

Marshall University (MUHW) Fern Collection

Organization based on: Christenhusz, Maarten J.M. & Chase, Mark W. (2014). "Trends and concepts in fern classification". *Annals of Botany* 113 (9): 571–594.

** Bold families are represented in MUHW. Genera are not specified yet.

- Class **Equisetopsida** [or subclass Equisetidae] (horsetails and scouring-rushes)
 - Order **Equisetales**
 - Family **Equisetaceae**
 - Genus: *Equisetum*
- Class **Psilotopsida** [or subclass Ophioglossidae] (whisk ferns, adder's-tongues and moonworts)
 - Order **Ophioglossales**
 - Family **Ophioglossaceae**: (incl. Botrychiaceae)
 - Genera: *Botrychium*, *Botrypus*, *Sceptridium*, *Helminthostachys*, *Cheiroglossa*, *Mankyua*, *Ophioglossum*, *Ophioderma*
 - Order **Psilotales**
 - Family **Psilotaceae** (incl. Tmesipteridaceae)
 - Genera: *Psilotum*, *Tmesipteris*
- Class **Marattiopsida** [or subclass Marattiidae] (marattioid ferns)
 - Order **Marattiales**
 - Family **Marattiaceae** (incl. Angiopteridaceae, Christenseniaceae, Danaeaceae)
 - Genera: *Angiopteris*, *Christensenia*, *Danaea*, *Eupodium*, *Marattia*, *Ptisana*
- Class **Polypodiopsida** [or subclass Polypodiidae] (leptosporangiate ferns, also called Filicopsida or Pteridopsida)
 - Order **Osmundales** (royal ferns)
 - Family **Osmundaceae**
 - Genera: *Leptopteris*, *Osmunda*, *Osmundastrum*, *Todea*
 - Order **Hymenophyllales** (filmy ferns and bristle ferns)
 - Family **Hymenophyllaceae** (incl. Trichomanaceae)
 - Genera: *Abrodictyum*, *Callistopteris*, *Cephalomanes*, *Crepidomanes*, *Didymoglossum*, *Hymenophyllum*, *Polyphegium*, *Trichomanes*, *Vandenboschia*
 - Order **Gleicheniales**
 - Family **Gleicheniaceae** (incl. Stromatopteridaceae)
 - Genera: *Dicranopteris*, *Diplopterygium*, *Gleichenella*, *Gleichenia*, *Sticherus*, *Stromatopteris*
 - Family **Dipteridaceae** (incl. Cheiroleuriaceae)
 - Genera: *Cheiropleuria*, *Dipteris*
 - Family **Matoniaceae**
 - Genera: *Matonia*, *Phanerosorus*
 - Order **Schizaeales**
 - Family **Lygodiaceae**
 - Genus: *Lygodium*
 - Family **Schizaeaceae**
 - Genera: *Actinostachys*, *Schizaea*
 - Family **Anemiaceae** (incl. Mohriaceae)

