

Fungus and Lichen Genera in the NEMF Database

Taxonomic hierarchy: phylum > class (-etes) > order (-ales) > family (-ceae) > genus.

Total number of genera in the database: 526

Anamorphic fungi (see p. 4), which are disseminated by propagules not formed from cells where meiosis has occurred, are presently not grouped by class, order, etc. Most propagules can be referred to as "conidia," but some are derived from unspecialized vegetative mycelium. A significant number are correlated with fungal states that produce spores derived from cells where meiosis has, or is assumed to have, occurred. These are, where known, members of the ascomycetes or basidiomycetes. However, in many cases, they are still undescribed, unrecognized or poorly known. (Explanation paraphrased from "Dictionary of the Fungi, 9th Edition.")

Principal authority for this taxonomy is the Dictionary of the Fungi and its online database, www.indexfungorum.org.

For lichens, see Lecanoromycetes on p. 3.

Basidiomycota	Aegerita	Poria	Macrolepiota
Agaricomycetes	Grandinia	Poronidulus	Melanophyllum
Cantharellales	Hyphoderma	Postia	<u>Amanitaceae</u>
<u>Cantharellaceae</u>	<u>Meripilaceae</u>	Pycnoporellus	Amanita
Cantharellus	Abortiporus	Skeletocutis	<u>Bolbitiaceae</u>
Craterellus	Antrodia	Trichaptum	Agrocybe
<u>Clavulinaceae</u>	Grifola	Tyromyces	Bolbitis
Clavulina	Meripilus	<u>Sistotremataceae</u>	Conocybe
<u>Hydnaceae</u>	Physisporinus	Trechispora	Hebeloma
Hydnum	<u>Meruliaceae</u>	<u>Sparassidaceae</u>	Panaeolina
Polyporales	Climacodon	Sparassis	<u>Clavariaceae</u>
<u>Albatrellaceae</u>	Gloeoporus	<u>Steccherinaceae</u>	Clavaria
Albatrellus	Hyphodermopsis	Antrodiella	Clavulinopsis
Jahnoporus	Merulius	Irpex	Multiclavula
<u>Atheliaceae</u>	Phlebia	Junghuhnia	<u>Entolomataceae</u>
Amphinema	Resinicium	Mycorrhaphium	Alboleptonia
Byssocorticium	<u>Phanerochaetaceae</u>	Steccherinum	Claudopus
Piloderma	Ceraceomyces	<u>Tubulicrinaceae</u>	Clitopilus
Plicatura	Lopharia	Tubulicrinis	Eccilia
Plicaturopsis	Odonticium	<u>Xenasmataceae</u>	Entoloma
<u>Boreostereaceae</u>	Phanerochaete	Xenasma	Leptonia
Boreostereum	<u>Podoscyphaceae</u>	Thelephorales	Nolanea
<u>Coriolaceae</u>	Cotilydia	<u>Bankeraceae</u>	Rhodocybe
Pycnoporus	<u>Polyporaceae</u>	Bankera	<u>Fistulinaceae</u>
Trametes	Cerrena	Hydnellum	Fistulina
<u>Corticaceae</u>	Coriolopsis	Phellodon	Pseudofistulina
Corticium	Cryptoporus	Sarcodon	<u>Hydnangiaceae</u>
Dendrothele	Daedaleopsis	<u>Botryobasidiaceae</u>	Laccaria
Punctularia	Datronia	Acladium	<u>Hygrophoraceae</u>
<u>Cyphellaceae</u>	Dichomitus	Botryobasidium	Camarophyllopsis
Sarcodontia	Favolus	<u>Thelephoraceae</u>	Hygrocybe
Stigmatolemma	Fibroporia	Boletopsis	Hygrophorus
<u>Cystostereaceae</u>	Fomes	Polyozellus	<u>Lycoperdaceae</u>
Cystostereum	Globifomes	Thelephora	Bovista
<u>Fomitopsidaceae</u>	Laetiporus	Tomentella	Calvatia
Daedalea	Lasiochlaena	Basidiomycetes	Disciseda
Fomitopsis	Lentinus	Agaricales	Langermannia
Parmastomyces	Lenzites	<u>Agaricaceae</u>	Lycoperdon
Piptoporus	Leptoporus	Agaricus	Morganella
<u>Ganodermataceae</u>	Melanoporia	Chlorophyllum	<u>Marasmiaceae</u>
Ganoderma	Oligoporus	Coprinus	Armillaria
<u>Gloeophyllaceae</u>	Panus	Cystolepiota	Baeospora
Gloeophyllum	Perenniporia	Lepiota	Cyphellopsis
<u>Hyphodermataceae</u>	Phaeolus	Leucoagaricus	Cyptotrama
	Polyporus	Leucocoprinus	Flammulina

