

Checklist of Mediterranean Seaweeds.

III. Rhodophyceae Rabenh. 1. Ceramiales Oltm.

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An annotated checklist of the Ceramiales (Rhodophyceae; red algae) of the Mediterranean, based on literature records, is given. The distribution of each taxon in the area (which is divided into 16 regions) is reported. The number of species and infraspecific taxa of this group accepted for the Mediterranean Sea as currently recognised taxonomically is 271. This list has benefited from the suggestions on taxonomy, nomenclature and regional distribution made by phycological advisers for each region.

Introduction

This checklist of Mediterranean seaweeds is intended to be a catalogue of benthic algal taxa of the Mediterranean Sea, including the Rhodophyceae *s.l.*, Fucophyceae (Phaeophyceae) and Chlorophyceae *s.l.* The Fucophyceae were treated in the first part (Ribera *et al.* 1992) while the *Chlorophyceae s.l.* in the second

(Gallardo *et al.* 1993). The Rhodophyceae will be compiled in three parts, the first of which includes the Ceramiales. The number of specific and infraspecific taxa of this order accepted for the Mediterranean Sea under current taxonomy is 270.

This list has been compiled following the scheme used in the first part of this series (Ribera *et al.* 1992). The area has been split into 16 regions (Fig. 1) that

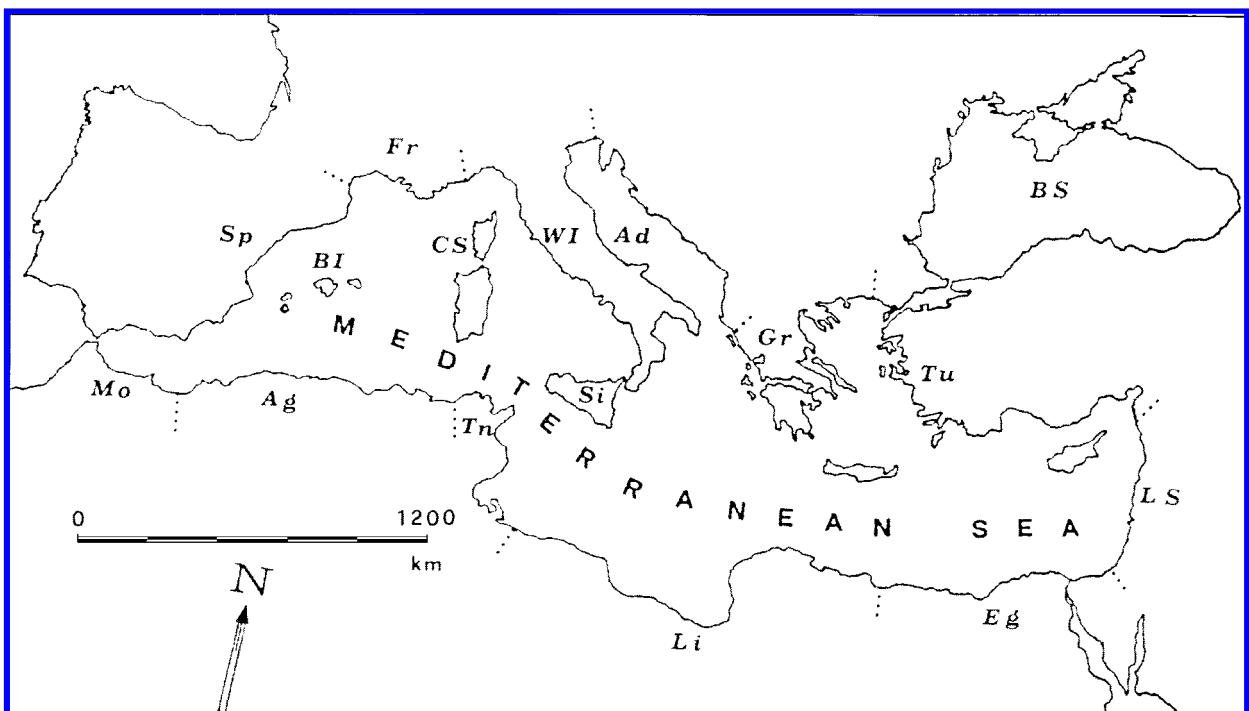


Fig. 1. Geographical regions included: (Sp) Spain, (BI) Balearic Islands, (Fr) France, (CS) Corsica and Sardinia, (WI) Western Italy, (Si) Sicily and adjacent islands (including Gulf of Taranto), (Ad) Adriatic Sea (including Albania), (Gr) Greece, (BS) Black and Azov Seas, (Tu) Turkey (Marmara Sea and Mediterranean coast), (LS) Levant States (Syria, Lebanon and Israel), (Eg) Egypt, (Li) Libya, (Tn) Tunisia, (Ag) Algeria, (Mo) Morocco.

List of Taxa and Their Distribution

Taxa	Geographic regions															
	Sp	BI	Fr	CS	WI	Si	Ad	Gr	BS	Tu	LS	Eg	Li	Tn	Ag	Mo
CERAMIALES Oltm.																
Ceramiaceae Dumort.																
<i>Acrothamnion</i> J. Agardh																
<i>A. preissii</i> (Sond.) E. M. Woll.	–	109	235	–	62	127	–	–	–	–	–	–	–	–	–	–
<i>Aglaothamnion</i> Feldm.-Maz.																
<i>A. bipinnatum</i> (P. Crouan <i>et</i> H. Crouan) Feldmann <i>et</i> Feldm.-Maz.	–	–	50	–	–	–	–	–	–	–	–	–	–	–	183	–
<i>A. caudatum</i> (J. Agardh) Feldm.-Maz.	20	193	50	48	121	124	123	208	–	15	–	–	–	31	183	–
<i>Callithamnion caudatum</i> J. Agardh																
<i>A. cordatum</i> (Børgesen) Feldm.-Maz. ¹	20	–	50	48	112	124	123	10	–	15	167	32	–	30	183	133
<i>A. neglectum</i> Feldm.-Maz.																
<i>Callithamnion cordatum</i> Børgesen																
<i>Callithamnion neglectum</i> (Feldm.-Maz.) South <i>et</i> Tittley																
<i>A. feldmanniae</i> Halos	–	–	233	–	206	–	–	–	–	–	–	–	–	–	–	–
<i>A. gallicum</i> (Nägeli) Halos <i>ex</i> Ardre ²	–	–	50	48	180	124	123	59	–	–	–	–	–	–	–	–
<i>A. brodiei auctorum</i>																
<i>Callithamnion brodiei auctorum</i>																
<i>A. hookeri</i> (Dillwyn) Maggs <i>et</i> Hommers. ³	20	22	–	84	–	82	227	–	–	15	–	–	–	–	–	133
<i>Callithamnion hookeri</i> (Dillwyn) Gray																
<i>A. scopulorum</i> (C. Agardh) Feldm.-Maz. ⁴	35	193	50	48	112	124	123	120	–	–	167	–	176	31	–	–
<i>Callithamnion scopulorum</i> C. Agardh																
<i>A. tenuissimum</i> (Bonnem.) Feldm.-Maz																
var. <i>tenuissimum</i> ⁵	20	193	50	48	121	124	123 ⁶	10	–	245	167	–	–	31	183	133
<i>A. byssoides</i> (Arn. <i>ex</i> Harv.) Boudour. <i>et</i> Perret-Boudour.																
<i>A. furcellariae</i> (J. Agardh) Feldm.-Maz.																
<i>Callithamnion byssoides</i> Arn. <i>ex</i> Harv.																
<i>Callithamnion furcellariae</i> J. Agardh																
var. <i>mazoyerae</i> G. Furnari, L'Hardy-Halos <i>et</i> Rueness ⁵	–	193	50	234	121	124	123	92	–	15	–	–	–	31	183	–
<i>A. tenuissimum sensu</i> Feldm.-Maz.																
<i>Callithamnion tenuissimum</i> (Bonnem.) Zanardini																
<i>A. tripinnatum</i> (C. Agardh) Feldm.-Maz.	20 ⁷	193	50	48	121	124	123	10 ⁷	–	15	167	–	–	31	183	–
<i>Callithamnion tripinnatum</i> C. Agardh																
<i>Anotrichium</i> Nägeli																
<i>A. barbatum</i> (C. Agardh) Nägeli	20	193	50	48	185	124	123	10	–	15	–	–	132	–	183	–
<i>Griffithsia barbata</i> C. Agardh																
<i>A. furcellatum</i> (J. Agardh) Baldock ⁸	20	193	50	–	121	124	123	10	–	–	98	7	–	31	183	–
<i>Griffithsia furcellata</i> J. Agardh																
<i>Neomonospora furcellata</i> (J. Agardh) Feldm.-Maz. <i>et</i> Meslin																

List of Taxa and Their Distribution (Continued)

Taxa	Geographic regions															
	Sp	BI	Fr	CS	WI	Si	Ad	Gr	BS	Tu	LS	Eg	Li	Tn	Ag	Mo
<i>A. tenue</i> (C. Agardh) Nägeli	20	200	47	48	180	124	123	10	–	15	98	8	–	31	183	133
Griffithsia tenuis C. Agardh																
<i>Antithamnion</i> Nägeli																
<i>A. amphigeneum</i> A. Millar	195	–	236	–	197	–	–	–	–	–	–	–	–	–	238	133
<i>A. algeriense</i> M. Verlaque et Seridi																
<i>A. compactum</i> (Grunow) Schiffn.	11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>A. cruciatum</i> (C. Agardh) Nägeli ⁹	65	193	50	48	121	124	123	10	246	15	167	8	–	31	183	133
<i>A. decipiens</i> (J. Agardh) Athanas. ¹⁰	65	21	11	48	186	210	114	11	–	–	–	–	–	–	–	–
<i>A. ogdeniae</i> I. A. Abbott																
<i>A. heterocladum</i> Funk	20	200	50	48	112	124	114	10	16	17	–	–	–	31	–	–
<i>A. pectinatum</i> (Mont.) Brauner ex Athanas. et Tittley	–	–	237	–	–	–	87	–	–	–	–	–	–	–	–	–
<i>A. nipponicum</i> Yamada et Inagaki																
<i>A. piliferum</i> Cormaci et G. Furnari	40	201	236	–	197	71	114	11	–	–	–	–	–	–	–	–
<i>A. tenuissimum</i> (Hauck) Schiffn.	20	22	50	48	180	124	123	10	149	245	167	–	–	31	183	–
<i>Antithamnionella</i> Lyle																
<i>A. boergesenii</i> (Cormaci et G. Gurnari) Athanas.	–	–	11	–	–	207	–	–	–	–	–	–	–	–	–	–
<i>A. elegans</i> var. <i>boergesenii</i> Cormaci et G. Furnari																
<i>A. elegans</i> (Berthold) J. H. Price et D. M. John																
var. <i>elegans</i>	20	85	50	48	181	124	212	208	–	–	167	8	–	31	183	133
<i>Antithamnion elegans</i> Berthold																
var. <i>decussata</i> Cormaci et G. Furnari ¹¹	–	–	–	–	–	58	–	–	–	–	–	–	–	–	–	–
<i>A. spirographidis</i> (Schiffn.) E. M. Woll.	20	19	50	84	112	124	86	92	–	–	–	–	–	–	–	133
<i>Antithamnion spirographidis</i> Schiffn.																
<i>A. ternifolia</i> (Hook et Harv.) Lyle	–	–	235	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Balliella</i> Itono et Tanaka																
<i>B. cladoderma</i> (Zanardini) Athanas.	20	21	41	48	121	124	123	10	–	–	–	–	–	–	183	–
<i>Antithamnion cladodermum</i> (Zanardini) Hauck																
<i>Bornetia</i> Thur.																
<i>B. secundiflora</i> (J. Agardh) Thur.	20	193	50	48	121	124	–	10	16	–	–	8	176	31	183	–
<i>Callithamniella</i> Feldm.-Maz.																
<i>C. tingitana</i> (Schousb. ex Bornet) Feldm.-Maz.	20	193	50	48	112	–	114	10	–	–	–	–	–	–	183	133
<i>Callithamnion</i> Lyngb.																
<i>C. corymbosum</i> (Sm.) Lyngb.	20	193	50	48	112	124	123	10	246	15	167	8	–	31	183	133

