

PHAEOPHYTA: PHAEOPHYCEAE

ECTOCARPALES

Ectocarpaceae

Acinetospora Bornet

Acinetospora crinita (Carmichael ex Harvey) Kornmann

Dichosporangium Hauck

Dichosporangium chordariae Wollny

Ectocarpus Lyngbye

Ectocarpus fasciculatus Harvey

Ectocarpus siliculosus (Dillwyn) Lyngbye

Feldmannia Hamel

Feldmannia globifera (Kützing) Hamel

Feldmannia simplex (P Crouan et H Crouan) Hamel

Hincksia J E Gray - Formerly Giffordia; see Silva in Silva et al. (1987)

Hincksia granulosa (J E Smith) P C Silva - Synonym: *Giffordia granulosa* (J E Smith) Hamel

Hincksia hincksiae (Harvey) P C Silva - Synonym: *Giffordia hincksiae* (Harvey) Hamel

Hincksia mitchelliae (Harvey) P C Silva - Synonym: *Giffordia mitchelliae* (Harvey) Hamel

Hincksia ovata (Kjellman) P C Silva - Synonym: *Giffordia ovata* (Kjellman) Kylin - See Morton (1994, p.32)

Hincksia sandriana (Zanardini) P C Silva - Synonym: *Giffordia sandriana* (Zanardini) Hamel - Only known from Co. Down; see Morton (1994, p.32)

Hincksia secunda (Kützing) P C Silva - Synonym: *Giffordia secunda* (Kützing) Batters

Herponema J Agardh

Herponema solitarium (Sauvageau) Hamel

Herponema velutinum (Greville) J Agardh

Kuetzingiella Kornmann

Kuetzingiella battersii (Bornet) Kornmann

Kuetzingiella holmesii (Batters) Russell

Laminariocolax Kylin

Laminariocolax tomentosoides (Farlow) Kylin

Mikrosyphar Kuckuck

Mikrosyphar polysiphoniae Kuckuck

Mikrosyphar porphyrae Kuckuck

Phaeostroma Kuckuck

Phaeostroma pustulosum Kuckuck

Pilayella Bory

Pilayella littoralis (Linnaeus) Kjellman

Spongonema Kützing

Spongonema tomentosum (Hudson) Kützing

Streblonema Derbès et Solier

Streblonema breve (Sauvageau) De Toni

Streblonema fasciculatum Thuret

Streblonema parasiticum (Sauvageau) Levring

Streblonema sphaericum (Derbès et Solier) Thuret

Streblonema stilophorae (P Crouan et H Crouan) Hamel

Streblonema tenuissimum Hauck

Streblonema zanardinii (P Crouan et H Crouan) De Toni

Waerniella Kylin

Waerniella lucifuga (Kuckuck) Kylin

Lithodermataceae

Petroderma Kuckuck

Petroderma maculiforme (Wollny) Kuckuck

Pseudolithoderma Svedelius

Pseudolithoderma extensum (P Crouan et H Crouan) S Lund

Symphycarpus Rosenvinge

Symphycarpus strangulans Rosenvinge - Known only from Galway; see Fletcher (1987, p. 92)

Sorocarpaceae

Sorocarpus N Pringsheim

Sorocarpus micromorus (Bory) P C Silva

Myrionemataceae

Compsonema Kuckuck

Compsonema microspogium (Batters) Kuckuck

Microspogium Reinke

Microspogium globosum Reinke - Includes *Myrionema polycladum*; see Fletcher (1987).

Myrionema Greville

Myrionema coronnae Sauvageau

Myrionema magnusii (Sauvageau) Loiseaux

Myrionema strangulans Greville

Protectocarpus Kuckuck

Protectocarpus speciosus (Børgesen) Kuckuck

Ulonema Foslie

Ulonema rhizophorum Foslie

Elachistaceae

Elachista Duby

Elachista flaccida (Dillwyn) Areschoug

Elachista fucicola (Vellely) Areschoug - Includes *Elachista globosa*; see Fletcher (1987).

Elachista scutulata (J E Smith) Duby

DICTYOSIPHONALES

Myriotrichiaceae

Leblondiella Hamel

Leblondiella densa (Batters) Hamel

Litosiphon Harvey

Litosiphon laminariae (Lyngbye) Harvey - Includes *Litosiphon pusillus*; see Fletcher (1987).