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Gerronema	Gymnopus	Gomphidius	Hypodontia
Marasmiellus	Hydropus	<u>Gyroporaceae</u>	Oxyporus
Marasmius	Hypsizygus	Gyroporus	Schizopora
Merismodes	Lepista	<u>Hapalopilaceae</u>	Phallales
Micromphale	Leucopaxillus	Bjerkandera	<u>Geastraceae</u>
Omphalotus	Leucopholiota	Ceriporia	Geastrum
Oudemansiella	Lyophyllum	Climacocystis	Sphaerobolus
Physalacria	Megacollybia	Hapalopilus	<u>Gomphaceae</u>
Xerula	Melanoleuca	Ischnoderma	Clavariadelphus
<u>Nidulariaceae</u>	Mycena	Spongipellis	Gomphus
Crucibulum	Omphalina	<u>Hygrophoropsidaceae</u>	Lentaria
Cyathus	Panellus	Hygrophoropsis	Ramariopsis
<u>Pleurotaceae</u>	Phyllostopsis	Tapinella	Turbinellus
Hohenbuehelia	Pleurocybella	<u>Paxillaceae</u>	<u>Hysterangiaceae</u>
Pleurotus	Porpoloma	Gyrodon	Phallogaster
<u>Pluteaceae</u>	Pseudoarmillaria	Paxillus	<u>Phallaceae</u>
Limacella	Resinomycena	<u>Rhizopogonaceae</u>	Mutinus
Pluteus	Resupinatus	Rhizopogon	Phallus
Volvariella	Rhodocollybia	<u>Sclerodermataceae</u>	Pseudocolus
<u>Psathyrellaceae</u>	Rickenella	Astraeus	<u>Ramariaceae</u>
Coprinellus	Sarcomyxa	Calostoma	Kavinia
Coprinopsis	Squamanita	Pisolithus	Ramaria
Lacrymaria	Tectella	Scleroderma	Russulales
Parasola	Tephroclybe	<u>Suillaceae</u>	<u>Auriscalpiaceae</u>
Psathyrella	Tricholoma	Fuscoboletinus	Artomyces
<u>Schizophyllaceae</u>	Tricholomopsis	Suillus	Auriscalpium
Henningsomyces	Xeromphalina	Cortinariales	Lentinellus
Porodisculus	<u>Auriculariales</u>	<u>Cortinariaceae</u>	<u>Bondarzewiaceae</u>
Rectipilis	<u>Auriculariaceae</u>	Cortinarius	Bondarzewia
Schizophyllum	Auricularia	Crepidotus	<u>Hericiaceae</u>
Solenia	<u>Boletales</u>	Galerina	Hericium
<u>Stromatoscyphaceae</u>	<u>Boletaceae</u>	Gymnopilus	Mucronella
Porotheleum	Austroboletus	Inocybe	<u>Lachnocladiaceae</u>
<u>Strophariaceae</u>	Boletellus	Phaeocollybia	Lachnocladium
Hypholoma	Boletus	Phaeomarasmius	Vararia
Kuehneromyces	Bothia	Rozites	<u>Peniophoraceae</u>
Panaeolus	Chalciporus	Simocybe	Peniophora
Pholiota	Leccinum	Tubaria	<u>Russulaceae</u>
Psilocybe	Phylloporus	<u>Dacrymycetales</u>	Lactarius
Stropharia	Porphyrellus	<u>Dacrymycetaceae</u>	Russula
<u>Tricholomataceae</u>	Pseudoboletus	Calocera	<u>Stereaceae</u>
Asterophora	Pulveroboletus	Dacrymyces	Aleurodiscus
Callistosporium	Strobilomyces	Dacryopinax	Gloeocystidiellum
Calocybe	Tylopilus	Femsjonia	Laxitextum
Cantharellula	Xanthoconium	Guepiniopsis	Stereum
Catathelasma	Xerocomus	<u>Hymenochaetales</u>	Xylobolus
Cheimonophyllum	<u>Boletinellaceae</u>	<u>Hymenochaetaceae</u>	Tremellales
Chromosera	Phlebopus	Asterodon	<u>Carcinomycetaceae</u>
Chrysomphalina	<u>Coniophoraceae</u>	Coltricia	Carcinomyces
Clitocybe	Coniophora	Coltriciella	<u>Exidiaceae</u>
Clitocybula	Leucogyrophana	Hydnochaete	Ductifera
Collybia	Pseudomerulius	Hymenochaete	Exidia
Crinipellis	Serpula	Inonotus	Phlogiotis
Cystoderma	<u>Gomphidiaceae</u>	Phellinus	Pseudohydnum
Delicatula	Chroogomphus	<u>Schizoporaceae</u>	Sebacina

