

Supplement 13 - 2021

ISBN - 978-989-33-3480-5

ARQUIPELAGO

LIFE AND MARINE SCIENCES

Supplement 13

Updated checklist of the marine macroalgae of the Azores archipelago

Ana I. Neto, Ignacio Moreu,

Eva Cacabelos and Manuela I. Parente

ARQUIPELAGO

Life and Marine Sciences

SCOPE

ARQUIPELAGO - Life and Marine Sciences, publishes annually original scientific articles, short communications, and reviews on the terrestrial and marine environment of Atlantic oceanic islands and seamounts.

PUBLISHER

University of the Azores
Rua da Mãe de Deus, 58
PT – 9500-321 Ponta Delgada, Azores, Portugal

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INTERNET RESOURCES

<http://www.oceanos.uac.pt/arquipelago>

FINANCIAL SUPPORT

Este trabalho é financiado pelo FEDER em 85% e por fundos regionais em 15%, através da Programa Operacional Açores 2020, no âmbito do projeto « ACORES-01-0145-FEDER-000072 / This work was financed by FEDER in 85% and by Azorean Public funds by 15% through Operational Program Azores 2020, under the project AZORESBIOPORTAL –PORBIOTA (ACORES-01-0145-FEDER-000072).

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This supplement should be cited as follows:

Ana I. Neto, Ignacio Moreu, Eva Cacabelos and Manuela I. Parente 2021. Updated checklist of the marine macroalgae of the Azores archipelago. *Arquipelago*. Life and Marine Sciences. Supplement 13. 124 pp.

Supplement 13 is available online at:

<http://www.oceanos.uac.pt/arquipelago>

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CONTENTS

INTRODUCTION.....	2
METHODOLOGY	3
RESULTS.....	4
TAXONOMIC ACCOUNT	10
Phyllum Rhodophyta Wettstein 1901	10
Order Stylonematales K.M. Drew 1956.....	10
Family Stylonemataceae K.M. Drew 1956	10
<i>Stylonema alsidii</i> (Zanardini) K.M. Drew	10
<i>Stylonema cornu-cervi</i> Reinsch	10
Order Erythropeltales Garbary, G.I. Hansen & Scagel 1980	10
Family Erythrotrichiaceae G.M. Smith 1933	10
<i>Erythrotrichia carnea</i> (Dillwyn) J. Agardh	10
<i>Porphyrostromium ciliare</i> (Carmichael) M.J. Wynne	10
Family Bangiaceae Duby 1830	10
<i>Bangia fuscopurpurea</i> (Dillwyn) Lyngbye.....	10
<i>Neopyropia leucosticta</i> (Thuret) L.-E. Yang & J. Brodie.....	11
<i>Porphyra atropurpurea</i> (Olivi) De Toni.....	11
<i>Porphyra linearis</i> Greville	11
<i>Porphyra umbilicalis</i> Kützing.....	11
Order Hildenbrandiales Pueschel & K.M. Cole 1982.....	11
Family Hildenbrandiaceae Rabenhorst 1868	11
<i>Hildenbrandia crouaniorum</i> J. Agardh	11

<i>Hildenbrandia rubra</i> (Sommerfelt) Meneghini	11
Order Colaconematales J.T. Harper & G.W. Saunders 2002	11
Family Colaconemataceae J.T. Harper & G.W. Saunders 2002.....	11
<i>Colaconema codicola</i> (Børgesen) Stegenga, J.J. Bolton & R.J. Anderson.....	11
Order Acrochaetiales Feldmann 1953.....	12
Family Acrochaetiaceae Melchior 1954.....	12
<i>Acrochaetium cheminii</i> J. Feldmann	12
<i>Acrochaetium crassipes</i> (Børgesen) Børgesen	12
<i>Acrochaetium microscopicum</i> (Nägeli ex Kützing) Nägeli.....	12
Family Rhodochortonaceae.....	12
<i>Rhodochorton purpureum</i> (Lightfoot) Rosenvinge.....	12
Order Nemaliales F. Schmitz 1892	12
Family Scinaiaceae Huisman, J.T. Harper & G.W. Saunders	12
<i>Scinaia acuta</i> M.J. Wynne.....	12
<i>Scinaia complanata</i> (Collins) A.D. Cotton	12
<i>Scinaia furcellata</i> (Turner) J. Agardh.....	12
<i>Scinaia interrupta</i> (A.P. de Candolle) M.J. Wynne.....	12
Family Liagoraceae Kützing 1843	13
<i>Liagora distenta</i> (Mertens ex Roth) J.V. Lamouroux.....	13
<i>Liagora maderensis</i> Kützing	13
<i>Liagora tetrasporifera</i> Børgesen.....	13
<i>Liagora viscida</i> (Forsskål) C. Agardh	13
<i>Neoizziella divaricata</i> (C.K. Tseng) S.-M. Lin, S.-Y. Yang & Huisman.....	13
Family Nemaliaceae De Toni & Levi 1886.....	13
<i>Nemalion elminthoides</i> (Velley) Batters.....	13
<i>Nemalion lubricum</i> Duby	13
Order Corallinales P.C. Silva & H.W. Johansen 1986	14
Family Corallinaceae J.V. Lamouroux 1812	14
<i>Corallina ferreyrae</i> E.Y. Dawson, Acleto & Foldvik.....	14
<i>Corallina officinalis</i> Linnaeus.....	14
<i>Ellisolandia elongata</i> (J. Ellis & Solander) K.R. Hind & G.W. Saunders	14
<i>Jania capillacea</i> Harvey.....	14
<i>Jania crassa</i> J.V. Lamouroux	15
<i>Jania longifurca</i> Zanardini	15
<i>Jania pedunculata</i> var. <i>adhaerens</i> (J.V. Lamouroux) A.S. Harvey, Woelkerling & Reviere	15
<i>Jania pumila</i> J.V. Lamouroux	15
<i>Jania rubens</i> (Linnaeus) J.V. Lamouroux	15
<i>Jania rubens</i> var. <i>corniculata</i> (Linnaeus) Yendo	16
<i>Jania squamata</i> (Linnaeus) J.H. Kim, Guiry & H.-G. Choi	16
<i>Jania verrucosa</i> J.V. Lamouroux.....	16
<i>Jania virgata</i> (Zanardini) Montagne	16
Order Hapalidiales W.A. Nelson, J.E. Sutherland, T.J. Farr & H.S. Yoon in W.A. Nelson & al. 2015	17
Family Hapalidiaceae J.E. Gray 1865.....	17
<i>Choreonema thuretii</i> (Bornet) F. Schmitz	17
<i>Melobesia membranacea</i> (Esper) J.V. Lamouroux	17
Family Mesophyllumaceae C.W. Schneider & M.J. Wynne 2019.....	17
<i>Mesophyllum expansum</i> (Philippi) Cabioch & M.L. Mendoza.....	17

Updated checklist of the marine macroalgae of the Azores archipelago

Family Spongitaceae Kützing 1843	17
<i>Neogoniolithon brassica-florida</i> (Harvey) Setchell & L.R. Mason	17
<i>Spongites fruticosus</i> Kützing.....	17
Family Porolithaceae R.A. Townsend & Huisman 2018	17
<i>Porolithon onkodes</i> (Heydrich) Foslie	17
Family Lithophyllaceae Athanasiadis 2016	18
<i>Lithophyllum azorum</i> M. Lemoine.....	18
<i>Lithophyllum bipartitum</i> M. Lemoine	18
<i>Lithophyllum crouaniorum</i> Foslie	18
<i>Lithophyllum decussatum</i> (J. Ellis & Solander) Philippi	18
<i>Lithophyllum esperi</i> (M. Lemoine) South & Tittley.....	18
<i>Lithophyllum incrustans</i> Philippi	18
<i>Lithophyllum prototypum</i> (Foslie) Foslie	18
<i>Lithophyllum vickersiae</i> M. Lemoine.....	18
<i>Tenarea tortuosa</i> (Esper) M. Lemoine	18
<i>Titanoderma pustulatum</i> (J.V. Lamouroux) Nägeli.....	19
<i>Amphiroa beauvoisii</i> J.V. Lamouroux	19
<i>Amphiroa cryptarthrodia</i> Zanardini	19
<i>Amphiroa exilis</i> Harvey	19
<i>Amphiroa</i> (Linnaeus) J.V. Lamouroux	19
<i>Amphiroa fragilissima</i> f. <i>cyathifera</i> (J.V. Lamouroux) Weber-van Bosse.....	20
<i>Amphiroa rigida</i> J.V. Lamouroux.....	20
Family Lithothamniaceae H.J. Haas 1886	20
<i>Phymatolithon calcareum</i> (Pallas) W.H. Adey & D.L. McKibbin ex Woelkerling & L.M. Irvine .	20
<i>Phymatolithon lenormandii</i> (Areschoug) Adey	20
<i>Phymatolithon tenuissimum</i> (Foslie) W.H. Adey	20
Order Ceramiales Oltmanns 1904.....	20
Family Callithamniaceae Kützing 1843.....	20
<i>Aglaothamnion bipinnatum</i> (P. Crouan & H. Crouan) J. Feldmann & G. Feldmann.....	20
<i>Aglaothamnion cordatum</i> (Børgesen) Feldmann-Mazoyer.....	20
<i>Aglaothamnion feldmanniae</i> Halos	21
<i>Aglaothamnion pseudobyssoides</i> (P. Crouan & H. Crouan) Halos	21
<i>Aglaothamnion tenuissimum</i> (Bonnemaison) Feldmann-Mazoyer	21
<i>Callithamnion corymbosum</i> (Smith) Lyngbye	21
<i>Callithamnion granulatum</i> (Ducluzeau) C. Agardh.....	21
<i>Callithamnion tetragonum</i> (Withering) S.F. Gray.....	21
<i>Callithamnion tetragonum</i> var. <i>divaricatum</i> Rosenvinge	22
<i>Callithamnion tetricum</i> (Dillwyn) S.F. Gray.....	22
<i>Gaillona gallica</i> (Nägeli) Athanasiadis	22
<i>Gaillona hookeri</i> (Dillwyn) Athanasiadis	22
<i>Gaillona rosea</i> (Roth) Athanasiadis	22
<i>Gymnothamnion elegans</i> (Schousboe ex C. Agardh) J. Agardh.....	22
<i>Scageliopsis patens</i> E.M. Wollaston.....	22
<i>Crouania attenuata</i> (C. Agardh) J. Agardh	23
<i>Spyridia filamentosa</i> (Wulfen) Harvey.....	23

Family Wrangeliaceae J. Agardh 1851	23
<i>Bornetia secundiflora</i> (J. Agardh) Thuret.....	23
<i>Anotrichium barbatum</i> (C. Agardh) Nägeli.....	23
<i>Anotrichium furcellatum</i> (J. Agardh) Baldock	23
<i>Anotrichium tenue</i> (C. Agardh) Nägeli.....	23
<i>Griffithsia corallinoides</i> (Linnaeus) Trevisan	24
<i>Griffithsia devoniensis</i> Harvey	24
<i>Griffithsia globulifera</i> Harvey ex Kützing	24
<i>Griffithsia phyllamphora</i> J. Agardh.....	24
<i>Halurus equisetifolius</i> (Lightfoot) Kützing	24
<i>Halurus flosculosus</i> (J. Ellis) Maggs & Hommersand	24
<i>Vickersia baccata</i> (J. Agardh) Karsakoff.....	24
<i>Wrangelia argus</i> (Montagne) Montagne	24
<i>Wrangelia penicillata</i> (C. Agardh) C. Agardh.....	25
<i>Lejolisia mediterranea</i> Bornet.....	25
<i>Ptilothamnion pluma</i> (Dillwyn) Thuret.....	25
<i>Monosporus pedicellatus</i> (Smith) Solier.....	25
<i>Diplothamnion jolyi</i> C. van den Hoek.....	25
<i>Grallatoria reptans</i> M. Howe.....	25
<i>Sphondylothamnion multifidum</i> (Hudson) Nägeli	25
<i>Spermothamnion flabellatum</i> Bornet.....	25
<i>Spermothamnion repens</i> (Dillwyn) Magnus.....	26
<i>Spermothamnion strictum</i> (C. Agardh) Ardissonne	26
<i>Tiffaniella capitata</i> (Bornet) Doty & Meñez.....	26
<i>Compsothamnion decompositum</i> (J. Agardh) Maggs & Hardy-Halos	26
<i>Gymnophycus hapsiphorus</i> Huisman & Kraft.....	26
<i>Balliella cladoderma</i> (Zanardini) Athanasiadis	26
<i>Pleonosporium borrieri</i> (Smith) Nägeli	26
<i>Spongoclonium caribaeum</i> (Børgesen) M.J. Wynne	26
Family Ceramiaceae Dumortier 1822	27
<i>Acrothamnion preissii</i> (Sonder) E.M. Wollaston.....	27
<i>Antithamnion cruciatum</i> (C. Agardh) Nägeli	27
<i>Antithamnion decipiens</i> (J. Agardh) Athanasiadis.....	27
<i>Antithamnion densum</i> (Suhr) M. Howe.....	27
<i>Antithamnion diminuatum</i> Wollaston	27
<i>Antithamnion heterocladum</i> Funk	27
<i>Antithamnion hubbsii</i> E.Y. Dawson.....	27
<i>Antithamnion pectinatum</i> (Montagne) Brauner.....	27
<i>Ceramium arborescens</i> J. Agardh	27
<i>Ceramium atrorubescens</i> Kylin.....	28
<i>Ceramium botryocarpum</i> A.W. Griffiths ex Harvey	28
<i>Ceramium ciliatum</i> (J. Ellis) Ducluzeau	28
<i>Ceramium cimbricum</i> H.E. Petersen	28
<i>Ceramium cingulatum</i> Weber Bosse	28

Updated checklist of the marine macroalgae of the Azores archipelago

<i>Ceramium circinatum</i> (Kützing) J. Agardh	28
<i>Ceramium codii</i> (H. Richards) Mazoyer	28
<i>Ceramium derbesii</i> Solier ex Kützing	29
<i>Ceramium deslongchampsii</i> Chauvin ex Duby	29
<i>Ceramium diaphanum</i> (Lightfoot) Roth.....	29
<i>Ceramium echionotum</i> J. Agardh	29
<i>Ceramium gaditanum</i> (Clemente) Cremades	29
<i>Ceramium pallidum</i> (Kützing) Maggs & Hommersand.....	29
<i>Ceramium pennatum</i> (Hudson) Roth	29
<i>Ceramium secundatum</i> Lyngbye	29
<i>Ceramium spinosopilosum</i> Kützing	29
<i>Ceramium strictum</i> Roth	30
<i>Ceramium tenerrimum</i> (G. Martens) Okamura	30
<i>Ceramium tenuicorne</i> (Kützing) Waern	30
<i>Ceramium virgatum</i> Roth.....	30
<i>Centroceras clavulatum</i> (C. Agardh) Montagne	30
<i>Gayliella flaccida</i> (Harvey ex Kützing) T.O. Cho & L.J. McIvor.....	31
<i>Antithamnionella boergesenii</i> (Cormaci & G. Furnari) Athanasiadis	31
<i>Antithamnionella floccosa</i> (O.F. Müller) Whittick	31
<i>Antithamnionella spirographidis</i> (Schiffner) E.M. Wollaston.....	31
<i>Antithamnionella ternifolia</i> (J.D. Hooker & Harvey) Lyle	31
<i>Callithamniella tingitana</i> (Schousboe ex Bornet) Feldmann-Mazoyer	31
<i>Pterothamnion crispum</i> (Ducluzeau) Nägeli.....	31
<i>Pterothamnion plumula</i> (J. Ellis) Nägeli.....	31
<i>Scagelia pylaisaei</i> (Montagne) M.J. Wynne.....	32
<i>Scagelothamnion turneri</i> (Mertens ex Roth) Athanasiadis	32
Family Delesseriaceae Bory de Saint-Vincent 1828	32
<i>Nitophyllum punctatum</i> (Stackhouse) Greville	32
<i>Radicilingua thysanorhizans</i> (Holmes) Papenfuss	32
<i>Drachiella heterocarpa</i> (Chauvin ex Duby) Maggs & Hommersand.....	32
<i>Heterosiphonia crispella</i> (C. Agardh) M.J. Wynne.....	32
<i>Hypoglossum heterocystideum</i> (J. Agardh) J. Agardh	32
<i>Hypoglossum hypoglossoides</i> (Stackhouse) Collins & Hervey	33
<i>Dasya baillouviana</i> (S.G. Gmelin) Montagne.....	33
<i>Dasya caraibica</i> Børgesen	33
<i>Dasya corymbifera</i> J. Agardh.....	33
<i>Dasya crouaniana</i> J. Agardh	33
<i>Dasya hutchinsiae</i> Harvey.....	33
<i>Dasya ocellata</i> (Grateloup) Harvey.....	33
<i>Dasya rigidula</i> (Kützing) Ardissonne	33
<i>Eupogodon planus</i> (C. Agardh) Kützing	33
<i>Apoglossum ruscifolium</i> (Turner) J. Agardh.....	34
<i>Taenioma nanum</i> (Kützing) Papenfuss.....	34
<i>Taenioma perpusillum</i> (J. Agardh) J. Agardh	34

