

PRELIMINARY CHECK-LIST OF RED, BROWN and GREEN ALGAE FROM THE  
AEGEAN SEA

based on published and unpublished records  
(unconfirmed records are queried)

**RHODOPHYTA** Wettstein  
(RHODOPHYCEAE Rabenhorst)  
BANGIOPHYCIDAE Engler

PORPHYRIDIALES Skuja  
PORPHYRIDIACEAE Skuja

CHROODACTYLON Hansgirg

*C. ornatum* (C. Agardh) Basson

STYLONEMA Reinsch

*S. alsidii* (Zanardini) Drew

*S. cornu-cervi* Reinsch

ERYTHROPELTALES Garbary, Hansen & Scagel  
ERYTHROTRICHIACEAE Smith

ERYTHROCLADIA Rosenvinge

*E. irregularis* Rosenvinge

ERYTHROTRICHIA Areschoug

*E. carnea* (Dillwyn) J. Agardh

*E. investians* (Zanardini) Bornet

*E. welwitschii* (Ruprecht) Batters

? POPHYROSTROMIUM Trevisan

? *P. ciliare* (Carmichael) Wynne

NOTE: Reported from Saronikos Gulf (Tsiamis & al. 2010, f.30-32) with a 60 µm base,  
similar to Berthold's illustration of *Erythrotrichia ciliaris* from Neapoli (= *E. bertholdii*)

SAHLINGIA Kornmann

*S. subintegra* (Rosenvinge) Kornmann

BANGIALES Nägeli  
BANGIACEAE Engler

BANGIA Lyngbye

*B. fuscopurpurea* (Dillwyn) Lyngbye

NOTE: *B. atropurpurea* (Roth) C. Agardh apparently pertains to fresh water populations

PORPHYRACEAE Kützing

PORPHYRA C. Agardh

*P. leucosticta* Thuret

? *P. linearis* Greville

NOTE: Herbarium specimens were examined by Varela-Alvarez (pers.comm.), who questioned the identification.

PYROPIA J. Agardh

*P. elongata* (Kylin) Neefus & Brodie in Sutherland &al. (2011)

[*Porphyra rosengurtii* Coll & Cox (Brodie &al. 2007)]

NOTE: *Porphyra rosengurtii* was reported from Kavala (Brodie &al. 2007) and later considered conspecific with *Porphyra elongata* Kylin from the Swedish west coast (see Sutherland &al. in J.Phycol.47: 1143. 2011).

*P. koreana* (Hwang & Lee) Hwang &al. in Sutherland (2011) (Vergés &al. in Bot.mar.56: 229-240. 2013)

[*P. olivii* Orfanidis, Neefus & Bray in Brodie &al. (2007); type locality: Thessaloniki]

NOTE: Also known from Tergesti and localities in the NW Atlantic; it represents all (?) previous records of *P. leucosticta*

RHODOCHAETALES Skuja

RHODOCHAETACEAE Schmitz

RHODOCHAETE Thuret

*R. parvula* Thuret

FLORIDEOPHYCIDAE Schmitz  
HILDENBRANDIALES Pueschel & Cole  
HILDENBRANDIACEAE Rabenhorst

HILDENBRANDIA Nardo

*H. rubra* (Sommerfelt) Meneghini

CORALLINALES Silva & Johansen  
CORALLINACEAE Lamouroux  
CORALLINOIDEAE  
CORALLINEAE

CORALLINA Linné

? *C. caespitosa* Walker, Brodie & Irvine (in Eur.J.Phycol.45:291.2009)

NOTE: 'Nea Karvali, Greece' cited on fig.2, p. 291

*C. officinalis* Linné

*C. elongata* Ellis & Solander

JANIA Lamouroux

*J. adhaerens* Lamouroux

*J. corniculata* (Linné) Lamouroux

*J. longifurca* Zanardini

J. rubens (Linné) Lamouroux

HALIPTILON (Decaisne) Lindley

H. virgatum (Zanardini) Garbary & Johansen  
(*Corallina granifera* Ellis & Solander)

LITHOPHYLLOIDEAE Setchell  
(AMPHIROIDEAE Johansen)  
LITHOPHYLLEAE Zanardini

AMPHIROA Lamouroux

? A. beauvoisii Lamouroux

NOTE: Reported from Smyrna (Babbini & Bressan 1997)

A. rigida Lamouroux

A. rubra (Philippi) Woelkerling  
(A. cryptarthrodia Zanardini)

GONIOLITHON Foslie

G. byssoides (Lamarck) Foslie  
(*Nullipora trochanter* Bory)

NOTE: The basionym is *Nullipora byssoides* Lamarck ('Système des Animaux sans Vertèbres'. 374. 1801). Lamarck described the species as '\**Nullipora byssoides*. n. *Gleba corallina*. *Seba Mus.* 3, t.116, f.7.'. While *Gleba corallina*...is a polynomial, Seba's ('*Locupletissimi rerum naturalium thesauri*...1758', pl.116, f.7) illustration was explicitly based on Mediterranean material (see text of fig. 7) and is sufficient to stand as a description because it shows typical features of this species, aiding identification (Art. 38.7-10; Melbourne Code). Such features are the compact thallus formed by erect, densely branched roundish (and not lamellate) protuberances. This illustration was included in most later accounts of the species (see e.g. Areschoug in Agardh Sp. Alg. II: 522. 1852), and is the unequivocal lectotype of *Goniolithon byssoides*.

G. papillosum (Hauck) Foslie

LITHOPHYLLUM Philippi

L. dentatum (Kützing) Foslie  
[? L. agariciforme (Pallas) Falkenberg]

L. lichenoides (Philippi) Foslie  
[L. tortuosum (Esper) Foslie sensu Lemoine]

L. incrustans Philippi

L. racemus (Lamarck) Foslie

L. stictaeforme (Areschoug) Hauck (Athanasiadis 1999b)  
(L. expansum sensu Lemoine)

? L. subtenellum (Foslie) Foslie

NOTE: The type is apparently representative of *L. orbiculatum* (Foslie) Foslie, while older Mediterranean records can be based on *Hydrolithon samoense* (Foslie) Keats & Chamberlain (Irvine & Chamberlain 1994:127)

## TENAREA Bory

*T. tortuosa* (Esper) Lemoine (Athanasiadis 1995)

## TITANODERMA Nägeli

*T. corallinae* (Crouan frat.) Woelkerling, Chamberlain & Silva

*T. pustulatum* (Lamouroux) Nägeli

*T. cystoseirae* (Hauck) Woelkerling, Chamberlain & Silva (Athanasiadis 1989)

*T. verrucatum* (Lamouroux) Chamberlain

## MASTOPHOROIDEAE Setchell

## MASTOPHOREAE Svedelius

## FOSLIELLA Howe

*F. farinosa* (Lamouroux) Howe

*F. farinosa* f. *callithamnioides* (Foslie) Chamberlain

*F. farinosa* var. *chalicodictya* Taylor (Sartoni & De Biasi 1999, as *Hydrolithon*)

## LITHOPORELLA Foslie

*L. sp.*

NOTE: Two Mediterranean records are known: one from the Gulf of Taranto ('1960...dans un dragage a 60 m') and the other from Egina Island in the South Aegean Sea, collected during the 'croisiere du "Thor" 1908-1910, draguee, prof. 55 m, coll. Paulsen; echantillon unique sacrifie pour l'etude...' Lemoine (1973:44)

## NEOGONIOLITHON Setchell &amp; Mason

*N. notarisii* (Dufour) Hamel & Lemoine (Athanasiadis 1997a)  
[*Spongitis notarisii* (Dufour) Athanasiadis (1987)]

## PNEOPHYLLUM Kützing

*P. confervicola* (Kützing) Chamberlain

*P. fragile* Kützing

*P. caulerpae* (Foslie) Jones & Woelkerling

*P. zonale* (Crouan frat.) Chamberlain

## SPONGITIS Kützing

(*Spongites orth.var.*)

NOTE: After the feminine substantive *σπογγίτις* (of stone or herb; see Liddell & Scott 'Greek-English Lexicon':1628. 1968) - not the masculine substantive *σπογγίτης* [sponge-like (Liddell & Scott l.c.)]. The first etymology is certain because it was later explained by Kützing (in *Phycologia germanica*: 296. 1845, 'Steintang'). Kützing also adopted consistently feminine gender for all species of this genus throughout his publications (see *Phycologia generalis*, *Phycologia germanica*, *Species Algarum*, etc). Hence the orthography of the generic name should be corrected to *Spongitis* (Art. 60.1, 60.2) to avoid confusion with the masculine substantive *Spongites* that is used as an epithet of species names in zoology (e.g. *Cellepora*

spongites Linné, Eschara spongites Pallas, and Millepora spongites Linné

*S. ramulosa* (Philippi) Kützing  
(? *Neogoniolithon mamillosum* Auctorum)

HAPALIDIACEAE J.E.Gray  
CHOREONEMATOIDEAE Woelkerling  
CHOREONEMATEAE Svedelius

CHOREONEMA Schmitz

*C. thuretii* (Bornet) Schmitz

MELOBESIOIDEAE Bizzozero  
MELOBESIEAE Areschoug

LITHOTHAMNION Heydrich

*L. corallioides* (Crouan frat.) Crouan frat.  
[*Lithothamnion* (*Lithophyllum*) *solutum*]

*L. crispatum* Hauck (Basso & al. 2011, Asia Minor)

NOTE: Previous records (as *Lithothamnion* or *Lithophyllum*) from Tenedos, Thasos, Crete are uncertain (Athanasiadis 1987). Basso & al. (l.c.) observed a single embedded multiporate conceptacle in the lectotype having distinctively sunken rosette cells, and they proposed conspecificity with *L. superpositum* Foslie (1900, type locality: Cape of Good Hope). Morre characters need to be compared in these species taking also into consideration the Caribbean *Lithothamnion ruptile* Foslie (Ballantine & al. in *Bot.mar.*54: 295.2011).

