. persicariae* Videira, H.D. Shin & Crous, hyphomycetous, sexual morph unknown, saprobes, terrestrial, cosmopolitan, see Videira et al. (2016; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), ex-type and holotype of the type: CBS 141105, KUS-F20536.

Thermomyces Tsikl. 1899, *Trichocomaceae*, *Eurotiales*, *Eurotiomycetes*, one species, type: *T. lanuginosus* Tsikl, six species, hyphomycetous, sexual morph unknown, worldwide, see Houbraken & Samson (2011; phylogeny), Seifert et al. (2011; morphology), Wijayawardene et al. (2012, 2017b; outline), Kirk et al. (2013; genus accepted), cultures and sequences are available.

Toxosporium Vuill. 1896, *Ascomycota* genera *incertae sedis*, one species, type: *T. abietinum* Vuill., hyphomycetous, saprobes, terrestrial, Europe, North America, see Seifert et al. (2011; taxonomy), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Tretendophragmia Subram. 1995, *Ascomycota* genera *incertae sedis*, one species, type: *T. palmivora* Subram., hyphomycetous, saprobes, terrestrial, Europe, North America, see Seifert et al. (2011; taxonomy), Kirk et al. (2013; genus accepted), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Tretospora M.B. Ellis 1976, *Ascomycota* genera *incertae sedis*, eight species, type: *T. negrii* M.B. Ellis, hyphomycetous, sexual morph unknown, saprobes, terrestrial, Africa, Asia, see Kirk et al. (2013; not listed), Wijayawardene et al. (2017b; outline, treated as in *Dothideomycetes*), cultures and sequences are unavailable thus we treat as *Ascomycota incertae sedis*.

Trichaleurina Rehm 1903, *Chorioactidaceae*, *Pezizales*, *Pezizomycetes*, one species, type: *T. polytricha* Rehm, saprobes?, see Jaklitsch et al. (2016; classification), Wijayawardene et al. (2017c; outline), sequences are unavailable.

Tricornispora Bonar 1967, *Ascomycota* genera *incertae sedis*, one species, type: *T. bambusae* Bonar, hyphomycetous, on fungi, terrestrial, Asia, see Seifert et al. (2011; morphology, accepted as a distinct genus), Kirk et al. (2013; not listed), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Vacuiphoma Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel 2017, *Didymellaceae*, *Pleosporales*, *Dothideomycetes*, two species, type: *V. bulgarica* (Aveskamp et al.) Valenzuela-Lopez, Cano, Crous, Guarro & Stchigel, coelomycetous, saprobes or pathogens, Bulgaria, USA, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Varicosporella Lechat & J. Fourn. 2015, *Nectriaceae*, *Hypocreales*, *Sordariomycetes*, five species, type: *V. aquatica* Lechat & J. Fourn., hyphomycetous, saprobes, aquatic, France, see Lechat & Fournier (2015; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Verkleyomyces Y. Marín & Crous 2017, *Dermateaceae*, *Helotiales*, *Leotiomycetes*, one species, type: *V. illicii* (X. Sun, L. Wang & L.D. Guo) Y. Marín & Crous, coelomycetous, cosmopolitan, see Marin-Felix et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Virosphaerella Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *V. pseudomarksii* (Cheewangkoon et al.) Videira & Crous, asexual morph unknown, pathogens, terrestrial, Thailand, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Wilsonomyces Adask., J.M. Ogawa & E.E. Butler 1990, *Ascomycota* genera *incertae sedis*, one species, type: *W. carpophilus* (Lév.) Adask., J.M. Ogawa & E.E. Butler, hyphomycetous, saprobes, terrestrial, cosmopolitan, see Seifert et al. (2011; morphology, accepted as a distinct genus), Kirk et al. (2013; not listed), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Xenokylindria DiCosmo, S.M. Berch & W.B. Kendr. 1983, *Ascomycota* genera *incertae sedis*, one species, type: *X. prolifera* (Matsush.) DiCosmo, S.M. Berch & W.B. Kendr., hyphomycetous, saprobes, terrestrial, cosmopolitan, see Réblová et al. (2011; notes), Seifert et al. (2011; doubtful genus), Kirk et al. (2013; not listed), Wijayawardene et al. (2012, 2017b, c; outline), cultures and sequences are unavailable.