- Genus: *Anemia* (incl. *Mohria*)
- Order **Salviniales**
 - Family **Marsileaceae** (incl. Pilulariaceae)
 - Genera: *Marsilea*, *Pilularia*, *Regnellidium*
 - Family **Salviniaceae** (incl. Azollaceae)
 - Genera: *Azolla*, *Salvinia*
- Order **Cyatheales** (tree ferns)
 - Family **Thyrsopteridaceae**
 - Genus: *Thyrsopteris*
 - Family **Loxsomataceae**
 - Genera: *Loxsonia*, *Loxsomopsis*
 - Family **Culcitaceae**
 - Genus: *Culcita*
 - Family **Plagiogyriaceae**
 - Genus: *Plagiogyria*
 - Family **Cibotiaceae**
 - Genus: *Cibotium*
 - Family **Cyatheaceae** (incl. Alsophilaceae, Hymenophyllopsidaceae)
 - Genera: *Alsophila*, *Cyathea*, *Gymnosphaera*, *Sphaeropteris*
 - Family **Dicksoniaceae** (incl. Lophosoriaceae)
 - Genera: *Calochlaena*, *Dicksonia*, *Lophosoria*
 - Family **Metaxyaceae**
 - Genus: *Metaxya*
- Order **Polypodiales**
 - Family **Lonchitidaceae**
 - Genus: *Lonchitis*
 - Family **Saccolomataceae**
 - Genera: *Orthiopteris*, *Saccoloma*
 - Family **Cystodiaceae**
 - Genus: *Cystodium*
 - Family **Lindsaeaceae**
 - Genera: *Lindsaea*, *Nesolindsaea*, *Odontosoria*, *Osmolindsaea*, *Sphenomeris*, *Tapeinidium*, *Xyropteris*
 - Family **Dennstaedtiaceae** (incl. Hypolepidaceae, Monachosoraceae, Pteridiaceae)
 - Genera: *Blotiella*, *Dennstaedtia*, *Histiopteris*, *Hypolepis*, *Leptolepia*, *Microlepia*, *Monachosorum*, *Oenotrichia*, *Paesia*, *Pteridium*
 - Family **Pteridaceae** (incl. Pellaeaceae, Adiantaceae, Cheilanthaceae, Ceratopteridaceae, Parkeriaceae, Cryptogrammaeae, Sinopteridaceae)
 - Subfamily **Cryptogrammoideae**
 - Genera: *Coniogramme*, *Cryptogramma*, *Llavea*
 - Subfamily **Ceratopteridoideae**
 - Genera: *Acrostichum*, *Ceratopteris*
 - Subfamily **Pteridoideae**
 - Genera: *Actiniopteris*, *Anogramma*, *Aspleniopsis*, *Austrogramme*, *Cerosora*, *Cosentinia*, *Jamesonia* (incl. *Eriosorus*), *Nephopteris*, *Onychium*, *Pityrogramma*, *Pteris*, *Pterozonium*, *Syngamma*, *Taenitis*
 - Subfamily **Cheilanthoideae**
 - Genera: *Adiantopsis*, *Aleuritopteris*, *Argyrochosma*, *Aspidotis*, *Astrolepia*, *Bommeria*, *Calciphlopteris*, *Cassebeera*, *Cheilanthes*, *Cheiloplecton*, *Doryopteris*, *Hemionitis*, *Mildella*, *Notholaena*, *Paraceterach*, *Paragympnopteris*, *Pellaea*, *Pentagramma*, *Trachypteris*, *Tryonella*
 - Subfamily **Vittarioideae**
 - Genera: *Adiantum*, *Ananthacorus*, *Anetium*, *Antrophyum*, *Haplopteris*, *Hecistopteris*, *Monogramma*, *Polyaenium*, *Radiovittaria*, *Rheopteris*, *Scoliosorus*, *Vittaria*
 - Family **Cystopteridaceae**
 - Genera: *Acystopteris*, *Cystoathyrium*, *Cystopteris*, *Gymnocarpium*