<i>Cottoniella filamentosa</i> (M. Howe) Børgesen.....	34
<i>Platysiphonia delicata</i> (Clemente) Cremades.....	34
<i>Acrosorium ciliolatum</i> (Harvey) Kylin.....	34
<i>Cryptopleura ramosa</i> (Hudson) L. Newton	34
<i>Haraldiophyllum bonnemaisonii</i> (Kylin) A.D. Zinova	35
<i>Myriogramme minuta</i> Kylin	35
<i>Erythroglossum laciniatum</i> (Lightfoot) Maggs & Hommersand	35
<i>Haraldia lenormandii</i> (Derbès & Solier) J. Feldmann.....	35
Family Rhodomelaceae Horaninow 1847	36
<i>Bostrychia scorpioides</i> (Hudson) Montagne.....	36
<i>Lophocladia trichoclados</i> (C. Agardh) F. Schmitz 1893.....	36
<i>Lophosiphonia cristata</i> Falkenberg	36
<i>Lophosiphonia obscura</i> (C. Agardh) Falkenberg	36
<i>Herposiphonia secunda</i> (C. Agardh) Ambronn.....	36
<i>Herposiphonia secunda f. tenella</i> (C. Agardh) M.J. Wynne	36
<i>Stichothamnion cymatophilum</i> Børgesen	36
<i>Dipterosiphonia rigens</i> (Shousboe ex C. Agardh) Falkenberg.....	37
<i>Aphanocladia stichidiosa</i> (Funk) Ardré	37
<i>Symphyocladia marchantioides</i> (Harvey) Falkenberg.....	37
<i>Symphyocладиella parasitica</i> (Hudson) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho..	37
<i>Xiphosiphonia ardreana</i> (Maggs & Hommersand) Savoie & G.W. Saunders.....	37
<i>Xiphosiphonia pennata</i> (C. Agardh) Savoie & G.W. Saunders.....	37
<i>Xiphosiphonia pinnulata</i> (Kützing) Savoie & G.W. Saunders.....	38
<i>Carradoriella denudata</i> (Dillwyn) A.M. Savoie & G.W. Saunders.....	38
<i>Carradoriella elongata</i> (Hudson) A.M. Savoie & G.W. Saunders	38
<i>Polysiphonia atlantica</i> Kapraun & J.N. Norris	38
<i>Polysiphonia azorica</i> O.C. Schmidt	38
<i>Polysiphonia breviarticulata</i> (C. Agardh) Zanardini	39
<i>Polysiphonia ceramiiformis</i> P. Crouan & H. Crouan	39
<i>Polysiphonia flocculosa</i> (C. Agardh) Endlicher	39
<i>Polysiphonia havanensis</i> Montagne	39
<i>Polysiphonia hochstetteriana</i> O. C. Schmidt	39
<i>Polysiphonia opaca</i> (C. Agardh) Moris & De Notaris.....	39
<i>Polysiphonia scopulorum</i> Harvey	39
<i>Polysiphonia sertularioides</i> (Grateloup) J. Agardh.....	39
<i>Polysiphonia stricta</i> (Mertens ex Dillwyn) Greville.....	39
<i>Polysiphonia subcontinua</i> (C. Agardh) J. Agardh.....	40
<i>Leptosiphonia brodiei</i> (Dillwyn) A.M. Savoie & G.W. Saunders.....	40
<i>Leptosiphonia fibrillosa</i> (C. Agardh) A.M. Savoie & G.W. Saunders	40
<i>Melanothamnus harveyi</i> (Bailey) Díaz-Tapia & Maggs	40
<i>Melanothamnus macaronesicus</i> Rodríguez-Buján & Díaz-Tapia	40
<i>Melanothamnus sphaerocarpus</i> (Børgesen) Díaz-Tapia & Maggs	40
<i>Vertebrata barbarae</i> Muñoz-Luque & Díaz-Tapia, sp. nov.	40
<i>Vertebrata cymatophylla</i> (Børgesen) Muñoz-Luque & Díaz-Tapia, comb. nov.....	41

Updated checklist of the marine macroalgae of the Azores archipelago

<i>Vertebrata foetidissima</i> (Cocks ex Bornet) Díaz-Tapia & Maggs.....	41
<i>Vertebrata fruticulosa</i> (Wulfen) Kuntze.....	41
<i>Vertebrata fucoides</i> (Hudson) Kuntze.....	41
<i>Vertebrata furcellata</i> (C. Agardh) Kuntze.....	41
<i>Vertebrata hypnoides</i> (Welwitsch) Kuntze.....	42
<i>Vertebrata nigra</i> (Hudson) Díaz-Tapia & Maggs.....	42
<i>Vertebrata reptabunda</i> (Suhr) Díaz-Tapia & Maggs.....	42
<i>Vertebrata tripinnata</i> (Harvey) Kuntze.....	42
<i>Vertebrata thuyoides</i> (Harvey) Kuntze.....	42
<i>Digenea simplex</i> (Wulfen) C. Agardh.....	43
<i>Chondria capillaris</i> (Hudson) M.J. Wynne.....	43
<i>Chondria coerulescens</i> (J. Agardh) Sauvageau.....	43
<i>Chondria dasyphylla</i> (Woodward) C. Agardh.....	43
<i>Erythrocytis montagnei</i> (Derbès & Solier) P.C. Silva.....	43
<i>Laurencia brongniartii</i> J. Agardh.....	43
<i>Laurencia catarinensis</i> Cordeiro-Marino & Fujii.....	44
<i>Laurencia chondrioides</i> Børgesen.....	44
<i>Laurencia dendroidea</i> J. Agardh.....	44
<i>Laurencia intricata</i> J.V. Lamouroux.....	44
<i>Laurencia microcladia</i> Kützing.....	44
<i>Laurencia minuta</i> Vandermeulen, Garbary & Guiry.....	44
<i>Laurencia obtusa</i> (Hudson) J.V. Lamouroux.....	44
<i>Laurencia pyramidalis</i> Bory ex Kützing.....	44
<i>Laurencia tenera</i> C.K. Tseng.....	45
<i>Laurencia viridis</i> Gil-Rodríguez & Haroun.....	45
<i>Laurenciella marilzae</i> (Gil-Rodríguez, Senties, Díaz-Larrea, Cassano & M.T. Fujii) Gil-Rodríguez, Senties, Díaz-Larrea, Cassano & M.T. Fujii.....	45
<i>Osmundea hybrida</i> (A.P. de Candolle) K.W. Nam.....	45
<i>Osmundea oederi</i> (Gunnerus) G. Furnari.....	45
<i>Osmundea pinnatifida</i> (Hudson) Stackhouse.....	45
<i>Osmundea prudhommevanreinei</i> Machín-Sánchez & Gil-Rodríguez.....	46
<i>Osmundea truncata</i> (Kützing) K.W. Nam & Maggs.....	46
<i>Palisada corallopsis</i> (Montagne) Senties, Fujii & Díaz-Larrea.....	46
<i>Palisada patentiramea</i> (Montagne) Cassano, Senties, Gil-Rodríguez & M.T. Fujii.....	46
<i>Palisada perforata</i> (Bory) K.W. Nam.....	46
<i>Yuzurua poiteaui</i> (J.V. Lamouroux) Martin-Lescanne.....	46
Order Gracilariales Fredericq & Hommersand 1989.....	46
Family Gracilariaceae Nägeli 1847.....	46
<i>Gracilaria gracilis</i> (Stackhouse) Steentoft, L.M. Irvine & Farnham.....	46
<i>Gracilaria multipartita</i> (Clemente) Harvey.....	46
<i>Gracilariopsis longissima</i> (S.G. Gmelin) Steentoft, L.M. Irvine & Farnham.....	46
Order Peyssonneliales Kravesky, Fredericq & J.N. Norris 2009.....	47
Family Peyssonneliaceae Denizot 1968.....	47
<i>Peyssonnelia squamaria</i> (S.G. Gmelin) Decaisne ex J. Agardh.....	47
Order Gelidiales Kylin 1923.....	47

Family Gelidiellaceae K.C. Fan 1961	47
<i>Gelidiella acerosa</i> (Forsskål) J. Feldmann & Hamel	47
<i>Millerella pannosa</i> (J. Feldmann) G.H. Boo & L. Le Gall	47
<i>Millerella tinerfensis</i> (Seoane-Camba) S.M. Boo & J.M. Rico	47
Family Gelidiaceae Kützing 1843	47
<i>Gelidium arbuscula</i> Bory ex Børgesen	47
<i>Gelidium corneum</i> (Hudson) J.V. Lamouroux	48
<i>Gelidium filicinum</i> Bory	48
<i>Gelidium microdon</i> Kützing	48
<i>Gelidium pulchellum</i> (Turner) Kützing	49
<i>Gelidium pusillum</i> (Stackhouse) Le Jolis	49
<i>Gelidium spinosum</i> (S.G. Gmelin) P.C. Silva	49
<i>Gelidium spinosum</i> var. <i>hystrix</i> (J. Agardh) G. Furnari	49
Family Pterocladaceae G.P. Felicini & C. Perrone 2006	49
<i>Pterocладиella capillacea</i> (S.G. Gmelin) Santelices & Hommersand	49
Order Acrosymphytales R.D. Withall & G.W. Saunders 2007	50
Family Acrosymphytaceae S.C. Lindstrom 1987	50
<i>Acrosymphyton purpuriferum</i> (J. Agardh) Sjöstedt	50
Family Schimmelmanniaceae G.W. Saunders & Kraft in Saunders & al. 2016	50
<i>Schimmelmannia schousboei</i> (J. Agardh) J. Agardh	50
Order Sebdeniales Withall & G.W. Saunders 2007	50
Family Sebdeniaceae Kylin 1932	50
<i>Sebdenia dichotoma</i> Berthold	50
<i>Sebdenia rodrigueziana</i> (J. Feldmann) Codomier ex Parkinson	50
Order Rhodymeniales F. Schmitz in Engler 1892	51
Family Champiaceae Kützing 1843	51
<i>Champia parvula</i> (C. Agardh) Harvey	51
<i>Coelothrix irregularis</i> (Harvey) Børgesen	51
<i>Gastroclonium clavatum</i> (Roth) Ardissonne	51
<i>Gastroclonium ovatum</i> (Hudson) Papenfuss	51
<i>Gastroclonium reflexum</i> (Chauvin) Kützing	51
Family Hymenocladaceae Le Gall, Dalen & G.W. Saunders 2008	51
<i>Asteromenia peltata</i> (W.R. Taylor) Huisman & A.J.K. Millar	51
Family Lomentariaceae Willkomm 1854	51
<i>Ceratodictyon intricatum</i> (C. Agardh) R.E. Norris	51
<i>Ceratodictyon scoparium</i> (Montagne & Millardet) R.E. Norris	52
<i>Lomentaria articulata</i> (Hudson) Lyngbye	52
<i>Lomentaria clavellosa</i> (Lightfoot ex Turner) Gaillon	52
<i>Lomentaria orcadensis</i> (Harvey) Collins	52
Family Rhodymeniaceae Harvey 1849	52
<i>Botryocladia botryoides</i> (Wulfen) J. Feldmann	52
<i>Botryocladia bullosa</i> (Levring) J.N. Norris & D.L. Ballantine	52
<i>Botryocladia macaronesica</i> Afonso-Carillo, Sobrino, Tittley & Neto	52
<i>Rhodymenia holmesii</i> Ardissonne	53
<i>Rhodymenia pseudopalmata</i> (J.V. Lamouroux) P.C. Silva	53
Family Rhodymeniales incertae Sedis	53
<i>Agardhinula browneae</i> (J. Agardh) De Toni	53

Updated checklist of the marine macroalgae of the Azores archipelago

Order Halymeniales G.W. Saunders & Kraft 1996.....	53
Family Halymeniaceae Bory de Saint-Vincent 1828.....	53
<i>Corynomorpha prismatica</i> (J. Agardh) J. Agardh.....	53
<i>Cryptonemia crenulata</i> (J. Agardh) J. Agardh.....	53
<i>Cryptonemia palmetta</i> (S.G. Gmelin) Woelkerling, G. Furnari, Cormaci & J. McNeill.....	53
<i>Cryptonemia seminervis</i> (C. Agardh) J. Agardh.....	53
<i>Dermocorynus dichotomus</i> (J. Agardh) Gargiulo, M. Morabito & Manghisi.....	54
<i>Grateloupia filicina</i> (J.V. Lamouroux) C. Agardh.....	54
<i>Grateloupia turuturu</i> Yamada.....	54
Order Nemastomatales Kylin 1925.....	54
Family Nemastomataceae Ardissonne 1869.....	54
<i>Predaea feldmannii</i> Børgesen.....	54
<i>Predaea feldmannii</i> subsp. <i>azorica</i> Gabriel.....	54
<i>Itonoa marginifera</i> (J. Agardh) Masuda & Guiry.....	54
Family Schizymeniaceae (F. Schmitz & Hauptfleisch) Masuda & Guiry 1995.....	55
<i>Platoma confusum</i> (Kraft & D.M. John) Gabriel & Fredericq.....	55
<i>Platoma cyclocolpum</i> (Montagne) F. Schmitz.....	55
<i>Schizymenia apoda</i> (J. Agardh) J. Agardh.....	55
Order Plocamiales G.W. Saunders & Kraft 1994.....	55
Family Plocamiaceae Kützing 1843.....	55
<i>Plocamium cartilagineum</i> (Linnaeus) P.S. Dixon.....	55
Order Bonnemaisionales Feldmann & G. Feldmann 1952.....	56
Family Bonnemaisioniaceae F. Schmitz 1892.....	56
<i>Asparagopsis armata</i> Harvey.....	56
<i>Asparagopsis taxiformis</i> (Delile) Trevisan.....	56
<i>Bonnemaisionia asparagoides</i> Harvey(Woodward) C. Agardh.....	57
<i>Bonnemaisionia hamifera</i> Hariot.....	57
Order Gigartinales F. Schmitz 1892.....	57
Family Cruoriaceae (J. Agardh) Kylin 1928.....	57
<i>Cruoria pellita</i> (Lyngbye) Fries.....	57
Family Kallymeniaceae (J. Agardh) Kylin 1928.....	57
<i>Kallymenia reniformis</i> (Turner) J. Agardh.....	57
<i>Meredithia microphylla</i> (J. Agardh) J. Agardh.....	57
Family Dumontiaceae Bory de Saint-Vincent 1828.....	58
<i>Dudresnaya crassa</i> M. Howe.....	58
<i>Dudresnaya verticillata</i> (Withering) Le Jolis.....	58
Family Sphaerococcaceae Dumortier 1822.....	58
<i>Sphaerococcus coronopifolius</i> Stackhouse.....	58
Family Gigartinaceae Bory de Saint-Vincent 1828.....	58
<i>Chondracanthus acicularis</i> (Roth) Fredericq.....	58
<i>Chondracanthus teedei</i> (Mertens ex Roth) Kützing.....	58
<i>Gigartina pistillata</i> (S.G. Gmelin) Stackhouse.....	59
Family Phylloporaceae Rabenhorst 1863.....	59
<i>Ahnfeltiopsis devoniensis</i> (Greville) P.C. Silva & DeCew.....	59
<i>Ahnfeltiopsis intermedia</i> (Kylin) Stegenga, Bolton & R.J. Anderson.....	59
<i>Erythrodermis traillii</i> (Holmes ex Batters) Guiry & Garbary.....	59
<i>Gymnogongrus crenulatus</i> (Turner) J. Agardh.....	59