Xenomyrothecium L. Lombard & Crous 2016, *Stachybotryaceae*, *Hypocreales*, *Sordariomycetes*, one species, type: *X. tongaense* (W.B. Kendr., DiCosmo & Michaelides) L. Lombard & Crous, hyphomycetous, saprobes, terrestrial, Tonga, see Lombard et al. (2016; taxonomy), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Xenopyrenochoetopsis Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano 2017, *Pyrenochoetopsidaceae*, *Pleosporales*, *Dothideomycetes*, one species, type: *X. pratorum* (P.R. Johnst. & Boerema) Valenzuela-Lopez, Crous, Stchigel, Guarro & Cano, coelomycetous, saprobes, New Zealand, see Valenzuela-Lopez et al. (2017; morphology, phylogeny), Wijayawardene et al. (2017; outline), cultures and sequences are available.

Xenosonderhenioides Videira & Crous 2017, *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*, one species, type: *V. indonesiana* C. Nakash., Videira & Crous, hyphomycetous, pathogens, terrestrial, Indonesia, see Videira et al. (2017; taxonomy, phylogeny), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

Yunnania H.Z. Kong 1998, *Microascaceae*, *Microascales*, *Sordariomycetes*, three species, type: *Y. penicillata* H.Z. Kong, hyphomycetous, cosmopolitan, see Houbraken & Samson (2011; phylogeny), Seifert et al. (2011; treated as a synonym of *Penicillium*), Wijayawardene et al. (2017c; outline), cultures and sequences are available.

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References

- Abdel-Wahab MA, Dayarathne MC, Suetrong S, Guo SY et al. 2017 – New saprobic marine fungi and a new combination. *Botanica Marina* 60, 469–488
- Baloch E, Gilenstam G, Wedin M. 2013 – The relationships of *Odontotrema* (*Odontotremataceae*) and the resurrected *Sphaeropezia* (*Stictidaceae*)—new combinations and three new *Sphaeropezia* species. *Mycologia* 105, 384–397
- Chen C, Verkley GJ, Sun G, Groenewald JZ et al. 2016 – Redefining common endophytes and plant pathogens in *Neofabraea*, *Pezicula*, and related genera. *Fungal Biology* 120, 1291–1322
- Crane JL, Miller AN. 2016 – Studies in genera similar to *Torula*: *Bahusaganda*, *Bahusandhika*, *Pseudotorula*, and *Simmonsella* gen. nov. *IMA fungus* 7, 29–45
- Crous PW, Braun U, Hunter GC, Wingfield MJ et al. 2012 – Phylogenetic lineages in *Pseudocercospora*. *Studies in Mycology* 75, 37–114
- De Beer ZW, Duong TA, Wingfield MJ. 2016a – The divorce of *Sporothrix* and *Ophiostoma*: solution to a problematic relationship. *Studies in Mycology* 83, 165–191
- De Beer ZW, Marincowitz S, Duong TA, Kim JJ et al. 2016b – *Hawksworthiomyces* gen. nov. (*Ophiostomatales*), illustrates the urgency for a decision on how to name novel taxa known only from environmental nucleic acid sequences (ENAS). *Fungal Biology* 120, 1323–1340
- de Gruyter J, Woudenberg JHC, Aveskamp MM, Verkley GJM et al. 2012 – Redisposition of Phoma-like anamorphs in *Pleosporales*. *Studies in Mycology* 75, 1–36
- Delgado G, Miller AN, Fernández FA 2015 – *Curvoclavula*, a new genus of anamorphic *Helotiales* (*Leotiomyces*) isolated from air. *Mycological Progress* 14, 3 DOI 10.1007/s11557-015-1025-3
- Divakar PK, Crespo A, Kraichak E, Leavitt SD et al. 2017 – Using a temporal phylogenetic method to harmonize family- and genus level classification in the largest clade of lichen-forming fungi. *Fungal Diversity* 84, 101–117
- Ekanayaka AH, Ariyawansa HA, Hyde KD, Jones EB et al. 2017 – Discomycetes: the apothecial representatives of the phylum Ascomycota. *Fungal Diversity* 87, 237–298