- Family **Hemidietyaceae**^[4]
 - Genus: *Hemidietyum*
- Family **Aspleniaceae**
 - Genera: *Asplenium*, *Hymenasplenium*.
- Family **Diplaziopsidaceae**
 - Genera: *Diplaziopsis*, *Homalosorus*
- Family **Thelypteridaceae**
 - Genera: *Cyclosorus*, *Macrothelypteris*, *Phegopteris*, *Pseudophegopteris*, *Thelypteris*
- Family **Woodsiaceae**
 - Genera: *Cheilanthes*, *Hymenocystis*, *Woodsia*
- Family **Rhachidosoraceae**
 - Genus: *Rhachidosorus*
- Family **Onocleaceae**
 - Genera: *Onoclea* (incl. *Matteuccia*, *Onocleopsis*, *Pentarhizidium*)
- Family **Blechnaceae** (incl. *Stenochlaenaceae*)
 - Genera: *Blechnum* (incl. *Doodia*), *Brainea*, *Pteridoblechnum*, *Sadleria*, *Salpichlaena*, *Stenochlaena*, *Woodwardia* (Note: the generic delimitation is uncertain. *Braianea*, *Pteridoblechnum* and *Sadleria* should probably be included in *Blechnum*, whereas *Stenochlaena*, *Salpichlaena* and a few species of *Blechnum* should be united in a separate genus.)
- Family **Athyriaceae**
 - Genera: *Anisocampium*, *Athyrium*, *Cornopteris*, *Deparia*, *Diplazium*
- Family **Hypodematiaceae**
 - Genera: *Didymochlaena*, *Hypodematium*, *Leucostegia*
- Family **Dryopteridaceae** (incl. *Aspidiaceae*, *Bolbitidaceae*, *Elaphoglossaceae*, *Peranemataceae*)
 - Subfamily **Dryopteridoideae**
 - Genera: *Acrophorus*, *Acrorumohra*, *Adenoderris*, *Arachniodes*, *Coveniella*, *Ctenitis*, *Cyrtogonellum*, *Cyrtomidictyum*, *Cyrtomium*, *Diacalpe*, *Dryopolystichum*, *Dryopsis*, *Dryopteris*, *Leptorumohra*, *Lithostegia*, *Peranema*, *Phanerophlebia*, *Polystichopsis*, *Polystichum*, *Revwattsia*, *Stenolepia*
 - Subfamily **Dryopteridoideae**
 - Genera: *Arthrobotrya*, *Bolbitis*, *Cyclodium*, *Elaphoglossum*, *Lastreopsis*, *Lomagramma*, *Maxonia*, *Megalastrium*, *Mickelia*, *Olfersia*, *Polybotrya*, *Rumohra*, *Stigmatopteris*, *Teratophyllum*
- Family **Lomariopsidaceae**
 - Genera: *Cyclopeltis*, *Dracoglossum*, *Lomariopsis*, *Thysanosoria*
- Family **Nephrolepidaceae**
 - Genus: *Nephrolepis*
- Family **Tectariaceae**
 - Genera: *Aenigmopteris*, *Arthropteris*, *Hypoderris*, *Pleocnemia*, *Psammiosorus*, *Psomiocarpa*, *Pteridrys*, *Tectaria*, *Triplophyllum*, *Wagneriopteris*
- Family **Oleandraceae**
 - Genus: *Oleandra*
- Family **Davalliaceae**
 - Genera: *Davallia* (incl. *Humata*), *Davallodes*
- Family **Polyodiaceae** (incl. *Drynariaceae*, *Grammitidaceae*, *Gymnogrammitidaceae*, *Loxogrammaceae*, *Platyneriaceae*, *Pleurisoriopsidaceae*)
 - Subfamily **Loxogrammoideae**
 - Genus: *Dictymia*, *Loxogramme*
 - Subfamily **Drynarioideae**
 - Genera: *Aglaomorpha*, *Arthromeris*, *Christiopteris*, *Drynaria*, *Gymnogrammitis*, *Paraselliguea*, *Phymatopteris*, *Polypodiopteris*, *Selliguea* (note: *Drynaria*, *Christiopteris* and *Aglaomorpha* should be united.)
 - Subfamily **Platynerioideae**
 - Genera: *Platynerium*, *Pyrrosia*
 - Subfamily **Microsorioideae**

- Genera: *Dendroconche*, *Goniophlebium*, *Kaulinia*, *Kontumia*, *Lecanopteris*, *Lemmaphyllum*, *Lepisorus*, *Lepidomicrosorium*, *Leptochilus*, *Microsorium*, *Neocheiropteris*, *Neolepisorus*, *Paragramma*, *Phymatosorus*, *Podosorus*, *Thylacopteris*, *Tricholepidium*
- Subfamily **Polypodioideae**
 - Genera: *Campyloneurum*, *Microgramma*, *Niphidium*, *Pecluma*, *Phlebodium*, *Pleopeltis*, *Pleurosoriopsis*, *Polypodium*, *Serpocaulon*, *Synammia*, and the grammitids: *Acrosorus*, *Adenophorus*, *Calymmodon*, *Ceradenia*, *Chrysogrammitis*, *Cochlidium*, *Ctenopterella*, *Dasygrammitis*, *Enterosora*, *Grammitis*, *Lellingeria*, *Leucostrichum*, *Luisma*, *Melpomene*, *Micropolypodium*, *Oreogrammitis*, *Prosaptia* (incl. *Ctenopteris*), *Radiogrammitis*, *Scleroglossum* (incl. *Nematopteris*), *Terpsichore*, *Themelium*, *Tomophyllum*, *Xiphopterella*, *Xiphoteris*, *Zygophlebia*