Myriotrichia Harvey

Myriotrichia clavaeformis Harvey

Striariaceae

Isthmoplea Kjellman

Isthmoplea sphaerophora (Carmichael ex Harvey) Kjellman

Stictyosiphon Kützing

Stictyosiphon griffithsianus (Le Jolis) Holmes et Batters

Stictyosiphon soriferus (Reinke) Rosenvinge

Stictyosiphon tortilis (Ruprecht) Reinke

Striaria Greville

Striaria attenuata (Greville) Greville

Giraudiaceae

Giraudia Derbès et Solier

Giraudia sphacelarioides Derbès et Solier

Punctariaceae

Asperococcus Lamouroux

Asperococcus compressus Griffiths ex W J Hooker

Asperococcus fistulosus (Hudson) W J Hooker

Asperococcus turneri (J E Smith) W J Hooker

Chilionema Sauvageau

Chilionema foecundum (Strömfelt) Fletcher - Formerly Hecatonema foecundum; see Fletcher -1987

Chilionema ocellatum (Kützing) Kuckuck

Chilionema reptans (P Crouan et H Crouan) Sauvageau

Hecatonema Sauvageau

Hecatonema maculans (F Collins) Sauvageau

Punctaria Greville

Punctaria latifolia Greville

Punctaria plantaginea (Roth) Greville

Punctaria tenuissima (C Agardh) Greville - Includes *Desmotrichum undulatum*; see Fletcher (1987).

Pogotrichaceae

Pogotrichum Reinke

Pogotrichum filiforme Reinke

Dictyosiphonaceae

Dictyosiphon Greville

Dictyosiphon chordaria Areschoug - Known only from recent, and dubious, records from Cos Down and Antrim; see Morton (1994, p. 42)

Dictyosiphon foeniculaceus (Hudson) Greville

Scytosiphonaceae

Colpomenia (Endlicher) Derbès et Solier

Colpomenia peregrina (Sauvageau) Hamel - A recent arrival in Ireland, probably from the Pacific. First reported in Stranford Lough in 1934

Petalonia Derbès et Solier

Petalonia fascia (O F Müller) Kuntze

Petalonia filiformis (Batters) Kützing - Only known from Co. Down in Ireland (Morton 1994, p. 42). Otherwise confined in the British Isles to eastern and south-eastern shores (Fletcher 1987, p. 236), so the Irish record is very dubious.

Petalonia zosterifolia (Reinke) Kuntze - Very few records from Ireland (Guiry 1978; Morton 1994).

Ralfsia Berkeley

Ralfsia verrucosa (Areschoug) J Agardh

Scytosiphon C Agardh

Scytosiphon lomentaria (Lyngbye) Link

Stragularia Strömfelt

Stragularia clavata (Harvey) Hamel - Includes *Ralfsia disciformis* P Crouan et H Crouan and *R. clavata*.

CHORDARIALES

Corynophlaeaceae

Corynophlaea Kützing

Corynophlaea crispa (Harvey) Kuckuck

Cylindrocarpus P Crouan et H Crouan

Cylindrocarpus microscopicus P Crouan et H Crouan - See Fletcher (1987).

Leathesia S F Gray

Leathesia difformis (Linnaeus) Areschoug

Microcoryne Strömfelt

Microcoryne ocellata Strömfelt

Myriactula Kuntze

Myriactula areschougii (P Crouan et H Crouan) Hamel

Myriactula clandestina (P Crouan et H Crouan) J Feldmann

Myriactula haydenii (Gatty) Levring

Myriactula rivulariae (Suhr) J Feldmann

Myriactula stellulata (Harvey) Levring

Petrospongium Nägeli

Petrospongium berkeleyi (Greville) Nägeli - Formerly *Cylindrocarpus berkeleyi*.

Spermatochneaceae

Spermatochneus Kützing

Spermatochneus paradoxus (Roth) Kützing

Stilophora J Agardh

Stilophora rhizodes (Turner) J Agardh

Stilopsis Kuckuck

Stilopsis lejolisii (Thuret) Kuckuck

Acrotrichaceae

Acrothrix Kylin

Acrothrix gracilis Kylin

Chordariaceae

Chordaria C Agardh

Chordaria flagelliformis (O F Müller) C Agardh

Cladosiphon Kützing

Cladosiphon contortus (Thuret) Kylin

Cladosiphon zosterae (J Agardh) Kylin

Eudesme J Agardh

Eudesme virescens (Carmichael ex Harvey) J Agardh

Mesogloia J Agardh

Mesogloia lanosa P Crouan et H Crouan

Mesogloia vermiculata (J E Smith) S F Gray

Sauvageaugloia Hamel ex Kylin

Sauvageaugloia griffithsiana (Greville ex Harvey) Hamel ex Kylin

Sphaerotrichia Kylin

Sphaerotrichia divaricata (C Agardh) Kylin

CUTLERIALES

Cutleriaceae

Cutleria Greville

Cutleria multifida (J E Smith) Greville

Zanardinia Nardo ex P Crouan et H Crouan

Zanardinia prototypus Nardo

TILOPTERIDALES

Tilopteridaceae

Haplospora Kjellman

Haplospora globosa Kjellman

Tilopteris Kützing

Tilopteris mertensii (Turner) Kützing

SPHACELARIALES

Sphacelariaceae

Sphacelaria Lyngbye

Sphacelaria caespitula Lyngbye - Only one doubtful report from Co. Waterford
(Prud'homme van Reine 1982, p. 85)