- Fernandez-Lafuente R. 2010 – Lipase from *Thermomyces lanuginosus*: uses and prospects as an industrial biocatalyst. *Journal of Molecular Catalysis B: Enzymatic* 62, 197–212.
- Gams W, Seifert KA, Morgan-Jones G. 2009 – New and validated hyphomycete taxa to resolve nomenclatural and taxonomic issues. *Mycotaxon* 110, 89–108
- Gao L, Wei Z, Wang B, Gleason ML et al. 2015 – A new species of *Scleroramularia* associated with sooty blotch and flyspeck in Southern China. *Phytotaxa* 226, 261–268
- González CD, Chaverri P 2017 – *Corinectria*, a new genus to accommodate *Neonectria fuckeliana* and *C. constricta* sp. nov. from *Pinus radiata* in Chile. *Mycological Progress* 16, 1015–1027
- Hafellner J, Rogers RW. 1990 – *Maronina*, a new genus of lichenised ascomycetes (*Lecanorales*, *Lecanoraceae*) with multispored asci. *Bibliotheca Lichenologica* 38, 99–108
- Hernández-Restrepo M, Groenewald JZ, Elliott ML, Canning G et al. 2016 – Take-all or nothing. *Studies in Mycology* 83, 19–48
- Hongsanan S, Maharachchikumbura SS, Hyde KD, Samarakoon MC et al 2017 – An updated phylogeny of Sordariomycetes based on phylogenetic and molecular clock evidence. *Fungal Diversity* 84, 25–41
- Houbraken J, Samson RA. 2011 – Phylogeny of *Penicillium* and the segregation of *Trichocomaceae* into three families. *Studies in Mycology* 70, 1–51
- Hyde KD, Jones EBG, Liu JK, Ariyawansa H et al. 2013 – Families of Dothideomycetes. *Fungal Diversity* 63, 1–313
- Hyde KD, McKenzie EHC, Koko TW. 2011 – Towards incorporating anamorphic fungi in a natural classification—checklist and notes for 2010. *Mycosphere* 2, 1–88
- Hyde KD, Maharachchikumbura SS, Hongsanan S, Samarakoon MC et al. 2017 – The ranking of fungi: a tribute to David L. Hawksworth on his 70th birthday. *Fungal Divers* 84, 1–23
- Index Fungorum (2017) <http://www.indexfungorum.org>. Accessed in December 2017
- Index Fungorum (2018) <http://www.indexfungorum.org>. Accessed in January 2018
- Jaklitsch W, Baral HO, Lücking R, Lumbsch HT. 2016 – Ascomycota. In: Frey W (ed) *Syllabus of Plant Families*, 23rd edn. Borntraeger Science Publishers, Stuttgart
- Jaklitsch WM, Voglmayr H. 2017 – Three former taxa of *Cucurbitaria* and considerations on *Petrakia* in the *Melanommataceae*. *Sydowia* 69, 81–95
- Johnston PR, Rogers JD, Park D, Martin NA. 2016 – *Entalbostroma erumpens* gen. et sp. nov. (*Xylariaceae*) from *Phormium* in New Zealand. *Mycotaxon* 131, 765–771
- Kirk PM, Cannon PF, Minter DW, Stalpers JA. 2008 – *Ainsworth & Bisby's Dictionary of the Fungi*, 10th edn. CAB International, Wallingford.
- Kirk PM, Stalpers JA, Braun U, Crous PW et al. 2013 – A without prejudice list of generic names of fungi for protection under the International Code of Nomenclature for algae, fungi, and plants. *IMA fungus* 4, 381–443
- Kirschner R, Pang KL, Jones EG. 2013 – Two cheirosporous hyphomycetes reassessed based on morphological and molecular examination. *Mycological Progress* 12, 29–36
- Kiyuna T, An KD, Kigawa R, Sano C et al. 2012 – Bristle-like fungal colonizers on the stone walls of the Kitora and Takamatsuzuka Tumuli are identified as *Kendrickiella phycomyces*. *Mycoscience* 53, 446–459
- Koukol O, Hofmann TA, Piepenbring M. 2017 – *Dendroseptoria mucilaginoso*: a new anamorphic fungus with stauroconidia and phylogenetic placement of *Dendroseptoria*. *Mycol Progress* <https://doi.org/10.1007/s11557-017-1351-8>
- Lechat C, Fournier J 2015 – *Varicosporella*, a new aquatic genus in the *Nectriaceae* from France. *Ascomycete. org.* 7, 1–8
- Li H, Sun G, Batzer JC, Crous PW 2011 – *Scleroramularia* gen. nov. associated with sooty blotch and flyspeck of apple and pawpaw from the Northern Hemisphere. *Fungal Diversity* 46, 53–66
- Li WJ, Bhat DJ, Camporesi E, Tian Q, Wijayawardene NN et al. 2015 – New asexual morph taxa in Phaeosphaeriaceae. *Mycosphere* 6, 681–708