? *L. minervae* Basso (1995)  
(*Lithothamnion fruticosum* sensu Hamel & Lemoine)

? *L. sonderi* Hauck

MELOBESIA Lamouroux

*M. membranacea* (Esper) Lamouroux

MESOPHYLLUM Lemoine

*M. expansum* (Philippi) Cabioch & Mendoza (Athanasiadis & Neto 2010)

? *M. lichenoides* (Ellis) Lemoine

*M. macedonis* Athanasiadis (1999a)

? *M. philippii* (Foslie) Adey  
(*Lithothamnion philippii* Foslie)

PHYMATOLITHEAE Adey & Johansen

PHYMATOLITHON Foslie

*P. calcareum* (Pallas) Adey & McKibbin

*P. lenormandii* (Areschoug) Adey

ACROCHAETIALES J. Feldmann  
ACROCHAETIACEAE Taylor

ACROCHAETIUM Nägeli

*Acrochaetium crassipes* (Børgesen) Børgesen  
[*Audouinella crassipes* (Børgesen) Garbary]

*A. mediterraneum* (Levring) Athanasiadis (2003:106)  
[*Audouinella mediterranea* (Levring) Ballesteros]

*Acrochaetium molinieri* Coppejans & Boudouresque  
[*Audouinella molinieri* (Coppejans & Boudouresque) Garbary]

*A. moniliforme* (Rosenvinge) Børgesen  
[*Audouinella humile* (Rosenvinge) Garbary]

*A. secundatum* (Lyngbye) Nägeli

COLACONEMA Batters

*C. daviesii* (Dillwyn) Stegenga  
[*Audouinella daviesii* (Dillwyn) Woelkerling]

RHODOCHORTON Nägeli

*R. purpureum* (Lightfoot) Rosenvinge

NEMALIALES Schmitz  
GALAXAURACEAE Parkinson

SCINAIA Bivona-Bernardi

*S. furcellata* (Turner) J. Agardh

TRICLEOCARPA Huisman & Borowitzka (1990)

*T. fragilis* (Linné) Huisman & Townsend (1993)  
[*Galaxaura oblongata* (Ellis & Solander) Lamouroux]

LIAGORACEAE Kützing

GANONEMA Fan & Wang

*G. farinosum* (Lamouroux) Fan & Wang  
(*Cladostephus dubium* Bory)

NOTE: Collected near Georgiopolis, North Crete, in the upper sublittoral (Stockholm's Hoglandsskola, klass N3, excursion in Sept. 2003; material in GB). Hamel (1931) reported that *C. dubium* Bory (type locality: Methana) was representative of this species and also found a second specimen at PC collected at Rhodes in July 1894 by Nemetz and determined as *Liagora ceranoides* by Reinbold

LIAGORA Lamouroux

*L. distenta* (Mertens) Lamouroux

*L. viscida* (Forsskål) C. Agardh

NEMALION Duby

N. helminthoides (Velley) Batters

CERAMIALES Naegel  
 CERAMIINEAE ined.  
 DELESSERIOPSIDEAE Itono & Tanaka

BALLIELLA Itono & Tanaka

B. cladoderma (Zanardini) Athanasiadis (1987)

CERAMIACEAE Dumortier  
 CALLITHAMNIOIDEAE Itono  
 PTILOTEAE Cramer

GYMNOTHAMNION J. Agardh

G. elegans (C. Agardh) J. Agardh

SPERMOTHAMNIEAE Schmitz & Hauptfleisch

LEJOLISIA Bornet

L. mediterranea Bornet

PTILOTHAMNION Thuret

P. pluma (Dillwyn) Thuret

SPERMOTHAMNION Areschoug

S. flabellatum Bornet

S. repens (Dillwyn) Rosenvinge

COMPSOTHAMNIEAE Schmitz & Hauptfleisch

COMPSOTHAMNION (Nägeli) Schmitz

C. thyoides (Smith & Sowerby) Nägeli

NOTE: The originally spelling was thuioides - after  $\theta\upsilon\iota\alpha$  or  $\theta\upsilon\alpha$ , the odorous cedar *Juniperus foetidissima* (Theophrastus, H.P.1.9.3, 4.1 - Liddell & Scott in Greek-English Lexicon: 808. 1985). It was later corrected to thujoides by S.F. Gray (Nat. Arr. Br. Plants. 323. 1821), after the genus *Thuja* Linné. Agardh (Syn. Alg.Scand. xxvii. 1817) changed the spelling to thuyoides - possibly adopting French orthography. The latinization of the above two words is thya or thya (Lewis & Short A Latin Dict.: 1869. 1984) and hence the correct orthography should be thyoides (or thyioides)

PLEONOSPORIUM Nägeli

P. borrieri (Smith & Sowerby) Nägeli

CALLITHAMNIEAE Schmitz & Hauptfleisch

AGLAOTHAMNION Feldmann-Mazoyer

A. cordatum (Børgesen) Feldmann-Mazoyer  
 (Callithamnion cordatum Børgesen)

*A. hookeri* (Dillwyn) Maggs & Hommersand  
[*Callithamnion hookeri* (Dillwyn) S. F. Gray]

*A. tenuissimum* (Bonnemaison) Feldmann-Mazoyer  
(*Callithamnion byssoides* Harvey)

*A. tripinnatum* (C. Agardh) Feldmann-Mazoyer  
(*Callithamnion decompositum* sensu Athanasiadis 1987)

CALLITHAMNION Lyngbye

*C. corymbosum* (Smith & Sowerby) Lyngbye

? *C. tetragonum* (Withering) S. F. Gray

? *C. granulatum* (Ducluzeau) C. Agardh

SEIROSPORA Harvey

*S. interrupta* (Smith & Sowerby) Schmitz

*S. sp.*

CERAMIOIDEAE De Toni  
PTEROTHAMNIEAE Athanasiadis

PTEROTHAMNION Nägeli

*P. crispum* (Ducluzeau) Nägeli

DOHRNIELEAE Feldmann-Mazoyer

ANTITHAMNIONELLA Lyle

*A. elegans* (Berthold) Price & John

NOTE: Recorded from Saronikos & Thermaikos Gulfs, and probably representing a recent introduction (Tsiamis & al. 2011)

CALLITHAMNIELLA Feldmann-Mazoyer

*C. tingitana* (Bornet) Feldmann-Mazoyer

ANTITHAMNIEAE Hommersand

ANTITHAMNION Nägeli

*A. cruciatum* (C. Agardh) Nägeli

*A. decipiens* (J. Agardh) Athanasiadis (1996)  
(*A. ogdeniae* Abbott)

*A. heterocladum* Funk

*A. tenuissimum* (Hauck) Schiffner

CERAMIEAE Duby

CENTROCERAS Kützing



*C. gasparrinii* (Menghini) Kützing  
NOTE: Saronikos Gulf (Tsiamis & al. 2010)

*C. sp.*  
[*C. clavulatum* (C. Agardh) Montagne sensu lato]  
NOTE: Won & al. (in *J. Phycol.* 45:227-250. 2009) reported *C. clavulatum* to be restricted to the Southern Hemisphere and that at least 2 other species of *Centroceras* (*C. gasparrinii* (Meneghini) Kützing & *C. micracanthum* Kützing) occur in the Mediterranean

#### CERAMIUM Roth

*C. bertholdii* Funk

*C. bisporum* Ballantine  
(*C. codii* sensu Athanasiadis 1987, p.p.)  
NOTE: Observed on *Peyssonnelia rubra* collected in 1980 at Achlada (Sithonia) and included within the wide concept of *Ceramium codii* (Athanasiadis 1987). This is the first record of the species that was originally described in 1990 (based on Caribbean collections made in 1987) and later reported in the western Mediterranean (see Sartoni & Boddi 2002)