<i>C. granulatum</i> (Ducluz.) C. Agardh	20	193	50	48	121	124	123	10	246	15	167	7	176	31	183	133
<i>C. tetragonum</i> (With.) Gray	20	–	50	–	112	124	212	10	–	–	–	8	–	31	183	133
<i>Centroceras</i> Kütz.																
<i>C. clavulatum</i> (C. Agardh) Mont.	20	193	12	–	121	124	123	10	–	15	164	8	132	31	183	133
<i>Ceramium</i> Roth																
<i>C. bertholdii</i> Funk	20	19	50	48	121	124	123	10	–	–	–	13	–	31	183	–
<i>C. ciliatum</i> (J. Ellis) Ducluz.																
var. <i>ciliatum</i>	65	–	50	48	1	124	123	10	246	15	–	8	176	31	183	133
var. <i>robustum</i> (J. Agardh) Feldm.-Maz.	20	193	50	48	121	124	123	10	135	15	167	–	–	31	183	133
<i>C. cimbricum</i> H. E. Petersen																
f. <i>cimbricum</i> ¹⁴	–	193	50	84	185	57	123	92	27	15	–	32	–	–	–	–
<i>C. fastigiatum</i> Harv. var. <i>fastigiatum</i>																
<i>C. fastigiramosum</i> Boo et I. K. Lee																
f. <i>flaccidum</i> (H. E. Petersen) G. Furnari et Serio ¹⁵	25	–	67	48	–	58	114	179	–	–	–	–	–	–	–	–
<i>C. fastigiatum</i> f. <i>flaccidum</i> H. E. Petersen																
<i>C. fastigiramosum</i> f. <i>flaccidum</i> H. E. Petersen																
<i>C. circinatum</i> (Kütz.) J. Agardh	20	193	50	48	121	124	123 ¹⁶	10	246 ¹⁶	15	167	32	176	31	183	133
<i>C. codii</i> (H. Richards) Feldm.-Maz.	20	193	50	48	121	124	123 ¹⁷	10	16	97	–	8	132	31	183	133
<i>C. comptum</i> Børgesen	20	193	50	48	112	124	123	160	–	–	98	–	–	–	–	–
<i>C. deslongchampsii</i> Chauv. ex Duby ¹⁸	20	193	50	84	121	124	123	10	246 ¹⁹	15	–	49	–	31	183	–
<i>C. diaphanum</i> (Lightf.) Roth var. <i>strictum</i> (Kütz.) Feldm.-Maz.																
<i>C. strictum</i> (Kütz.) Rabenh. <i>nom. illeg.</i>																
<i>C. diaphanum</i> (Lightf.) Roth ²⁰	20	193	50	48	121	124	123 ²¹	10	246	15	167	8	176	31	183	133
<i>C. nodosum</i> (Kütz.) Griffiths et Harv.																
<i>C. tenuissimum</i> (Roth) Aresch. <i>nom. illeg.</i>																
<i>C. tenuissimum</i> (Roth) Aresch. var. <i>tenellum</i> Feldm.-Maz.																
<i>C. echionotum</i> J. Agardh ²²	20	193	50	48	112	124	123	10	246	–	167	–	–	–	183	133
<i>C. flaccidum</i> (Kütz.) Ardiss.	20 ²³	193	50	48	121	124	123	10	16	97	98	8	215	31	183	133
<i>C. gracillimum sensu</i> Harv.																
<i>C. gracillimum</i> (Kütz.) Griffiths et Harv. var. <i>byssoidium</i> Feldm.-Maz.																
<i>C. masonii</i> E. Y. Dawson																
<i>C. gaditanum</i> (Clemente) Cremades																
var. <i>gaditanum</i>	65	–	236 ²⁴	–	–	124	86	140 ²⁵	16	–	–	–	–	31	–	–
<i>C. flabelligerum</i> J. Agardh var. <i>flabelligerum</i>																
var. <i>mediterraneum</i> (Debray) Cremades	20	–	–	–	–	124	–	–	–	17	–	–	–	–	183	–
<i>C. flabelligerum</i> J. Agardh var. <i>mediterraneum</i> Debray																
<i>C. giacconei</i> Cormaci et G. Furnari ²⁶	73	–	73	84	73	83	114	160	–	–	–	–	–	–	–	133
<i>C. graecum</i> Lazaridou et Boudour.	–	–	–	–	–	58	–	161	–	–	–	–	–	–	–	–
<i>C. incospicuum</i> Zanardini ²⁷	–	–	–	–	–	–	114	–	–	–	–	–	–	–	–	–
<i>C. petittii</i> Feldm.-Maz. ²⁸	–	–	50	48	–	–	–	–	–	–	–	–	–	–	–	–

<i>Crouania</i> J. Agardh																
<i>C. attenuata</i> (C. Agardh) J. Agardh																
f. <i>attenuata</i>	20	193	50	48	121	124	123 ³⁹	10	–	15	98	32	–	31	183	133
f. <i>bispora</i> (P. Crouan et H. Crouan) Hauck	65	193	50	234	–	124	–	–	–	–	–	–	–	–	–	–
<i>C. francescoi</i> Cormaci, G. Furnari et Scamm.	24	–	236	–	–	124	–	10	–	–	–	–	–	–	–	–
<i>C. ischiana</i> (Funk) Boudour. et M. Perret ⁴⁰	65	–	50	48	121	124	–	10	–	–	–	–	–	–	–	–
Pseudocrouania ischiana Funk																
<i>Dohrniella</i> Funk																
<i>D. nana</i> Mayhoub	–	–	–	–	–	–	–	–	–	–	167	–	–	–	–	–
<i>D. neapolitana</i> Funk	–	–	50	48	112	124	212	–	–	–	–	–	–	–	–	133
<i>Griffithsia</i> C. Agardh																
<i>G. corallinoides</i> (L.) Trevisan	–	–	29 ⁴¹	–	–	124	–	–	–	17	–	–	–	31	183 ⁴¹	–
<i>G. genovefae</i> Feldmann	–	–	50	48	–	–	123	–	–	–	167	–	–	–	183	–
<i>G. opuntioides</i> J. Agardh	65	193	50	48	121	124	123	10	–	245	–	8	–	31	183	133
<i>G. phyllamphora</i> J. Agardh	65	193	150	48	112	124	123	10	–	15	–	–	–	31	183	133
<i>G. schousboei</i> Mont.																
var. <i>schousboei</i>	20	193	50	48	112	124	123	92	–	15	98	–	176	31	183	133
var. <i>minor</i> Feldmann ex Feldm.-Maz.	–	–	50	–	–	–	–	–	–	15	–	–	–	–	–	–
<i>Gulsonia</i> Harv.																
<i>G. nodulosa</i> (Ercerg.) Feldmann et Feldm.-Maz.	20	–	50	110	121	124	123	10	–	–	–	–	–	–	183	–
Crouaniopsis annulata (Berthold) Feldmann et Feldm.-Maz.																
<i>Gymnothamnion</i> J. Agardh																
<i>G. elegans</i> (Schousb. ex C. Agardh) J. Agardh	20	193	50	48	180	124	123	10	–	15	167	–	–	31	183	133
<i>Halosia</i> Cormaci et G. Furnari																
<i>H. elisae</i> Cormaci et G. Furnari	–	–	74	110	–	74	–	–	–	–	–	–	–	–	–	–
<i>Halurus</i> Kütz.																
<i>H. equisetifolius</i> (Lightf.) Kütz.	–	–	–	–	121	124	–	–	–	–	–	–	132	–	183	–
<i>H. flosculosus</i> (J. Ellis) Maggs et Hommersand																
var. <i>flosculosus</i>	20	193	50	48	112	124	102 ⁴²	10	149	14	–	8	–	31	183	133
Griffithsia flosculosa (J. Ellis) Rupr. var. flosculosa																
Griffithsia setacea (Huds.) C. Agardh																
var. <i>irregularis</i> (C. Agardh) comb. nov.	25	193	50	48	–	124	123	–	246	–	–	–	132	–	183	–
Griffithsia flosculosa (J. Ellis) Rupr. var. irregularis (C. Agardh)																
Feldm.-Maz.																
Griffithsia irregularis C. Agardh																
<i>H. flosculosus</i> var. <i>sphaericus</i> (Schousb. ex C. Agardh) comb. nov.	–	–	50	–	121	124	123	–	–	–	–	–	–	–	183	–
Griffithsia flosculosa var. sphaerica (Schousb. ex C. Agardh)																
Feldm.-Maz.																

List of Taxa and Their Distribution (Continued)

Taxa	Geographic regions															
	Sp	BI	Fr	CS	WI	Si	Ad	Gr	BS	Tu	LS	Eg	Li	Tn	Ag	Mo
<i>Lejolisia</i> Bornet																
<i>L. mediterranea</i> Bornet	20	22	50	48	180	124	123	10	246	97	167	–	–	31	–	133
<i>Microcladia</i> Grev.																
<i>M. glandulosa</i> (Sol. ex Turner) Grev.	65	22	50	48	112	124	123	–	–	–	–	–	176	31	183	–
<i>Monosporus</i> Solier																
<i>M. pedicellatus</i> (Sm.) Solier																
var. <i>pedicellatus</i>	20	193	50	48	121	124	123	10	–	15	–	8	–	31	183	133
Corynospora pedicellata (Sm.) J. Agardh																
Neomonospora pedicellata (Sm.) Feldm.-Maz. et Meslin var. pedicellata																
var. <i>tenuis</i> Huisman et Kraft	20	193	50	84	121	124	123	208	–	–	–	–	–	–	–	–
Neomonospora pedicellata (Sm.) Feldm.-Maz. et Meslin var. <i>tenuis</i> Feldm.-Maz.																
<i>Pleonosporium</i> Nägeli																
<i>P. borrieri</i> (Sm.) Nägeli	20	193	50	48	121	124	123	10	–	15	167	8	176	31	183	133
<i>P. caribaeum</i> (Børgesen) R. E. Norris	65	–	235	–	–	–	–	–	–	–	–	–	–	–	–	–
Mesothamnion caribaeum Børgesen																
<i>Pterothamnion</i> Nägeli																
<i>P. crispum</i> (Ducluz.) Nägeli ⁴³	20	193	50 ⁴⁴	48	180	124	123	10	–	17 ⁴⁵	–	–	–	31	183	133
Antithamnion plumula (J. Ellis) Thur. var. <i>crispum</i> (Ducluz.) Hauck																
Antithamnion plumula (J. Ellis) Thur. var. <i>refractum</i> (Kütz.) Schiffn.																
Pterothamnion plumula (J. Ellis) Nägeli var. <i>bebbii</i> (Reinsch) Cormaci et G. Furnari																
<i>P. plumula</i> (J. Ellis) Nägeli																
subsp. <i>plumula</i> ⁴⁶	20	193	50	48	121	124	123	208	246	17	167	–	176	31	183	133
Antithamnion plumula (J. Ellis) Thur.																
Platythamnion plumula (J. Ellis) Boudour., H. Augier et M. Verlaque var. <i>plumula</i>																
subsp. <i>haplokladion</i> Athanas.	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	–
<i>P. polyacanthum</i> (Kütz.) Nägeli	–	–	11	–	–	–	11	11	–	–	–	–	–	–	–	–
<i>Ptilocladopsis</i> Berthold																
<i>P. horrida</i> Berthold	–	193	–	48	112	124	–	–	–	–	–	–	–	–	–	–
<i>Ptilothamnion</i> Thur.																
<i>P. pluma</i> (Dillwyn) Thur. ⁴⁷	20	193	50	48	180	124	123 ⁴⁸	10	–	245	167	–	–	31	183	133

Seirospora Harv.

<i>S. apiculata</i> (Menegh.) Feldm.-Maz.	—	19	49	48	121	124	123	208	—	—	167	—	—	—	—	—
<i>S. giraudyi</i> (Kütz.) De Toni	20	19	50	48	121	124	123	208	—	—	—	—	—	—	—	133
<i>S. interrupta</i> (Sm.) F. Schmitz	20	193	50	48	112	124 ⁵⁰	123 ⁵¹	92	149 ⁵²	—	—	—	—	—	—	—
<i>S. sphaerospora</i> Feldmann	20	193	50	48	180	124	102	91	—	—	—	—	—	—	183	—

Spermothamnion Aresch.

<i>S. flabellatum</i> Bornet																
f. <i>flabellatum</i>	20	193	50	48	112	124	123	10	—	15	167	32	176	31	—	133
f. <i>disporum</i> Feldm.-Maz. ⁵³	—	—	—	—	26	124	101	—	—	—	—	—	—	—	183	—
<i>S. irregulare</i> (J. Agardh) Ardiss.	20	19	50	48	112	124	123	10	—	—	—	—	—	—	—	—
<i>S. johannis</i> Feldm.-Maz.	20	19	50	48	180	124	226	—	—	—	—	—	—	31	—	133
<i>S. repens</i> (Dillwyn) Rosenv. ⁵⁴																
var. <i>repens</i>	20	19	50	48	121	124	123	10	—	15	167	32	—	31	183	—
var. <i>flagelliferum</i> (De Not.) Feldm.-Maz.	20	—	67	84	—	124	226	—	—	—	—	—	—	31	183	—
var. <i>variabile</i> (C. Agardh) Feldm.-Maz.	35	193	67	—	121	124	123	—	—	—	—	—	—	—	—	—
<i>S. strictum</i> (C. Agardh) Ardiss.	—	—	—	—	229	—	123	—	246	17	—	—	—	—	—	—

Sphondylothamnion Nägeli

<i>S. multifidum</i> (Huds.) Nägeli																
f. <i>multifidum</i>	20	193	50	48	112	124	123	10	—	—	167	—	—	—	209	—
f. <i>distichum</i> Feldm.-Maz. ⁵⁵	20	—	67	110	—	58	—	59	—	—	—	—	—	—	—	—

Spyridia Harv. in Hook.

<i>S. filamentosa</i> (Wulfen) Harv.	20	193	50	48	121	124	123	10	—	15 ⁵⁶	164	8	176	31	183	133
<i>S. hypnoides</i> (Bory) Papenf.	222	—	57	—	—	124	212	—	—	15	167	8	—	—	183	—
<i>S. aculeata</i> (C. Agardh ex Decaisne) Kütz.																

Tiffaniella Doty et Meñez

<i>T. capitata</i> (Schousb. ex Bornet) Doty et Meñez	65	—	—	—	—	80	—	—	—	—	—	—	—	—	183	—
Spermothamnion capitatum Schousb. ex Bornet																
<i>T. feldmanniae</i> (P. Huvé) Gillis et Coppejans ⁵⁸	—	—	144	—	—	—	—	—	—	—	—	—	—	—	—	—
Spermothamnion feldmanniae P. Huvé																

Vickersia Karsakoff

<i>V. baccata</i> (J. Agardh) Karsakoff	20	—	67	—	181	124	114	—	—	—	—	—	—	—	183	133
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Wrangelia C. Agardh

<i>W. penicillata</i> (C. Agardh) C. Agardh	20	193	50	48	121	124	123	10	—	15	98	—	176	31	183	—
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Delesseriaceae Bory