- Liu JK, Hyde KD, Jeewon R, Phillips AJL et al 2017 – Ranking higher taxa using divergence times: a case study in *Dothideomycetes*. *Fungal Diversity* 84, 75–99
- Lombard L, Houbraken J, Decock C, Samson RA et al. 2016 – Generic hyper-diversity in *Stachybotriaceae*. *Persoonia* 36, 156–246
- Lücking R, Hodkinson BP, Leavitt SD. 2017 – The 2016 classification of lichenized fungi in the Ascomycota and Basidiomycota—approaching one thousand genera. *Bryologist* 119, 361–416
- Lumbsch HT, Huhndorf SM 2010 – Outline of Ascomycota 2009. *Myconet* 14, 1–64
- Luo J, Walsh E, Naik A, Zhuang W et al. 2014a – Temperate pine barrens and tropical rain forests are both rich in undescribed fungi. *PLoS one* 9, e103753
- Luo J, Walsh E, Zhang N 2014b – Four new species in *Magnaporthaceae* from grass roots in New Jersey Pine Barrens. *Mycologia* 106, 580–588
- Luo J, Walsh E, Blystone D, Zhang N 2015a – Five new *Pseudophialophora* species from grass roots in the oligotrophic pine barrens ecosystem. *Fungal Biology* 119, 1205–1215
- Luo J, Walsh E, Zhang N. 2015b – Toward monophyletic generic concepts in *Magnaporthales*: species with *Harpophora* asexual states. *Mycologia* 107, 641–646
- Maharachchikumbura SSN, Hyde KD, Jones EBG, McKenzie EHC et al 2015 – Towards a natural classification and backbone tree for *Sordariomycetes*. *Fungal Divers* 72, 199–301
- Maharachchikumbura SSN, Hyde KD, Jones EBG, McKenzie EHC et al 2016 – Families of *Sordariomycetes*. *Fungal Diversity* 79, 1–317
- Marin-Felix Y, Groenewald JZ, Cai L, Chen Q et al. 2017 – Genera of phytopathogenic fungi: GOPHY 1. *Studies in Mycology* 86, 99–216
- Mel'nik VA. 2012 – A new species of *Ardhachandra* (hyphomycetes) from Vietnam. *Mycosphere* 3, 922–924
- Miadlikowska J, Kauff F, Högnabba F, Oliver JC et al. 2014 – A multigene phylogenetic synthesis for the class *Lecanoromycetes* (Ascomycota): 1307 fungi representing 1139 infrageneric taxa, 317 genera and 66 families. *Molecular Phylogenetics and Evolution* 79, 132–168
- Papizadeh M, Wijayawardene NN, Amoozegar MA, Saba F et al. 2017 – *Neocamarosporium jorjanensis*, *N. persepolisi*, and *N. solicola* spp. nov. (*Neocamarosporiaceae*, *Pleosporales*) isolated from saline lakes of Iran indicate the possible halotolerant nature for the genus. *Mycological Progress* <https://doi.org/10.1007/s11557-017-1341-x>
- Papong K, Kantvilas G, Lumbsch HT. 2011 – Morphological and molecular evidence places *Maronina* into synonymy with *Protoparmelia* (Ascomycota: *Lecanorales*). *Lichenologist* 43, 561–567
- Phookamsak R, Liu JK, McKenzie EH, Manamgoda DS et al. 2014 – Revision of *Phaeosphaeriaceae*. *Fungal Diversity* 68:159–238
- Randlane T, Saag A, Thell A, Ahti T. 2013 – Third world list of cetrarioid lichens—In a new databased form, with amended phylogenetic and type information. *Cryptogamie Mycologie* 34, 79–94
- Rashmi D. 2014 – First report of *Ardhachandra critaspora* (Matsush.) Subram. & Sudha on *Lea indica* (Burm. f.) Merr. and *Syzygium cumini* Skeels. Lam. from Western Ghats, India. *Journal on New Biological Reports* 3, 1–3
- Réblová M, Gams W, Seifert KA. 2011 – *Monilochaetes* and allied genera of the *Glomerellales*, and a reconsideration of families in the *Microascales*. *Studies in Mycology* 68, 163–191
- Rossmann AY, Allen WC, Castlebury LA. 2016 – New combinations of plant-associated fungi resulting from the change to one name for fungi. *IMA fungus* 7, 1–7
- Ruibal C, Gueidan C, Selbmann L, Gorbushina AA et al. 2009 – Phylogeny of rock-inhabiting fungi related to *Dothideomycetes*. *Studies in Mycology* 64, 123–133
- Seifert KA, Morgan-Jones G, Gams W, Kendrick B. 2011 – The genera of Hyphomycetes. CBS Biodiversity Series 9, CBSKNAW Fungal Biodiversity Centre, Utrecht
- Senanayake IC, Maharachchikumbura SSN, Hyde KD, Bhat JD et al 2015 – Towards unraveling relationships in *Xylariomycetidae* (*Sordariomycetes*). *Fungal Diversity* 73, 73–144