*C. ciliatum* (Ellis) Ducluzeau

*C. circinatum* (Kützing) J. Agardh

*C. codii* (Richards) Mazoyer

? *C. diaphanum* (Lightfoot) Roth

*C. echionotum* J. Agardh

? *C. elegans* (Roth) Ducluzeau

*C. flaccidum* (Kützing) Ardissonne

*C. graecum* Lazaridou & Boudouresque (1992)  
NOTE: Also observed in the harbour of Porto-Kufo, in the North Aegean, suggesting that the species is not indigenous in the Mediterranean Sea (unpubl. data, material in GB)

? *C. rubrum* Auctorum

? *C. tenuicorne* (Kützing) Waern  
(*C. strictum* sensu Harvey)

? *C. tenuissimum* (Roth) Areschoug

#### CORALLOPHILA Weber-van Bosse

*C. cinnabarina* (Bory) R. Norris  
[*Ceramium cinnabarinum* (J. Agardh) Hauck, *Centroceras pignattii* Giaccone]

#### SPYRIDIEAE Schmitz & Hauptfleisch

##### SPYRIDIA Harvey

*S. filamentosa* (Wulfen) Harvey

#### CROUANIEAE Schmitz & Hauptfleisch

*CROUANIA* J. Agardh

*C. attenuata* (C. Agardh) J. Agardh

*C. francescoi* Cormaci, Furnari & Scammacca  
(*C. francisci*, orth. variant)

GULSONIA Harvey

*G. nodulosa* (Ercegovic) J. Feldmann & G. Feldmann

? PSEUDOCROUANIA Funk

? *P. ischiana* Funk

WRANGELIEAE Schmitz & Hauptfleisch

WRANGELIA C. Agardh

*W. penicillata* (C. Agardh) C. Agardh

GRIFFITHSIEAE Schmitz & Hauptfleisch

ANOTRICHIMUM Nägeli

*A. barbatum* (C. Agardh) Nägeli

*A. furcellatum* (J. Agardh) Baldock

*A. tenue* (C. Agardh) Nägeli

GRIFFITHSIA C. Agardh

*G. opuntioides* J. Agardh

*G. phyllamphora* J. Agardh

MONOSPORUS Solier

*M. pedicellatus* (Smith & Sowerby) Solier

VICKERSIA Karsakoff

*V. baccata* (J. Agardh) Karsakoff

NOTE: Saronikos Gulf (Tsiamis & al. 2011)

SPHONDYLOTHAMNIEAE Feldmann-Mazoyer

SPHONDYLOTHAMNION Nägeli

*S. multifidum* (Hudson) Nägeli

DASYACEAE Kützing

DASYA C. Agardh

*D. baillouviana* (Gmelin) Montagne

*D. corymbifera* J. Agardh

*D. hutchinsiae* Harvey

*D. ocellata* (Grateloup) Harvey

*D. punicea* Meneghini

EYPOGODON Kützing (Silva & al. 1987)  
[*Dasyopsis* (Montagne) Montagne]

*E. planus* (C. Agardh) Kützing  
[*D. plana* (C. Agardh) Zanardini]

*E. spinellus* (C. Agardh) Kützing  
[*D. spinella* (C. Agardh) Zanardini]

HALYDICTYON Zanardini

(Halodictyon, Halidictyon, orth. variants)

NOTE: The original orthography Halydictyon was corrected to Halodictyon by Montagne, Halidictyon by Nägeli and Halodictyon by De Toni. Since, compound words based on the Greek  $\alpha\lambda\varsigma$  (genitive  $\alpha\lambda-\omicron\varsigma$ , of the sea) may be spelled  $\alpha\lambda\omicron$ ,  $\alpha\lambda\iota$ , or  $\alpha\lambda\nu$ , the original spelling should be maintained. Compare to Halichrysis Schmitz, Haloplegma Montagne, Halopitys, Halosiphon, Halymenia and Halidrys

*H. mirabile* Zanardini

HETEROSIPHONIA Montagne

*H. crispella* (C. Agardh) Wynne

DELESSERIACEAE Bory

ACROSORIUM Kützing

*A. venulosum* (Zanardini) Kylin

APOGLOSSUM J. Agardh

*A. ruscifolium* (Turner) J. Agardh

DRACHIELLA Ernst & J. Feldmann

*D. minuta* (Kylin) Maggs & Hommersand (1993)  
(*Myriogramme minuta* Kylin)

ERYTHROGLOSSUM J. Agardh

*E. sandrianum* (Kützing) Kylin

HYPOGLOSSUM Kützing

*H. hypoglossoides* (Stackhouse) Collins & Hervey

MYRIOGRAMME Kylin

*M. distromatica* Boudouresque

NITOPHYLLUM Greville

? *N. confervaceum* Meneghini

*N. punctatum* (Stackhouse) Greville

RADICILINGUA Papenfuss

*R. reptans* (Kylin) Papenfuss

*R. thysanorhizans* (Holmes) Papenfuss

NOTE: Saronikos Gulf (Tsiamis & al. 2010)

SARCOMENIACEAE Womersley

SARCOMENIEAE J. Agardh

COTTONIELLA Børgesen

*C. filamentosa* var. *algeriensis* (Schotter) Cormaci & Furnari

NOTE: Rhodes (Tsiamis & al. 2011)

RHODOMELACEAE Areschoug

AMANSIEAE Schmitz

HALOPITYS Kützing

NOTE: After *αλς* (genitive *αλ-ος*, of the sea) and the feminine substantive *πιτυς* (pine); 'Seekiefer' (Kützing in *Phycologia germanica*: 331. 1845). Hence the correct orthography is *Halopitys* (De Toni *Syl.Alg.IV.sect.III*: 1080. 1903; Preda *Fl.Italica Crypt.*: 190. 1909)

*H. incurva* (Hudson) Batters

(*H. incurvus*, orth. variant)

OSMUNDARIA Lamouroux

*O. volubilis* (Linné) R. Norris (1991)

(*Vidalia volubilis* (Linné) J. Agardh)

RYTIPHLOEA C. Agardh

(*Rytiphlaea*, orth. variant)

NOTE: The second compound after the masculine word *φλοιος* (cortex), apparently latinized with feminine gender. Hence the correct orthography should be *Rytiphloea* (Kützing *Phycologia germanica*: 334. 185; De Toni *Syl.Alg.IV.sect.III*: 1093. 1903).

*R. tinctoria* (Clemente) C. Agardh

BRONGNIARTELLEAE Parsons

BRONGNIARTELLA Bory

*B. byssoides* (Goodenough & Woodward) Schmitz

CHONDRIEAE J. Agardh

ACANTHOPHORA Lamouroux

*A. nayadiformis* (Delile) Papenfuss

CHONDRIA C. Agardh

*C. capillaris* (Hudson) Wynne (1991)

[*C. tenuissima* (Withering) C. Agardh]

*C. coerulescens* (J. Agardh) Falkenberg

? *C. collinsiana* Howe

*C. dasyphylla* (Woodward) C. Agardh

*C. mairei* Feldmann-Mazoyer (Aysel 1983)

? *C. polyrhiza* Collins & Hervey

#### LAURENCIEAE Schmitz

##### PALISADA Nam

*Palisada perforata* (Bory ex Montagne) Nam (2007)

[*C. papillosus* (C. Agardh) Garbary & Harper, *Laurencia papillosa* (C. Agardh) Greville]

*Palisada tenerrima* (Cremades) Serio &al. (2010:14)

[*Chondrophycus tenerrimus* (Cremades) Furnari, Boisset, Cormaci & Serio (2002)]

*Palisada thyoides* (Kützing) Cassano, Senties, Gil-Rodriguez & Fujii in Cassano &al. (2009:95)

[*Chondrophycus thyoides* (Kützing) Furnari (Furnari &al. 2001), *C. paniculatus* Furnari  
*Laurencia paniculata* (C. Agardh) J. Agardh]

##### ERYTHROCYSTIS J. Agardh

*E. montagnei* (Derbes & Solier) Silva

##### LAURENCIA Lamouroux

*L. caduciramulosa* Masuda & Kawaguchi

NOTE: Recorded from Rhodes and Saronikos (Tsiamis &al. 2011)

? *L. microcladia* Kützing

*L. obtusa* (Hudson) Lamouroux

*L. pyramidalis* Kützing

[*L. obtusa* (Hudson) Lamouroux var. *crucifera* Hauck]

##### OSMUNDEA Stackhouse

*O. truncata* (Kützing) Nam & Maggs (Nam, Maggs & Garbary 1994)  
(*Laurencia* sp. sensu Athanasiadis 1987)