Acrosorium Zanardini ex Kütz.⁵⁹

<i>A. venulosum</i> (Zanardini) Kylin	20	193	50	48	121	124	123	10	—	15	167	8	132	31	183	133
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<i>Nitophyllum</i> Grev.																
<i>N. albidum</i> Ardiss.	33	—	—	—	1	124	123	—	—	—	—	—	—	—	183	133
<i>N. carybdaeum</i> Borzi																
<i>N. flabellatum</i> Erceg.	65	22	—	—	—	124	123	—	—	—	—	—	—	—	—	—
<i>N. micropunctatum</i> Funk	20	21	66	234	112	124	114	160	—	—	—	—	—	—	—	—
<i>N. punctatum</i> (Stackh.) Grev. ⁷³	20	193	50	48	112	124	123	10	246	15	98	8	—	31	183	—
<i>Radicilingua</i> Papenf.																
<i>R. adriatica</i> (Kylin) Papenf.	35	193	150	—	121	124	⁷⁴	—	—	—	—	—	—	—	183	—
<i>R. reptans</i> (Kylin) Papenf.	20	193	50	48	181	124	114	10	—	—	—	—	—	—	—	—
<i>R. thysanorhizans</i> (Holmes) Papenf.	20	19	50	84	—	124	123	—	—	15	—	8	—	—	—	—
<i>Taenioma</i> J. Agardh																
<i>T. nanum</i> (Kütz.) Papenf.	65	193	51	48	180	124	123	208	—	15	167	—	—	—	183	133
<i>T. macrourum</i> Thur.																
<i>T. perpusillum</i> (J. Agardh) J. Agardh	—	—	—	—	—	207	—	—	—	—	—	—	—	—	—	—
Dasyaceae Kütz.																
<i>Dasya</i> C. Agardh																
<i>D. baillouviana</i> (S. G. Gmel.) Mont.	20	193	50	48	180	124	123	10	246	245	167	8	—	31	183	133
<i>D. elegans</i> (G. Martens) C. Agardh																
<i>D. pedicellata</i> (C. Agardh) C. Agardh																
<i>D. corymbifera</i> J. Agardh	20	193	50	48	121	124	123	10	—	15	173	—	—	31	183	—
<i>D. hutchinsiae</i> Harv. ⁷⁵	20	193	50	48	121	124	123	10	246	15	167	8	132	31	183	133
<i>D. arbuscula sensu</i> Harvey																
<i>D. ocellata</i> (Gratel.) Harv. ⁷⁶	20	193	50	48	180	124	123	10	16	14	98	—	—	31	183	133
<i>D. punicea</i> (Zanardini) Menegh. ex Zanardini	20	193	—	—	180	124	123	10	—	15	98	—	132	—	—	—
<i>D. rigescens</i> Zanardini ⁷⁶	—	—	150	—	—	—	170	—	—	—	—	—	—	—	—	—
<i>D. rigidula</i> (Kütz.) Ardiss. ⁷⁷	20	193	50	48	121	124 ⁷⁸	123	92	—	15	98	32	176	31	183	133
<i>Dasyella</i> Falkenb.																
<i>D. gracilis</i> Falkenb.	20	—	69	—	112	—	—	—	—	—	—	—	—	—	—	—
<i>Eupogodon</i> Kütz.																
<i>E. apiculatus</i> (C. Agardh) P. C. Silva	—	—	—	—	—	—	—	—	246	—	—	—	—	—	—	—
<i>Dasyopsis apiculata</i> (C. Agardh) Zinova																
<i>E. penicillatus</i> (Zanardini) P. C. Silva	20	19	150	48	180	83	72	—	—	—	—	—	—	—	—	—
<i>Dasyopsis penicillata</i> (Zanardini) F. Schmitz																
<i>E. planus</i> (C. Agardh) Kütz.	20	193	50	48	121	124	123	10	—	15	167	8	176	31	183	133
<i>Dasyopsis plana</i> (C. Agardh) Zanardini																
<i>E. spinellus</i> (C. Agardh) Kütz. ⁷⁹	20	193	50	48	121	124	123	10	149	17	98	—	176	31	—	—
<i>Dasyopsis cervicornis</i> (J. Agardh) F. Schmitz																
<i>Dasyopsis spinella</i> (C. Agardh) Zanardini																
<i>E. cervicornis</i> (J. Agardh) Kütz.																

<i>C. capillaris</i> (Huds.) M. J. Wynne ⁸⁸	20	193	50	48	185	124	123	10	246	15	167	8	—	31	183	133
<i>C. tenuissima</i> C. Agardh																
<i>C. coerulescens</i> (J. Agardh) Falkenb.	20	193	—	84	121	124	123	10	—	—	156	—	132	31	183	133
<i>C. collinsiana</i> M. Howe ⁸⁹	—	—	—	—	—	—	—	10	—	17	—	—	—	—	—	—
<i>C. curvilineata</i> Collins et Herv.	—	—	235	235	—	—	—	—	—	—	—	235	—	—	—	—
<i>C. dasyphylla</i> (Woodw.) C. Agardh	20	—	50	48	121	124	123	10	246	15	164	8	176	31	183	133
<i>C. mairei</i> Feldm.-Maz. ⁹⁰	20	21	42	48	180	124	—	59	—	14	167	32	—	31	183	133
<i>C. polyrhiza</i> Collins et Herv.	—	—	—	—	—	58	—	10	—	—	—	—	—	—	—	—
<i>C. pygmaea</i> Garbary et Vandermeulen	—	—	—	—	—	75	114	—	—	—	—	—	—	—	—	—
<i>C. scintillans</i> Feldm.-Maz.	65	—	103	—	—	124	—	208	—	—	—	—	—	—	183	—
<i>Chondrophycus</i> (Tokida et Saito) Garbary et J. Harper ⁹¹																
<i>C. paniculatus</i> (C. Agardh) G. Furnari ⁹²	20	193	50	48	121	124	123	10	246	15	163	8	176	31	183	133
<i>Laurencia paniculata</i> (C. Agardh) J. Agardh																
<i>C. papillosus</i> (C. Agardh) Garbary et J. Harper	20	193	50	48	121	124	123	10	246	15	164	8	176	31	183	133
<i>Laurencia papillosa</i> (C. Agardh) Grev.																
<i>C. patentirameus</i> (Mont.) K. W. Nam	37	—	37	—	—	—	37	—	—	—	—	—	—	—	—	—
<i>Digenea</i> C. Agardh																
<i>D. simplex</i> (Wulfen) C. Agardh	65	193	⁹³	48	121	124	123	10	—	15	163	8	176	31	183	—
<i>Dipterosiphonia</i> F. Schmitz et Falkenb.																
<i>D. dendritica</i> (C. Agardh) F. Schmitz	221	—	—	48	180	—	—	—	—	—	—	32	—	—	—	—
<i>D. rigens</i> (Schousb. ex C. Agardh) Falkenb.	20	193	50	48	112	124	123	10	246	15	—	8	176	31	183	—
<i>Erythrocytis</i> J. Agardh																
<i>E. montagnei</i> (Derbès et Solier) P. C. Silva	65	193	50	48	121	124	123	10	—	15	167	32	176	31	—	—
<i>Ricardia montagnei</i> Derbès et Solier																
<i>Halopithys</i> Kütz.																
<i>H. incurva</i> (Huds.) Batters ⁹⁴	20	193	50	48	121	124	123	10	—	15	167	8	176	31	183	133
<i>Herposiphonia</i> Nägeli																
<i>H. secunda</i> (C. Agardh) Ambronn																
f. <i>secunda</i>	20	193	50	48	121	124	123	10	246	15	167	8	176	31	183	133
<i>H. tenella</i> (C. Agardh) Ambronn var. <i>secunda</i> (C. Agardh) Hollenb.																
f. <i>tenella</i> (C. Agardh) M. J. Wynne	20	193	50	48	180	124	123	10	246	15	167	8	176	31	183	133
<i>H. tenella</i> (C. Agardh) Ambronn																
<i>Janczewskia</i> Solms																
<i>J. verrucaeformis</i> Solms	—	—	50	48	112	129	123	208	—	—	167	8	132	—	183	—
<i>Laurencia</i> J. V. Lamour.																
<i>L. caduciramulosa</i> Masuda et Kawaguchi	—	—	—	—	—	115	—	—	—	—	—	—	—	—	—	—
<i>L. caspica</i> Zinova et Zaberzh. ⁹⁵	—	—	—	—	—	—	—	—	27	—	—	—	—	—	—	—
<i>L. chondrioides</i> Børgesen	36	36	—	—	—	36	114	—	—	—	—	—	—	—	—	—

List of Taxa and Their Distribution (Continued)

Taxa	Geographic regions															
	Sp	BI	Fr	CS	WI	Si	Ad	Gr	BS	Tu	LS	Eg	Li	Tn	Ag	Mo
<i>L. coronopus</i> J. Agardh ⁹⁶	–	–	29	–	–	–	–	–	246	–	–	–	–	–	–	–
<i>L. epiphylla</i> Boisset et Lino	38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>L. glandulifera</i> (Kütz.) Kütz.	–	–	–	–	197	58	114	–	–	–	–	–	–	–	–	–
<i>L. intricata</i> J. V. Lamour.	–	–	–	–	–	115	115	–	–	–	–	–	132	–	–	–
<i>L. majuscula</i> (Harv.) A. H. S. Lucas.	–	–	93 ⁹⁷	–	115	125	–	–	–	–	–	–	–	–	–	–
<i>L. microcladia</i> Kütz. ⁹⁸	20	193	232	48	180	124	114	10	–	–	–	32	–	–	209	133
<i>L. minuta</i> Vandermeulen, Garbary et Guiry spp. <i>scammaccae</i> G. Furnari et Cormaci	34	–	–	–	197	83	114	–	–	–	–	–	–	–	–	–
<i>L. obtusa</i> (Huds.) J. V. Lamour ^{99, 100}	20	193	50	48	121	124	123	10	246	15	164	8	176	31	183	133
<i>L. radicans</i> (Kütz.) Kütz. ¹⁰¹	–	–	–	–	–	–	123	–	149	15	–	–	–	–	–	–
<i>Lophocladia</i> (J. Agardh) F. Schmitz ¹⁰²																
<i>L. lallemandii</i> (Mont.) F. Schmitz	65	182	–	84	99	124	123	10	–	15	167	8	176	31	183	–
<i>L. trichocladus</i> (Mertens ex C. Agardh) F. Schmitz	–	–	–	48	–	–	–	–	–	10	–	–	–	–	–	–
<i>Lophosiphonia</i> Falkenb.																
<i>L. cristata</i> Falkenb.	20	19	68	48	180	124	114	10	–	15	156	32	176	–	–	133
<i>L. obscura</i> (C. Agardh) Falkenb. ¹⁰³	–	193 ¹⁰⁴	50	48	112	124	123 ¹⁰⁵	–	246	15	167	49	176	31	–	–
<i>L. reptabunda</i> (Suhr) Kylin	20	192	231	110	–	131	–	10	246	17	–	8	–	104	–	133
<i>Neosiphonia</i> M. S. Kim et I. K. Lee																
<i>N. elongella</i> (Harv.) M. S. Kim et I. K. Lee Polysiphonia <i>elongella</i> Harv.	222	–	–	–	191	124	123	–	16	17	–	–	132	–	–	–
<i>N. sphaerocarpa</i> (Børgesen) M. S. Kim et I. K. Lee Polysiphonia <i>sphaerocarpa</i> Børgesen	–	21	236	233	–	–	–	160	–	–	–	–	–	31	–	–
<i>Ophidocladus</i> Falkenb. in Engl. et Prantl																
<i>O. simpliciusculus</i> (P. Crouan et H. Crouan) Falkenb.	65	–	159	–	–	124	–	–	–	–	–	–	–	–	–	–
<i>Osmundaria</i> J. V. Lamour.																
<i>O. volubilis</i> (L.) R. E. Norris <i>Vidalia volubilis</i> (L.) J. Agardh	20	193	50	48	121	124	123	10	–	15	167	–	176	31	183	133
<i>Osmundea</i> Stackh.																
<i>O. maggsiana</i> Serio, Cormaci et G. Furnari	–	–	–	–	–	211	–	–	–	–	–	–	–	–	–	–
<i>O. pelagiensis</i> G. Furnari Laurencia <i>pelagiensis</i> Cormaci, G. Furnari et Serio ¹⁰⁶	–	–	–	–	–	81	114	–	–	–	–	–	–	–	–	–
<i>O. pelagosae</i> (Schiffn.) K. W. Nam Laurencia <i>pelagosae</i> (Schiffn.) Erceg. Rodríguezella <i>pelagosae</i> Schiffn.	20	193	50	48	121	124	123	–	–	15	–	–	–	31	–	–

<i>O. pinnatifida</i> (Huds.) Stackh. ¹⁰⁷	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39
<i>O. truncata</i> (Kütz.) K. W. Nam <i>et</i> Maggs ¹⁰⁷	20	193	50	48	121	124	123 ¹⁰⁸	10	246	15	167	8	132	31	183	133	
<i>Laurencia truncata</i> Kütz.																	
<i>O. verlaquei</i> G. Furnari	—	—	81	—	81	81	114	—	—	—	—	—	—	—	—	—	
<i>Laurencia verlaquei</i> Cormaci, G. Furnari <i>et</i> Serio ¹⁰⁹																	
<i>Polysiphonia</i> Grev.																	
<i>P. arachnoidea</i> (C. Agardh) Zanardini	—	—	110	—	110	124	123	—	—	17	98	—	—	136	183	—	
<i>P. atlantica</i> Kapraun <i>et</i> J. Norris	20	22	150	—	191	124	114	160	—	—	—	—	132	31	—	133	
<i>P. macrocarpa</i> Harv.																	
<i>P. atra</i> Zanardini	65	—	—	—	107	78	123	—	—	15	156	—	—	—	—	—	
<i>P. banyulensis</i> Coppejans	20	21	50	48	181	83	205	—	—	—	—	—	—	30	—	—	
<i>P. bififormis</i> Zanardini ^{111, 112}	20	193	50	48	121	124 ¹¹³	102 ¹¹⁴	10	—	—	—	—	—	—	—	—	
<i>Dasya corallicola</i> Funk																	
<i>P. breviarticulata</i> (C. Agardh) Zanardini	65	—	115	—	26	124	123	10	246	14	156	—	—	136	—	133	
<i>P. brodiei</i> (Dillwyn) Spreng. ¹¹⁶	20	—	50	—	—	124	123	10	246	17	—	—	—	—	—	133	
<i>P. ceramiaeformis</i> P. Crouan <i>et</i> H. Crouan	—	—	158	84	—	124	—	—	—	—	—	—	—	—	—	—	
<i>P. cladorrhiza</i> Ardiss.	65	—	—	48	121	124	123	—	—	—	—	—	—	136	—	—	
<i>P. denudata</i> (Dillwyn) Grev. <i>ex</i> Harv.	20	193	158	48	180	124	123	10	16 ¹¹⁷	15 ¹¹⁸	167	8	—	31	183	133	
<i>P. variegata</i> (C. Agardh) Zanardini																	
<i>P. derbesii</i> Solier <i>ex</i> Kütz.	—	193	50	84	—	124	123	208	—	—	—	—	—	31	—	—	
<i>P. deusta</i> (Roth) Spreng. ¹¹⁹	—	193	120	—	112	124	123	140	16	15 ¹²¹	—	—	—	136	178	—	
<i>P. biasolettoana</i> Zanardini																	
<i>P. dichotoma</i> Kütz.	20	193	50	84	185	124	123	—	—	17	167	—	—	—	—	133	
<i>P. elongata</i> (Huds.) Spreng. ¹²²	20 ¹²³	193	50	48	112	124	123	10	246	15	98	8	176	31	183	133	
<i>P. ferulacea</i> Suhr <i>ex</i> J. Agardh	—	—	236	—	—	—	—	—	—	—	124	—	—	—	—	—	
<i>P. fibrillosa</i> (Dillwyn) Spreng.	65	—	—	—	—	—	114	—	246	—	—	—	—	136	183	—	
<i>P. spinulosa</i> Grev.																	
<i>P. flexella</i> (C. Agardh) J. Agardh ¹¹²	65	193	157	48	112	124	123	—	—	—	—	—	—	31	183	—	
<i>P. flocculosa</i> (C. Agardh) Endl.	20	193	50	48	—	124	123	—	—	15	—	—	—	31	183	—	
<i>P. subcontinua</i> (C. Agardh) J. Agardh																	
<i>P. foeniculacea</i> (C. Agardh) Spreng.	—	193	125	84	—	124	123	208	—	—	—	—	—	31	—	—	
<i>P. fucoides</i> (Huds.) Grev.	65	—	237	—	112	124	123	140 ¹²⁶	246 ¹²⁷	15	—	—	—	31	183 ¹²⁸	133	
<i>P. nigrescens</i> (Huds.) Grev.																	
<i>P. violacea</i> (Roth) Spreng.																	
<i>P. funebris</i> De Not. <i>ex</i> J. Agardh	—	—	—	—	187	187	123	—	—	—	—	—	—	—	183	—	
<i>P. furcellata</i> (C. Agardh) Harv.	20	193	50	48	121	124	123	10	—	15	—	—	—	31	183	133	
<i>P. harveyi</i> Bailey	—	—	—	—	180	—	—	—	—	—	—	—	—	—	—	—	
<i>P. kampsaxii</i> Børgesen ¹²⁹	—	—	—	—	—	—	—	—	—	15	—	—	—	—	—	—	
<i>P. mottei</i> Lauret	20	—	157	84	—	124	—	—	—	—	167	32	—	—	209	—	
<i>P. opaca</i> (C. Agardh) Moris <i>et</i> De Not.	20	193	50	48	121	124	123	10	246	15	164	8 ¹³⁰	—	31	183	133	
<i>P. ornata</i> J. Agardh	—	22	—	234	121	124	123	10	—	17	—	—	—	—	—	—	
<i>P. paniculata</i> Mont.	—	—	158	48	—	—	166	—	16	—	—	—	—	—	—	—	