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Tremellodendron	<i>Mycocaliciales</i>	<i>Massariaceae</i>	Verticillium
Tulasnellales	<i>Mycocaliciaceae</i>	Navicella	Xylocoremium
<i>Tulasnellaceae</i>	Phaeocalicium	Rhytismatales	<i>Orbiliaceae</i>
Tulasnella	Ostropales	<i>Rhytismataceae</i>	Orbilbia
Urediniomycetes	<i>Stictidaceae</i>	Coccomyces	<i>Tremellaceae</i>
Atractiellales	Cryptodiscus	Propolis	Tremella
<i>Chionosphaeraceae</i>	Peltigerales	Rhytisma	<i>Umbilicariaceae</i>
Chionosphaera	<i>Collemataceae</i>	Sordariales	Lasallia
<i>Phleogenaceae</i>	Leptogium	<i>Lasiosphaeriaceae</i>	Umbilicaria
Phleogena	<i>Peltigeraceae</i>	Lasiosphaeria	Lecanoromycetes (Lichens)
Uredinales	Peltigera	Taphrinales	Lecanorales
<i>Coleosporiaceae</i>	Pezizales	<i>Taphrinaceae</i>	<i>Candelariaceae</i>
Chrysomyxa	<i>Ascolobalaceae</i>	Taphrina	Candelaria
<i>Pucciniaceae</i>	Ascobolus	Dothidiomycetes	<i>Cladoniaceae</i>
Gymnosporangium	<i>Discinaceae</i>	Pleosporales	Cladonia
Puccinia	Gyromitra	<i>Incertae Sedis (p)</i>	<i>Parmeliaceae</i>
Uromyces	<i>Helvellaceae</i>	Berkleasmium	Evernia
Ustilaginomycetes	Helvella	<i>Lophiostomataceae</i>	Flavoparmelia
Exobasidiales	Leptopodia	Massarina	Hypogymnia
<i>Exobasidiaceae</i>	<i>Pezizaceae</i>	<i>Melanommataceae</i>	Lobaria
Exobasidium	Chromelosporium	Trematosphaeria	Nephrium
Ustilaginales	Ostracoderma	<i>Pleosporaceae</i>	Parmelia
<i>Ustilaginaceae</i>	Pachyella	Dendryphiopsis	Parmotrema
Ustilago	Peziza	<i>Venturiaceae</i>	Platismatia
Ascomycota	Scabropezia	Apiosporina	Punctelia
Ascomycetes	Trichobolus	Venturia	Tuckermanopsis
Boliniales	<i>Pyronemataceae</i>	Incertae Sedis	Usnea
<i>Boliniaceae</i>	Aleuria	<i>Incertae Sedis</i>	<i>Physciaceae</i>
Camarops	Cheilymenia	<i>Icmadophilaceae</i>	Phaeophyscia
Capnodiales	Humaria	Dibaeis	Physcia
<i>Capnodiaceae</i>	Jafnea	<i>Incertae Sedis</i>	Physconia
Capnodium	Lamprospora	Amblyosporium	<i>Ramalinaceae</i>
Diaporthales	Leucoscypha	Bactridium	Ramalina
<i>Valsaceae</i>	Melastiza	Cacumisporium	Leotiomycetes
Cryphonectria	Octospora	Cordana	Helotiales
Valsaria	Otidea	Drepanospora	<i>Cudoniaceae</i>
Elaphomycetales	Pulvinula	Everhartia	Cudonia
<i>Elaphomycetaceae</i>	Scutellinia	Gonytrichum	Spathularia
Elaphomyces	Sowerbyella	Hansfordia	<i>Dermateaceae</i>
Erysiphales	Tarzetta	Helicomycetes	Catinella
<i>Erysiphaceae</i>	Trichophaea	Helicoon	Chlorosplenium
Erysiphe	<i>Rhizinaceae</i>	Hormomyces	Mollisia
Microsphaera	Rhizina	Isaria	Ocellaria
Uncinula	<i>Sarcoscyphaceae</i>	Mycogone	Pezicula
Halosphaeriales	Microstoma	Ozonium	Podophaacidium
<i>Halosphaeriaceae</i>	Plectania	Paecilomyces	<i>Geoglossaceae</i>
Cerioporiopsis	Sarcoscypha	Penicillium	Geoglossum
Hysteriales	Wynnea	Pleurocolla	Leptoglossum
<i>Hysteriaceae</i>	<i>Sarcosomataceae</i>	Polycephalomyces	Microglossum
Glonium	Galiella	Rhinotrachium	Trichoglossum
Hysterium	Pseudoplectania	Sepedonium	<i>Helotiaceae</i>
Micothyriales	Wolfina	Spadicoides	Ascocoryne
<i>Microthyriaceae</i>	<i>Tuberaceae</i>	Stilbella	Ascotremella
Microthyrium	Tuber	Trichoderma	Bisporella
	Pyrenulales	Tubercularia	Calycina