<i>Gymnogongrus griffithsiae</i> (Turner) C. Martius	60
<i>Gymnogongrus tenuis</i> J. Agardh	60
<i>Phyllophora crispa</i> (Hudson) P.S. Dixon	60
<i>Phyllophora gelidioides</i> P. Crouan & H. Crouan ex Karsakoff	60
<i>Phyllophora sicula</i> (Kützing) Guiry & L.M. Irvine	60
<i>Schottera nicaeensis</i> (J. V. Lamouroux ex Duby) Guiry & Hollenberg	60
<i>Stenogramma interruptum</i> (C. Agardh) Montagne	60
Family Furcellariaceae Greville 1830	60
<i>Halarachnion ligulatum</i> (Woodward) Kützing	60
Family Cystocloniaceae Kützing 1843	61
<i>Hypnea arbuscula</i> P.J.L. Dangeard	61
<i>Hypnea cervicornis</i> J. Agardh	61
<i>Hypnea flagelliformis</i> Greville ex J. Agardh	61
<i>Hypnea musciformis</i> (Wulfen) J.V. Lamouroux	61
<i>Hypnea spinella</i> (C. Agardh) Kützing	61
<i>Rhodophyllis divaricata</i> (Stackhouse) Papenfuss	61
<i>Rhodophyllis bifida</i> (Greville) Kützing	61
Family Caulacanthaceae Kützing 1843	62
<i>Catenella caespitosa</i> (Withering) L.M. Irvine	62
<i>Caulacanthus ustulatus</i> (Mertens ex Turner) Kützing	62
<i>Feldmannophycus rayssiae</i> (J. Feldmann & G. Feldmann) H. Augier & Boudouresque	62
Family Solieriaceae J. Agardh 1876	62
<i>Meristotheca decumbens</i> Grunow	62
<i>Wurdemannia miniata</i> (Sprengel) J. Feldmann & Hamel	62
Phylum Chlorophyta Reichenbach 1834	62
Order Ulotrichales Borzi 1895	62
Family Gayraliaceae K.L. Vinogradova 1969	62
<i>Gayralia oxysperma</i> (Kützing) K.L. Vinogradova ex Scagel et al.	62
Family Monostromataceae Kunieda 1934	63
<i>Monostroma grevillei</i> (Thuret) Wittrock	63
Family Ulotrichaceae Kützing 1843	63
<i>Ulothrix flacca</i> (Dillwyn) Thuret	63
Order Ulvales Blackman & Tansley 1902	63
Family Kornmanniaceae L. Golden & K.M. Cole 1986	63
<i>Blidingia marginata</i> (J. Agardh) P.J.L. Dangeard ex Bliding	63
<i>Blidingia minima</i> (Nägeli ex Kützing) Kylin	63
Family Ulvaceae J.V. Lamouroux ex Dumortier 1822	63
<i>Ulva clathrata</i> (Roth) C. Agardh	63
<i>Ulva compressa</i> Linnaeus	64
<i>Ulva intestinalis</i> Linnaeus	64
<i>Ulva fenestrata</i> Postels & Ruprecht	64
<i>Ulva linza</i> Linnaeus	65
<i>Ulva polyclada</i> Kraft	65
<i>Ulva prolifera</i> O.F. Müller	65
<i>Ulva pseudorotundata</i> Cormaci, G. Furnari & Alongi	66
<i>Ulva ralfsii</i> (Harvey) Le Jolis	66

Updated checklist of the marine macroalgae of the Azores archipelago

<i>Ulva rigida</i> C. Agardh	66
<i>Ulva torta</i> (Mertens) Trevisan	66
Family Ulvellaceae Schmidle 1899	66
<i>Ulvella lens</i> P. Crouan & H. Crouan	66
<i>Ulvella scutata</i> (Reinke) R. Nielsen, C.J. O’Kelly & B. Wysor	67
<i>Ulvella viridis</i> (Reinke) R. Nielsen, C.J. O’Kelly & B. Wysor	67
Order Bryopsidales J.H. Schaffner 1922	67
Family Codiaceae Kützing 1843	67
<i>Codium adhaerens</i> C. Agardh	67
<i>Codium decorticatum</i> (Woodward) M. Howe	67
<i>Codium effusum</i> (Rafinesque) Delle Chiaje	67
<i>Codium elisabethiae</i> O.C. Schmidt	68
<i>Codium fragile</i> subsp. <i>atlanticum</i> (A.D. Cotton) P.C. Silva	68
<i>Codium fragile</i> subsp. <i>fragile</i> (Suringar) Hariot	68
<i>Codium taylorii</i> P.C. Silva	68
<i>Codium tomentosum</i> Stackhouse	68
<i>Codium vermilara</i> (Olivi) Delle Chiaje	68
Family Bryopsidaceae Bory 1829	68
<i>Bryopsis corymbosa</i> J. Agardh	68
<i>Bryopsis cupressina</i> J.V. Lamouroux	69
<i>Bryopsis duplex</i> De Notaris	69
<i>Bryopsis hypnoides</i> J.V. Lamouroux	69
<i>Bryopsis pennata</i> J.V. Lamouroux	69
<i>Bryopsis plumosa</i> (Hudson) C. Agardh	69
Family Derbesiaceae Hauck 1884	69
<i>Derbesia marina</i> (Lyngbye) Solier	69
<i>Derbesia tenuissima</i> (Moris & De Notaris) P. Crouan & H. Crouan	69
<i>Pedobesia simplex</i> (Meneghini ex Kützing) M.J. Wynne & F. Leliaert	69
Family Caulerpaceae Kützing 1843	70
<i>Caulerpa prolifera</i> (Forsskål) J.V. Lamouroux	70
<i>Caulerpa webbiana</i> Montagne	70
Family Halimedaceae Link 1832	70
<i>Halimeda incrassata</i> (J. Ellis) J.V. Lamouroux 1816	70
<i>Halimeda tuna</i> (J. Ellis & Solander) J.V. Lamouroux	70
Family Udoteaceae J. Agardh 1887	70
<i>Pseudochlorodesmis furcellata</i> (Zanardini) Børgesen	70
Order Cladophorales Haeckel 1894	70
Family Anadyomenaceae Kützing 1843	70
<i>Anadyomene saldanhae</i> A.B. Joly & E.C. Oliveira	70
<i>Anadyomene stellata</i> (Wulfen) C. Agardh	70
<i>Microdictyon boergesenii</i> Setchell	71
<i>Microdictyon umbilicatum</i> (Velle) Zanardini	71
Family Boodleaceae Børgesen 1925	71
<i>Cladophoropsis macromeres</i> W.R. Taylor	71
<i>Cladophoropsis membranacea</i> (Hofman Bang ex C. Agardh) Børgesen	71
<i>Phyllocladon anastomosans</i> (Harvey) Kraft & M.J. Wynne	71

Family Cladophoraceae Wille in Warming	71
<i>Chaetomorpha aerea</i> (Dillwyn) Kützing	71
<i>Chaetomorpha antennina</i> (Bory) Kützing	72
<i>Chaetomorpha fibrosa</i> (Kützing) Kützing.....	72
<i>Chaetomorpha ligustica</i> (Kützing) Kützing.....	72
<i>Chaetomorpha linum</i> (O.F. Müller) Kützing.....	72
<i>Chaetomorpha pachynema</i> (Montagne) Kützing	72
<i>Cladophora albida</i> (Nees) Kützing	73
<i>Cladophora coelothrix</i> Kützing.....	73
<i>Cladophora conferta</i> P. Crouan & H. Crouan	73
<i>Cladophora dalmatica</i> Kützing	73
<i>Cladophora hutchinsiae</i> (Dillwyn) Kützing.....	73
<i>Cladophora laetevirens</i> (Dillwyn) Kützing.....	73
<i>Cladophora lehmanniana</i> (Lindenberg) Kützing	74
<i>Cladophora liebetruthii</i> Grunow	74
<i>Cladophora michalensis</i> O.C. Schmidt	74
<i>Cladophora prolifera</i> (Roth) Kützing	74
<i>Cladophora sericea</i> (Hudson) Kützing	75
<i>Cladophora theotonii</i> O.C. Schmidt.....	75
<i>Cladophora weizenbaurii</i> O.C. Schmidt	75
<i>Lychaete pellucida</i> (Hudson) M.J. Wynne	75
<i>Pseudorhizoclonium africanum</i> (Kützing) Boedeker.....	75
<i>Rhizoclonium tortuosum</i> (Dillwyn) Kützing	75
Family Siphonocladaceae F. Schmitz 1879.....	75
<i>Ernodesmis verticillata</i> (Kützing) Børgesen	75
Family Valoniaceae Kützing 1849	75
<i>Valonia macrophysa</i> Kützing.....	75
<i>Valonia utricularis</i> (Roth) C. Agardh	76
Phylum Ochrophyta Cavalier-Smith in Cavalier-Smith & E.E. Chao 1996.....	76
Order Syringodermatales E.C. Henry 1984	76
Family Syringodermataceae E.C. Henry 1984.....	76
<i>Microzonia floridana</i> (E.C. Henry) Camacho & Fredericq.....	76
Order Sphacelariales Migula 1908.....	76
Family Lithodermataceae Hauck 1883	76
<i>Pseudolithoderma adriaticum</i> (Hauck) Verlaque.....	76
<i>Pseudolithoderma roscoffense</i> Loiseaux	76
Family Stypocaulaceae Oltmanns 1922	76
<i>Halopteris filicina</i> (Grateloup) Kützing	76
<i>Halopteris scoparia</i> (Linnaeus) Sauvageau	77
Family Cladostephaceae Oltmanns 1922	77
<i>Cladostephus spongiosus</i> (Hudson) C. Agardh	77
Family Sphacelariaceae Decaisne 1842	78
<i>Sphacelaria cirrosa</i> (Roth) C. Agardh	78
<i>Sphacelaria fusca</i> (Hudson) S.F. Gray	78
<i>Sphacelaria plumula</i> Zanardini	78
<i>Sphacelaria rigidula</i> Kützing	78

Updated checklist of the marine macroalgae of the Azores archipelago

<i>Sphacelaria tribuloides</i> Meneghini	78
<i>Sphacelorbis nanus</i> (Nageli ex Kützing) Draisma, Prud'homme & H. Kawai.....	79
Order Dictyotales Bory 1828	79
Family Dictyotaceae J.V. Lamouroux ex Dumortier 1822.....	79
<i>Canistrocarpus cervicornis</i> (Kützing) De Paula & De Clerck.....	79
<i>Dictyopteris polypodioides</i> (A.P. De Candolle) J.V. Lamouroux.....	79
<i>Dictyota adnata</i> Zanardini.....	79
<i>Dictyota bartayresiana</i> J.V. Lamouroux	79
<i>Dictyota ciliolata</i> Sonder ex Kützing.....	79
<i>Dictyota cyanoloma</i> Tronholm, De Clerck, A. Gómez-Garreta & Rull Lluch.....	80
<i>Dictyota dichotoma</i> (Hudson) J.V. Lamouroux.....	80
<i>Dictyota dichotoma</i> var. <i>intricata</i> (C. Agardh) Greville	80
<i>Dictyota fasciola</i> (Roth) J.V. Lamouroux.....	80
<i>Dictyota implexa</i> (Desfontaines) J.V. Lamouroux	80
<i>Dictyota liturata</i> J. Agardh.....	81
<i>Dictyota menstrualis</i> (Hoyt) Schnetter, Hörning & Weber-Peukert.....	81
<i>Lobophora delicata</i> Camacho & Fredericq	81
<i>Padina pavonica</i> (Linnaeus) Thivy	81
<i>Stypopodium zonale</i> (J.V. Lamouroux) Papenfuss	81
<i>Taonia atomaria</i> (Woodward) J. Agardh.....	81
<i>Zonaria tournefortii</i> (J.V. Lamouroux) Montagne	81
Order Scytothamiales A.F. Peters & M.N. Clayton 1998	82
Family Bachelotiaceae T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviere in Silberfeld & al. 2011	82
<i>Bachelotia antillarum</i> (Grunow) Gerloff.....	82
Order Sporochneales Sauvageau 1926.....	82
Family Sporochneaceae Greville 1830	82
<i>Carpomitra costata</i> (Stackhouse) Batters	82
<i>Sporochneus pedunculatus</i> (Hudson) C. Agardh	82
Order Tilopteridales Bessey 1907.....	82
Family Cutleriaceae J.W. Griffith & A. Henfrey.....	82
<i>Cutleria multifida</i> (Turner) Greville.....	82
<i>Zanardinia typus</i> (Nardo) P.C. Silva	83
Order Ralfsiales Nakamura ex P.-E. Lim & H. Kawai in Lim et al. 2007.....	83
Family Pseudoralfsiaceae Parente, Fletcher & G.W. Saunders in Parente & al. 2020.....	83
<i>Pseudoralfsia azorica</i> Parente, Fletcher & G.W. Saunders.....	83
<i>Pseudoralfsia verrucosa</i> (Areschoug) Parente, Fletcher & G.W. Saunders.....	83
Family Hapalospondigiaceae Reyes Gómez & León-Alvarez in León-Alvarez & al. 2017	83
<i>Hapalospondigium macrocarpum</i> (J. Feldmann) León-Álvarez & González-González.....	83
Order Nemodermatales M. Parente, R.L. Fletcher, F. Rousseau & N. Phillips in Phillips & al. 2008....	83
Family Nemodermataceae Kuckuck ex Feldmann 1937.....	83
<i>Nemoderma tingitanum</i> Schousboe ex Bornet	83
Order Fucales Bory 1827	84
Family Fucaceae Adanson 1763.....	84
<i>Ascophyllum nodosum</i> (Linnaeus) Le Jolis	84
<i>Fucus guiryi</i> Zardi, Nicastro, E.S. Serrão & G.A. Pearson.....	84
<i>Fucus spiralis</i> Linnaeus.....	84