List of Taxa and Their Distribution (Continued)

Taxa	Geographic regions															
	Sp	BI	Fr	CS	WI	Si	Ad	Gr	BS	Tu	LS	Eg	Li	Tn	Ag	Mo
<i>P. perforans</i> Cormaci, G. Furnari, Pizzuto et Serio	–	–	–	–	–	77	77	–	–	–	–	–	–	–	–	–
<i>P. polyspora</i> (C. Agardh) Mont.	20	193	–	–	180	124	239	–	–	–	–	–	–	–	–	133
<i>P. sanguinea</i> (C. Agardh) Zanardini	65	19	50	–	112	124	123	10	246	17 ¹³¹	98	–	–	–	–	–
<i>P. scopulorum</i> Harv.	20	18	50	48	180	124	114	10	–	15	–	32	–	–	–	–
Lophosiphonia scopulorum (Harv.) Womersley																
<i>P. sertularioides</i> (Gratel.) J. Agardh	20	193	50	48	121	124	123	10	149	15	167	8	176	30	183	133
<i>P. setigera</i> Kütz.	20	19	157	84	121	122	123	–	–	–	–	–	–	30	–	–
<i>P. spinosa</i> (C. Agardh) J. Agardh	–	193	¹³²	48	121	124	123	208	–	–	–	–	–	31	–	–
<i>P. stricta</i> (Dillwyn) Grev.	–	–	¹³³	84	26	124	123	140 ¹³⁴	16	14	–	–	–	30	–	–
P. lepadicola (Lyngb.) Spreng.																
P. urceolata (Lightf. ex Dillwyn) Grev.																
<i>P. stiposa</i> Zanardini ex Kütz. ¹³⁵	20	22	–	–	121	124	123 ¹³⁶	208	–	14	–	–	–	–	–	–
P. foetidissima Cocks ex Bornet																
<i>P. subtilissima</i> Mont.	–	–	–	–	121	129	123	–	–	–	156	–	–	–	–	–
<i>P. subulata</i> (Ducluz.) P. Crouan et H. Crouan	20	193	50	48	180	124	114	–	246	17	156	–	–	136	183	–
P. montagnei De Not. ex J. Agardh																
P. violacea (Roth) Grev. f. subulata (Ducluz.) Hauck																
<i>P. subulifera</i> (C. Agardh) Harv.	20	193	50	48	121	124	123	10	246	14	98	–	176	31	183	–
<i>P. tenerrima</i> Kütz.	20	–	50	84	26	124	123	10	16	15	167	8	–	–	183	–
<i>P. tripinnata</i> J. Agardh	20	19	158	48	181	124	114	10	16	15	167	32	–	–	–	133
<i>Pterosiphonia</i> Falkenb.																
<i>P. ardreana</i> Maggs et Hommers. ¹³⁷	–	–	145	48	–	126	–	–	–	151	167	–	–	–	148	–
P. spinifera (Kütz.) Ardré var. robusta Ardré nom. inval.																
<i>P. complanata</i> (Clemente) Falkenb.	20	–	–	–	–	124	–	10	–	–	–	–	176	31	183	133
Polysiphonia complanata (Clemente) J. Agardh nom. illeg.																
<i>P. parasitica</i> (Huds.) Falkenb.	20	19	50	–	121	124	123	10	–	–	167	–	–	–	183	133
Polysiphonia parasitica (Huds.) Grev.																
<i>P. pennata</i> (C. Agardh) Sauv.	20	193	159	48	121	124	123	10	246	15	164	8	132	31	183	133
<i>Rodriguezella</i> F. Schmitz ex J. J. Rodr.																
<i>R. bornetii</i> (J. J. Rodr.) F. Schmitz ex J. J. Rodr.	20	193	–	48	–	124	123	–	–	–	–	–	–	31	–	–
<i>R. pinnata</i> (Kütz.) F. Schmitz ex Falkenb.	20	19	50	84	–	124	123	–	–	–	–	–	–	31 ¹³⁸	–	–
<i>R. strafforelloi</i> F. Schmitz ex J. J. Rodr. ¹³⁹	20	193	50	48	112	124	123	–	–	15	98	–	–	–	–	–
<i>Rytiphloea</i> C. Agardh																
<i>R. tinctoria</i> (Clemente) C. Agardh	20	193	50	48	121	124	123	10	–	15	164	8	176	31	183	133

- ¹⁷ This species is also cited from Ad 102 as *Ceramothamnion adriaticum* Schill.
- ¹⁸ All records are as '*deslongchampii*.' According to Maggs and Hommersand (1993), followed also by Silva *et al.* (1996), *C. strictum* (Kütz.) Rabenh. *nom. illeg.* (and consequently *C. diaphanum* var. *strictum*) is conspecific with *C. deslongchampii*. Both species have the same pattern of cortication and their apices are either straight or incurved (Maggs and Hommersand 1993: 52 and Feldmann-Mazoyer 1941: 309). We tentatively refer to this taxon the records from Sp 20, Si 83, and Gr 10 as *C. strictum* Harv., that from BS 246 as *C. strictum* Grev. *et* Harv. and that from Tu 245 as *C. strictum* (Kütz.) Feldmann, since it is unlikely that they refer to *C. strictum sensu* Harv. as circumscribed by Maggs and Hommersand (1993).
- ¹⁹ This species is also cited from BS 149 as *Ceramium corticatum* Kylin.
- ²⁰ Literature records are difficult to assess owing to taxonomic confusion. However, taking in consideration that most Mediterranean citations of *C. diaphanum* var. *diaphanum* were based upon Feldmann-Mazoyer's (1941) concept, i. e., on Harvey's specimens and illustration, they are placed here under *C. siliquosum* (see Maggs and Hommersand 1993).
- ²¹ This species is also cited in Ad 123 as *C. pygmaeum* (Kütz.) Schifffn. *C. pygmaeum* is a *nom. illeg.* being a later homonym of *C. pygmaeum* (Kütz.) Ardiss. = *C. diaphanum* (Lightf.) Roth.
- ²² This species includes var. *mediterraneum* Feldm.-Maz.
- ²³ Ballesteros (1990: 21) cited both *Ceramium flaccidum* and *C. taylorii* E. Y. Dawson, which are synonyms.
- ²⁴ The record of Di Martino and Giaccone (1996) from FR is considered doubtful by Verlaque and Bernard (1998).
- ²⁵ Reported as *C. flabelligerum* in Gr, but placed among *species excludenda* by Athanasiadis (1987: 78).
- ²⁶ *Ceramium giacconei* was described by Cormaci and Furnari (1991 b) to accommodate Mediterranean citations of *C. cingulatum*. Accordingly, all the citations of the latter are considered as misidentifications and transferred here to *C. giacconei*.
- ²⁷ According to Cormaci *et al.* (1995), this species is distinct from *C. codii* in the pattern of cortication (in *C. inconspicuum* each pericentral cell cut off obliquely two acropetal and two basipetal cells, while in *C. codii* no basipetal cells are produced) and in the apices (in *C. inconspicuum* apices have even outlines, while in *C. codii* apices are not even).
- ²⁸ The taxonomic status of *Ceramium petitii* requires further investigation.
- ²⁹ Silva *et al.* (1996) pointed out that *Ceramium nodulosum* (Lightf.) Ducluz., the name proposed by Maggs and Hommersand (1993) for the species commonly reported as *Ceramium rubrum* (Huds.) C. Agardh, cannot be used. We here follow Silva *et al.* (1996), who proposed to conserve *Ceramium rubrum auctorum*, as provided by Art. 14.1 and 14.9 of the ICBN (Greuter *et al.* 2000). *Ceramium rubrum* f. *decurrens* (J. Agardh) Kjellm., from the original description, can be considered as synonym of *C. rubrum* var. *rubrum*.
- ³⁰ Zinova (1967: 290–295) cited also *Ceramium arborescens* J. Agardh and *C. pedicellatum* (J. Agardh) J. Agardh (*nom. illeg.*), which are synonyms of *C. rubrum*. The possible synonymy between *C. arborescens* and *C. rubrum* is proposed by Garbary *et al.* (1978) and is accepted by Nielsen *et al.* (1995). This species is also cited from BS 94 as *C. areschougii* Kylin that according to Nielsen *et al.* (1995) is synonym of *C. rubrum*.
- ³¹ We follow Abdelahad and D'Archino (1998) in referring to Mediterranean records of *C. rubrum* var. *barbatum* (Kütz.) J. Agardh as well as of *C. nodulosum* var. *barbatum* to *C. secundatum*. The records of Sp 65, Mo 133 are cited as *C. nodulosum* var. *barbatum* and the records BI 193, Fr 50, CS 84, WI 121, Si 124, Ad 123, Tu 14, Eg 8, Tn 31 and Ag 183 are cited as *C. rubrum* var. *barbatum*.
- ³² Literature records are difficult to assess owing to taxonomic confusion. However, taking into account that most Mediterranean citations of *C. diaphanum* var. *diaphanum* were based upon Feldmann-Mazoyer's (1941) concept, i. e., on Harvey's specimens and illustration, they are placed here under *C. siliquosum* (see Maggs and Hommersand 1993). The records from Sp 20, BI 193, Fr 50, CS 48, Gr 10, BS 246, TU 15, LS 167, EG 8, Tn 31, Ag 183 are as *C. diaphanum* var. *diaphanum*.
- ³³ This taxon is cited also in Ad 123 as *Ceramium orthocladum* Schifffn. and as *C. diaphanum* var. *decipiens* Schifffn.
- ³⁴ This species was recorded before 1950 (Ollivier 1929, as *C. elegans*) and not mentioned later; its presence in Fr needs to be confirmed.
- ³⁵ According to Womersley (1978: 234), it is uncertain that the Mediterranean material ascribed to this species by Mazoyer (1938: 324), Feldmann-Mazoyer (1941: 289–293) and further Mediterranean authors is identical with the Japanese *C. tenerrimum*.
- ³⁶ For nomenclatural problems dealing with this genus and species, see Athanasiadis (1996 b: 104, footnote 226).
- ³⁷ This species was recorded before 1950 (Decrock 1914) and not mentioned later; its presence in Fr needs to be confirmed.
- ³⁸ Giaccone *et al.* (1986: 650–651) cited both *Centroceras pignattii* Giaccone and *Ceramium cinnabarinum* which are synonyms of *Corallophila cinnabarina*.
- ³⁹ Giaccone (1978: 64) cited also var. *maior* Erceg. which can be considered as a synonym of the autonym.
- ⁴⁰ The genus *Pseudocrouania* was created by Funk (1955) based on *P. ischiana*. Both the species and the genus were poorly described. *Pseudocrouania* was distinguished from *Crouania* on the basis of the tetrahedral (instead of cruciate) cleavage of tetrasporangia. In addition, Funk (1955) mentioned four whorl branchlets per axial cell, but he did not emphasize this feature, which should be of major importance, if correct (only three whorl branchlets exist in *Crouania*). Mayhoub (1976: 172–173), who examined the type material, a single slide in poor condition (this slide is lost at present; Buia, personal communication to G. Furnari), did not assess the number of whorl branchlets. In fact, further authors assigned to this species specimens with three whorl branchlets (Coppejans 1983: pl. 188). As far as the division of tetrasporangia is concerned, this criterion does not seem to have a high taxonomic value (Mayhoub 1976) although the tetrahedral cleavage of tetrasporangia appears to be a constant feature in material collected at the type locality, Castello Aragonese, Ischia Island (Boudouresque and Cinelli 1971: 11). Coppejans (1983: pls 187–189) pointed out additional differences with *C. attenuata*: diameter of the axes and shape of the apices. Although the specific status of this taxon remains unclear and requires taxonomic reinvestigation, it appears to be better accommodated within the genus *Crouania*.