Sphacelaria cirrosa (Roth) C Agardh

Sphacelaria fusca (Hudson) S F Gray
Sphacelaria nana Nägeli ex Kützing
Sphacelaria plumigera Holmes
Sphacelaria plumosa Lyngbye
Sphacelaria plumula Zanardini
Sphacelaria radicans (Dillwyn) C Agardh
Sphacelaria rigidula Kützing

Stypocaulaceae

Halopteris Kützing
Halopteris filicina (Grateloup) Kützing
Halopteris scoparia (Linnaeus) Sauvageau

Cladostephaceae

Cladostephus C Agardh
Cladostephus spongiosus (Hudson) C Agardh

DICTYOTALES

Dictyotaceae

Dictyopteris Lamouroux
Dictyopteris membranacea (Stackhouse) Batters
Dictyota Lamouroux - Includes Dilophus; see Hörnig et al. (1992).
Dictyota dichotoma (Hudson) Lamouroux
Dictyota spiralis Montagne - Formerly Dilophus spiralis.
Padina Adanson
Padina pavonia (Linnaeus) Lamouroux - Only known from a single specimen found at the mouth of Cork Harbour.
Taonia J Agardh
Taonia atomaria (Woodward) J Agardh

SPOROCHNALES

Sporochnaceae

Carpomitra Kützing
Carpomitra costata (Stackhouse) Batters
Sporochnus C Agardh
Sporochnus pedunculatus (Hudson) C Agardh

DESMARESTIALES

Desmarestiaceae

Desmarestia Lamouroux
Desmarestia aculeata (Linnaeus) Lamouroux
Desmarestia dresnayi Lamouroux ex Leman
Desmarestia ligulata (Lightfoot) Lamouroux
Desmarestia viridis (O F Müller) Lamouroux

Arthrocladiaceae

Arthrocladia Duby
Arthrocladia villosa (Hudson) Duby

LAMINARIALES

Chordaceae - Ordinal position requires investigation.

Chorda Stackhouse
Chorda filum (Linnaeus) Stackhouse
Chorda tomentosa Lyngbye

Laminariaceae

Laminaria Lamouroux
Laminaria digitata (Hudson) Lamouroux
Laminaria hyperborea (Gunnerus) Foslie
Laminaria longicuris De la Pylaie - See Morton (1994, p. 43).
Laminaria saccharina (Linnaeus) Lamouroux

Phyllariaceae

Saccorhiza De la Pylaie

Saccorhiza polyschides (Lightfoot) Batters

Alariaceae

Alaria Greville

Alaria esculenta (Linnaeus) Greville

FUCALES**Fucaceae**

Ascophyllum Stackhouse

Ascophyllum nodosum (Linnaeus) Le Jolis

Fucus Linnaeus

Fucus ceranoides Linnaeus

Fucus distichus Linnaeus

Fucus cottonii M Wynne et Magne - Formerly *Fucus muscoides*; see Wynne & Magne (1991).

Fucus serratus Linnaeus

Fucus spiralis Linnaeus

Fucus vesiculosus Linnaeus

Pelvetia Decaisne et Thuret

Pelvetia canaliculata (Linnaeus) Decaisne et Thuret

Himanthaliaceae

Himanthalia Lyngbye

Himanthalia elongata (Linnaeus) S F Gray

Sargassaceae

Sargassum Agardh

Sargassum muticum (Yendo) Fensholt - Introduced species found recently in Strangford Lough, north-eastern Ireland (Boaden, 1996).

Cystoseiraceae

Bifurcaria Stackhouse

Bifurcaria bifurcata R Ross

Cystoseira Agardh

Cystoseira baccata (S G Gmelin) P C Silva

Cystoseira foeniculacea (Linnaeus) Greville

Cystoseira nodicaulis (Withering) M Roberts

Cystoseira tamariscifolia (Hudson) Papenfuss

Halidrys Lyngbye

Halidrys siliquosa (Linnaeus) Lyngbye