Family Sargassaceae Kützing 1843.....	84
<i>Cystoseira compressa</i> (Esper) Gerloff & Nizamuddin.....	84
<i>Cystoseira foeniculacea</i> (Linnaeus) Greville.....	85
<i>Cystoseira humilis</i> Schousboe ex Kützing.....	85
<i>Cystoseira tamariscifolia</i> (Hudson) Papenfuss.....	85
<i>Gongolaria abies-marina</i> (S.G. Gmelin) Kuntze.....	85
<i>Sargassum cymosum</i> C. Agardh.....	86
<i>Sargassum desfontainesii</i> (Turner) C. Agardh.....	86
<i>Sargassum furcatum</i> Kützing.....	86
<i>Sargassum vulgare</i> C. Agardh, nom. illeg.....	86
<i>Sargassum vulgare</i> var. <i>tenuifolium</i> C. Agardh.....	86
<i>Sargassum stenophyllum</i> C. Martius.....	86
Order Laminariales Migula 1909.....	87
Family Laminariaceae Bory 1827.....	87
<i>Laminaria ochroleuca</i> Bachelot de la Pylaie.....	87
Order Asterocladales T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviens in Silberfeld & al. 2011.....	87
Family Asterocladaceae T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviens in Silberfeld & al. 2011.....	87
<i>Asterocladon rhodochortonoides</i> (Børgesen) S. Uwai, C. Nagasato, T. Motomura & K. Kogame.....	87
Order Ectocarpales Bessey 1907.....	87
Family Acinetosporaceae G. Hamel ex Feldmann 1937.....	87
<i>Feldmannia globifera</i> (Kützing) Hamel.....	87
<i>Feldmannia irregularis</i> (Kützing) Hamel.....	87
<i>Feldmannia mitchelliae</i> (Harvey) H.-S. Kim.....	87
<i>Feldmannia padinae</i> (Buffham) Hamel.....	87
<i>Feldmannia paradoxa</i> (Montagne) Hamel.....	88
<i>Hincksia onslowensis</i> (Amsler & Kapraun) P. C. Silva.....	88
<i>Hincksia ovata</i> (Kjellman) P.C. Silva.....	88
Family Chordariaceae Greville 1830.....	88
<i>Cladosiphon zosteriae</i> (J. Agardh) Kylin.....	88
<i>Compsomena saxicola</i> (Kuckuck) Kuckuck.....	88
<i>Elachista flaccida</i> (Dillwyn) Fries.....	88
<i>Hecatonema terminale</i> (Kützing) Kylin.....	88
<i>Leathesia marina</i> (Lyngbye) Decaisne.....	88
<i>Mesogloia vermiculata</i> (Smith) S.F. Gray.....	89
<i>Mesogloia lanosa</i> P. Crouan & H. Crouan.....	89
<i>Myriactula chordae</i> (Areschoug) Levring.....	89
<i>Myriactula rivulariae</i> (Suhr ex Areschoug) J. Feldmann.....	89
<i>Myriactula stellulata</i> (Harvey) Levring.....	89
<i>Myrionema magnusii</i> (Sauvageau) Loiseaux.....	89
<i>Myrionema strangulans</i> Greville.....	89
<i>Papenfussiella kuromo</i> (Yendo) Inagaki.....	89
<i>Punctaria tenuissima</i> (C. Agardh) Greville.....	90
<i>Sphaerotrichia divaricata</i> (C. Agardh) Kylin.....	90
Family Ectocarpaceae C. Agardh 1828.....	90

Updated checklist of the marine macroalgae of the Azores archipelago

<i>Ectocarpus flagelliformis</i> Kützing.....	90
<i>Ectocarpus fasciculatus</i> Kützing.....	90
<i>Ectocarpus rallsiae</i> Vickers	90
<i>Ectocarpus siliculosus</i> (Dillwyn) Lyngbye	90
<i>Spongonema tomentosum</i> (Hudson) Kützing.....	90
Family Petrospongiaceae Racault et al. 2009.....	90
<i>Petrospongium berkeleyi</i> (Greville) Nägeli ex Kützing.....	90
Family Scytosiphonaceae Farlow 1881.....	91
<i>Colpomenia sinuosa</i> (Mertens ex Roth) Derbès & Solier	91
<i>Hydroclathrus clathratus</i> (C. Agardh) M. Howe	91
<i>Hydroclathrus tilesii</i> (Endlicher) Santiañez & M.J. Wynne.....	91
<i>Petalonia binghamiae</i> (J. Agardh) K.L. Vinogradova.....	91
<i>Petalonia fascia</i> (O.F. Müller) Kuntze	91
<i>Scytosiphon lomentaria</i> (Lyngbye) Link.....	92
<i>Stragularia clavata</i> (Harvey) Hamel.....	92
DISCUSSION	92
ACKNOWLEDGMENTS	93
IN MEMORIAM.....	94
REFERENCES.....	96
INDEX	105

Updated checklist of the marine macroalgae of the Azores archipelago



ANA I. NETO, IGNACIO MOREU, EVA CACABELOS AND MANUELA I. PARENTE

Neto, A.I., I. Moreu, E. Cacabelos and M.I. Parente 2021. Updated checklist of the marine macroalgae of the Azores archipelago. *Arquipelago*. Life and Marine Sciences. Supplement 13: 120pp.

The macroalgal flora of the mid-Atlantic Azores archipelago has attracted the interest of many researchers since the nineteenth century. Initial studies were mainly taxonomic, resulting in the publication of species lists. Later, taxonomic and ecological research both in intertidal and shallow subtidal communities down to 40 m depth has resulted in floristic, taxonomic and ecological publications, academic thesis, and technical reports.

The present checklist brings together the published information (including the accepted taxon names and previous bibliographic records) and compiles general information on each species' occurrence and distribution along the archipelago. The current total number of taxa amounts to 495 (including species, subspecies, varieties, and forms), revealing that the Azores support a relatively rich algal flora. The higher percentage of Rhodophyta recorded is in line with evidence that the proportion of red macroalgae increases from the polar regions to the tropics in the northern hemisphere. Some common species in the region a few years ago have become uncommon, whereas there has been an increase on the arrival and establishment of several non-native species with potential negative impacts on ecosystem services and biodiversity stock.

Key words: Benthic macroalgae, Rhodophyta, Chlorophyta, Ochrophyta, Atlantic Ocean.

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INTRODUCTION

Research on the marine macroalgae of the mid-Atlantic Azores archipelago started in the mid nineteenth century (1838) when Guthnick and the two Hochstetter (father and son) visited the archipelago (Neto 1994). These initial taxonomic studies were followed up by several other visitors, including the German botanist Otto Christian Schmidt, who was responsible for the first comprehensive ecological approach to the Azorean algal flora, describing species associations and their spatial organization (Schmidt 1931).

More recently, research expanded to include studies on species biology, ecology, and the structure and functioning of intertidal and shallow subtidal communities. The first checklist of the Azorean marine algae (Neto 1994) brought together the existing floristic information, providing distributional records within the archipelago for 307 reported species. That checklist was revised by Parente (2010), increasing the number of algae species to 327, but without providing distributional information. A year later Rosas-Alquicira *et al.* (2011a) published a catalog of non-fossil geniculate coralline red algae (Corallinales, Rhodophyta) of the Macaronesia in which a critical review of species and infraspecific taxa and an assessment of the species diversity in the region was made. Investigations on algae biodiversity, biogeography, conservation, ecology, taxonomy, and biotechnological applications have continued generating knowledge on the Azorean macroalgae flora, its biotechnological potential and the structure and functioning of littoral communities (see revisions by Neto *et al.* 2014 and Haroun *et al.* 2019). The Macaronesian analysis made by Freitas *et al.* (2019) increased the number of macroalgae species recorded for the Azores to 405 and reported that, amongst the mid-Atlantic archipelagos, the Azores is second in species richness after the Canary Islands, with 689 species, and followed by Madeira (396), Cabo Verde (333) and Selvagens (295 species).

In the last few years, a major effort, mainly by local research teams, has resulted in several publications on the Azorean marine macroalgae (see, for example, Patarra *et al.* 2017, 2019, 2020; Bruno de Sousa *et al.* 2019; Cacabelos *et al.* 2019, 2020; Freitas *et al.* 2019; Kellaris *et al.* 2019; Martins *et al.* 2019a; Parente *et al.* 2018, 2021; Faria *et al.* 2020a, b; Neto *et al.* 2020a, b, c, d, e, f, 2021a, b, c; Vieira *et al.* 2020). Most of this research also resulted in voucher specimens deposited in the AZB Herbarium Ruy Telles Palhinha and the LSM - Molecular Systematics Laboratory, both at the Faculty of Sciences and Technology of the University of the Azores.

This checklist provides an updated, systematic review of the marine macroalgae of the Azores, bringing together all the published information to date (including the currently accepted taxon names and all the previous bibliographic records for the region) and compiling general information on each taxon's occurrence and distribution in the archipelago.

The Azores

The Azores archipelago (approximately $-24^{\circ}59'17''$ to $-31^{\circ}17'42''$ longitude and $36^{\circ}53'2''$ to $39^{\circ}44'13''$ latitude, Figure 1), comprises nine volcanic islands and several small islets organised in three separate groups (eastern, central, and western), spread over 500 km in a WNW–ESE direction. Emerging from the Azores Plateau, the archipelago is located above an active triple junction between three of the world's largest tectonic plates (the North American Plate, the Eurasian Plate, and the African Plate, Hildenbrand *et al.* 2014).

Its climate is influenced by the surrounding ocean and characterised by regular rainfall, medium levels of relative humidity and persistent winds, mainly during the winter and autumn seasons (Morton *et al.* 1998).

The coastal topology is mainly composed of high, steep cliffs with a variety of stack, arch, and gully formations due to the erosion associated with the maritime agitation. Except for some sheltered bays, coastal lagoons and harbours, most seashores are subject to swell and surge most of the year (Neto *et al.* 2005). The tidal range is small (< 2 m) (Hidrográfico 1981) and a few sandy beaches occur in some of the islands (Wallenstein *et al.* 2009d). The coastal extension is restricted, with deep waters occurring within a few kilometers offshore (Hidrográfico 1981).

Intertidal and shallow subtidal communities are primarily dominated by macroalgae. Intertidally there is a predominance of turf forming species that share the rocks with littorinids, chthamalid barnacles and limpets (Wallenstein *et al.* 2009b). A few frondose algal species occur at the mid-intertidal level (e.g., *Fucus spiralis*, *Gelidium microdon*). The lowest levels, establishing the transition to the subtidal area, are mainly covered by frondose algae (e.g., *Gongolaria abies-marina*, *Ellisolandia elongata*, *Pterocladia*

capillacea). The rocky bottoms of the adjacent submerged zone are mainly covered by frondose macrophytes (Neto 2001; Wallenstein *et al.* 2009d) such as the red algae *Asparagopsis taxiformis*, *E. elongata*, *Jania* spp., *Plocamium cartilagineum*, *Pterocladia capillacea*, and *Sphaerococcus coronopifolius*, and the brown algae *Dictyopteris polypodioides*, *Dictyota* spp., *Halopteris scoparia*, and *Zonaria tournefortii*.

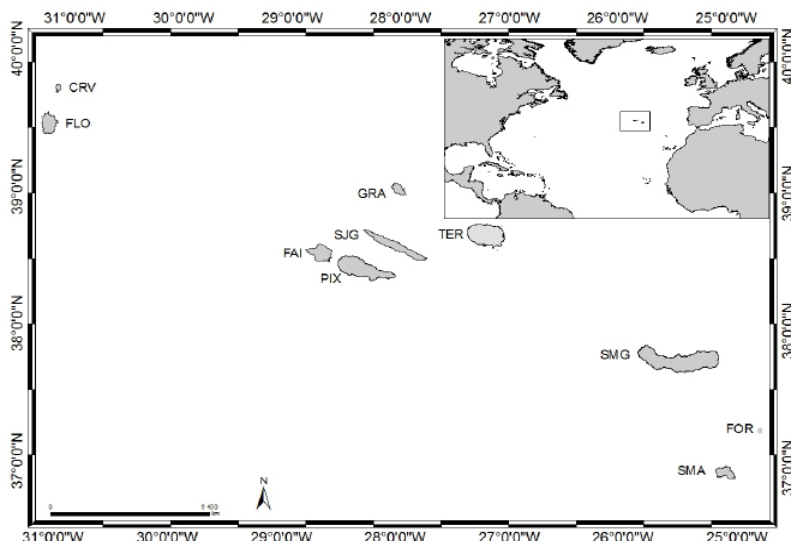


Fig.1. Archipelago of the Azores

METHODOLOGY

The present checklist is based on a thorough revision of the available literature (e.g., floristic, taxonomic, and ecological publications and academic thesis), which cover the whole floristic information available for the Azores since 1838. Taxonomic research of selected genus performed over several years, encompassing classical and molecular approaches, has resulted in the confirmation of many taxa but also on the exclusion of a few species from the algal flora.

The systematic list encompasses all records of macroalgae listed for the archipelago of the Azores (including the currently accepted taxon names and all the previous bibliographic records for the region) belonging to the phyla Rhodophyta, Chlorophyta and Ochrophyta (Phaeophyceae).

The systematic arrangement, nomenclature and taxonomic status follow Guiry & Guiry (2021). Phylla, subphyla, classes, subclasses, orders, families, subfamilies, genera, tribes, and taxa (including species, subspecies, varieties, and forms) are arranged reflecting a natural classification (see, Verbruggen *et al.* 2009, 2010; Silberfeld *et al.* 2014; Brodie *et al.* 2016; Rösler *et al.* 2016; Díaz-Tapia *et al.* 2017; Díaz-Tapia *et al.* 2019; Bringloe *et al.* 2020; Del Cortona *et al.* 2020). The accepted name is followed by the taxon status (native, endemic, uncertain or introduced) and by all taxonomic synonyms for the region. For each taxon references are organized chronologically for all the islands where the material was collected.

All data and references were doubled checked by at least two of the authors.

The marine macroalgal floras of Faroe Islands (Nielsen & Gunnarsson 2001) and other Macaronesian archipelagoes (Madeira, Neto *et al.* 2001; Canary Islands, Haroun *et al.* 2002; Cabo Verde, Prud'homme van Reine *et al.* 2005) were compared with the Azorean one. Feldmann's ratio (number of Rhodophyta/number of Ochrophyta, Feldmann 1937) and Cheney's ratio (number of Rhodophyta + Chlorophyta/number of Ochrophyta, Cheney 1977) were calculated to evaluate the flora affinities.

RESULTS

In this updated list of Azorean macroalgae flora, the currently accepted names of 495 taxa (including species, subspecies, varieties, and forms) belonging to 38 orders and 88 families are listed, distributed among the phyla Rhodophyta (22 orders and 50 families), Chlorophyta (4 orders and 17 families), and Ochrophyta (12 orders and 21 families) (Table 1). A considerable number of taxon names listed in previous publications (283 in total, 174 Rhodophyta, 48 Chlorophyta and 61 Ochrophyta), are no longer currently accepted because they have been synonymized. Research compiled in this list also resulted in the exclusion from the flora of 34 previously recorded taxa as they were mistakenly included on previous lists or were misidentifications (Table 2).

The endemic species described for the region by Schmidt (1929a, b, 1931) are kept, although type specimens were presumably destroyed in Berlin during the 2nd World War, and it was not possible to revise them. From these only *Codium elisabethae* was confirmed, and now has the status of Macaronesian endemic (Freitas *et al.* 2019).