- 41 Reported in Fr by Ben Maiz (1986: 37–39) with doubt. Reported in Ag by Perret-Boudouresque and Seridi (1989: 88) among *species inquirendae*.
- 42 Ercegović (1980) cited both *Griffithsia flosculosa* (J. Ellis) Rupr. and *Griffithsia setacea* (Huds.) C. Agardh which are synonyms.
- 43 This taxon has been thoroughly revised by Athanasiadis (1996 a). Accordingly, its geographical distribution in the Mediterranean, based on previous citations, should be considered with caution and requires further investigation.
- 44 Boudouresque *et al.* (1984: 49) cited both *Platythamnion plumula* var. *crispum* and var. *bebbii* which are synonyms of *Pterothamnion crispum*. Boudouresque *et al.* (1977) proposed the new combination '*Platythamnion plumula* (Ellis) *comb. nov.* var. *bebbii* (Reinsch) Feldmann'. Such a combination, which should be attributed to Boudouresque *et al.*, is invalid since the basionym was not cited directly as required by the ICBN.
- 45 Cited from Tu 17 as *Platythamnion plumula* (Ellis) Boudour. *et al.* var. *crispum* (Ducluz.) Hauck *comb. inval.*
- 46 This taxon has been thoroughly revised by Athanasiadis (1996 a). Accordingly, its geographical distribution in the Mediterranean, based on previous citations, should be considered with caution and requires further investigation.
- 47 According to Maggs and Hommersand (1993), *Spermothamnion barbatum* (Si 82, Tn 31, Ag 183) is a synonym of *Ptilothamnion pluma*.
- 48 Giaccone (1978: 66) cited both *Ptilothamnion pluma* and *P. micropterum* (Mont.) Bornet which are synonyms.
- 49 Species recorded before 1950 (Feldmann-Mazoyer 1941: 443) and not mentioned later. The presence of this species in Fr needs to be confirmed.
- 50 Giaccone *et al.* (1986: 665) cited both *Seirospora interrupta* and *S. seirosperma* (Harv.) Dixon, which are synonyms.
- 51 Giaccone (1978: 67) cited both *Seirospora interrupta* and *S. griffithsiana* Harv. which are synonyms.
- 52 This species includes var. *subtilissima* (De Not.) De Toni (BS 246).
- 53 Some records are as f. '*dispora*'.
- 54 This species includes var. *turneri* (Mertens) Rosenv. (Sp 20, Si 124, Ad 123).
- 55 Some records are as f. '*disticha*'.
- 56 This species is also cited from Tu 14 as *Spyridia villosiuscula* Kütz.
- 57 Species recorded before 1950 (Raphelis, 1907 as *S. aculeata*) and not mentioned later. The presence of this species in Fr needs to be confirmed.
- 58 The record is as '*feldmannae*'.
- 59 A second species of *Acrosorium*, *A. reptans* (P. Crouan *et* H. Crouan) Kylin [= *A. uncinatum* (Turner) Kylin var. *reptans* (P. Crouan *et* H. Crouan) Boudouresque *et al.*] is also recorded from the Mediterranean Sea. However, the type of its basionym *Nitophyllum reptans* P. Crouan *et* H. Crouan is regarded by Wynne (1989) as a prostrate growth form of *Cryptopleura ramosa*. Since prostrate young blades of *C. ramosa* cannot easily be separated, morphologically, from those of *Acrosorium venulosum* (see Maggs and Hommersand 1993: 257), it is highly probable that most Mediterranean citations of *A. reptans* are misidentifications of *A. venulosum* and therefore they have not been taken into consideration here.
- 60 According to Wynne (1989) the intended basionym of this taxon (*Fucus laceratus* var. *uncinatus* Turner) is referable to *Cryptopleura ramosa*, while records from Britain and Ireland of *A. uncinatum* should be referred to *A. venulosum*. We think that the same is true for Mediterranean records of taxa with the specific or infraspecific epithet '*uncinatum*'.
- 61 The taxonomic status of this species and its generic position require further investigations (sexual reproductive structures are unknown).
- 62 This species is also reported from Ad 170 as *Nitophyllum vidovichii* (Menegh.) Hauck.
- 63 The record from Mo 133 as *Cottoniella filamentosa* var. *filamentosa* should correspond to the var. *algeriensis* because the latter variety has been recorded from Alboran Island (near Morocco) and Algeria.
- 64 The record of *Hypoglossum hypoglossoides* [var. *hypoglossoides*] f. *profundum* (Erceg.) Span *et* Antolic *comb. inval.* (since the basionym was not cited directly as required by the ICBN) is included. Additionally, *H. woodwardii* var. *angustifolium* ('*angustifolia*') Kütz. (BS 16, Tu 17) and var. *penicillatum* ('*penicillata*') (Zanardini) De Toni (Ad 123) are also included.
- 65 Mediterranean species of this genus are of doubtful taxonomic position, because their plastid morphology does not correspond with that of the genus *Myriogramme* (Kylin 1924; Hommersand and Fredericq 1997 a,b). Therefore, in the absence of fertile specimens the taxonomic position of these species remains uncertain.
- 66 Due to the production of tetrasporangial sori directly on primary blades, as reported in *Nitophyllum carneum* J. J. Rodr. (Rodríguez Femenias 1889), the species falls within the circumscription of the genus *Myriogramme* Kylin. Barceló i Martí (1987) referred to *M. carnea* some sterile specimens, collected at Alicante (Spain), having a simple parietal, plate-like, plastid per cell. However, the occurrence of this character, if confirmed, could question the maintenance of the species in the genus *Myriogramme*.
- 67 From a nomenclatural point of view, even though in the title of his paper Boudouresque (1971 a) quoted this species as *M. distromaticum* (Rodríguez) *comb. nov.*, but since *Nitophyllum distromaticum* J. J. Rodr. is a *nomen nudum*, Boudouresque made a description of a new species rather than a new combination. According to Art. 37.2 of ICBN (Greuter *et al.*, 2000), the species was validly described since Boudouresque indicated as holotype two specimens, collected by Rodríguez Femenias, which are part of a single gathering. The species shows a single parietal, plate-like, fenestrate plastid per cell, and therefore does not fall within the circumscription of the genus *Myriogramme*.
- 68 According to Wynne (1994) the transfer of *Myriogramme minuta* Kylin to the genus *Drachiella* by Maggs and Hommersand (1993: 236) appears rather tenuous '...in that tetrasporangial sori are produced directly on the primary blade in *M. minuta*, not in special proliferations. This character typically serves to separate genera in this family...'. Further studies are clearly required.
- 69 Funk (1955: 105–106) combined his *Nitophyllum gaiolae* under the genus *Myriogramme* as *Myriogramme gaiolae* (Funk) Funk. The criteria upon which he based the distinction of his species from *M. minuta* are of poor taxonomic value; it seems to fall well within the range of variation of *M. minuta*. Accordingly, we consider *M. gaiolae* as a heterotypic synonym of *M. minuta*.
- 70 Funk (1955: 105–106) cited *Myriogramme minuta* and *M. gaiolae* from WI.

- ⁷¹ González García and Conde Poyales (1994) cite both *Myriogramme minuta* and *M. gaiolae* from Mo.
- ⁷² Since the species shows a single parietal, plate-like plastid per cell (Furnari *et al.* 1999 and Boudouresque, unpublished observations), it does not fall within the circumscription either of the genus *Nitophyllum* or of the genus *Myriogramme*. Furnari *et al.* (1999) recorded this species from the Adriatic Sea, as *Nitophyllum tristromaticum* Rodríguez *ex* Mazza, remarking that 'Boudouresque *in* Boudouresque *et al.* (1984:49) combined this species under the genus *Myriogramme* as *M. tristomatica* (J. J. Rodr. *ex* Mazza) Boudouresque but providing not taxonomic reasons'.
- ⁷³ This species includes var. *ocellatum* (Lamour.) Harv. (Si 124, Ad 123, BS 16, Tu 17) and var. *lobatum* Funk (WI 113). According to art. 36.2 of ICBN (Greuter *et al.*, 2000) the name of the last taxon is illegitimate since a Latin diagnosis was not given at the time of publication.
- ⁷⁴ This species was described by Kylin (1924) (as *Rhizoglossum adriaticum*) from the Adriatic, but it has not been recorded subsequently from there.
- ⁷⁵ *Dasya arbuscula* (Brown *ex* Dilwyn) C. Agardh is a taxonomic synonym of *Aglaothamnion sepositum* (Gunnerus) Maggs *et* Hommers. since its basionym *Conferva arbuscula* Brown *ex* Dilwyn belongs to the genus *Aglaothamnion* (Dixon 1960; Maggs and Hommersand 1993). However, we refer to *D. hutchinsiae* all records of *D. arbuscula* from the Mediterranean Sea thinking that they fall within Harvey's (1849: pl 224) taxonomic concept of the species (*D. arbuscula sensu* Harvey).
- ⁷⁶ De Toni (1903) treated *D. rigescens* Zanardini as a form of *D. ocellata*: *D. ocellata* f. *rigescens* (Zanardini) De Toni, but, according to Verlaque (pers. comm.) *D. rigescens* is a distinct species differing from *D. ocellata* in having stichidia borne on axes (borne on branchlets in *D. ocellata*).
- ⁷⁷ Athanasiadis (1987: 85) included, with doubt, this taxon among the synonyms of *D. hutchinsiae*.
- ⁷⁸ Giaccone *et al.* (1986: 675) cited both *Dasya rigidula* and *D. squarrosa* (Kütz.) Rabenh. which are synonyms.
- ⁷⁹ According to Jong *et al.* (1997) *Eupogodon cervicornis* is conspecific with *E. spinellus*.
- ⁸⁰ Many records are as either 'Halodyction' or 'Halodictyon'.
- ⁸¹ The presence of this species in the Mediterranean Sea requires confirmation.
- ⁸² The presence of this species in the Mediterranean Sea requires confirmation. If this was the case, some citations of *Acanthophora* should be critically re-examined.
- ⁸³ All records are as 'najadiformis'.
- ⁸⁴ Aysel (1997: 162) reported both *Alsidium corallinum* and *A. lanciferum* Kütz. which are synonyms.
- ⁸⁵ McIvor *et al.* (1999), on the basis of sequence data, indicated that *Boergesenella* cannot be supported as separate genus from *Polysiphonia*.
- ⁸⁶ This species includes var. *wulfenii* Bornet (WI 122, Si 124, Ad 123).
- ⁸⁷ This species was recorded before 1950 (Raphelis, 1907, as *Polysiphonia thuyoides*) but not mentioned later; its presence in Fr requires confirmation.
- ⁸⁸ This species includes *Chondria tenuissima* var. *uncinata* (Zanardini) De Toni (Ad 123) and f. *divergens* (J. Agardh) Hauck. (BS 27, Tu 17).
- ⁸⁹ The presence of this species in the Mediterranean Sea requires confirmation. According to Verlaque (1994: 5) the record from Greece (only one sterile specimen) may be referable to *C. curvilineata*.
- ⁹⁰ According to Boudouresque and Perret-Boudouresque (1987) this species may possibly represent dwarf but fertile specimens of *C. capillaris* (as *C. tenuissima*).
- ⁹¹ The genus name is treated as masculine according to Art. 62.2c of (Greuter *et al.* ICBN 2000)
- ⁹² *Laurencia paniculata* (C. Agardh) J. Agardh is an illegitimate name since it is a later homonym of *L. paniculata* Kütz., which probably corresponds to *Osmundea truncata*. Since the species (as of *L. paniculata*) was generally considered a synonym of *L. glandulifera*, all records but those from CS and Gr that according to Boisset *et al.* (2000) are based on specimens belonging to this taxon should be checked from a taxonomic point of view.
- ⁹³ Species recorded before 1950 (Ollivier 1929: 145) and not mentioned later. The presence of this species in Fr needs to be confirmed.
- ⁹⁴ All records are as 'incurvus'.
- ⁹⁵ A revision using recent taxonomic criteria is required in order to ascertain if *L. caspica* belongs to the genus *Laurencia* or to one of the two related genera *Chondrophyucus* and *Osmundea*.
- ⁹⁶ A revision using recent taxonomic criteria is required in order to ascertain if *L. coronopus* belongs to the genus *Laurencia* or to one of the two related genera *Chondrophyucus* and *Osmundea*.
- ⁹⁷ Verlaque and Bernard (1998) considered the record from Fr 93 as doubtful.
- ⁹⁸ Records of *Laurencia obtusa* var. *crucifera* Kütz. (WI 121, Ad 123, Gr 10, BS 16) and var. *gracilis* (C. Agardh) Zanardini (Fr 73, BS 16, Tu 15, Li 132) are included. Both taxa were considered as synonyms of *L. obtusa* var. *gelatinosa* (J. V. Lamour.) J. Agardh by Børgesen (1918) and by J. Agardh (1852, as *Chondria obtusa* var. *gracilis*), respectively. *Laurencia obtusa* var. *gelatinosa* was later considered by Taylor (1967) to be a synonym of *L. microcladia*. However, if the conspecificity between *L. gelatinosa* J. V. Lamouroux (1813) and *L. microcladia* Kütz. (1865) was confirmed, the species should be named *L. gelatinosa* since Lamouroux's epithet predates that of Kütz.ing.
- ⁹⁹ Even though Silva *et al.* (1996) treated *L. oophora* Kütz. as a distinct species, we follow Yamada (1931) in considering this taxon, recorded from LI (132), a synonym of *L. obtusa*.
- ¹⁰⁰ Furnari *et al.* (2001) included *Laurencia obtusa* var. *pulvinata* Feldmann (Fr 50, BS 27, Ag 183) among the heterotypic synonyms of *L. obtusa*.
- ¹⁰¹ A revision using recent taxonomic criteria is required.
- ¹⁰² Two species of the genus *Lophocladia* have been recorded from the Mediterranean Sea: *L. lallemandii* and *L. trichoclados*. They appear to differ from each other mainly in the branching pattern with secondary axes replacing trichoblasts or formed in axil of trichoblasts in the former and in the latter species, respectively. Boudouresque and Verlaque (1976) described specimens from Corsica showing secondary axes formed in axil of trichoblasts; but, since their specimens differ from *L. trichoclados* in other minor morphological characters, they referred them, with doubt, to that species. Conversely, Patzner (1999) records from Ibiza (BI) *L. lallemandii* with doubt. Balearic specimens show both branching patterns (L. Lavelli, pers. comm.), which questions the distinction of the two species or, at least,