*O. pelagosae* (Schiffner) Nam  
(*Rodriguezella pelagosae* Schiffner)

##### RODRIGUEZELLA Schmitz

*R. ligulata* *nomen*

NOTE: Kalogeroi islet (Tsiamis &al. 2010)

#### POLYSIPHONIEAE Schmitz & Falkenberg

##### ALSIDIUM C. Agardh

*A. corallinum* C. Agardh

A. helminthochortos (Schwendimann) Kützing

BOERGESENIELLA Kylin

Boergeseniella fruticulosa (Wulfen) Kylin  
[P. fruticulosa (Wulfen) Sprengel]

DIGENEA C. Agardh

D. simplex (Wulfen) C. Agardh

HERPOSIPHONIA Nägeli

H. secunda (C. Agardh) Ambronn

H. tenella (C. Agardh) Ambronn

LOPHOCLADIA (J. Agardh) Schmitz

? L. lallemandii (Montagne) Schmitz

? L. trichocladus (C. Agardh) Schmitz

LOPHOSIPHONIA Falkenberg

L. cristata Falkenberg

L. obscura (C. Agardh) Falkenberg  
[L. subadunca (Kützing) Falkenberg]

L. reptabunda (Suhr) Kylin

Lophosiphonia scopulorum (Harvey) Womersley  
(P. scopulorum Harvey)

NEOSIPHONIA Kim & Lee

Neosiphonia sphaerocarpa (Børgesen) Kim & Lee.  
[Polysiphonia sphaerocarpa Børgesen (Cormaci & al. 2004:171)]

OPHIOCLADUS Falkenberg

(Ophidocladus, *orth.var.*)

NOTE: Originally spelled *Ophidocladus*, but the first word is the masculine οφίς (serpent, genitive οφε-ος), and hence the correct orthography should be *Ophiocladus*.

O. simpliciusculus (Croaun *frat.* ex J. Agardh) Falkenberg

NOTE: Recorded from Andros Island (Tsiamis & al. 2010)

POLYSIPHONIA Greville

? P. biformis Zanardini

NOTE: *Dasya corallicola* Funk was reported from islands of the S. Archipelagus by Giaccone in 1968 (see Athanasiadis 1987). Following Feldmann, Funk (1961) considered this species a synonym of *Polysiphonia biformis* Zanardini

P. breviarticulata (C. Agardh) Zanardini

*P. brodiei* (Dillwyn) Sprengel

*P. denudata* (Dillwyn) Greville

*P. elongata* (Hudson) Sprengel

*P. funebris* J. Agardh

NOTE: Recorded from Rhodes and Saronikos Gulf (Tsiamis & al. 2011)

*P. furcellata* (C. Agardh) Harvey

*P. opaca* (C. Agardh) Moris & De Notaris

*P. ornata* J. Agardh

? *P. sanguinea* (C. Agardh) Zanardini

*P. sertularioides* (Grateloup) J. Agardh

*P. subulifera* (C. Agardh) Harvey

*P. tenerrima* Kützing

*P. cf. tripinnata* J. Agardh

WOMERSLEYELLA Hollenberg

*W. setacea* (Hollenberg) R. Norris (Athanasiadis 1997b)

#### POLYZONIEAE Schmitz

DIPTEROSIPHONIA Schmitz & Falkenberg

*D. rigens* (C. Agardh) Falkenberg

#### PTEROSIPHONIEAE Falkenberg

PTEROSIPHONIA Falkenberg

? *P. complanata* (Clemente) Falkenberg

? *P. parasitica* (Hudson) Falkenberg

? *P. pennata* (C. Agardh) Sauvageau

#### BONNEMAISONIALES J. Feldmann & Feldmann-Mazoyer

#### BONNEMAISONIACEAE Schmitz

ASPARAGOPSIS Montagne

? *A. armata* Harvey

[*Falkenbergia cf. rufolanosa* (Harvey) Schmitz]

NOTE: The record is only based on the sporophyte stage.

*A. taxiformis* (Delile) Trevisan

NOTE: First recorded in 1992 from Cape Drepanon in the North Aegean (Athanasidis 1997b: 475, as '*A. armata*'; 1999a:250, as *Asparagopsis gametophytes*)

BONNEMAISONIA C. Agardh

*B. asparagoides* (Woodward) C. Agardh

*B. clavata* Hamel

GELIDIALES Kylin  
GELIDIACEAE Kützing

BECKERELLA Kylin

*B. mediterranea* Huve

[*Ptilophora mediterranea* (Huve) R. Norris (1987)]

GELIDIUM Lamouroux

*G. minusculum* (Weber-van Bosse) R. Norris

(*G. pusillum* var. *minusculum* Weber van Bosse; Giaccone 1968)

*G. pusillum* (Stackhouse) Le Jolis

*G. spinosum* (Gmelin) Silva (Silva & al. 1996)

[*G. latifolium* (Greville) Bornet]

PTEROCLADIELLA Santelices & Hommersand

*P. capillacea* (Gmelin) Santelices & Hommersand (1997)

[*P. capillacea* (Gmelin) Bornet]

*P. melanoidea* (Bornet) Santelices & Hommersand (1997)

(*Gelidium melanoideum* Bornet)

GELIDIELLACEAE Fan

GELIDIELLA J. Feldmann & Hamel

*G. antipae* Celan

(*G. antipai*, orth. variant)

*G. lubrica* (Kützing) J. Feldmann & Hamel

*G. nigrescens* (J. Feldmann) J. Feldmann & Hamel (Dural & al. 1997)

*G. tenuissima* J. Feldmann & Hamel (Santelices & Rico 2002)

[*G. pannosa* (J. Feldmann) J. Feldmann & Hamel]

GIGARTINALES Schmitz  
CALOSIPHONIACEAE Kylin

CALOSIPHONIA Crouan frat.

*C. vermicularis* (J. Agardh) Schmitz

SCHMITZIA Lagerheim

*S. neapolitana* (Berthold) Lagerheim

CAULACANTHACEAE Kützing

CAULACANTHUS Kützing



*C. ustulatus* (Turner) Kützing

CRUORACEAE (J. Agardh) Kylin

CRUORIA Fries

*C. cruoriaeformis* (Crouan frat.) Denizot

CYSTOCLONIACEAE Kützing

RHODOPHYLLIS Kützing

*R. divaricata* (Stackhouse) Papenfuss

DUDRESNAYACEAE J. Agardh

ACROSYMPHYTON Sjoestedt

*A. purpuriferum* (J. Agardh) Sjoestedt

DUDRESNAYA Crouan frat.

*D. verticillata* (Withering) Le Jolis

FURCELLARIACEAE Greville

FURCELLARIEAE Fries

HALARACHNION Kützing

*H. ligulatum* (Woodward) Kützing

NEUROCAULON Kützing

*N. foliosum* (Meneghini) Kützing

GIGARTINACEAE Bory

CHONDRACANTHUS Kützing (Hommersand & al. 1993)

? *C. acicularis* (Roth) Fredericq  
[*Gigartina acicularis* (Roth) Lamouroux]

*C. teedei* (Mertens in Roth) Kützing  
[*Gigartina teedei* (Mertens in Roth) Lamouroux]

GLOIOSIPHONIACEAE Schmitz

THURETELLA Schmitz

*T. schousboei* (Thuret) Schmitz

HYPNEACEAE J. Agardh

HYPNEA Lamouroux

*Hypnea anastomosans* Papenfuss, Lipkin & Silva in Lipkin & Silva (2002)  
(*H. esperi* Bory)

NOTE: Recorded from Saronikos Gulf and Rhodes (Tsiamis & Verlaque 2011)

? *H. cervicornis* J. Agardh

NOTE: *Hypnea cervicornis* is currently considered to be a synonym of *H. spinella* (C. Agardh) Kützing

*H. musciformis* (Wulfen) Lamouroux

*H. valentiae* (Turner) Montagne

NOTE: The original record from Rhodes by Reinbold in 1898 has been questioned (Tsiamis & Verlaque 2011), and is currently referred to *H. cornuta* (not previously recorded in the Aegean). *Hypnea valentiae* was recently reported from Rhodes Port (just outside the Aegean) by Tsiamis & Verlaque (l.c.)

#### KALLYMENIACEAE (J. Agardh) Funk

#### KALLYMENIEAE J. Agardh

KALLYMENIA J. Agardh

*K. feldmanii* Rodriguez-Prieto & Hommersand (2009)

NOTE: Collected in Sithonia by A. Manghisi (unpublished data)

*K. lacerata* J. Feldmann

? *K. reniformis* (Turner) J. Agardh

*K. requienii* (J. Agardh) J. Agardh (Cirik 1991)

MEREDITHIA J. Agardh

*M. microphylla* (J. Agardh) J. Agardh

(*Kallymenia microphylla* J. Agardh)

#### PEYSSONNELIACEAE Denizot

CRUORIELLA Crouan frat.