Chaetomorpha fibrosa, although considered of uncertain taxonomic position (Furnari *et al.* 1999), and *Sargassum vulgare* var. *tenuifolium*, despite not having distributional records in Algae Base to date (Guiry & Guiry 2021) are also kept in the list. The records of *Herposiphonia secunda* f. *secunda*, considered a preliminary entry that has not been subject to full verification in Guiry & Guiry (2021), were included as *Herposiphonia secunda*. *Antithamnion nipponicum* (Montagne) J. Brauner, reported to the Azores by Micael *et al.* (2014) was considered by Athanasiadis (2009) as a misapplied designation of *Antithamnion hubbsii*; this is therefore the designation adopted in the present checklist. *Scinaia acuta*, recorded to the region as an invasive species by León-Cisneros *et al.* (2011b) based on two specimens collected on Santa Maria Island was never recorded since then. Therefore, following the criteria of Micael *et al.* (2014) the species is treated here as having uncertain status. Similarly, the records of *Codium fragile* are considered uncertain because they may refer to the native subspecies *Codium fragile* subsp. *atlanticum* or to the introduced subspecies *Codium fragile* subsp. *fragile*.

In summary, total taxa comprise 333 Rhodophyta, 74 Chlorophyta and 88 Ochrophyta (Phaeophyceae). Besides the 399 native taxa, nine are Azorean endemics (six Rhodophyta, *Lithophyllum azorum*, *Lithophyllum bipartitum*, *Polysiphonia azorica*, *Polysiphonia hochstetteriana*, *Predaea feldmannii* subsp. *azorica* and *Vertebrata barbarae*, three Chlorophyta, *Cladophora michalensis*, *Cladophora theotonii* and *Cladophora weizenbaurii*) and seven are Macaronesian endemics six Rhodophyta, *Botryocladia macaronesica*, *Laurencia viridis*, *Melanothamnus macaronesicus*, *Meristotheca decumbens*, *Millerella tinerfensis*, *Phyllophora gelidioides* and one Chlorophyta, *Codium elisabethiae*). In addition, 32 taxa are probably introduced (23 Rhodophyta, four Chlorophyta and five Ochrophyta) and 48 have an uncertain status for the region (34 Rhodophyta, seven Chlorophyta and seven Ochrophyta).

The number of total taxa is highest in São Miguel Island, followed by Pico, Graciosa, Santa Maria, Faial, Terceira, Flores, and of introduced taxa is highest in São Miguel Island, Santa Maria, Faial, Pico, Graciosa, Flores and Terceira (Table 3). The Feldmann and the Cheney ratios indicate a dominance of Rhodophyta in all islands, but variability in the abundance of the Chlorophyta (highest in Terceira, São Jorge and Flores) and Ochrophyta (highest in the remaining islands).

Except for Cabo Verde, the values of the Feldmann and the Cheney ratios for the Azores were higher than the remaining *sensu stricto* Macaronesian archipelagos and higher than the Faroe Islands (Table 4).

Updated checklist of the marine macroalgae of the Azores archipelago

Table 1. Summary of the macroalgal flora of the Azores with information on the number of taxa (N taxa) and species origin (Azo end- Azores endemics; Mac end- Macaronesia endemics; Introd- introduced; Uncrt- uncertain origin.

Phylum	Order	Family	N taxa	Native	Azo end	Mac end	Introd	Uncrt
Rhodophyta	22	50	333	264	6	6	23	34
Chlorophyta	4	17	74	60	3	1	4	7
Ochrophyta	12	21	88	76			5	7
Total	38	88	495	399	9	7	32	48

Table 2. Species previously excluded from the Azorean algal flora by previous authors

Rhodophyta
Bangiales
Bangiaceae
<i>Bangia atropurpurea</i> (Mertens ex Roth) C. Agardh
<i>Bangia dulcis atropurpurea</i> (Mertens ex Roth) W.A. Nelso
Müller <i>et al.</i> 2003
This entity is a freshwater species and a probably a misidentification of <i>Bangia fuscopurpurea</i> (Dillwyn) Lyngbye.
Ahnfeltiales
Ahnfeltiaceae
<i>Ahnfeltia plicata</i> (Hudson) Fries
Tittley & Neto 2005
Ceramiales
Rhodomelaceae
<i>Brongniartella byssoides</i> (Goodenough & Woodward) F. Schmitz
<i>Vertebrata byssoides</i> (Goodenough & Woodward) Kuntze
Tittley & Neto 2005
Freitas <i>et al.</i> (2019) and Gaspar <i>et al.</i> (2019) mistakenly included this species on their lists.
<i>Polysiphonia lanosa</i> (Linnaeus) Tandy
<i>Vertebrata lanosa</i> (Linnaeus) T.A. Christensen
Tittley <i>et al.</i> 2009
<i>Polysiphonia simpliciuscula</i> P. Crouan & H. Crouan
<i>Ophidocladus simpliciusculus</i> (P. Crouan & H. Crouan) Falkenberg

Tittley & Neto 2005

Freitas *et al.* (2019) and Gaspar *et al.* (2019)
mistakenly included this species on their lists.

Gigartinales

Cystocloniaceae

Calliblepharis ciliata (Hudson) Kützing
Tittley & Neto 2005

Dumontiaceae

Dilsea carnosa (Schmidel) Kuntze
Tittley *et al.* 2001

Dumontia contorta (S. G. Gmelin) Ruprecht
Tittley & Neto 2005

Gigartinaceae

Chondrus crispus Stackhouse
Tittley & Neto 2005

Phylloporaceae

Coccotylus truncatus (Pallas) M.J. Wynne & J.N. Heine
Tittley *et al.* 2001

Mastocarpus stellatus (Stackhouse) Guiry
Tittley & Neto 2005

Palmariales

Palmariaceae

Palmaria palmata (Linnaeus) F. Weber & D. Mohr
Tittley & Neto 2005

Freitas *et al.* (2019) and Gaspar *et al.* (2019)
mistakenly included this species on their lists.

Peyssonneliales

Peyssonneliaceae

Peyssonnelia coriacea Feldmann
Gabriel *et al.* 2015

This entity was a probably a misidentification of
Peyssonnelia squamaria (S. G. Gmelin) Decaisne ex
J. Agardh, the only species of the genus confirmed for
the Azorean archipelago.

Peyssonnelia polymorpha (Zanardini) F. Schmitz
Gabriel *et al.* 2015

This entity was a probably a misidentification of
Peyssonnelia squamaria (S. G. Gmelin) Decaisne ex
J. Agardh, the only species of the genus confirmed for
the Azorean archipelago.

Peyssonnelia rosa-marina Boudouresque & Denizot

Updated checklist of the marine macroalgae of the Azores archipelago

Gabriel *et al.* 2015

This entity was a probably a misidentification of *Peyssonnelia squamaria* (S.G. Gmelin) Decaisne ex J. Agardh, the only species of the genus confirmed for the Azorean archipelago.

Peyssonnelia rubra (Greville) J. Agardh

Gabriel *et al.* 2015

This entity was a probably a misidentification of *Peyssonnelia squamaria* (S.G. Gmelin) Decaisne ex J. Agardh, the only species of the genus confirmed for the Azorean archipelago.

Rhodymeniales

Lomentariaceae

Lomentaria baileyana (Harvey) Farlow

Hooperia divaricata (Durant) M.J. Wynne, C.W. Schneider & G.W. Saunders

Tittley & Neto 2005

Rhodymeniaceae

Cordylecladia erecta (Greville) J. Agardh

Tittley & Neto 2005

Halichrysis depressa (J. Agardh) F. Schmitz

Tittley & Neto 2005

Chlorophyta

Bryopsidales

Codiaceae

Codium bursa (Olivi) C. Agardh

Tittley *et al.* 2009

Chlamydomonadales

Palmellaceae

Urococcus hookerianus (Berk. & Hassall) Kützing

Guiry & Guiry 2020

Recorded for the Azores by Fralick *et al.* (1985), this entity is currently regarded as a synonym of the Cyanobacteria *Hassallia hookeriana* (Berkeley & Hassall) Trevisan, nom. inval.

Ulvales

Ulvaceae

Ulva lactuca Linnaeus

Hughey *et al.* 2019

This entity was a probably a misidentification of *Ulva fenestrata* Postels & Ruprecht and consequently all the other forms reported to the Azores by Schmidt (1929a, 1931), Neto (1994) and Gain (1914), *Ulva lactuca* f. *genuina* Hauck, *Ulva lactuca* f. *lapathifolia* (Kützinger) Hauck, *Ulva lactuca* f. *latissima* Schiffner, *Ulva lactuca* f. *pulvinata* Schmidt, *Ulva lactuca* f. *rigida* De Toni were removed.

Cladophorales

Cladophoraceae

Cladophora rupestris (Linnaeus) Kützinger

Tittley *et al.* 2009

Ochrophyta

Dictyotales

Dictyotaceae

Lobophora variegata (J.V. Lamouroux) Womersley ex E.C. Oliveira

Vieira *et al.* 2020

Recorded for the Azores by Picconne (1889), South & Tittley (1986), Neto (1994), Tittley & Neto (1994), Botelho *et al.* (2010), Parente (2010), Vaz-Pinto *et al.* (2014), Freitas *et al.* (2019), Haroun *et al.* (2019) and Neto *et al.* (2020a, b, 2021a, b, c), this genus is in need of further revision in the Azores.

Spatoglossum schroederi (C. Agardh) Kützinger

Tittley & Neto 2005

Ectocarpales

Scytosiphonaceae

Colpomenia peregrina Sauvageau

Tittley *et al.* 2009

Fucales

Fucaceae

Fucus ceranoides Linnaeus

Tittley & Neto 2005

Fucus vesiculosus Linnaeus

Tittley & Neto 2005

Sargassaceae

Sargassum natans (Linnaeus) Meyen

Tittley & Neto 2005

Updated checklist of the marine macroalgae of the Azores archipelago

Table 3. Summary of the macroalgal flora of the Azores with information on the number and percentage of taxa per Islets/island (FOR-Formigas; SMA-Santa Maria; SMG-São Miguel; TER-Terceira; GRA-Graciosa; SJG-São Jorge; PIX-Pico; FAI-Faial; FLO-Flores; COR-Corvo). The Feldmann and the Cheney ratios, and the number and percentage of introduced species (the later calculated as a function of the total number of introduced species in the Azores, 39), are also given.

	FOR	SMA	SMG	TER	GRA	SJG	PIX	FAI	FLO	COR
Rhodophyta	42	156	255	117	167	59	169	140	101	43
Chlorophyta	12	35	60	36	35	13	41	34	37	17
Ochrophyta	18	46	72	31	46	10	42	43	30	17
Total	72	237	387	184	248	82	258	217	168	77
% Rhodophyta	58.3	65.8	65.9	63.6	67.3	72.0	65.5	64.5	60.1	55.8
% Chlorophyta	16.7	14.8	15.5	19.6	14.1	15.9	17.1	15.7	22.0	22.1
% Ochrophyta	25.0	19.4	18.6	16.8	18.5	12.2	17.4	19.8	17.9	22.1
Feldmann's ratio	2.33	3.39	3.54	3.77	3.63	5.90	3.76	3.26	3.37	2.53
Cheney's ratio	3.0	4.15	4.38	4.93	4.39	7.20	4.73	4.05	4.60	3.53
Introduced species	4	17	20	8	12	5	12	14	8	4
% Introduced species	5.55	7.17	5.17	4.35	4.84	6.10	4.65	6.45	4.76	5.19

Table 4. Number of the macroalgae taxa per phylum in the Faroe Islands and Macaronesian archipelagos. The Feldmann and the Cheney ratios are also given.

Phyllum	Faroe Islands (Nielsen & Gunnarsson 2001)	Azores (this study)	Madeira (Neto <i>et al.</i> 2001)	Canary Islands (Haroun <i>et al.</i> 2002)	Cabo Verde (Prud'homme van Reine <i>et al.</i> 2005)
Rhodophyta	113	333	231	385	220
Chlorophyta	64	74	64	125	57
Ochrophyta	83	88	64	117	53
Feldmann's ratio	1.36	3.78	3.61	3.29	4.15
Cheney's ratio	2.13	4.62	4.61	4.36	5.23

TAXONOMIC ACCOUNT

Phyllum Rhodophyta Wettstein 1901

Subphyllum Proteorhodophytina Muñoz-Gómez, Mejía-Franco, Durnin, Colp, Grisdale, J.M. Archibald & Slamovits, 2017

Class Stylonematophyceae H.S. Yoon, K.M. Müller, R.G. Sheath, F.D. Ott & D. Bhattacharya 2006

Order Stylonematales K.M. Drew 1956

Family Stylonemataceae K.M. Drew 1956

***Stylonema alsidii* (Zanardini) K.M. Drew**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

Goniotrichum elegans (Chauvin) Zanardini

São Miguel: Schmidt (1929a); Neto (1994). **Terceira:** Schmidt (1929a); Larkum (1960); Neto (1994). **Faial:** Schmidt (1929a); Neto (1994).

***Stylonema cornu-cervi* Reinsch**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2001); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

Class Compsopogonophyceae G.W. Saunders & Hommersand 2004

Order Erythropeltales Garbary, G.I. Hansen & Scagel 1980

Family Erythrotrichiaceae G.M. Smith 1933

***Erythrotrichia carnea* (Dillwyn) J. Agardh**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.* (2010); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Tittley *et al.* (1998).

***Porphyrostromium ciliare* (Carmichael) M.J. Wynne**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley & Neto (2005); Neto *et al.* (2021a).

Subphyllum Eurhodophytina G.W. Saunders & Hommersand

Class Bangiophyceae Wettstein 1901

Subclass Bangiophycidae Wettstein 1901 Order Bangiales F. Schmitz 1847

Family Bangiaceae Duby 1830

***Bangia fuscopurpurea* (Dillwyn) Lyngbye**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Schmidt (1929a, 1931); Neto (1994); Tittley & Neto (2005); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a, 1931); Larkum (1960); Neto (1994); Martins *et al.* (2014a). **Faial:** Schmidt (1929a); Neto (1994); Tittley & Neto (2005). **Corvo:** Tittley & Neto (2005).

***Neopyropia leucosticta* (Thuret) L.-E. Yang & J. Brodie**

Native

São Miguel: Neto *et al.* (2021a).

Porphyra leucosticta Thuret

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Gaspar *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Neto *et al.* (2021a). **Faial:** Neto *et al.* (2020d). **Pico:** Palminha (1957); Neto (1994).

Pyropia leucosticta (Thuret) Neefus & J. Brodie

Azores: Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Faial:** Neto *et al.* (2020d).

***Porphyra atropurpurea* (Oliv) De Toni**

Native

São Miguel: Schmidt (1929a); Neto (1994). **Terceira:** Schmidt (1929a); Larkum (1960); Neto (1994).

***Porphyra linearis* Greville**

Native

Azores: Pereira (2015).

***Porphyra umbilicalis* Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1990); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

Class Florideophyceae Cronquist 1960

Subclass Hildenbrandiophycidae G.W. Saunders & Hommersand 2004

Order Hildenbrandiales Pueschel & K.M. Cole 1982

Family Hildenbrandiaceae Rabenhorst 1868

***Hildenbrandia crouaniorum* J. Agardh**

Native

Azores: Freitas *et al.* (2019). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Hildenbrandia canariensis Børgesen **Azores:** Neto (1994).

***Hildenbrandia rubra* (Sommerfelt) Meneghini**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Bertocci *et al.* (2017); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017). **Faial:** Neto (1994); Tittley & Neto (1994).

Subclass Nemaliophycidae T.A. Christensen 1978

Order Colaconematales J.T. Harper & G.W. Saunders 2002

Family Colaconemataceae J.T. Harper & G.W. Saunders 2002

***Colaconema codicola* (Børgesen) Stegenga, J.J. Bolton & R.J. Anderson**

Native

Rhodothamniella codicola (Børgesen) Bidoux & Magne

Graciosa: Tittley *et al.* (2009).