- the taxonomic validity of this character to separate them. Being aware that further investigations are needed we maintain as separate the two taxa in this checklist.
- ¹⁰³ *Lophosiphonia obscura* is a species with 5–7 pericentral cells. In fact, this name has been largely misapplied to specimens with a larger number of pericentral cells, which actually belong to *L. reptabunda* (see Silva *et al.* 1996: 921–922). As a result, the geographical distribution of *L. obscura* that we present here, based upon the Mediterranean literature, must be considered cautiously.
- ¹⁰⁴ This species is also cited from BI 193 as *Lophosiphonia subadunca* (Kütz.) Falkenb. and *Polysiphonia barbatula* Kütz.
- ¹⁰⁵ This species is also cited from Ad 123 as *Lophosiphonia subadunca* and *Lophosiphonia intricata* Schiffn.
- ¹⁰⁶ *Laurencia pelagiensis* Cormaci *et al.* is a *nom. inval.* according to Art. 34.1 of ICBN (Greuter *et al.* 2000).
- ¹⁰⁷ On the basis of the paper by Furnari and Serio (1993), Mediterranean records of *L. pinnatifida* (= *Osmundea pinnatifida* (Huds.) Stack.) should be referred to as *Laurencia truncata* Kütz. (= *Osmundea truncata* (Kütz.) K. W. Nam *et Maggs*). The only presence of *L. pinnatifida* in the Mediterranean (as *O. pinnatifida*) is from Mo 39.
- ¹⁰⁸ Giaccone (1978: 73–74) cited both *Laurencia pinnatifida* (a misapplied name for *O. truncata*) and *L. truncata* (= *O. truncata*). Furnari *et al.* (1999: 54) cited *Osmundea ramosissima* (Oeder) Athanas., a misapplied name for *O. truncata*, since Nam *et al.* demonstrated that *O. ramosissima* is distinct from *O. truncata* and that only the latter species is confirmed to occur in the Mediterranean Sea.
- ¹⁰⁹ *Laurencia verlaquei* Cormaci *et al.* is a *nom. inval.* according to Art. 34.1 of ICBN (Greuter *et al.* 2000).
- ¹¹⁰ Species recorded before 1950 (Preda 1908) and not mentioned later. The presence of this species in Fr and WI needs to be confirmed.
- ¹¹¹ The conspecificity between *Dasya corallicola* Funk (1927) and *Polysiphonia biformis* is based on a later statement of Funk (1961) confirmed by a recent examination of Funk's original material made by G. Furnari (unpublished data).
- ¹¹² According to De Toni (1903: 916), *P. biformis* is a synonym of *Polysiphonia flexella* (C. Agardh) J. Agardh.
- ¹¹³ Giaccone *et al.* (1986: 673, 687) cited both *Dasya corallicola* and *Polysiphonia biformis*.
- ¹¹⁴ Ercegović (1980: 39, 40) cited both *Dasya corallicola* and *Polysiphonia biformis*.
- ¹¹⁵ This species was recorded before 1950 (Preda 1908) and not mentioned later; its presence in Fr requires confirmation.
- ¹¹⁶ Some records are as '*brodiaei*'.
- ¹¹⁷ This species is also cited from BS 16 as *Polysiphonia variegata* and as *P. vidovichii* Meneghini.
- ¹¹⁸ This species is also cited from Tu 14 as *Polysiphonia divergens* J. Agardh.
- ¹¹⁹ According to Feldmann (1981: 74) *Polysiphonia biasolettoana* (as '*biasolettiana*') is a synonym of *P. deusta*.
- ¹²⁰ This species was recorded before 1950 (Solier 1845) and not mentioned later; its presence in Fr requires confirmation.
- ¹²¹ This species is also cited from Tu 14 as *Polysiphonia biasolettoana* and as *P. nodulosa* J. Agardh.
- ¹²² This species includes var. *denudata* (C. Agardh) J. Agardh (BS 27).
- ¹²³ This species is also cited from Sp 65 as *Polysiphonia ruchingeri* (C. Agardh) Zanardini.
- ¹²⁴ Mayhoub (1976: 191) recorded this species from Syria and after his description he pointed out that the genus *Polysiphonia* needs to be revised. After checking the description and the illustrations of these specimens we are of the opinion that they do not correspond to *Polysiphonia ferulacea*.
- ¹²⁵ This species was recorded before 1950 (Preda 1908; Solier 1845, as *Polysiphonia hirta* J. Agardh) and not mentioned later; its presence in Fr requires confirmation.
- ¹²⁶ Reported from Gr as *Polysiphonia nigrescens* and *P. violacea* (see Athanasiadis 1987: 104–105 among *species excludenda*; Haritonidis and Tsekos 1976: 282).
- ¹²⁷ This species is also cited in BS 16 as *Polysiphonia aculeata* (C. Agardh) Mont. *ex De Not.*
- ¹²⁸ Reported from Ag as *Polysiphonia nigrescens* by Perret-Boudouresque and Seridi (1989: 84) among *species excludenda*.
- ¹²⁹ The presence of this species in the Mediterranean Sea requires confirmation.
- ¹³⁰ Aleem (1993: 102–103) cited both *P. opaca* and *Polysiphonia phleborhiza* Kütz., which are synonyms.
- ¹³¹ This species is also cited from Tu 14 as *Polysiphonia kellneri* Zanardini.
- ¹³² This species was recorded before 1950 (Ollivier 1929) and not mentioned later; its presence in Fr requires confirmation.
- ¹³³ This species was recorded before 1950 (Preda 1908, as *P. urceolata*) and not mentioned later; its presence in Fr requires confirmation.
- ¹³⁴ Reported from Gr as *Polysiphonia urceolata* (see Athanasiadis 1987: 104–105 among *species excludenda*; Haritonidis and Tsekos 1976: 282).
- ¹³⁵ Maggs and Hommersand (1993: 336) considered *Polysiphonia foetidissima* Cocks *ex* Bornet with a note: '*Polysiphonia stuposa* Zanardini *ex* Kütz. (1864, p. 18) predates *P. foetidissima*, with which it may be conspecific, although Bornet believed them to be separate; we have examined type material of this taxon (L 941. 242. 226), a fragment of the holotype specimen in MEL, which appears to be very similar to *P. foetidissima*'.
- ¹³⁶ Giaccone (1978: 76–77) cited both *P. stuposa* and *Polysiphonia foetidissima*.
- ¹³⁷ We refer to this species the records as *Pterosiphonia spinifera* since we think that authors most probably referred to the Mediterranean *P. spinifera* var. *robusta* Ardré *nom. inval.* (= *P. ardreana*) and not to the non-Mediterranean taxon *P. spinifera* var. *spinifera*.
- ¹³⁸ Ben Maiz *et al.* (1988: 277) cited both *Rodriguezella pinnata* and *R. pennata* Erceg., which are synonyms.
- ¹³⁹ All records are as '*strafforellii*'. Recorded from Ad 100 and Tu 15 as *Rodriguezella strafforellii* var. *crassicaulis* Erceg.
- ¹⁴⁰ This is the only record of this genus from the Mediterranean Sea. No further information was given about this taxon.

Nomenclatural changes

Ceramium siliquosum (Kütz.) Maggs *et* Hommers. [var. *zostericola*] f. *minusculum* ('*minuscula*') (Feldm.-

Maz.) *comb. nov.* Basionym: *Ceramium strictum* f. *minusculum* ('*minuscula*') G. Mazoyer (*Bull. Soc. Hist. Nat. Afr. N.* 29: 326, 1938). Homotypic synonym: *Ceramium diaphanum sensu* Feldm.-Maz. [var. *zostericola*] f. *minusculum* ('*minuscula*') (Feldm.-Maz.) Feldm.-Maz.

Feldmann-Mazoyer (1941) reduced *Griffithsia sphaerica* Schousb. ex C. Agardh and *Griffithsia irregularis* C. Agardh to a varietal rank within the species *Griffithsia flosculosa* (J. Ellis) Batters proposing the relative new combinations at pages 422 and 424, respectively. Since Maggs and Hommersand (1993) treated *Griffithsia flosculosa* as synonym of *Halurus flosculosus* (J. Ellis) Maggs et Hommers., the following new combinations are proposed:

Halurus flosculosus (J. Ellis) Maggs et Hommers. var. *irregularis* (C. Agardh) *comb. et stat. nov.* Basionym: *Griffithsia irregularis* C. Agardh (*Spec. alg.* 2: 130, 1828). Homotypic synonym: *Griffithsia flosculosa* (J. Ellis) Batters var. *irregularis* (C. Agardh) Feldm.-Maz.

Halurus flosculosus (J. Ellis) Maggs et Hommers. var. *sphaericus* (Schousb. ex C. Agardh) *comb. et stat. nov.* Basionym: *Griffithsia sphaerica* Schousb. ex C. Agardh (*Spec. alg.* 2: 130, 1828). Homotypic synonym: *Griffithsia flosculosa* (J. Ellis) Batters var. *sphaerica* (Schousb. ex C. Agardh) Feldm.-Maz.

Nomina nuda

Dasya elegans (G. Martens) C. Agardh var. *ramosissima* Schiffn.: (Ad 123 as *Dasya baillouviana* var. *ramosissima* Schiffn.)

Microgelidiopsis horrida Erceg.: (Ad 102)

Myriogramme unistromatica Coppejans: (Sp 199, Fr 50, Ad 114). Although illustrated by Coppejans (1983, pls 233–235), this taxon is a *nomen nudum* since requirements of both Art. 36.2 and Art. 37.1 of ICBN (Greuter *et al.* 2000) were not fulfilled. It should be noted that, because of the occurrence of a single parietal, plate-like, lobed plastid per cell, Coppejans' specimens do not seem to fall within the circumscription of the genus *Myriogramme* as recently defined by Hommersand and Fredericq (1997 a,b). In the absence of tetrasporangial and female fertile specimens, the generic position of this species remains uncertain

Nitophyllum magontanum J. J. Rodr.: (BI 193).

Rodriguezella ligulata Feldmann: (Sp 222, Fr 50, CS 48, Si 124, Ad 123, Tn 31).

Taxa excludenda

Aglaothamnion roseum (Roth) Maggs et L'Hardy-Halos: (FR 88, as *Callitamnion roseum* Roth). According to Maggs and Hommersand (1993) this is exclusively an Atlantic species.

Antithamnion antillanum Børgesen: According to Athanasiadis (1996 a) Mediterranean records of this species correspond to *A. decipiens*.

Carpoblepharis ceylanica Harv. ex Kütz.: (Si 220).

Ceramium cingulatum Weber Bosse: We follow Cormaci and Furnari (1991 b) in considering all the Mediterranean records of this species as misidentifications of *C. giacconeii*.

Chondria oppositoclada E. Y. Dawson: (Li 132).

Chondrophyucus intermedius (Yamada) Garbary et J. Harper ('*intermedia*'): (BS 16 as *Laurencia intermedia* Yamada). The presence of this Japanese species in the Black Sea is very doubtful.

Chondrophyucus perforatus (Bory) K. W. Nam ('*perforata*'): (Fr 190, Si 130, LS 156) as *Laurencia perforata* (Bory) Mont. Since neither descriptions nor illustrations were given in papers where the species is quoted, and taking into account the taxonomic complexity of the *Laurencia* complex, Mediterranean records of this species should be confirmed.

Chondrophyucus undulatus (Yamada) Garbary et J. Harper ('*undulata*'): (Fr 44, CS 48, WI 180, Si 124, Tn 31, Ag 183, Mo 133 as *Laurencia undulata* Yamada). According to Cormaci *et al.* (1994), Mediterranean citations of *Chondrophyucus undulatus* ('*undulata*') (Yamada) Garbary et J. Harper (*Laurencia undulata* Yamada) should be referred to either *Laurencia pelagiensis* or to *L. verlaquei*.

Compsothamnion decompositum (J. Agardh) Maggs et L'Hardy-Halos: (Sp 20, Gr 10 as *Callithamnion decompositum* J. Agardh). This species is not present in the Mediterranean Sea. The records should be referred to *Aglaothamnion tripinnatum* (C. Agardh) Feldm.-Maz.

Dasya elongata Sond.: We follow Athanasiadis (1987: 87) in considering this species recorded from Gr by Giaccone (1968) without any comments, as being incorrectly identified.

Dasya sinicola (Setch. et N. L. Gardner) E. Y. Dawson: (Tu 15). Since neither descriptions nor illustrations were given, the occurrence of this Indo-Pacific species in the Mediterranean Sea should be confirmed.

Dasya villosa Harv.: The species was recorded from Gr by Giaccone (1968) without any comments. Thus, Athanasiadis (1987: 87) considered it as being incorrectly identified. Since the record from Li by Godeh *et al.* (1992) is similarly without any comments, we think that the occurrence of this Pacific taxon in the Mediterranean Sea requires further study.

Delesseria sanguinea (Huds.) J. V. Lamour.: (Gr 230, Tu 14).

Drachiella heterocarpa (Chauv. ex Duby) Maggs et Hommers.: (Si 218 as *Nitophyllum versicolor* Harv.).

Griffithsia devoniensis Harv.: (Tu 15). The presence of this North Atlantic species in the Mediterranean Sea is very doubtful.