- Sodamuk M, Boonpragob K, Mongkolsuk P, Tehler A et al. 2017 – *Kalbionora palaeotropica*, a new genus and species from coastal forests in Southeast Asia and Australia (*Malmideaceae*, *Ascomycota*). *MycKeys* 22, 15–25
- Su L, Guo L, Hao Y, Xiang M et al. 2015 – *Rupestriomyces* and *Spissiomyces*, two new genera of rock-inhabiting fungi from China. *Mycologia* 107, 831–844
- Thambugala KM, Ariyawansa HA, Li YM, Boonmee S et al. 2014 – *Dothideales*. *Fungal Diversity* 68, 105–158
- Thambugala KM, Daranagama DA, Phillips AJ, Bulgakov TS et al. 2017 – Microfungi on *Tamarix*. *Fungal Diversity* 82, 239–306
- Thell A, Högnabba F, Elix JA, Feuerer T et al. 2009 – Phylogeny of the cetrarioid core (*Parmeliaceae*) based on five genetic markers. *Lichenologist* 41, 489–511
- Trakunyingcharoen T, Lombard L, Groenewald JZ, Cheewangkoon R et al. 2014 – Mycoparasitic species of *Sphaerellopsis*, and allied lichenicolous and other genera. *IMA fungus* 5, 391–414
- Tsuneda A, Davey ML, Hambleton S, Currah RS. 2008 – *Endosporium*, a new endoconidial genus allied to the *Myriangiales*. *Botany* 86, 1020–1033
- Tsuneda A, Davey ML, Tsuneda I, Currah RS. 2010 – Two new dothideomycetous endoconidial genera from declining larch. *Botany* 88, 471–487
- Valenzuela-Lopez N, Cano-Lira JF, Guarro J, Sutton DA et al. 2017 – Coelomycetous *Dothideomycetes* with emphasis on the families *Cucurbitariaceae* and *Didymellaceae*. *Studies in Mycology* 90, 1–69
- Van Vooren N, Lindemann U, Healy R 2017 – Emendation of the genus *Tricharina* (*Pezizales*) based on phylogenetic, morphological and ecological data. *Ascomycete. org* 9, 101–123
- Van Vooren N, Tello S, Vega M. 2015 – *Pseudotrucharina intermedia* (*Pezizales*), a new genus and a new species discovered in the Mediterranean area. *Ascomycete. org* 7, 341–346
- Videira SI, Groenewald JZ, Nakashima C, Braun U et al. 2017 – *Mycosphaerellaceae*—Chaos or clarity? *Studies in Mycology* 87, 257–421
- Voglmayr H, Friebes G, Gardiennet A, Jaklitsch WM. 2017 – *Barrmaelia* and *Entosordaria* in *Barrmaeliaceae* (fam. nov., *Xylariales*) and critical notes on Anthostomella-like genera based on multigene phylogenies. *Mycological Progress* <https://doi.org/10.1007/s11557-017-1329-6>
- Wanasinghe DN, Hyde KD, Jeewon R, Crous PW et al. 2017 – Phylogenetic revision of *Camarosporium* (*Pleosporineae*, *Dothideomycetes*) and allied genera. *Studies in Mycology* 87, 207–256