Order Acrochaetiales Feldmann 1953

Family Acrochaetiaceae Melchior 1954

***Acrochaetium cheminii* J. Feldmann**

Native

Azores: Ardré *et al.* (1973); Neto (1994); Freitas *et al.* (2019).

***Acrochaetium crassipes* (Børgesen) Børgesen**

Native

Azores: Freitas *et al.* (2019).

Audouinella crassipes (Børgesen) Garbary

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994).

***Acrochaetium microscopicum* (Nägeli ex Kützing) Nägeli**

Native

Azores: Parente (2010).

Family Rhodochortonaceae

***Rhodochorton purpureum* (Lightfoot) Rosenvinge**

Native

Azores: Neto (1994); Parente (2010).

Rhodochorton rothii (Turton) Nägeli

Terceira: Larkum (1960); Neto (1994).

Order Nematiales F. Schmitz 1892

Family Scinaiaaceae Huisman, J.T. Harper & G.W. Saunders

***Scinaia acuta* M.J. Wynne**

Introduced

Azores: León-Cisneros *et al.* (2011b); Neto *et al.* (2014). **Santa Maria:** León-Cisneros *et al.* (2011b); Neto *et al.* (2021b).

***Scinaia complanata* (Collins) A.D. Cotton**

Native

Azores: Sangil *et al.* (2018).

***Scinaia furcellata* (Turner) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); León-Cisneros *et al.* (2011b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); León-Cisneros *et al.* (2011b). **São Miguel:** Neto (1990, 1994); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994).

***Scinaia interrupta* (A.P. de Candolle) M.J. Wynne**

Native

Azores: Parente (2010); León-Cisneros *et al.* (2011b); Freitas *et al.* (2019). **Santa Maria:** León-Cisneros *et al.* (2011b). **São Miguel:** León-Cisneros *et al.* (2011a, 2011b); Neto *et al.* (2021a). **Graciosa:** León-Cisneros *et al.* (2011b); Neto *et al.* (2020a). **Pico:** León-Cisneros *et al.* (2011b); Neto *et al.* (2020b).

Scinaia turgida Chemin

Updated checklist of the marine macroalgae of the Azores archipelago

São Miguel: Neto (1990, 1994). **São Jorge:** Fredericq *et al.* (1992); Neto (1994). **Faial:** Fredericq *et al.* (1992); Neto (1994).

Family Liagoraceae Kützing 1843

***Liagora distenta* (Mertens ex Roth) J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Neto (1994).

***Liagora maderensis* Kützing**

Native

Azores: Freitas *et al.* (2019).

***Liagora tetrasporifera* Borgesen**

Native

Azores: Sangil *et al.* (2018).

***Liagora viscida* (Forsskål) C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994, 2001); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Neoizziella divaricata* (C.K. Tseng) S.-M. Lin, S.-Y. Yang & Huisman**

Introduced

Formigas: Neto *et al.* (2020c). **São Miguel:** Neto *et al.* (2021a). **Flores:** Neto *et al.* (2021c).

Liagora divaricata C.K. Tseng

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Bullock *et al.* (1990); Neto (1994).

Family Nemaliaceae De Toni & Levi 1886

***Nemalion elminthoides* (Velley) Batters**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Hawkins *et al.* (1990); Neto (1992, 1994); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017). **Graciosa:** Neto *et al.* (2020a). **Pico:** Palminha (1957); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Nemalion helminthoides (Velley) Batters

Azores: Parente (2010); Wallenstein *et al.* (2013b); Haroun *et al.* (2019).

***Nemalion lubricum* Duby**

Native

São Miguel: Schmidt (1931); Neto (1994). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Larkum (1960); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Subclass Corallinophycidae Le Gall & G.W. Saunders 2007
Order Corallinales P.C. Silva & H.W. Johansen 1986
Family Corallinaceae J.V. Lamouroux 1812
Subfamily Corallinoideae (J.E. Areschoug) Foslie 1908
Tribe Corallineae J.E. Areschoug 1852

***Corallina ferreyrae* E.Y. Dawson, Acleto & Foldvik**

Native

Azores: Brodie *et al.* (2013). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Flores:** Neto *et al.* (2021c).

Corallina caespitosa R.H. Walker, J. Brodie & L.M. Irvine

Azores: Sangil *et al.* (2018).

***Corallina officinalis* Linnaeus**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Couto *et al.* (2014); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Picconne (1889); Gain (1914); Schmidt (1931); Bullock *et al.* (1990); Neto (1990, 1992, 1994); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Graciosa:** Neto (1989, 1994). **Pico:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Gain (1914); Schmidt (1931); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Ellisolandia elongata* (J. Ellis & Solander) K.R. Hind & G.W. Saunders**

Native

Azores: Neto (1994); Couto *et al.* (2014); Martins *et al.* (2018); Freitas *et al.* (2019). **Formigas:** Couto *et al.* (2014). **Santa Maria:** Botelho *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Couto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Cacabelos *et al.* (2018, 2020); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Couto *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Couto *et al.* (2014); Neto *et al.* (2020f). **Pico:** Couto *et al.* (2014); Neto *et al.* (2020b). **Faial:** Couto *et al.* (2014). **Flores:** Couto *et al.* (2014); Neto *et al.* (2021c). **Corvo:** Couto *et al.* (2014).

Corallina elongata J. Ellis & Solander

Azores: South & Tittley (1986); Neto (1994); Martins *et al.* (2008); Parente (2010); Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Martins *et al.* (2014b); Couto *et al.* (2015). **Banco D. João de Castro:** Ávila *et al.* (2004). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010); Martins *et al.* (2014a). **São Miguel:** Castro & Viegas (1987); Neto (1994, 2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2008a, 2009a, 2009b, 2010); Couto *et al.* (2010); Martins *et al.* (2013a, 2014a, 2016). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Martins *et al.* (2014a).

Corallina mediterranea Areschoug

Azores: Ardré *et al.* (1974); Neto (1994); Rosas-Alquicira *et al.* (2011a).

Tribe Janieae H.W. Johansen & P.C. Silva 1978

***Jania capillacea* Harvey**

Native

Azores: Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Sangil *et al.* (2018); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b, 2010). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Jania crassa* J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Freitas *et al.* (2019). **São Miguel:** Neto (2000a, 2000b); Neto *et al.* (2021a). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Jania natalensis Harvey

Santa Maria: Agardh (1870); Neto (1994). **São Miguel:** Schmidt (1929b); Neto (1994). **Terceira:** Schmidt (1929b); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994).

Corallina natalensis (Harvey) Kützting

Azores: Rosas-Alquicira *et al.* (2011a). **Terceira:** Larkum (1960); Neto (1994).

***Jania longifurca* Zanardini**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b); Micael *et al.* (2014). **São Miguel:** Neto (1992, 1994, 2000a, 2000b); Wallenstein *et al.* (2008b, 2009b); Micael *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c).

***Jania pedunculata* var. *adhaerens* (J.V. Lamouroux) A.S. Harvey, Woelkerling & Reviere**

Native

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Jania adhaerens J.V. Lamouroux

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Sangil *et al.* (2018); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **São Miguel:** Neto (1990, 1992, 2001); Wallenstein *et al.* (2010). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).

***Jania pumila* J.V. Lamouroux**

Native

Azores: Wallenstein *et al.* (2013b). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

***Jania rubens* (Linnaeus) J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et*

al. (2011a); Wallenstein *et al.* (2013b); Martins *et al.* (2014b, 2018); Pereira (2015); Freitas *et al.* (2019). **Santa Maria:** Agardh (1870); Neto (1994); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Castro & Viegas (1987); Neto (1990, 1992, 1994, 2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Bertocci *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Trelease (1987); Neto (1989, 1994); Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Palminha (1957); Fralick *et al.* (1985); Neto (1994); Couto *et al.* (2011); Neto *et al.* (2020b). **Faial:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Trelease (1987); Neto (1994).

Corallina rubens Linnaeus

São Miguel: Gain (1914); Neto (1994). **Terceira:** Larkum (1960); Neto (1994). **Flores:** Gain (1914); Neto & Baldwin (1990); Neto (1994).

***Jania rubens* var. *corniculata* (Linnaeus) Yendo**

Native

Azores: Rosas-Alquicira *et al.* (2011a); Freitas *et al.* (2019).

Jania corniculata (Linnaeus) J.V. Lamouroux

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Corallina corniculata Linnaeus

Azores: Seubert (1844); Neto (1994).

***Jania squamata* (Linnaeus) J.H. Kim, Guiry & H.-G. Choi**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Haliptilon squamatum (Linnaeus) H.W. Johansen, L.M. Irvine & A. Webster

Azores: South & Tittley (1986); Neto (1994); Rosas-Alquicira *et al.* (2011a). **São Miguel:** Tittley & Neto (2005).

Corallina squamata Linnaeus

Faial: Schmidt (1929b); Neto (1994).

***Jania verrucosa* J.V. Lamouroux**

Native

Azores: Rosas-Alquicira *et al.* (2011a); Freitas *et al.* (2019). **São Miguel:** Neto (2000b, 2001); Neto *et al.* (2021a).

***Jania virgata* (Zanardini) Montagne**

Uncertain

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Haliptilon virgatum (Zanardini) Garbary & H.W. Johansen

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Couto *et al.* (2014). **Canal Pico-Faial:** Tittley & Neto (1994). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014). **São Miguel:** Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014). **Terceira:** Martins *et*

Updated checklist of the marine macroalgae of the Azores archipelago

al. (2014a); Micael *et al.* (2014). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014). **São Jorge:** Martins *et al.* (2014a); Micael *et al.* (2014). **Pico:** Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Tittley *et al.* (1998).

Corallina granifera J. Ellis & Solander

Azores: Rosas-Alquicira *et al.* (2011a). **São Miguel:** Gain (1914); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994).

Corallina virgata Zanardini

Faial: Picconne (1889); Neto (1994).

Order Hapalidiales W.A. Nelson, J.E. Sutherland, T.J. Farr & H.S. Yoon in W.A. Nelson & al. 2015

Family Hapalidiaceae J.E. Gray 1865

Subfamily Choreonematoideae Woelkerling 1987

***Choreonema thuretii* (Bornet) F. Schmitz**

Native

Azores: Freitas *et al.* (2019). **Pico:** Couto *et al.* (2011).

Subfamily Melobesioideae Bizzozero 1885

***Melobesia membranacea* (Esper) J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Pico:** Picconne (1889); Neto (1994).

Lithothamnion membranaceum (Esper) Foslie

Flores: Gain (1914); Neto (1994).

Family Mesophyllumaceae C.W. Schneider & M.J. Wynne 2019

***Mesophyllum expansum* (Philippi) Cabioch & M.L. Mendoza**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Athanasiadis & Neto (2000). **Graciosa:** Athanasiadis & Neto (2000); Neto *et al.* (2020a). **Pico:** Athanasiadis & Neto (2000). **Flores:** Neto *et al.* (2021c).

Mesophyllum lichenoides (J. Ellis) M. Lemoine

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019).

Family Spongitaceae Kützing 1843

Subfamily Neogoniolithoideae A. Kato & M. Baba in A. Kato, M. Baba & S. Suda 2011

***Neogoniolithon brassica-florida* (Harvey) Setchell & L.R. Mason**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Amen *et al.* (2005). **São Miguel:** Rosas-Alquicira *et al.* (2009); Johnson *et al.* (2017); Hernandez-Kantun *et al.* (2017).

***Spongites fruticulosus* Kützing**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Amen *et al.* (2005).

Family Porolithaceae R.A. Townsend & Huisman 2018

Subfamily Porolithoideae A. Kato & M. Baba in A. Kato, M. Baba & S. Sida 2011

***Porolithon onkodes* (Heydrich) Foslie**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Faial:** Schmidt (1931); Neto (1994).

Hydrolithon onkodes (Heydrich) Penrose & Woelkerling

Azores: Parente (2010).

Family Lithophyllaceae Athanasiadis 2016

Subfamily Lithophylloideae Setchell 1943

Tribe Lithophylleae Zanardini 1844

***Lithophyllum azorum* M. Lemoine**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Faial:** Schmidt (1931); Neto (1994).

***Lithophyllum bipartitum* M. Lemoine**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Faial:** Schmidt (1931); Neto (1994).

***Lithophyllum crouaniorum* Foslie**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Johnson *et al.* (2017); Hernandez-Kantun *et al.* (2017).

***Lithophyllum decussatum* (J. Ellis & Solander) Philippi**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019).

***Lithophyllum esperi* (M. Lemoine) South & Tittley**

Native

Azores: South & Tittley (1986); Neto (1994); Neto & Tittley (1995); Parente (2010).

Pseudolithophyllum esperi M. Lemoine

Faial: Schmidt (1931); Neto (1994).

***Lithophyllum incrustans* Philippi**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Amen *et al.* (2005). **Graciosa:** Neto *et al.* (2020a). **Pico:** Rebelo *et al.* (2018); Neto *et al.* (2020b).

***Lithophyllum prototypum* (Foslie) Foslie**

Native

Santa Maria: Rebelo *et al.* (2014); Johnson *et al.* (2017).

***Lithophyllum vickersiae* M. Lemoine**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Faial:** Schmidt (1931); Neto (1994).

Tribe Dermatolitheae Cabioch 1972

***Tenarea tortuosa* (Esper) M. Lemoine**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Neto (1994); Wallenstein & Neto (2006); Neto *et al.* (2021a). **Pico:** Neto

Updated checklist of the marine macroalgae of the Azores archipelago

et al. (2020b). **Faial**: Neto *et al.* (2020d). **Flores**: Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Lithophyllum tortuosum (Esper) Foslie

Azores: Parente (2010). **São Miguel**: Castro & Viegas (1987); Neto (1994); Bertocci *et al.* (2017). **Terceira**: Bertocci *et al.* (2017). **Pico**: Palminha (1957); Neto (1994). **Faial**: Paulino *et al.* (2017).

***Titanoderma pustulatum* (J.V. Lamouroux) Nägeli**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Santa Maria**: Amen *et al.* (2005).

Lithophyllum pustulatum (J. V. Lamouroux) Foslie

Azores: Parente (2010).

Dermatolithon pustulatum (J. V. Lamouroux) Foslie

São Miguel: Castro & Viegas (1987); Neto (1994). **Pico**: Fralick *et al.* (1985); Neto (1994). **Faial**: Fralick *et al.* (1985); Neto (1994).

Melobesia pustulata J. V. Lamouroux

Terceira: Trelease (1987); Sampaio (1904); Neto (1994). **Pico**: Picconne (1889); Neto (1994). **Faial**: Picconne (1889); Neto (1994).

Tribe Amphiroeae Cabioch 1972

***Amphiroa beauvoisii* J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Rosas-Alquicira *et al.* (2011b); Freitas *et al.* (2019). **Formigas**: Neto *et al.* (2020c). **Santa Maria**: Wallenstein *et al.* (2009b). **São Miguel**: Wallenstein *et al.* (2009b); Rosas-Alquicira *et al.* (2011b, 2013); Neto *et al.* (2021a). **Terceira**: Schmidt (1931); Neto (1994); Neto *et al.* (2020e). **Graciosa**: Wallenstein *et al.* (2009b); Rosas-Alquicira *et al.* (2011b); Neto *et al.* (2020a). **São Jorge**: Rosas-Alquicira *et al.* (2011b); Neto *et al.* (2020f). **Pico**: Neto (1994); Tittley & Neto (1994); Rosas-Alquicira *et al.* (2011b, 2013); Neto *et al.* (2020b). **Faial**: Schmidt (1931); Neto (1994); Tittley & Neto (1994); Rosas-Alquicira *et al.* (2011b); Neto *et al.* (2020d). **Flores**: Tittley *et al.* (1998); Rosas-Alquicira *et al.* (2011b); Neto *et al.* (2021c).