- Haraldiophyllum bonnemaisonii* (Kylin) Zinova: (Sp 65). This record is based on Conde (1984: 61) who considered it doubtful.
- Laurencia pyramidalis* Bory ex Kütz.: (Sp 65, Si 218 as *L. obtusa* var. *pyramidata* J. Agardh, Ad 210 as *L. obtusa* var. *pyramidata* J. Agardh, Gr 140 as *L. obtusa* var. *pyramidata* J. Agardh, Tu 14 as *L. obtusa* var. *pyramidata* J. Agardh). Since neither descriptions nor illustrations were given in papers where the species is quoted, and taking into account the taxonomic complexity of the *Laurencia* complex, Mediterranean records of this species should be confirmed.
- Leptosiphonia schousboei* (Thur.) Kylin: (Ag 183 as *species excludenda*).
- Membranoptera alata* (Huds.) Stackh.: (Fr 190 as *Dellesseria angustissima* Harv., Si 56 as *Hypoglossum alatum* Kütz.).
- Osmundea hybrida* (DC.) K. W. Nam: (Sp 65, Fr 190 as *Laurencia hybrida* (DC.) Lenorm. ex Duby, BS 246, Ag 183 as *Laurencia hybrida* (DC.) Lenorm. ex Duby. The occurrence of this species in both the Mediterranean and the Black Seas should be confirmed by a study of specimens using recent taxonomic criteria.
- Osmundea osmunda* (S. G. Gmel.) K. W. Nam et Maggs: [Si 124 as *Laurencia pinnatifida* (Huds.) J. V. Lamour. var. *osmunda* (S. G. Gmel.) Kütz.]. This record probably refers to *O. truncata* (Kütz.) K. W. Nam et Maggs.
- Polyneura bonnemaisonii* (C. Agardh) Maggs et Hommers.: The only record after 1950 of this species in the Mediterranean Sea is that of Rindi and Cinelli (1995: 106) with doubt from Sp. Therefore, the occurrence of this species in the Mediterranean Sea requires confirmation. This species was recorded from Fr by Decrock (1914) as *Nitophyllum hilliae* Grev.
- Polysiphonia fibrata* (Dilwyn) Harv.: (Fr 190). According to Maggs and Hommersand (1993) this is an Atlantic species that in the Mediterranean Sea could be confused with the closely similar species *Polysiphonia sertularioides* (Gratel.) J. Agardh.
- Polysiphonia gorgoniae* Harv.: This Red Sea species was reported from Alexandria, Egypt, as *Polysiphonia gorgonia*, by Nasr and Aleem (1949: 278) and Aleem (1951: 252), but was excluded from a later survey (Aleem 1993).
- Polysiphonia lanosa* (L.) Tandy: (Fr 88, Ad 123 as *Polysiphonia fastigiata* (Roth) Grev., Gr 137). It is an Atlantic species living exclusively as an epiphyte on *Ascophyllum nodosum* L. or on *Fucus vesiculosus* L.
- Polysiphonia nigra* (Huds.) Batters: (Fr 88, WI 113 as *Polysiphonia atrorubescens* (?), Si 124).
- Polysiphonia orthocarpa* Rosenv. (WI 180). The presence of this little known boreal taxon (South and Tittley 1986) in the Mediterranean Sea needs confirmation.
- Ptilota gunneri* P. C. Silva et al.: (Fr 147 and Tu 17 as *Ptilota plumosa auctorum*). Since neither descriptions nor illustrations were given, the occurrence of this Boreo-Atlantic species in the Mediterranean Sea should be confirmed.
- Rhodomela confervoides* (Huds.) P. C. Silva: (Fr 190). Since neither descriptions nor illustrations were given, the occurrence of this Boreo-Atlantic species in the Mediterranean Sea should be confirmed.
- Rhodoptilum plumosum* (Harv. et Bailey) Kylin: (Si 128 and Gr 120 and Tu 17 as *Dasyopsis plumosa* (Harv. et Bailey) F. Schmitz). According to Athanasiadis (1987: 87), the records of this Pacific taxon from the Mediterranean Sea are doubtful.

Taxa inquirenda

- Antithamnion cruciatum* var. *tenerum* Schiffn.: (Ad 123). See Athanasiadis 1996 a: 200.
- Callithamnion affine* Harv.: (Si 124, Ad 123).
- Ceramium ciliatum* var. *julaceum* (Kütz.) Schiffn.: (Ad 123).
- Ceramium derbesii* Solier ex Kütz.: (BI 193, WI 121, Si 124, Ad 72).
- Ceramium elegans* var. *diaphanoideum* Celan et Serbanescu: (BS 27).
- Ceramium elegans* f. *litorale* Celan et Serbanescu: (BS 27).
- Ceramium elegans* f. *longiarticulatum* ('longiarticulata') Celan et Serbanescu: (BS 27).
- Ceramium leptocladum* Schiffn.: (Ad 123).
- Ceramium pleurosporum* Schiffn.: (Ad 123).
- Ceramium pseudostrictum* Schiffn.: (Ad 123, Tu 17).
- Ceramium radiculosum* Grunov ex Hauck: (Ad 123). The status of this species, which seems to be related to *Ceramium petitii*, requires further investigation.
- Ceramium vatovai* Schiffn.: (Ad 123).
- Chondria fastigiata* Mont.: (Ag 183 as *species inquirenda*).
- Compsothamnion truncatum* (Menegh.) Nägeli: (Ad 188).
- Dasya pedicellata* (C. Agardh) C. Agardh var. *nudicaulis* E. Y. Dawson: (Tu 14).
- Dasya pedicellata* (C. Agardh) C. Agardh var. *stanfordiana* (Farl.) E. Y. Dawson: (Tu 14).
- Dasya sanguinea* Mont.: (Ag 183 as *species inquirenda*).
- Laurencia laxa* (Turner) Gaillon: (Li 132 as *Laurencia laxa* Kütz.).
- Laurencia obtusa* var. *laxa* (Turner) Ardiss.: (Fr 50, Gr 175, BS 16, Tu 15). A revision under recent taxonomic criteria is required.
- Laurencia uvifera* (Forssk.) Børgesen: (Tu 54).
- Nitophyllum marmoratum* J. J. Rodr.: (BI 193).
- Nitophyllum rotundum* Funk.: (BI 193, WI 112, Si 124).
- Polysiphonia adriatica* Schiffn.: (Sp 223, Fr 150, Si 124, Ad 123).

Polysiphonia beguinotii Schiffn.: (Ad 123).
Polysiphonia castagnei Kütz.: (Fr 188, WI 188, Ad 123).
Polysiphonia castelliana De Not. *et* L. Dufour: (Si 124, Li 176).
Polysiphonia denudata f. *fragilis* (Sperk) Woron.: (BS 246).
Polysiphonia neglecta Harv. *ex* Kütz.: (CS 84, WI 180, Si 124).
Polysiphonia parvula Surh *ex* Kütz.: (CS 84, Si 79, Ad 240, LS 156). The binomial *P. parvula* is a *nomen illegitimate* because it is a later homonym of both *P. parvula* (C. Agardh) Mont., a taxon of unknown application, and *P. parvula* Zanardini,

which A. De Toni (1907) referred to *Lophosiphonia subadunca* (= *L. obscura*).
Polysiphonia pulvinata (Roth) Spreng.: (BI 193, Fr 50, CS 48, WI 180, Si 124, Ad 123, Gr 208, BS 246, Eg 49, Li 132, Tn 136).
Polysiphonia radicans (Menegh.) J. Agardh: (Ad 170).
Polysiphonia requienii Mont. *ex* Kütz.: (Ad 123).
Pseudospora adriatica Schiffn.: (Ad 123).
Seiospora gaillonii (P. Crouan *et* H. Crouan) De Toni (Ad 123).
Seiospora humilis Kütz.: (WI 112, Ad 123).

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Alphabetical List of Taxa

(c = Nomenclatural change; i = Taxon *inquirendum*; e = Taxon *excludendum*; n = Note; nn = *Nomen nudum*)

- Acanthophora muscoides* (n82)
Acanthophora nayadiformis [najadiformis] (n83)
Acanthophora delilei
Acrosorium aglaophylloides
Acrosorium reptans (n59)
Acrosorium uncinatum var. *reptans* (n59)
Acrosorium uncinatum var. *venulosum*
Acrosorium venulosum (n59)
Acrosorium venulosum var. *uncinatum*
Acrothamnion preissii
Aglaothamnion bipinnatum
Aglaothamnion brodiei [brodiaei] (n2)
Aglaothamnion byssoides
Aglaothamnion caudatum
Aglaothamnion cordatum (n1)
Aglaothamnion feldmanniae
Aglaothamnion furcellariae (n6)
Aglaothamnion gallicum (n2)
Aglaothamnion hookeri (n3)
Aglaothamnion neglectum (n1)
Aglaothamnion roseum (e)
Aglaothamnion scopulorum (n4)
Aglaothamnion sepositum (n75)
Aglaothamnion tenuissimum var. *mazoyerae* (n5)
Aglaothamnion tenuissimum var. *tenuissimum* (n5)
Aglaothamnion tripinnatum
Alsidium corallinum (n84)
Alsidium helminthochorton
Alsidium lanciferum (n84)
Anotrichium barbatum
Anotrichium furcellatum (n8)
Anotrichium tenue
Antithamnion algeriense
Antithamnion amphigeneum
Antithamnion antillanum (e, n10)
Antithamnion cladodermum
Antithamnion compactum
Antithamnion cruciatum
Antithamnion cruciatum var. *cruciatum* f. *fragilissimum* [fragilissima] (n10)
Antithamnion cruciatum var. *cruciatum* f. *radicans* (n9)
Antithamnion cruciatum var. *profundum* (n9)
Antithamnion cruciatum var. *profundum* f. *radicans* (n9)
Antithamnion cruciatum var. *pumilum* (n9)
Antithamnion cruciatum var. *tenerum* (i)
Antithamnion decipiens (n10)
Antithamnion elegans
Antithamnion heterocladum
Antithamnion nipponicum
Antithamnion ogdeniae
Antithamnion pectinatum
Antithamnion piliferum
Antithamnion plumula
Antithamnion plumula var. *crispum*
Antithamnion plumula var. *refractum*
Antithamnion spirographidis
Antithamnion tenuissimum
Antithamnionella boergesenii
Antithamnionella elegans var. *boergesenii*
Antithamnionella elegans var. *decussata*
Antithamnionella elegans var. *elegans*
Antithamnionella spirographidis
Antithamnionella sublittoralis (n11)
Antithamnionella ternifolia
Aphanocladia stichidiosa
Apoglossum gregarium

- Apoglossum ruscifolium*
Arachnophyllum confervaceum (n61)
Balliella cladoderma
Boergeseniella deludens
Boergeseniella fruticulosa (n86)
Boergeseniella fruticulosa var. *wulfenii* (n86)
Boergeseniella thuyoides (n87)
Bornetia secundiflora
Bostrychia scorpioides
Brongniartella byssoides
Callithamniella tingitana
Callithamnion affine (i)
Callithamnion brodiei [brodiaei] (n2)
Callithamnion byssoides
Callithamnion caudatum
Callithamnion cordatum
Callithamnion corymbosum
Callithamnion decompositum (e, n7)
Callithamnion furcellariae
Callithamnion granulatam
Callithamnion hookeri (n3)
Callithamnion neglectum
Callithamnion roseum (e)
Callithamnion scopulorum
Callithamnion tenuissimum
Callithamnion tetragonum
Callithamnion tripinnatum
Carpoblepharis ceylanica (e)
Centroceras cinnabarinum
Centroceras clavulatum (n12)
Centroceras pignattii (n38)
Ceramium arborescens (n30)
Ceramium areschougii (n30)
Ceramium bertholdii (n13)
Ceramium ciliatum var. *ciliatum*
Ceramium ciliatum var. *julaceum* (i)
Ceramium ciliatum var. *robustum*
Ceramium cimbricum f. *cimbricum* (n16)
Ceramium cimbricum f. *flaccidum*
Ceramium cingulatum (e, n26)
Ceramium cinnabarinum (n38)
Ceramium circinatum
Ceramium circinatum var. *densecorticatum* (n16)
Ceramium circinatum var. *confluens* (n16)
Ceramium circinatum var. *transcurrens* (n16)
Ceramium codii (n17, 27)
Ceramium comptum
Ceramium corticatulum (n19)
Ceramium derbesii (i)
Ceramium deslongchampsii [deslongchampii] (n18, 19)
Ceramium diaphanum (n20, 21)
Ceramium diaphanum var. *decipiens* (n33)
Ceramium diaphanum var. *elegans*
Ceramium diaphanum var. *lophophorum*
Ceramium diaphanum var. *strictum* (n18)
Ceramium diaphanum var. *zostericola*
Ceramium diaphanum var. *zostericola* f. *acrocarpum*
Ceramium diaphanum var. *zostericola* f. *minusculum* (c)
Ceramium echionotum (n22)
Ceramium echionotum var. *mediterraneum* [mediterraneus] (n22)
Ceramium elegans (n34)
Ceramium elegans f. *litorale* (i)
Ceramium elegans f. *longiarticulatum* [longiarticulata] (i)
Ceramium elegans var. *diaphanoideum* (i)
Ceramium fastigiatum f. *flaccidum* [flaccida] (n15)
Ceramium fastigiatum var. *fastigiatum*
Ceramium fastigiramosum
Ceramium fastigiramosum f. *flaccidum*
Ceramium flabelligerum var. *flabelligerum* (n25)
Ceramium flabelligerum var. *mediterraneum*
Ceramium flaccidum (n23)
Ceramium gaditanum var. *gaditanum* (n24, 25)
Ceramium gaditanum var. *mediterraneum*
Ceramium giacconeii (n26)
Ceramium gracillimum
Ceramium gracillimum var. *byssoides*
Ceramium graecum
Ceramium incospicuum (n27)
Ceramium leptocladum (i)
Ceramium masonii
Ceramium nodosum
Ceramium nodulosum (n29)
Ceramium nodulosum var. *barbatum* (n31)
Ceramium ordinatum
Ceramium orthocladum (n33)
Ceramium pedicellatum (n30)
Ceramium petiti (n28)
Ceramium pleurosporum (i)
Ceramium pseudostrictum (i)
Ceramium pygmaeum (n21)
Ceramium radiculosum (i)
Ceramium rubrum var. *barbatum* (n31)
Ceramium rubrum var. *implexo-contortum*
Ceramium rubrum var. *rubrum* (n29)
Ceramium rubrum var. *rubrum* f. *decurrens* (n29)
Ceramium rubrum var. *tenue*
Ceramium secundatum (n31)
Ceramium siliquosum var. *elegans* (34)
Ceramium siliquosum var. *lophophorum*
Ceramium siliquosum var. *siliquosum* (n32, 33)
Ceramium siliquosum var. *zostericola* f. *zostericola*
Ceramium siliquosum var. *zostericola* f. *acrocarpum*
Ceramium siliquosum var. *zostericola* f. *minusculum* [minuscula] (c)
Ceramium strictum (n18)
Ceramium strictum f. *minusculum* [minuscula] (c)
Ceramium strobiliforme
Ceramium taylorii (n23)
Ceramium tenerrimum var. *brevizonatum*
Ceramium tenerrimum var. *tenerrimum* (n35)
Ceramium tenuissimum
Ceramium tenuissimum var. *tenellum*
Ceramium vatovai (i)