*C. armorica* Crouan frat.

HAEMATOCCELIS J. Agardh

*H. sp.*

METAPEYSSONNELIA Boudouresque, Coppejans & Marcot

*M. feldmannii* Boudouresque, Coppejans & Marcot

PEYSSONNELIA Decaisne

*P. bornetii* Boudouresque & Denizot

*P. coriacea* J. Feldmann

NOTE: Recorded from Rhodes port just outside the proper Aegean Sea (Tsiamis & al. 2010)

*P. crispata* Boudouresque & Denizot

*P. dubyi* Crouan frat.

*P. harveyana* J. Agardh

*P. immersa* Maggs & Irvine

*P. polymorpha* (Zanardini) Schmitz

*P. rosa-marina* Boudouresque & Denizot

*P. rubra* (Greville) J. Agardh

*P. stoechas* Boudouresque & Denizot

NOTE: Recorded from Karpathos (Catra & Giardina 2009) and Korinthiakos Gulf (Tsiamis & al. 2010); both sites neighbouring the Aegean

*P. squamaria* (Gmelin) Decaisne

*P. sp.*

(*P. codana* sensu Verlaque)

POLYSTRATA Heydrich

*P. compacta* (Foslie) Denizot ex Athanasiadis (1987)

NOTE: In introducing the new combination, Denizot did not cite page number

#### PHYLLOPHORACEAE Nägeli

GYMNOGONGRUS Martius

*G. griffithsiae* (Turner) Martius

PHYLLOPHORA Greville

*P. nervosa* (DC) Greville

[*P. crispa* Auctorum]

SCHOTTERA Guiry & Hollenberg

*S. nicaeensis* (Duby) Guiry & Hollenberg

#### RHIZOPHYLLIDACEAE Schmitz

CONTARINIA Zanardini

*C. peyssonneliaeformis* Zanardini

RHIZOPHYLLIS Kützing

*R. squamariae* (Meneghini) Kützing

#### SPHAEROCOCCACEAE Dumortier

#### SPHAEROCOCCAEAE J. Agardh

SPHAEROCOCCUS Stackhouse

*S. coronopifolius* Stackhouse

#### WURDEMANNIACEAE Taylor

WURDEMANNIA Harvey

W. miniata (Sprengel) J. Feldmann & Hamel

NEMASTOMATALES Kylin  
NEMASTOMATACEAE Schmitz  
NEMASTOMEAE J. Agardh

NEMASTOMA J. Agardh

N. dichotomum J. Agardh (Athanasiadis 1988)

SCHIZYMENIACEAE Masuda & Guiry

PLATOMA (J. Agardh) Schmitz

P. cyclocolpum (Montagne) Schmitz  
(P. cyclocolpa, orth.variant; Athanasiadis 2000)

PREDAEA De Toni

P. ollivieri J. Feldmann (Athanasiadis 1988)

SCHIZYMENIA J. Agardh

S. dubyi (Duby) J. Agardh

PLOCAMIALES (Kützing) Saunders & Kraft  
PLOCAMIACEAE Kützing

PLOCAMIUM Lamouroux

P. cartilagineum (Linné) Dixon

CRYPTONEMIALES Schmitz  
(HALYMENIALES Saunders & Kraft)  
HALYMENIACEAE Bory

ACRODISCUS Zanardini

A. vidovichii (Meneghini) Zanardini

CRYPTONEMIA J. Agardh

C. lomation (Bertoloni) J. Agardh

? C. tunaeformis (Bertoloni) Zanardini

GRATELOUPIA C. Agardh

G. filicina (Lamouroux) C. Agardh

HALYMENIA C. Agardh

H. elongata C. Agardh

H. floresii (Clemente) C. Agardh  
(H. floresia, orth.variant)

H. latifolia Kützing

## SEBDENIACEAE Kylin

SEBDENIA Berthold

*S. rodrigueziana* (J. Feldmann) Codomier ex Athanasiadis (1987) (Manghisi & Ribera 2007)GRACILARIALES Fredericq & Hommersand  
GRACILARIACEAE Nägeli

GRACILARIA Greville

*G. bursa-pastoris* (Gmelin) Silva*G. corallicola* Zanardini*G. dura* (C. Agardh) J. Agardh? *G. gracilis* (Stackhouse) Steentoft, Irvine & Farnham (1995)  
(*G. verrucosa* Auctorum p.p.)RHODYMENIALES Schmitz  
CHAMPIACEAE Kützing

CHAMPIA Desvaux

*C. parvula* (C. Agardh) Harvey

CHYLOCLADIA Greville

*C. verticillata* (Lightfoot) Bliding

GASTROCLONIUM Kützing

*G. reflexum* (Chauvin) Kützing

## LOMENTARIACEAE J. Agardh

LOMENTARIA Lyngbye

? *L. articulata* (Hudson) Lyngbye*L. chylocladiella* Funk*L. clavellosa* (Turner) Gaillon*L. compressa* (Kützing) Kylin*L. phalligera* J. Agardh 1842  
[*L. linearis* (Zanardini) Zanardini ex Kützing 1849]

## RHODYMENIACEAE Harvey

BOTRYOCLADIA (J. Agardh) Kylin

*B. boergesenii* J. Feldmann*B. botryoides* (Wulfen) J. Feldmann

## CHRYSYMENIA J. Agardh

*C. ventricosa* (Lamouroux) J. Agardh

? FAUCHEA Bory & Montagne

? *F. repens* (C. Agardh) Montagne & Bory

## RHODYMENIA Greville

*R. sp.* (Athanasiadis 1987)

NOTE: Ardissonne (Phycologia Mediterranea: 213. 1883) reported *R. palmetta* (Stackhouse) Greville from Smyrna.

**MELANOPHYCEAE** Rabenhorst  
 (PHAEOPHYCEAE Kjellman)  
 FUCOPHYCIDEAE Areschoug

DISCOSPORANGIALES O.C. Schmidt  
 DISCOSPORANGIACEAE O.C. Schmidt

## DISCOSPORANGIUM Falkenberg

*Discosporangium mesarthrocarpum* (Meneghini) Hauck (Kawai & al. 2007)

CUTLERIALES Kjellman  
 CUTLERIACEAE Hauck

## CUTLERIA Greville

*C. adspersa* (Mertens in Roth) De Notaris

*C. chilosa* (Falkenberg) Silva  
 (*C. monoica* Ollivier; Dural & al. 1997)

*C. multifida* (Turner) Greville  
 [*Aglaozonia parvula* (Greville) Zanardini]

## ZANARDINIA Nardo ex Zanardini

*Z. typus* (Nardo) Silva in Greuter (2000)

FUCALES C. Agardh  
 CYSTOSEIRACEAE De Toni  
 CYSTOSEIROIDEAE Kjellman

## CYSTOSEIRA C. Agardh

*C. amentacea* (C. Agardh) Bory

*C. barbata* (Stackhouse) C. Agardh

*C. compressa* (Esper) Gerloff & Nizamuddin

*C. corniculata* (Turner) Zanardini

*C. crinita* Duby

*C. crinitophylla* Ercegovic

*C. dubia* Valiante

*C. elegans* Sauvageau

*C. foeniculacea* (Linné) Greville  
(*C. schiffneri* Hamel; Gomez Garreta 2001:133)

*C. mediterranea* Sauvageau

*C. sauvageauana* Hamel

*C. spinosa* Sauvageau  
(*C. adriatica* Sauvageau; Gomez Garreta 2001:155)

*C. susanensis* Nizamuddin  
NOTE: Recorded from Kalogeroi Islet (Tsiamis &al. 2010)

*C. squarrosa* De Notaris

*C. zosteroides* C. Agardh

#### SARGASSACEAE Kützing

SARGASSUM C. Agardh

*S. acinarium* (Linné) Setchell

*S. hornschurchii* C. Agardh

*S. trichocarpum* J. Agardh

*S. vulgare* C. Agardh

#### DESMARESTIALES Setchell & Gardner ARTHROCLADIACEAE Chauvin

ARTHROCLADIA Duby

*A. villosa* (Hudson) Duby

#### DICTYOTALES Hauck DICTYOTACEAE Dumortier

DICTYOPTERIS Lamouroux

*D. lucida* Ribera Siguan, Gomez Garreta, Perez Ruzafa, Barcelo Marti & Rull Lluch  
NOTE: Recorded from Rhodes port and Ladiko bay, just outside the proper Aegean Sea  
(Tsiamis &al. 2010) and Smyrna (Taskin 2013).