***Amphiroa cryptarthrodia* Zanardini**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a, 2011b); Neto *et al.* (2014); Freitas *et al.* (2019). **São Miguel**: Rosas-Alquicira *et al.* (2011b, 2013); Neto *et al.* (2021a). **Graciosa**: Rosas-Alquicira *et al.* (2011b, 2013); Neto *et al.* (2020a). **Pico**: Rosas-Alquicira *et al.* (2011b). **Faial**: Schmidt (1931); Neto (1994); Tittley & Neto (1994).

***Amphiroa exilis* Harvey**

Introduced

Azores: Rosas-Alquicira *et al.* (2011a). **Santa Maria**: Agardh (1870); Neto (1994). **Faial**: Picconne (1889); Neto (1994).

***Amphiroa* (Linnaeus) J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria**: Neto *et al.* (2021b).

São Miguel: Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

***Amphiroa fragilissima f. cyathifera* (J.V. Lamouroux) Weber-van Bosse**

Native

Azores: Rosas-Alquicira *et al.* (2011b); Freitas *et al.* (2019). **Flores:** Rosas-Alquicira *et al.* (2011b).

***Amphiroa rigida* J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Rosas-Alquicira *et al.* (2011a); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Family Lithothamniaceae H.J. Haas 1886

Tribe Phymatolitheae Adey & H.W. Johansen 1972

***Phymatolithon calcareum* (Pallas) W.H. Adey & D.L. McKibbin ex Woelkering & L.M. Irvine**

Native

Azores: Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Rebelo *et al.* (2014); Johnson *et al.* (2017). **Pico:** Rosas-Alquicira *et al.* (2009); Hernandez-Kantun *et al.* (2017); Rebelo *et al.* (2018); Neto *et al.* (2020b).

***Phymatolithon lenormandii* (Areschoug) Adey**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Graciosa:** Neto *et al.* (2020a).

Lithothamnion lenormandii (Areschoug) Foslie

Faial: Schmidt (1931); Neto (1994).

***Phymatolithon tenuissimum* (Foslie) W.H. Adey**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019).

Subclass Rhodmeniophycidae G.W. Saunders & Hommersand 2004

Order Ceramiales Oltmanns 1904

Family Callithamniaceae Kützing 1843

Subfamily Callithamnioideae De Toni 1903

Tribe Callithamnieae F. Schmitz & Hauptfleisch 1897

***Aglaothamnion bipinnatum* (P. Crouan & H. Crouan) J. Feldmann & G. Feldmann**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

***Aglaothamnion cordatum* (Børgesen) Feldmann-Mazoyer**

Uncertain

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

Callithamnion cordatum Børgesen

Azores: Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **Faial:** Martins *et al.* (2014a).

***Aglaothamnion feldmanniae* Halos**

Uncertain

Azores: Parente (2010).

***Aglaothamnion pseudobyssoides* (P. Crouan & H. Crouan) Halos**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Parente & Neto (2000); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

Callithamnion pseudobyssoides P. Crouan & H. Crouan

Azores: Parente (2010). **São Miguel:** Neto (1994); Tittley & Neto (1994).

***Aglaothamnion tenuissimum* (Bonnemaison) Feldmann-Mazoyer**

Uncertain

Azores: Parente (2010); Micael *et al.* (2014); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Micael *et al.* (2014).

Aglaothamnion byssoides (Arnott ex Harvey) C.F. Boudouresque & M.M. Perret-Boudouresque

São Miguel: Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998).

Callithamnion byssoides Arnott ex Harvey

Azores: South & Tittley (1986); Neto (1994).

***Callithamnion corymbosum* (Smith) Lyngbye**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (1990, 1992, 1994); Wallenstein *et al.* (2009b, 2013a); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994).

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

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2000a); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Callithamnion cf. spongiosum Harvey

Santa Maria: Neto *et al.* (1991); Neto (1994).

***Callithamnion tetragonum* (Withering) S.F. Gray**

Native

Azores: Seubert (1844); Drouët (1866); Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Gain (1914); Neto (1994, 2000a); Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Callithamnion tetragonum* var. *divaricatum* Rosenvinge**

Native

Santa Maria: Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Wallenstein *et al.* (2009b).

***Callithamnion tetricum* (Dillwyn) S.F. Gray**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Faial:** Neto (1994); Tittley & Neto (1994).

***Gaillona gallica* (Nägeli) Athanasiadis**

Native

São Miguel: Neto *et al.* (2021a).

Aglaothamnion gallicum (Nägeli) Halos ex Ardré

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Parente & Neto (2000).

***Gaillona hookeri* (Dillwyn) Athanasiadis**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

Aglaothamnion hookeri (Dillwyn) Maggs & Hommersand

Azores: Parente (2010). **São Miguel:** Neto (2001). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a).

Callithamnion hookeri (Dillwyn) S. F. Gray

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Schmidt (1931); Neto (1992, 1994). **Terceira:** Larkum (1960); Neto (1994).

***Gaillona rosea* (Roth) Athanasiadis**

Native

Azores: Freitas *et al.* (2019).

Aglaothamnion roseum (Roth) Maggs & L'Hardy-Halos

Azores: Parente (2010). **Faial:** Neto (1994); Tittley & Neto (1994).

Tribe Gymnothamnieae M. Kajimura 1989

***Gymnothamnion elegans* (Schousboe ex C. Agardh) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Plumaria schouboei (Bornet) F. Schmitz

Faial: Schmidt (1931); Neto (1994).

Tribe Perithamnieae Athanasiadis 1996

***Scageliopsis patens* E.M. Wollaston**

Introduced

Azores: Morton & Britton (2000); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Faial:** Neto (1994); Tittley & Neto (1994); Neto & Tittley (1995); Micael *et al.* (2014).

Subfamily Crouanioideae De Toni 1903

Tribe Crouanieae F. Schmitz & Hauptfleisch 1897

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

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Martins *et al.* (2014a); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a).

Subfamily Spyridioideae De Toni 1903

Tribe Spyrideae F. Schmitz & P. Hauptfleisch 1897

***Spyridia filamentosa* (Wulfen) Harvey**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2001); Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Family Wrangeliaceae J. Agardh 1851

Tribe Griffithsiae Schmitz & Hauptfleisch 1897

***Bornetia secundiflora* (J. Agardh) Thuret**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Anotrichium barbatum* (C. Agardh) Nägeli**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (2001); Parente & Neto (2000); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

***Anotrichium furcellatum* (J. Agardh) Baldock**

Uncertain

Azores: Parente (2010). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Parente & Neto (2000); Wallenstein *et al.* (2009b); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

***Anotrichium tenue* (C. Agardh) Nägeli**

Native

Azores: Parente (2010); Patarra *et al.* (2017); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.*

(2009b); Martins *et al.* (2014a); Prestes *et al.* (2017); Patarra *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Griffithsia corallinoides* (Linnaeus) Trevisan**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (2001); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Micael *et al.* (2014). **Flores:** Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c).

***Griffithsia devoniensis* Harvey**

Native

Azores: Freitas *et al.* (2019). **Flores:** Neto *et al.* (2021c).

***Griffithsia globulifera* Harvey ex Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

***Griffithsia phyllamphora* J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Schmidt (1931); Neto (1994); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994).

***Halurus equisetifolius* (Lightfoot) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Parente *et al.* (2010); Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **Graciosa:** Neto *et al.* (2020a).

***Halurus flosculosus* (J. Ellis) Maggs & Hommersand**

Native

Azores: Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2009); Neto *et al.* (2021a). **Graciosa:** Tittley *et al.* (2009); Neto *et al.* (2020a). **Flores:** Tittley *et al.* (2009); Neto *et al.* (2021c).

Griffithsia flosculosa (J. Ellis) Batters

Santa Maria: Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).

***Vickersia baccata* (J. Agardh) Karsakoff**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019); Gaspar *et al.* (2019).

Callithamnion baccatum J. Agardh

Santa Maria: Agardh (1870); Neto (1994).

Tribe Wrangelieae Schmitz & Hauptfleisch 1897

***Wrangelia argus* (Montagne) Montagne**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019); Gaspar *et al.* (2019).

***Wrangelia penicillata* (C. Agardh) C. Agardh**

Native

Azores: Freitas *et al.* (2019); Gaspar *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Tribe Lejolisieae Feldmann-Mazoyer 1941

***Lejolisia mediterranea* Bornet**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b).

***Ptilothamnion pluma* (Dillwyn) Thuret**

Uncertain

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a).

Tribe Monosporaeae F. Schmitz & Hauptfleisch 1897

***Monosporus pedicellatus* (Smith) Solier**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2009); Wallenstein *et al.* (2010); Martins *et al.* (2014a); Neto *et al.* (2021a).

Tribe Sphondylothamnieae Feldmann-Mazoyer 1941

***Diplothamnion jolyi* C. van den Hoek**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2013a); Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

***Grallatoria reptans* M. Howe**

Uncertain

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

***Sphondylothamnion multifidum* (Hudson) Nägeli**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (2001); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a).

Tribe Spermiothamnieae F. Schmitz 1889

***Spermiothamnion flabellatum* Bornet**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Martins *et al.* (2014a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Faial:** Martins *et al.* (2014a).

***Spermothamnion repens* (Dillwyn) Magnus**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (2001); Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

Callithamnion turneri (Mertens ex Roth) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Spermothamnion strictum* (C. Agardh) Ardissonne**

Native

Azores: Martins *et al.* (2014a); Freitas *et al.* (2019). **Graciosa:** Martins *et al.* (2014a).

***Tiffaniella capitata* (Bornet) Doty & Meñez**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Subfamily Compsothamnioideae De Toni 1903

Tribe Compsothamnieae F.Schmitz & Hauptfleisch 1897

***Compsothamnion decompositum* (J. Agardh) Maggs & Hardy-Halos**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b).

Callithamnion decompositum J. Agardh

Graciosa: Martins *et al.* (2014a). **Faial:** Martins *et al.* (2014a).

***Gymnophycus hapsiphorus* Huisman & Kraft**

Introduced

São Miguel: Neto *et al.* (2020e); Neto *et al.* (2021a).

Tribe Delesseriopseae Itono & Tanaka 1973

***Balliella cladoderma* (Zanardini) Athanasiadis**

Native

Azores: Athanasiadis (1990); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Tribe Spongoclonieae F.Schmitz 1889

***Pleonosporium borrieri* (Smith) Nägeli**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a); Neto (1994); Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a).

***Spongoclonium caribaeum* (Børgesen) M.J. Wynne**

Uncertain

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

Family Ceramiaceae Dumortier 1822

Subfamily Ceramioideae De Toni 1903

Tribe Antithamnieceae Hommersand 1963

***Acrothamnion preissii* (Sonder) E.M. Wollaston**

Introduced

Santa Maria: Parente *et al.* (2018).

***Antithamnion cruciatum* (C. Agardh) Nägeli**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Neto *et al.* (2021a).

***Antithamnion decipiens* (J. Agardh) Athanasiadis**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Antithamnion ogdeniae I. A. Abbott

Faial: Neto (1994); Tittley & Neto (1994).

***Antithamnion densusum* (Suhr) M. Howe**

Introduced

Azores: Micael *et al.* (2014). **Graciosa:** Martins *et al.* (2014a). **Pico:** Micael *et al.* (2014).

***Antithamnion diminuatum* Wollaston**

Introduced

Azores: Morton & Britton (2000); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Micael *et al.* (2014). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto & Tittley (1995); Micael *et al.* (2014).

***Antithamnion heterocladum* Funk**

Native

Azores: Athanasiadis (1990); Neto (1994); Parente (2010); Freitas *et al.* (2019).

***Antithamnion hubbsii* E.Y. Dawson**

Introduced

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

Antithamnion nipponicum Yamada & Inagaki

Azores: Micael *et al.* (2014); Gaspar *et al.* (2019). **Faial:** Micael *et al.* (2014).

***Antithamnion pectinatum* (Montagne) Brauner**

Introduced

Azores: Morton & Britton (2000); Gollasch (2007); Parente (2010); Neto *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994); Neto & Tittley (1995).

Tribe Ceramieae F. Schmitz & Hauptfleisch 1897

***Ceramium arborescens* J. Agardh**

Native

Flores: Neto & Baldwin (1990); Neto (1994).

***Ceramium atrorubescens* Kylin**

Native

São Miguel: Prestes *et al.* (2017).

***Ceramium botryocarpum* A.W. Griffiths ex Harvey**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (2000a); Parente & Neto (2000); Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

***Ceramium ciliatum* (J. Ellis) Ducluzeau**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1990, 1992, 1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2010, 2013a); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Martins *et al.* (2014a).

***Ceramium cimbricum* H.E. Petersen**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Ceramium fastigiatum Harvey

Flores: Neto & Baldwin (1990); Neto (1994).

***Ceramium cingulatum* Weber Bosse**

Introduced

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **São Miguel:** Martins *et al.* (2014a); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2020e). **São Jorge:** Martins *et al.* (2014a); Micael *et al.* (2014). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

***Ceramium circinatum* (Kützing) J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b). **São Jorge:** Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Ceramium codii* (H. Richards) Mazoyer**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Ceramium derbesii* Solier ex Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Ceramium deslongchampsii* Chauvin ex Duby**

Native

Azores: Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Neto (2000a); Neto *et al.* (2021a). **Faial:** Neto *et al.* (2020d).

***Ceramium diaphanum* (Lightfoot) Roth**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Neto (2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Picconne (1889); Schmidt (1931); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994).

***Ceramium echionotum* J. Agardh**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Neto (1992, 1994, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a); Wallenstein *et al.* (2009b). **Pico:** Fralick *et al.* (1985); Neto (1994); Neto *et al.* (2020b).: Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Flores:** Neto *et al.* (2021c).

***Ceramium gaditanum* (Clemente) Cremades**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Flores:** Micael *et al.* (2014); Neto *et al.* (2021c).

Ceramium flabelligerum J. Agardh

Azores: Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1992, 1994). **Faial:** Neto & Azevedo (1990); Neto (1994).

***Ceramium pallidum* (Kützing) Maggs & Hommersand**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Martins *et al.* (2014a).

***Ceramium pennatum* (Hudson) Roth**

Native

Azores: Parente (2010). **São Miguel:** Neto (1990, 1994).

***Ceramium secundatum* Lyngbye**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

***Ceramium spinosopilosum* Kützing**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Schmidt (1929b); Neto (1994).

***Ceramium strictum* Roth**

Native

Santa Maria: Neto *et al.* (2021b).

***Ceramium tenerrimum* (G. Martens) Okamura**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto (2000a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Flores:** Martins *et al.* (2014a).

***Ceramium tenuicorne* (Kützing) Waern**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Ceramium strictum Greville & Harvey

Azores: South & Tittley (1986); Neto (1994). **Terceira:** Schmidt (1929a); Larkum (1960); Neto (1994).

***Ceramium virgatum* Roth**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Ceramium nodulosum (Lightfoot) Ducluzeau

São Miguel: Neto (2000a).