- Ceramothamnion adriaticum* (n17)
Chondria boryana
Chondria capillaris (n88, 90)
Chondria coerulescens
Chondria collinsiana (n89)
Chondria curvilineata (n89)
Chondria dasyphylla
Chondria fastigiata (i)
Chondria mairei (n90)
Chondria obtusa var. *gracilis* (n98)
Chondria oppositoclada (e)
Chondria polyrhiza
Chondria pygmaea
Chondria scintillans
Chondria tenuissima (n90)
Chondria tenuissima f. *divergens* (n88)
Chondria tenuissima var. *uncinata* (n88)
Chondriopsis mediterranea
Chondrophycus intermedius [intermedia] (e)
Chondrophycus paniculatus (n92)
Chondrophycus papillosus
Chondrophycus patentirameus
Chondrophycus perforatus [perforata] (e)
Chondrophycus undulatus [undulata] (e)
Compsothamnion decompositum (e, n7)
Compsothamnion gracillimum (n36)
Compsothamnion thuyoides
Compsothamnion truncatum (i)
Conferva arbuscula (n75)
Corallophila cinnabarina (n38)
Corynospora pedicellata
Cottoniella filamentosa var. *algeriensis*
Cottoniella filamentosa var. *filamentosa* (n63)
Cottoniella filamentosa var. *fusiformis*
Cottoniella fusiformis
Cottoniella libyensis
Crouania attenuata f. *attenuata* (n39)
Crouania attenuata f. *bispora*
Crouania attenuata var. *maior* (n39)
Crouania francescoi
Crouania ischiana (n40)
Crouaniopsis annulata
Cryptopleura ramosa (n59)
- Dasya arbuscula* (n75)
Dasya baillouviana
Dasya baillouviana var. *ramosissima* (nn)
Dasya corallicola (n111, 112, 113, 114)
Dasya corymbifera
Dasya elegans
Dasya elegans var. *ramosissima* (nn)
Dasya elongata (e)
Dasya hutchinsiae (n75, 77)
Dasya ocellata (n76)
Dasya ocellata f. *rigidens* (n76)
Dasya pedicellata
Dasya pedicellata var. *nudicaulis* (i)
Dasya pedicellata var. *stanfordiana* (i)
Dasya punicea
Dasya rigescens (n76)
- Dasya rigidula*
Dasya sanguinea (i)
Dasya sinicola (e)
Dasya squarrosa (n78)
Dasya villosa (e)
Dasyella gracilis
Dasyopsis apiculata
Dasyopsis cervicornis
Dasyopsis penicillata
Dasyopsis plana
Dasyopsis plumosa (e)
Dasyopsis spinella
Delesseria angustissima (e)
Delesseria sanguinea (e)
Digenea simplex (n93)
Dipterosiphonia dendritica
Dipterosiphonia rigens
Dohrniella nana
Dohrniella neapolitana
Drachiella heterocarpa (e)
Drachiella minuta (n68)
- Erythrocytis montagnei*
Erythroglossum balearicum
Erythroglossum laciniatum
Erythroglossum sandrianum
Eupogodon apiculatus
Eupogodon cervicornis (n79)
Eupogodon penicillatus
Eupogodon planus
Eupogodon spinellus (n79)
- Fucus laceratus* var. *uncinatus* (n60)
- Griffithsia arachnoidea* (n8)
Griffithsia barbata
Griffithsia corallinoides (n41)
Griffithsia devoniensis (e)
Griffithsia flosculosa var. *flosculosa*
Griffithsia flosculosa var. *irregularis* (c)
Griffithsia flosculosa var. *sphaerica* (c)
Griffithsia furcellata
Griffithsia genovefae
Griffithsia irregularis (c)
Griffithsia opuntioides
Griffithsia phyllamphora
Griffithsia schousboei var. *minor*
Griffithsia schousboei var. *schousboei*
Griffithsia setacea (n42)
Griffithsia sphaerica (c)
Griffithsia tenuis
Gulsonia nodulosa
Gymnothamnion elegans
- Halopithys incurva* [incurvus] (n94)
Halosia elisae
Halurus equisetifolius
Halurus flosculosus var. *flosculosus* (n8, 42)
Halurus flosculosus var. *irregularis* (c)
Halurus flosculosus var. *sphaericus* (c)
Halydictyon [Halodyction, Halodictyon] *mirabile* (n80)

- Haraldia lenormandii*
 Haraldiophyllum bonnemaisonii (e)
Herposiphonia secunda f. *secunda*
Herposiphonia secunda f. *tenella*
Herposiphonia tenella
Herposiphonia tenella var. *secunda*
Heterosiphonia crispella
Heterosiphonia plumosa (n81)
Heterosiphonia wurdemannii
Hypoglossum alatum (e)
Hypoglossum crispum
Hypoglossum hypoglossoides
Hypoglossum hypoglossoides f. *profundum* (n64)
Hypoglossum woodwardii
Hypoglossum woodwardii var. *angustifolium* [angustifolia] (n64)
Hypoglossum woodwardii var. *penicillatum* (n64)
- Janczewskia verrucaeformis*
- Laurencia caspica* (n95)
Laurencia chondrioides
Laurencia coronopus (n96)
Laurencia epiphylla
Laurencia gelatinosa (n98)
Laurencia glandulifera (n92)
Laurencia hybrida (e)
Laurencia intermedia (e)
Laurencia intricata
Laurencia laxa (i)
Laurencia majuscula (n97)
Laurencia microcladia (n98)
Laurencia minuta subsp. *scammaccae*
Laurencia obtusa (n 99, 100)
Laurencia obtusa var. *crucifera* (n98)
Laurencia obtusa var. *gelatinosa* (n98)
Laurencia obtusa var. *gracilis* (n98)
Laurencia obtusa var. *laxa* (i)
Laurencia obtusa var. *pulvinata* (n100)
Laurencia obtusa var. *pyramidata* (e)
Laurencia oophora (n99)
Laurencia paniculata (n92)
Laurencia papillosa
Laurencia pelagiensis (n106)
Laurencia pelagosae
Laurencia perforata (e)
Laurencia pinnatifida (n107, 108)
Laurencia pinnatifida var. *osmunda* (e)
Laurencia pyramidalis (e)
Laurencia radicans (n101)
Laurencia truncata (n107, 108)
Laurencia undulata (e)
Laurencia uvifera (i)
Laurencia verlaquei (n109)
- Lejolisia mediterranea*
Leptosiphonia schousboei (e)
Lophocladia lallemandii (n102)
Lophocladia trichoclados (n102)
Lophosiphonia cristata
Lophosiphonia intricata (n105)
- Lophosiphonia obscura* (n103,104,105)
Lophosiphonia reptabunda (n103)
Lophosiphonia scopulorum
Lophosiphonia subadunca (n103, 104, 105)
- Membranoptera alata (e)
 Mesothamnion caribaeum
Microcladia glandulosa
Microgelidiopsis horrida (nn)
Monosporus pedicellatus var. *pedicellatus*
Monosporus pedicellatus var. *tenuis*
Myriogramme carnea (n66)
Myriogramme distromatica (n67)
Myriogramme gaiolae (n69, 70, 71)
Myriogramme minuta (n68, 69, 70, 71)
Myriogramme tristromatica (n72)
Myriogramme unistromatica (nn)
- Neomonospora furcellata
 Neomonospora pedicellata var. *pedicellata*
 Neomonospora pedicellata var. *tenuis*
Neosiphonia elongella
Neosiphonia sphaerocarpa
Nitophyllum albidum
Nitophyllum carneum (n66)
Nitophyllum carybdaeum
Nitophyllum confervaceum
Nitophyllum distromaticum (n67)
Nitophyllum flabellatum
Nitophyllum gaiolae (n69)
Nitophyllum hilliae (e)
Nitophyllum magontanum (nn)
Nitophyllum marmoratum (i)
Nitophyllum micropunctatum
Nitophyllum punctatum
Nitophyllum punctatum var. *lobatum* (n73)
Nitophyllum punctatum var. *ocellatum* (n73)
Nitophyllum reptans (n59)
Nitophyllum rotundum (i)
Nitophyllum tristromaticum (n72)
Nitophyllum versicolor (e)
Nitophyllum vidovichii (n62)
- Ophidocladus simpliciusculus*
Osmundaria volubilis
Osmundea hybrida (e)
Osmundea maggsiana
Osmundea osmunda (e)
Osmundea pelagiensis
Osmundea pelagosae
Osmundea pinnatifida (n107, 108)
Osmundea ramosissima (n108)
Osmundea truncata (n107, 108)
Osmundea verlaquei
- Platythamnion plumula* var. *bebbii* (n44)
Platythamnion plumula var. *crispum* (n44, 45)
Platythamnion plumula var. *plumula* (n45)
Pleonosporium borrii
Pleonosporium caribaeum
Polyneura bonnemaisonii (e)

- Polysiphonia aculeata* (n127)
Polysiphonia adriatica (i)
Polysiphonia arachnoidea (n110)
Polysiphonia atlantica
Polysiphonia atra
Polysiphonia atrorubescens (e)
Polysiphonia banyulensis
Polysiphonia barbatula (n104)
Polysiphonia beguinottii (i)
Polysiphonia biasolettoana [biasolettiana] (n119, 121)
Polysiphonia biformis (n111, 112, 113, 114)
Polysiphonia breviarticulata (n115)
Polysiphonia brodiei [brodiaei] (n116)
Polysiphonia byssoides
Polysiphonia castagnei (i)
Polysiphonia castelliana (i)
Polysiphonia ceramiaeformis
Polysiphonia cladorrhiza
Polysiphonia complanata
Polysiphonia deludens
Polysiphonia denudata (n117, 118)
Polysiphonia denudata f. *fragilis* (i)
Polysiphonia derbesii
Polysiphonia deusta (n119, 120, 121)
Polysiphonia dichotoma
Polysiphonia divergens (n118)
Polysiphonia elongata (n123)
Polysiphonia elongata var. *denudata* (n122)
Polysiphonia elongella
Polysiphonia fastigiata (e)
Polysiphonia ferulacea (n124)
Polysiphonia fibrata (e)
Polysiphonia fibrillosa
Polysiphonia flexella (n112)
Polysiphonia flocculosa
Polysiphonia foeniculacea (n125)
Polysiphonia foetidissima (n135, 136)
Polysiphonia fruticulosa
Polysiphonia fucoides (n126, 127, 128)
Polysiphonia funebris
Polysiphonia furcellata
Polysiphonia gorgoniae [gorgonia] (e)
Polysiphonia harveyi
Polysiphonia hirta (n125)
Polysiphonia kampsaxii (n129)
Polysiphonia kellneri (n131)
Polysiphonia lanosa (e)
Polysiphonia lepadicola
Polysiphonia macrocarpa
Polysiphonia montagnei
Polysiphonia mottei
Polysiphonia neglecta (i)
Polysiphonia nigra (e)
Polysiphonia nigrescens (n126, 128)
Polysiphonia nodulosa (n121)
Polysiphonia opaca (n130)
Polysiphonia ornata
Polysiphonia orthocarpa (e)
- Polysiphonia paniculata*
Polysiphonia parasitica
Polysiphonia parvula (i)
Polysiphonia perforans
Polysiphonia phleborhiza (n130)
Polysiphonia polyspora
Polysiphonia pulvinata (i)
Polysiphonia radicans (i)
Polysiphonia requienii (i)
Polysiphonia ruchingeri (n123)
Polysiphonia sanguinea (n131)
Polysiphonia scopulorum
Polysiphonia sericea
Polysiphonia sertularioides
Polysiphonia setacea
Polysiphonia setigera
Polysiphonia sphaerocarpa
Polysiphonia spinosa
Polysiphonia spinulosa
Polysiphonia stricta (n133, 134)
Polysiphonia stuposa (n136)
Polysiphonia subcontinua
Polysiphonia subtilissima
Polysiphonia subulata
Polysiphonia subulifera
Polysiphonia tenerrima
Polysiphonia thuyoides (n87)
Polysiphonia tripinnata
Polysiphonia urceolata (n133, 134)
Polysiphonia variegata (n117)
Polysiphonia vidovichii (n117)
Polysiphonia violacea (n126)
Polysiphonia violacea f. *subulata*
Pseudocrouania ischiana (n40)
Pseudospora adriatica (i)
Pterosiphonia ardreana (n137)
Pterosiphonia complanata
Pterosiphonia parasitica
Pterosiphonia pennata
Pterosiphonia spinifera (n137)
Pterosiphonia spinifera var. *robusta* (n137)
Pterosiphonia thuyoides
Pterothamnion crispum (n43, 44, 45)
Pterothamnion plumula subsp. *haplokladion*
Pterothamnion plumula subsp. *plumula* (n46)
Pterothamnion plumula var. *bebbii*
Pterothamnion polyacanthum
Ptilocladopsis horrida
Ptilota gunneri (e)
Ptilota plumosa (e)
Ptilothamnion micropterum (n48)
Ptilothamnion pluma (n47, 48)
- Radicilingua adriatica*
Radicilingua reptans
Radicilingua thysanorhizans
Rhizoglossum adriaticum (n74)
Rhodomela confervoides (e)
Rhodoptilum plumosum (e)
Ricardia montagnei

- Rodriguezella bornetii*
Rodriguezella ligulata (nn)
Rodriguezella pelagosae
Rodriguezella pennata (n138)
Rodriguezella pinnata
Rodriguezella strafforelloii [strafforellii]
Rodriguezella strafforellii var. *crassicaulis* (n139)
Rytiphloea tinctoria
Seiospora apiculata (n49)
Seiospora byssoides (n6)
Seiospora gaillonii (i)
Seiospora giraudyi
Seiospora griffithsiana (n51)
Seiospora humilis (i)
Seiospora interrupta (n50, 51, 52)
Seiospora interrupta var. *subtilissima* (n52)
Seiospora seiosperma (n50)
Seiospora sphaerospora
Spermothamnion barbatum (n47)
Spermothamnion capitatum
Spermothamnion feldmanniae
Spermothamnion flabellatum f. *disporum* [dispora] (n53)
Spermothamnion flabellatum f. *flabellatum*
Spermothamnion irregulare
Spermothamnion johannis
Spermothamnion repens var. *flagelliferum*
Spermothamnion repens var. *repens*
Spermothamnion repens var. *turneri* (n54)
Spermothamnion repens var. *variabile*
Spermothamnion strictum
Sphondylothamnion multifidum f. *distichum* [disticha] (n55)
Sphondylothamnion multifidum f. *multifidum*
Spyridia aculeata (n57)
Spyridia filamentosa
Spyridia hypnoides (n57)
Spyridia villosiuscula (n56)
Stichothamnion cymatophilum
Streblocladia collabens
Symphycladia sp (n140)
Taenioma macrourum
Taenioma nanum
Taenioma perpusillum
Tiffaniella capitata
Tiffaniella feldmanniae [feldmanniae] (n58)
Vickersia baccata
Vidalia volubilis
Womersleyella setacea
Wrangelia penicillata