*D. polypodioides* (D.C.) Lamouroux

DICTYOTA Lamouroux

*Dictyota cyanoloma* Tronholm, De Clerck, Gómez Garreta & Rull Lluch in Tronholm &al.  
(2010).

NOTE: Recorded from Smyrna (Taskin 2013).

*D. dichotoma* (Hudson) Lamouroux

*D. dichotoma* var. *intricata* (C. Agardh) Greville  
[*D. implexa* (Desfontaines) Lamouroux]

*D. linearis* (C. Agardh) Greville

DILOPHUS J. Agardh

*D. fasciola* (Roth) Howe  
(*D. mediterraneus* Schiffner; De Clerck 2003:180)

*D. fasciola* var. *repens* (J. Agardh) J. Feldmann

*D. spiralis* (Montagne) Hamel

#### PADINACEAE Nägeli

PADINA Adanson

*P. di-tristromatica* N.-N. Win & H. Kawai in Win & al. (2011)

NOTE: Recorded from several localities in the Mediterranean including Lesbos. Molecular analyses cluster this species, and *P. pavonicoides* N.-N. Win & H. Kawai, together with *P. pavonica*, but neither the variation of *P. pavonica* populations (in the Mediterranean-Caribbean) nor the identity of older names (presumed to be synonyms of *P. pavonica*) are clarified

*P. pavonica* (Linné) Lamouroux  
(*P. pavonia*, orth. variant, *P. mediterranea* Bory)

*P. pavonicoides* N.-N. Win & Kawai in Win & al. (2011)  
NOTE: Recorded from Smyrna (Taskin 2013).

? *P. tenuis* Bory

NOTE: Also known as *Padina boryana* Thivy 1966, following Silva & al. (1966: 602) who interpreted *P. tenuis* Bory 1827 as a new combination [*P. tenuis* (C. Agardh) Bory] - the latter based on Bory's statement '...c'est le *Zonaria Pavonia*  $\delta$  d'Agardh..'. Womersley & Bailey (1970: 292-3) interpreted *P. tenuis* as a new species typified with the Commerson collection from Mauritius which is in agreement with Bory's intent to create '...le *Padina tenuis*, N., recueilli d'abord par Commerson vers l'embouchure de la grande rivière à l'Ile-de-France,..'. Recognition of *P. tenuis* Bory precludes the possibility of changing the name of the species (in favor of *Vaughaniella rupicola* Børgesen 1950 - cited as a possible synonym by Silva & al. l.c.). *Padina tenuis* has been reported from several localities in the Aegean by Nizamuddin, but according to Win & al. (2011: 338) these records may be representative of *Padina boergesenii* Allender & Kraft.

STYPOPODIUM Kützing

*S. schimperi* (Kützing) Verlaque & Boudouresque (1991:201)

TAONIA J. Agardh

*T. atomaria* (Woodward) J. Agardh

ZONARIA C. Agardh

*Z. tournefortii* (Lamouroux) Montagne



ECTOCARPALES Oltmanns  
(CHORDARIALES Setchell & Gardner, DICTYOSIPHONALES Setchell & Gardner,  
SCYTOSIPHONALES J. Feldmann)

ACINETOSPORACEAE J. Feldmann

ACINETOSPORA Bornet

*A. crinita* (Carmichael) Kornmann

FELDMANNIA Hamel

*F. battersioides* (Ercegovic) Cormaci & Furnari (Dural & al. 1997)

*F. globifera* (Kützing) Hamel

*F. irregularis* (Kützing) Hamel

*F. lebelii* (Crouan frat.) Hamel

[*F. caespitula* var. *lebelii* (Crouan frat.) Knoepffler-Peguy (Taskin & Oezturk 2007:174, Ayvalik near Lesbos)]

*F. padinae* (Buffham) Hamel (Taskin & Oezturk 2007:175, Ayvalik near Lesbos)

*F. paradoxa* (Montagne) Hamel

HERPONEMA J. Agardh

*H. graniferum* Kuckuck

HINCKSIA J. Gray  
(*Giffordia* Batters)

*H. granulosa* (Smith & Sowerby) Silva (Taskin & Oezturk 2007:175, Ayvalik near Lesbos)

*H. mitchelliae* (Harvey) Silva (Silva & al. 1987:73, 130)  
[*Giffordia mitchelliae* (Harvey) Batters]

PYLAIELLA Bory

? *P. littoralis* (Linné) Kjellman

NOTE: Reported from the Makedonian coast by Anagnostidis (1968) with reservations. Older Mediterranean records by Hauck refer to *f. fluviatilis* that is apparently referable to *Ectocarpus*

SPONGONEMA Kützing

? *S. tomentosum* (Hudson) Kützing

NOTE: A report from the Pagasitikos Gulf [Diannelidis 1935, as *E. tomentosus* (Huds.) Lyngb.] is doubtful because 'Das Vorkommen liegt ausserhalb des Verbreitungsgebietes' (Gerloff & Geissler 1974:744)

CHORDARIACEAE Greville

CLADOSIPHON Kützing

*C. irregularis* (Sauvageau) Kylin (Taskin & Oezturk 2007:182, Ayvalik near Lesbos)

*C. mediterraneus* Kützing

GONTRANIA Sauvageau

G. lubrica Sauvageau

LIEBMANNIA J. Agardh

L. leveillei J. Agardh

MESOGLOIA C. Agardh

M. lanosa Crouan frat.

M. vermiculata (Smith & Sowerby) S.F. Gray (Taskin & Oezturk 2007:184, Ayvalik near Lesbos)

PHAEOSTROMA Kuckuck

P. bertholdii Kuckuck (Taskin & Oezturk 2007:178, Ayvalik near Lesbos)

SAUVAGEAUGLOIA Kylin

S. griffithsiana (Harvey) Hamel (Taskin & Oezturk 2007:184, Ayvalik near Lesbos)

#### ECTOCARPACEAE C. Agardh

ECTOCARPUS Lyngbye

E. siliculosus (Dillwyn) Lyngbye

E. siliculosus f. arctus (Kützing) Kuckuck

KUETZINGIELLA Kuckuck

K. battersii (Sauvageau) Kuckuck (Taskin & Oezturk 2007:178, Assos and Ayvalik near Lesbos)

#### ELACHISTACEAE Kjellman

ELACHISTA Duby

E. fucicola (Vellely) Areschoug (Taskin & Oezturk 2007:185, Ayvalik near Lesbos)

E. intermedia Crouan frat.

HALOTHRIX Reinke

H. lumbricalis (Kützing) Reinke (Taskin & Oezturk 2007:185, Ayvalik near Lesbos)

#### GIRAUDIACEAE J. Feldmann

GIRAUDIA Derbes & Solier

G. sphacelarioides Derbes & Solier in Castagne

#### LEATHESIACEAE Farlow

CORYNOPHLOEA Kützing

NOTE: After κορυφή (head, club) and the masculine substantive φλοιός (cortex). Hence the

orthography should be *Corynophloea* (De Toni Sylloge Algarum vol.III. Fucoideae: 420. 1897). Translated to 'Keulenrinde' by Kützing in *Phycologia germanica*

*C. flaccida* (C. Agardh) Kützing

LEATHESIA S.F. Gray

? *L. mucosa* J. Feldmann

MICROCORYNE Strömfelt

? *M. ocellata* Strömfelt (Taskin 2008:176, Ayvalik near Lesbos)

MYRIACTULA Kuntze

*M. rigida* (Sauvageau) Hamel

*M. rivulariae* (Suhr) J. Feldmann

*M. stellulata* (Harvey) Levring

*M. sp.*

LITHODERMATACEAE Hauck

PSEUDOLITHODERMA Svedelius

*P. adriaticum* (Hauck) Verlaque

MYRIONEMATACEAE Nägeli

MYRIONEMA Greville

*M. liechtensternii* Hauck

*M. orbiculare* J. Agardh

*M. strangulans* Greville

*M. sp.*

MYRIOTRICHIACEAE Kjellman

MYRIOTRICHIA Harvey

*M. adriatica* Hauck

*M. clavaeformis* Harvey

[? *Streblonema sphaericum* (Derbes & Solier) Thuret]

*M. repens* Hauck

PROTASPEROCOCCUS Sauvageau

*P. myriotrichiformis* Sauvageau

PETROSPONGIACEAE Racault & al.

CYLINDROCARPUS Crouan frat.