Chlorencoelia	Polydesmia	Hemitrichia
Chlorociboria	Stephanoma	Metatrichia
Helotium	<u>Incertae Sedis (h)</u>	Trichia
Holwaya	Calcarisporium	Protosteliomycetes
Hymenoscyphus	<u>Nectriaceae</u>	Protosteliales
Ionomidotis	Nectria	<u>Ceratiomyxaceae</u>
Mitrula	Trichosphaeriales	Ceratiomyxa
Neobulgaria	<u>Helminthosphaeriaceae</u>	Zygomycota
Neocudonia	Helminthosphaeria	Zygomycetes
Neocudoniella	Xylariales	Endogonales
Parorbiliopsis	<u>Diatrypaeceae</u>	<u>Endogonaceae</u>
Phaeohelotium	Diatrype	Endogone
Strossmayeria	Diatrypella	Mucorales
Tatraea	Eutypella	<u>Mucoraceae</u>
<u>Hyaloscyphaceae</u>	<u>Xylariaceae</u>	Spinellus
Arachnopeziza	Daldinia	Syzygites
Dasyscyphella	Hypoxyton	<u>Pilobolaceae</u>
Hyaloscypha	Kretzschmaria	Pilobolus
Lachnellula	Rosellinia	
Lachnum	Ustulina	
Proliferodiscus	Xylaria	
Trichopeziza	Myxomycota	
Unguicularia	Myxomycetes	
Unguiculella	Liceales	
<u>Leotiaceae</u>	<u>Cribrariaceae</u>	
Bulgaria	Cribraria	
Leotia	Dictydium	
Pezoloma	Lindbladia	
<u>Rutstroemiaceae</u>	<u>Reticulariaceae</u>	
Rutstroemia	Enteridium	
<u>Sclerotiniaceae</u>	Lycogala	
Botrytis	Reticularia	
Neoelectomycetes	Tubifera	
Neoelectales	Physarales	
<u>Neoelectaceae</u>	<u>Didymiaceae</u>	
Neoelecta	Diderma	
Sordariomycetes	Didymium	
Chaetosphaeriales	Mucilago	
<u>Chaetosphaeriaceae</u>	<u>Physaraceae</u>	
Chloridium	Badhamia	
Hypocreales	Fuligo	
<u>Bionectriaceae</u>	Leocarpus	
Nectriopsis	Physarella	
<u>Ceratostomataceae</u>	Physarum	
Melanospora	Stemonitales	
<u>Clavicipitaceae</u>	<u>Stemonitidaceae</u>	
Beauveria	Brefeldia	
Byssostilbe	Comatricha	
Cordyceps	Lamproderma	
Gibellula	Stemonitis	
<u>Hypocreaceae</u>	Trichiales	
Cladobotryum	<u>Arcyriaceae</u>	
Hypocrea	Arcyria	
Hypomyces	<u>Trichiaceae</u>	
Podostroma		