- Wanasinghe DN, Jones EBG, Camporesi E, Dissanayake AJ et al. 2016 – Taxonomy and phylogeny of *Laburnicola* gen. nov. and *Paramassariosphaeria* gen. nov. (*Didymosphaeriaceae*, *Massarineae*, *Pleosporales*). *Fungal Biology* 120, 1354–1373
- Wang XW, Houbraken J, Groenewald JZ, Meijer M. 2016 – Diversity and taxonomy of *Chaetomium* and chaetomium-like fungi from indoor environments. *Studies in Mycology* 84, 145–224
- Wei X, Schmitt I, Hodkinson B, Flakus A et al. 2017 – Circumscription of the genus *Lepra*, a recently resurrected genus to accommodate the “Variolaria”-group of *Pertusaria sensu lato* (*Pertusariales*, *Ascomycota*). *PloS one* 12, e0180284
- Werner RG. 1932 – Contribution á la flore cryptogamique du Maroc V. *Cavanillesia* 5, 157–174
- Wijayawardene DNN, McKenzie EHC, Hyde KD 2012 – Towards incorporating anamorphic fungi in a natural classification—checklist and notes for 2011. *Mycosphere* 3, 157–228
- Wijayawardene NN, Crous PW, Kirk PM, Hawksworth DL et al. 2014c – Naming and outline of *Dothideomycetes*—2014 including proposals for the protection or suppression of generic names. *Fungal Diversity* 69, 1–55
- Wijayawardene NN, Hyde KD, Lumbsch HT, Liu JK et al. 2017c – Outline of *Ascomycota* – 2017. *Fungal Diversity* <https://doi.org/10.1007/s13225-018-0394-8>
- Wijayawardene NN, Hyde KD, Rajeshkumar KC, Hawksworth DL et al. 2017a – Notes for genera: *Ascomycota*. *Fungal Diversity* 86, 1– 594

- Wijayawardene NN, Hyde KD, Tibpromma S, Wanasinghe DN et al. 2017b – Towards incorporating asexual fungi in a natural classification: checklist and notes 2012–2016. *Mycosphere* 8, 1457–1554
- Wijayawardene NN, Hyde KD, Wanasinghe DN, Papizadeh M et al. 2016 – Taxonomy and phylogeny of dematiaceous coelomycetes. *Fungal Diversity* 77, 1–316
- Xia JW, Ma YR, Gao JM, Li Z et al. 2016 – *Sympodiosynnema*, a new genus of dematiaceous hyphomycetes from southern China. *Mycotaxon* 131, 45–48
- Zakeri Z, Divakar PK, Otte V. 2017 – Taxonomy and phylogeny of *Aspiciliella*, a resurrected genus of *Megasporaceae*, including the new species *A. portosantana*. *Herzogia* 30, 166–176
- Zhang T, Deng X, Yu Y, Zhang M et al. 2016 – *Pseudochaetosphaeronema ginkgonis* sp. nov., an endophyte isolated from *Ginkgo biloba*. *International Journal of Systematic and Evolutionary Microbiology* 66, 4377–4381