*C. kuckuckii* Taskin & al. (2010: 264, Ayvalik near Lesbos)

PUNCTARIACEAE (Thuret) Kjellman

ASPEROCOCCUS Lamouroux

*A. bullosus* Lamouroux

*A. ensiformis* (Delle Chiaje) Wynne (Taskin 2008:179, Ayvalik near Lesbos)

*A. fistulosus* (Hudson) Hooker

PUNCTARIA Greville

*P. latifolia* Greville

SCYTOSIPHONACEAE Farlow

COLPOMENIA (Endlicher) Derbes & Solier

*C. peregrina* Sauvageau (Orfanidis 1990)

*C. sinuosa* (Mertens in Roth) Derbes & Solier

HYDROCLATHRUS Bory

*H. clathratus* (C. Agardh) Howe

PETALONIA Derbes & Solier

*P. fascia* (O. F. Mueller) Kuntze

NOTE: The sporophyte stage is considered identical with *Ralfsia clavata* (Harvey) Crouan frat.

SCYTOSIPHON C. Agardh

*S. lomentaria* (Lyngbye) Link

NOTE: The sporophyte stage is considered identical with *Microspongium gelatinosum* Reinke

SOROCARPACEAE Pedersen

KUCKUCKIA Hamel

*K. spinosa* (Kützing) Kuckuck

SPERMATOCHEACEAE Kjellman

NEMACYSTUS Derbes & Solier

*N. flexuosus* var. *giraudyi* (J. Agardh) de Jong in de Jong & Prud'homme van Reine (1997:15)

SPERMATOCHEANUS Kützing

*S. paradoxus* (Roth) Kützing

## STILOPHORACHEAE Nägeli

## STILOPHORA J. Agardh

*S. tenella* (Esper) Silva (Silva, Basson & Moe 1996)  
[*S. rhizodes* (Turner) J. Agardh]

## STRIARIACEAE Kjellman

## STICTYOSIPHON Kützing

*S. ardiaticus* Kützing (Taskin 2008:182, Ayvalik near Lesbos)

## STRIARIA Greville

*S. attenuata* (Greville) Greville

## LAMINARIALES Kylin

## PHYLLARIACEAE Tilden

## PHYLLARIOIDEAE Kjellman

## SACCORHIZA Pylaie

*S. polyschides* (Lightfoot) Batters

NOTE: Only known from a single record from Chios

## RALFSIALES Lim &amp; Kawai

## RALFSIACEAE Farlow

## RALFSIA Berkeley

*R. verrucosa* (Areschoug) Areschoug

## SPOROCHNALES Sauvageau

## SPOROCHNACEAE Greville

## NEREIA Zanardini

*N. filiformis* (J. Agardh) Zanardini

## SPOROCHNUS C. Agardh

*S. pedunculatus* (Hudson) C. Agardh

## SPHACELARIALES Migula

## CHORISTOCARPACEAE Kjellman

## CHORISTOCARPUS Zanardini

*C. tenellus* (Kützing) Zanardini

## CLADOSTEPHACEAE Oltmanns

## CLADOSTEPHUS C. Agardh

NOTE: After κλάδος (branch) and the neuter substantive στεφός (Lyngbye in Tentamen Hydrophytologiae Danicae:102. 1819)

*C. spongiosum* f. *verticillatum* (Lightfoot) Prud'homme van Reine

## DISCOSPORANGIACEAE O.C. Schmidt

## DISCOSPORANGIUM Hauck

*D. mesarthrocarpum* (Meneghini) Hauck (Dural &al. 1997)

## SPHACELARIACEAE Decaisne

## SPHACELARIA Lyngbye

*S. cirrosa* (Roth) C. Agardh

*S. fusca* (Hudson) S.F. Gray

*S. plumula* Zanardini

*S. rigidula* Kützing (Dural &al. 1997)

*S. tribuloides* Meneghini

## STYPOCAULACEAE Oltmann

## HALOPTERIS Kützing

*H. filicina* (Grateloup) Kützing

## STYPOCAULON Kützing

*S. scoparium* (Linné) Kützing

**CHLOROPHYCEAE** Kützing

## TETRASPORALES Lemmermann

## TETRASPORACEAE (Nägeli) Wittrock

## PALMOPHYLLUM Kützing

*P. crassum* (Naccari) Rabenhorst

## ULOTRICHALES Borzi

## ULOTRICHACEAE Kützing

## ULOTHRIX Kützing

? *U. flacca* (Dillwyn) Thuret  
(*U. pseudoflacca* Wille)

*U. implexa* (Kützing) Kützing

? *U. subflaccida* Wille (Dural &al. 1997, Smyrna)

## CTENOCLADALES P.C.Silva

## ULVELACEAE Schmidle

## ACROCHAETE Pringsheim

*A. inflata* (Ercegovic) Gallardo &al. (Panayotidis 1979)  
(*Pseudodictyon infatum* Ercegovic)

## ENDOCLADIA Reinke

E. leptochate (Huber) Burrows  
[Acrochaete leptochate (Huber) Nielsen]

E. viridis Reinke  
[Acrochaete viridis (Reinke) Nielsen, Endoderma viride (Reinke) Lagerheim]

## EPICLADIA Reinke

E. sp.

## PRINGSHEIMIELLA von Hoehnel

P. scutata (Reinke) Marchewianka

PHAEOPHILALES Chappell & al. (1990)  
PHAEOPHILACEAE Chappell & al.

## PHAEOPHILA Hauck

P. dendroides (Crouan frat.) Batters

ACROSIPHONIALES Jonsson  
ACROSIPHONIACEAE Jonsson

## UROSPORA Areschoug

U. penicilliformis (Roth) Areschoug  
(Codiolum gregarium Braun)

## SPONGOMORPA Kützing

? S. aeruginosa (Linné) Hoek  
[Cladophora lanosa (Roth) Kützing, Cladophora lanosa f. uncialis (O. F. Mueller) Hauck]

? S. arcta (Dillwyn) Kützing  
[Cladophora arcta (Dillwyn) Kützing]

ULVALES Blackman & Tansley  
GOMONTIACEAE De Toni

## GOMONTIA Bornet &amp; Flahault

G. polyrhiza (Lagerheim) Bornet & Flahault

## MONOSTROMATACEAE Kunieda

## BLIDINGIA Kylin

B. marginata (J. Agardh) Dangeard  
(Enteromorpha marginata J. Agardh)

## ULVACEAE Dumortier

## ENTEROMORPHA Link

*E. clathrata* (Roth) Greville

*E. compressa* (Linné) Nees

*E. flexuosa* (Wulfen) J. Agardh  
(*E. juergensii* Kützing, *E. lingulata* J. Agardh)

*E. intestinalis* (Linné) Nees

*E. linza* (Linné) J. Agardh

*E. multiramosa* Bliding 1963

NOTE: Bliding (Opera Botanica 8: 116. 1963) specified that his account was based on 'specimens from Naples' and in particular on a 'mother plant (Bliding 1960 fig.4a..)' that was cultured in Sweden. This statement fulfills the requirement of 'indication of..type...an entire gathering..even if it consists of two or more specimens...' (Art.40.2 and 40.3. Note 2). The type of *E. multiramosa* is the illustrated material on a single herbarium sheet (Bliding in Bot. Notiser. 113: 117-9, f.4.a. 1960), collected in 'Naples: March 1958..in the harbour of S:a Lucia, growing on Cladophoras' (Bliding 1963: 116). This material was the start of Bliding's culture experiments that produced his account in 1963. A Latin diagnosis was provided via 'Ref.: Bliding 1960, p.177' as also the herbarium holding the type (Bliding 1963: 116). Hence *E. multiramosa* Bliding 1963 is a valid name. The species should be transferred to the 'clathrata-group' when that information has also been evaluated. The wide range of habitats and diminutive size of the species is in accord with its cosmopolitan distribution that includes Australia, N. Zealand, the Indian Ocean, Papua New Guinea, Fiji and Canary Islands, Brazil and even the Caribbean (Athanasiadis 1987: 140)

*E. muscoides* (Clemente) Cremades  
[*E. ramulosa* (Smith & Sowerby) Carmichael, *E. crinita* Nees]

*E. prolifera* (O. F. Mueller) J. Agardh

ULVA Linné

*U. fasciata* Delile

*U. lactuca* Linné

*U. lactuca* f. *laciniata* (J. Agardh) De Toni  
(*U. rigida* f. *laciniata* J. Agardh)

*U. rigida* C. Agardh  
[*U. lactuca* var. *rigida* (C. Agardh) Le Jolis]

*U. rotundata* Bliding

CLADOPHORALES G. S. West  
ANADYOMENACEAE Kützing

ANADYOMENE Lamouroux

*A. stellata* (Wulfen) C. Agardh  
(*Ulva stellata* Wulfen in Jacquin, *A. flabellata* Lamouroux)

MICRODICTYON Decaisne

*M. tenuius* J. Gray  
[*M. umbilicatum* (Vellay) Zanardini p.p.]



## CHAETOSIPHONIACEAE Blackman &amp; Tansley

## BLASTOPHYSA Reinke

- B. rhizopus* Reinke  
(*B. polymorpha* Kjellman)

## CLADOPHORACEAE Willie

## CHAETOMORPHA Kützing

- C. aerea* (Dillwyn) Kützing  
*C. crassa* (*C. Agardh*) Kützing  
*C. linum* (O.F. Mueller) Kützing  
[*Conferva linum* O.F. Mueller, *C. chlorotica* (Montagne) Kützing]

## CLADOPHORA Kützing

- C. albida* (Nees) Kützing  
[*C. hamosa* (Kützing) Kützing, *C. neesiorum* (*C. Agardh*) Kützing, *C. pumila* Kützing]  
*C. coelothrix* Kützing  
[*C. repens* (*J. Agardh*) Harvey, *Cladophoropsis modonensis* (Kützing) Reinbold, *Siphonocladus concrescens* Reinbold (Leliart & Coppejans 2006:672)]  
*C. dalmatica* Kützing  
(*C. arachnoidea* Schiffner)  
*C. echinus* (Biasoletto) Kützing  
[*C. cornea* (Kützing) Kützing]  
*C. feredayi* Harvey  
(*C. pellucida* f. *nana* Hauck)  
*C. flexuosa* (O. F. Mueller) Kützing  
(*C. gracilis* Kützing)  
*C. glomerata* (Linné) Kützing  
*C. hutchinsiae* (Dillwyn) Kützing  
(*C. rissoana* Kützing)  
*C. laetevirens* (Dillwyn) Kützing  
[*C. meneghiniana* (Kützing) Kützing, *C. repens* Harvey f. *meneghiniana* (Kützing) Hauck, *C. utriculosa* var. *laetevirens* (Dillwyn) Hauck, ? *C. affinis* Schiffner, *Siphonocladus rhodensis* Reinbold (Leliart & Coppejans 2006:673)]  
*C. lehmanniana* (Lindenberg) Kützing  
[*C. utriculosa* Kützing, *C. utriculosa* var. *longiarticulata* Kützing, *C. utriculosa* var. *ramulosa* (Meneghini) Hauck, *C. ramulosa* Meneghini]  
*C. nigrescens* Zanardini ex Frauenfeld  
NOTE: Recorded from Andros (Tsiamis & al. 2010)  
*C. pellucida* (Hudson) Kützing  
[*C. trichotoma* (*C. Agardh*) Kützing]

*C. prolifera* (Roth) Kützing  
[*C. prolifera* var. *scoparia* (Kützing) Schiffner]

*C. retroflexa* (Crouan frat.) van den Hoek

*C. rupestris* (Linné) Kützing  
[*C. rupestris* var. *mediterranea* Kützing, *C. rupestris* f. *mediterranea* (Kützing) Ardissoni]

*C. sericea* (Hudson) Kützing  
[*C. rudolphiana* (C. Agardh) Harvey, *C. mediterranea* Hauck]

? *C. socialis* Kützing

*C. vadorum* (Areschoug) Kützing  
(*C. corynarthra* Kützing)

*C. vagabunda* (Linné) Hoek  
[*C. fracta* f. *marina* Hauck, *C. penicillata* Kützing, *C. utriculosa* var. *aegaea* (Kützing) Kützing]

RHIZOCLONIUM Kützing

*R. riparium* (Roth) Harvey

*R. tortuosum* (Dillwyn) Kützing  
[*Chaetomorpha tortuosa* Kützing, *Chaetomorpha capillaris* (Kützing) Børgesen]

#### SIPHONOCLADACEAE Schmitz

CLADOPHOROPSIS Børgesen

? *C. membranacea* (C. Agardh) Børgesen  
[? *Siphonocladus membranaceus* (C. Agardh) Bornet var. *caespitosus* (C. Agardh) De Toni, ? *Siphonocladus psyttaliensis* Schmitz]

*Cladophoropsis sundanensis* Reinbold (Leliart & Coppejans 2006:679)

SIPHONOCLADUS Schmitz

*S. pusillus* (Kützing) Hauck  
(*Valonia pusilla* Kützing, *S. wilbergii* Schmitz)

VENTRICARIA Olsen & J. West

*V. ventricosa* (J. Agardh) Olsen & West  
(*Valonia ventricosa* J. Agardh)

#### VALONIACEAE Kützing

VALONIA C. Agardh

*V. macrophysa* Kützing

*Valonia utricularis* (Roth) C. Agardh  
(*Conferva utricularis* Roth, ? *V. caespitula* Zanardini)

#### BRYOPSIDALES Schaffner

#### BRYOPSIDACEAE Bory

## BRYOPSIS Lamouroux

*B. adriatica* (J. Agardh) Meneghini

[*B. plumosa* (Hudson) C. Agardh var. *adriatica* (J. Agardh) Hauck]

*B. duplex* De Notaris

[*B. balbisiana* Lamouroux sensu J. Feldmann, *B. balbisiana* Lamouroux var. *disticha* J. Agardh, *B. disticha* (J. Agardh) Kützing]

*B. corymbosa* J. Agardh

*B. feldmannii* Gallardo & Furnari

(*B. cupressoides* J. Feldmann)

*B. hypnoides* Lamouroux

*B. muscosa* Lamouroux

*B. plumosa* (Hudson) C. Agardh

*B. sp.*

## CAULERPACEAE Kützing

## CAULERPA Lamouroux

*C. prolifera* Lamouroux

NOTE: Recorded from Crete

*C. cylindracea* Sonder

[*C. racemosa* (Forsskål) J. Agardh var. *cylindracea* (Sonder) Verlaque, Huisman & Boudouresque (2003:336); *C. racemosa* cf. var. *occidentalis* (J. Agardh) Børgesen (Verlaque & al. 2000, tab. II; Panayotidis & Zuljevic 2001)]

NOTE: Recorded from Crete, Kalimnos, Samos, Saronikos, Tristinika (Sithonia, June 2009; Tsiamis & al. 2014)

*C. racemosa* var. *lamourouxii* f. *requienii* (Montagne) Weber van Bosse (Verlaque & al. 2000, table II)

NOTE: Recorded from the Island of Thira

## CODIACEAE Kützing

## CODIUM Stackhouse

? *C. adhaerens* C. Agardh

*C. bursa* (Olivi) C. Agardh

*C. coralloides* (Kützing) Silva

*C. decortiatum* (Woodward) Howe

[*C. elongatum* (Turner) C. Agardh, *Fucus elongatus* Turner]

*C. effusum* (Rafinesque) Delle Chiaje

(*C. difforme* Kützing)

*C. fragile* subsp. *tomentosoides* (Goor) Silva

*C. vermilara* (Olivi) Delle Chiaje

DERBECIACEAE Hauck

DERBESIA Solier

*D. cf. tenuissima* (Morris & De Notaris) Crouan frat.  
(*Halicystis cf. parvula* Schmitz)

PEDOBESIA MacRaid & Womersley

*P. simplex* (Kützing) Wynne & Leliaert (2001)  
[*P. lamourouxii* (J. Agardh) J. Feldmann & al., *Derbesia lamourouxii* (J. Agardh) Solier, ?  
*Derbesia cervicornis* Schiffner]

HALIMEDACEAE Link

HALIMEDA Lamouroux

*H. tuna* (Ellis & Solander) Lamouroux

PENICILLUS Lamarck

*P. capitatus* Lamarck  
(*Espera mediterranea* Decaisne)

UDOTEACEAE J. Agardh

FLABELLIA Reichenbach

*F. petiolata* (Turra) Nizamuddin  
[*Udotea petiolata* (Turra) Børgesen, *Udotea desfontainii* (Lamouroux) Decaisne,  
? *Udotea minima* Ernst]

PSEUDOCHLORODESMIS Børgesen

*P. furcellata* (Zanardini) Børgesen  
(*Bryopsis furcellata* Zanardini)

DASYCLADALES Pascher  
DASYCLADACEAE Kützing

DASYCLADUS C. Agardh

*D. vermicularis* (Scopoli) Krasser  
[*D. clavaeformis* (Roth) C. Agardh, *Myrsidrum bertolonii* Bory]

ACETABULARIACEAE Nägeli

ACETABULARIA Lamouroux

*A. acetabulum* (Linné) Silva  
(*A. mediterranea* Lamouroux)

POLYPHYSACEAE Kützing

PARVOCAULIS Berger, Fettweiss, Gleissberg, Liddle, Richter, Sawitzky & Zuccarello  
(2003)

*P. parvula* (Solms-Laubach) Berger & al. (2003)  
 [Polyphysa parvula (Solms-Laubach) Schnetter & Bula-Meyer, Acetabularia parvula Solms-Laubach (Cirik 1978), Acetabularia moebii Solms-Laubach,  
 ? Acetabularia wettsteinii Schussnig]

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NOTE: This is a periodically updated electronic file, to be regarded as a preliminary version not effectively published (Art. 30.2).