Ceramium rubrum C. Agardh

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Patarra *et al.* (2017). **Santa Maria:** Wallenstein *et al.* (2010); Martins *et al.* (2014a). **São Miguel:** Schmidt (1931); Castro & Viegas (1987); Neto (1990, 1992, 1994); Wallenstein *et al.* (2010, 2013a); Martins *et al.* (2014a); Prestes *et al.* (2017); Patarra *et al.* (2019). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Neto (1989, 1994); Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Faial:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Flores:** Gain (1914); Neto & Azevedo (1990); Neto (1994); Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Centroceras clavulatum* (C. Agardh) Montagne**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Castro & Viegas (1987); Neto (1994, 2000a, 2000b); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Martins *et al.* (2014a, 2018); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Sampaio (1904); Neto (1994); Martins *et al.* (2014a); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.*

Updated checklist of the marine macroalgae of the Azores archipelago

(2014a); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Martins *et al.* (2014a).

Ceramium clavulatum C. Agardh

São Miguel: Schmidt (1931); Neto (1994, 2001).

***Gayliella flaccida* (Harvey ex Kützinger) T.O. Cho & L.J. McIvor**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Pico:** Neto *et al.* (2020b).

Ceramium flaccidum (Harvey ex Kützinger) Ardissonne

Santa Maria: Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2008a, 2009b); Prestes *et al.* (2017). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a).

Tribe Dohrnielleae Feldmann-Mazoyer 1941

***Antithamnionella boergesenii* (Cormaci & G. Furnari) Athanasiadis**

Uncertain

Azores: Freitas *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Pico:** León-Cisneros *et al.* (2012); Micael *et al.* (2014); Neto *et al.* (2020b).

***Antithamnionella floccosa* (O.F. Müller) Whittick**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

***Antithamnionella spirographidis* (Schiffner) E.M. Wollaston**

Introduced

Azores: Parente (2010). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Faial:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Antithamnionella ternifolia* (J.D. Hooker & Harvey) Lyle**

Introduced

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

Antithamnion sarniense (Lyle) Feldmann-Mazoyer

São Miguel: Castro & Viegas (1987); Neto (1994).

***Callithamniella tingitana* (Schousboe ex Bornet) Feldmann-Mazoyer**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Tribe Pterothamnieae Athanasiadis 1996

***Pterothamnion crispum* (Ducluzeau) Nägeli**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (2000a, 2001); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Faial:** Neto (1994); Tittley & Neto (1994).

***Pterothamnion plumula* (J. Ellis) Nägeli**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).
São Miguel: Neto (2001); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

Antithamnion plumula (J. Ellis) Thuret

Terceira: Schmidt (1929a); Neto (1994).

Tribe Scagelieae Athanasiadis 1996

***Scagelia pylaisae* (Montagne) M.J. Wynne**

Native

São Miguel: Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

Tribe Scagelothamnieae Athanasiadis 1996

***Scagelothamnion turneri* (Mertens ex Roth) Athanasiadis**

Native

Spermothamnion turneri (Mertens ex Roth) Areschoug

Terceira: Larkum (1960); Neto (1994).

Family Delesseriaceae Bory de Saint-Vincent 1828

Subfamily Nitophylloideae De Toni 1903

Tribe Nitophylleae J. Agardh 1897

***Nitophyllum punctatum* (Stackhouse) Greville**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).
Santa Maria: Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Schmidt (1929a);
Neto (1994, 2000a, 2001); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a); Neto
(1994); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).
Faial: Schmidt (1929a); Neto (1994).

***Radicilingua thysanorhizans* (Holmes) Papenfuss**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Tribe Neuroglosseae J. Agardh 1898

***Drachiella heterocarpa* (Chauvin ex Duby) Maggs & Hommersand**

Native

São Miguel: Neto *et al.* (2021a).

Subfamily Heterosiphonioideae H.-G. Choi, Kraft, I.K. Lee & G.W. Saunders 2002

***Heterosiphonia crispella* (C. Agardh) M.J. Wynne**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).
Santa Maria: Wallenstein *et al.* (2009b). **São Miguel:** Tittley *et al.* (2001); Wallenstein
et al. (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.*
(2020a). **Pico:** Neto *et al.* (2020b).

Subfamily Delesserioideae Stizenberger 1860

Tribe Hypoglosseae M.J. Wynne 2001

***Hypoglossum heterocystideum* (J. Agardh) J. Agardh**

Introduced

Graciosa: Neto *et al.* (2020a).

***Hypoglossum hypoglossoides* (Stackhouse) Collins & Hervey**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Pereira (2015); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Flores:** Neto *et al.* (2021c).

Subfamily Dasyoideae De Toni 1903

***Dasya baillouviana* (S.G. Gmelin) Montagne**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2001); Micael *et al.* (2014); Neto *et al.* (2021a).

***Dasya caraibica* Børgesen**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a).

***Dasya corymbifera* J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

Dasya cf. harveyi Kützing

Faial: Neto (1994); Tittley & Neto (1994).

***Dasya crouaniana* J. Agardh**

Native

São Miguel: Neto *et al.* (2021a).

***Dasya hutchinsiae* Harvey**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (2001); Wallenstein *et al.* (2009b); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a).

***Dasya ocellata* (Grateloup) Harvey**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Schmidt (1929b); Neto (1994); Neto *et al.* (2021a). **Terceira:** Schmidt (1929b); Larkum (1960); Neto (1994). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

***Dasya rigidula* (Kützing) Ardissonne**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b).

***Eupogodon planus* (C. Agardh) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2009); Neto *et al.* (2021a).

Subfamily Sarcomenioideae De Toni 1900

Tribe Apoglosseae S.-M. Lin, Fredericq & Hommersand 2012

***Apoglossum ruscifolium* (Turner) J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a).

São Miguel: Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a).

Tribe Caloglosseae M.J. Wynne 2001

***Taenioma nanum* (Kützing) Papenfuss**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

São Jorge: Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b).

Faial: Neto (1994); Tittley & Neto (1994). **Flores:** Neto *et al.* (2021c).

***Taenioma perpusillum* (J. Agardh) J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

Tribe Sarcomenieae J. Agardh 1863

***Cottoniella filamentosa* (M. Howe) Børgesen**

Native

Azores: Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

***Platysiphonia delicata* (Clemente) Cremades**

Native

Azores: Parente (2010). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

Subfamily Phycodryoideae S.-M. Lin, Fredericq & Hommersand 2001

Tribe Cryptopleureae M.J. Wynne 2001

***Acrosorium ciliolatum* (Harvey) Kylin**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Acrosorium venulosum (Zanardini) Kylin

Azores: Wallenstein *et al.* (2013b). **Banco D. João de Castro:** Ávila *et al.* (2004). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b, 2010, 2013a); Neto (2001). **Graciosa:** Álvaro *et al.* (2008); Wallenstein *et al.* (2009b). **Flores:** Tittley *et al.* (1998).

***Cryptopleura ramosa* (Hudson) L. Newton**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (1994,

Updated checklist of the marine macroalgae of the Azores archipelago

2000a, 2001); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto *et al.* (2021c).

Acrosorium reptans (P. Crouan & H. Crouan) Kylin

Santa Maria: Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1994).

Acrosorium uncinatum (Turner) Kylin

Azores: South & Tittley (1986); Neto (1994). **Canal Pico-Faial:** Tittley & Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Castro & Viegas (1987); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Delesseria lacerata (S.G. Gmelin) C. Agardh

Azores: Drouët (1866); Neto (1994).

Fucus laceratus S.G. Gmelin

Azores: Drouët (1866); Neto (1994).

Nitophyllum laceratum (S.G. Gmelin) Greville

São Miguel: Gain (1914); Neto (1994).

Nitophyllum uncinatum (Turner) J. Agardh

Santa Maria: Agardh (1870); Neto (1994). **São Miguel:** Gain (1914); Neto (1994).

Tribe Myriogrammeae Hommersand & Fredericq 1997

***Haraldiophyllum bonnemaisonii* (Kylin) A.D. Zinova**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Neto *et al.* (2021a).

Delesseria hypoglossum (Woodward) J.V. Lamouroux

Santa Maria: Agardh (1870); Neto (1994).

Hypoglossum woodwardii Kützing

São Miguel: Gain (1914); Neto (1994). **Terceira:** Larkum (1960); Neto (1994).

***Myriogramme minuta* Kylin**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b).

Drachiella minuta (Kylin) Maggs & Hommersand

São Miguel: Tittley *et al.* (2009).

Tribe Phycodryeae M.J. Wynne 2001

***Erythroglossum laciniatum* (Lightfoot) Maggs & Hommersand**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

***Haraldia lenormandii* (Derbès & Solier) J. Feldmann**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Family Rhodomelaceae Horaninow 1847
Tribe Bostrychieae Falkenberg 1901

***Bostrychia scorpioides* (Hudson) Montagne**

Native

Azores: Neto (1994); Tittley & Neto (2005); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Tribe Lophothalieae F. Schmitz & Falkenberg 1897

***Lophocladia trichoclados* (C. Agardh) F. Schmitz 1893**

Introduced

Santa Maria: Costa *et al.* (2017). **São Miguel:** Costa *et al.* (2017).

Tribe Lophosiphonieae Fritsch 1945

***Lophosiphonia cristata* Falkenberg**

Native

Santa Maria: Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Martins *et al.* (2014a); Prestes *et al.* (2017). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Lophosiphonia obscura* (C. Agardh) Falkenberg**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b). **Graciosa:** Wallenstein *et al.* (2009b).

Lophosiphonia subadunca (Kützing) Falkenberg

Faial: Neto (1994); Tittley & Neto (1994).

Tribe Herposiphonieae F. Smitz & Falkenberg 1897

***Herposiphonia secunda* (C. Agardh) Ambronn**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2013a); Martins *et al.* (2014a, 2018); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020d). **Corvo:** Martins *et al.* (2014a).

***Herposiphonia secunda f. tenella* (C. Agardh) M.J. Wynne**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

***Stichothamnion cymatophilum* Børgesen**

Native

Azores: Martins *et al.* (2014a); Freitas *et al.* (2019). **São Miguel:** Martins *et al.* (2018); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a).

Tribe Dipterosiphonieae Díaz-Tapia & Maggs in Díaz-Tapia & al. 2017

***Dipterosiphonia rigens* (Shousboe ex C. Agardh) Falkenberg**

Native

São Miguel: Prestes *et al.* (2017). **Graciosa:** Martins *et al.* (2014a).

Tribe Pterosiphonieae Falkenberg 1901

***Aphanocladia stichidiosa* (Funk) Ardré**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** León-Cisneros *et al.* (2012); Neto *et al.* (2020e). **Pico:** León-Cisneros *et al.* (2012); Neto *et al.* (2020b).

***Symphyclocladia marchantioides* (Harvey) Falkenberg**

Introduced

Azores: South & Tittley (1986); Neto (1994); Morton & Britton (2000); Parente (2010); Wallenstein *et al.* (2013b); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Formigas:** Ardré *et al.* (1974); Neto (1994); Micael *et al.* (2014). **Santa Maria:** Ardré *et al.* (1974); Neto (1994); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Ardré *et al.* (1974); Castro & Viegas (1987); Neto (1994, 2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Ardré *et al.* (1974); Neto (1994); Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Micael *et al.* (2014). **Pico:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

***Symphyclocladiella parasitica* (Hudson) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Polysiphonia parasitica (Hudson) Greville

Santa Maria: Agardh (1870); Neto (1994).

Pterosiphonia parasitica (Hudson) Falkenberg

Azores: South & Tittley (1986); Neto (1994); Parente (2010).

Symphyclocladia parasitica (Hudson) Savoie & G.W. Saunders

Azores: Neto (1994).

***Xiphosiphonia ardreana* (Maggs & Hommersand) Savoie & G.W. Saunders**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Pterosiphonia ardreana Maggs & Hommersand

Azores: Parente (2010). **São Miguel:** Tittley *et al.* (2001).

***Xiphosiphonia pennata* (C. Agardh) Savoie & G.W. Saunders**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

Pterosiphonia pennata (C. Agardh) Sauvageau

Azores: Parente (2010). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Castro & Viegas (1987); Neto (1994); Wallenstein *et al.* (2009b). **Graciosa:** Wallenstein *et al.* (2009b).

Xiphosiphonia pinnulata (Kützting) Savoie & G.W. Saunders

Uncertain

São Miguel: Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

Pterosiphonia pinnulata (Kützting) Maggs & Hommersand

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Santa Maria:** Micael *et al.* (2014). **São Miguel:** Micael *et al.* (2014). **Graciosa:** Micael *et al.* (2014).

Tribe Polysiphoniceae F. Schmitz 1889

Carradoriella denudata (Dillwyn) A.M. Savoie & G.W. Saunders

Uncertain

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Corvo:** Neto *et al.* (2021c).

Polysiphonia denudata (Dillwyn) Greville ex Harvey

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014). **São Miguel:** Neto (2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Gaspar *et al.* (2019). **Terceira:** Martins *et al.* (2014a); Micael *et al.* (2014). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014). **São Jorge:** Martins *et al.* (2014a); Micael *et al.* (2014). **Pico:** Martins *et al.* (2014a); Micael *et al.* (2014). **Faial:** Martins *et al.* (2014a). **Flores:** Tittley *et al.* (1998). **Corvo:** Neto & Baldwin (1990); Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014).

Carradoriella elongata (Hudson) A.M. Savoie & G.W. Saunders

Native

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Polysiphonia elongata (Hudson) Sprengel

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Neto (1994); Wallenstein *et al.* (2009b). **Graciosa:** Wallenstein *et al.* (2009b).

Polysiphonia atlantica Kapraun & J.N. Norris

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto (1992, 1994, 2001); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto (1994).

Polysiphonia macrocarpa Harvey, nom. illeg.

Flores: Neto & Baldwin (1990); Neto (1994).

Polysiphonia azorica O.C. Schmidt

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Schmidt (1929b); Neto (1994).

***Polysiphonia breviarticulata* (C. Agardh) Zanardini**

Native

Santa Maria: Neto *et al.* (2021b).

***Polysiphonia ceramiiformis* P. Crouan & H. Crouan**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a); Neto *et al.* (2021b). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Polysiphonia flocculosa* (C. Agardh) Endlicher**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

***Polysiphonia havanensis* Montagne**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Picconne (1889); Gain (1914); Neto (1990, 1992, 1994); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto & Baldwin (1990); Neto (1994).

***Polysiphonia hochstetteriana* O. C. Schmidt**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Terceira:** Schmidt (1929b); Larkum (1960); Neto (1994).

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

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1992, 1994); Neto *et al.* (2021a). **Pico:** Fralick *et al.* (1985); Neto (1994); Neto *et al.* (2020b). **Faial:** Fralick *et al.* (1985); Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Polysiphonia scopulorum* Harvey**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014); Díaz-Tapia *et al.* (2020).

***Polysiphonia sertularioides* (Grateloup) J. Agardh**

Native

São Miguel: Prestes *et al.* (2017). **Terceira:** Schmidt (1929b); Neto (1994).

***Polysiphonia stricta* (Mertens ex Dillwyn) Greville**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Martins *et al.* (2014a).

Polysiphonia urceolata (Lightfoot ex Dillwyn) Greville

São Miguel: Neto (1992, 1994). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

***Polysiphonia subcontinua* (C. Agardh) J. Agardh**

Native

São Miguel: Gain (1914); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994).

Tribe Streblocladiae Díaz-Tapia & Maggs in Díaz-Tapia *et al.* 2017

***Leptosiphonia brodiei* (Dillwyn) A.M. Savoie & G.W. Saunders**

Uncertain

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Polysiphonia brodiei (Dillwyn) Sprengel

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014). **Flores:** Martins *et al.* (2014a); Tittley *et al.* (1998). **Corvo:** Martins *et al.* (2014a).

***Leptosiphonia fibrillosa* (C. Agardh) A.M. Savoie & G.W. Saunders**

Native

Flores: Neto *et al.* (2021c).

Polysiphonia fibrillosa (Dillwyn) Sprengel

Azores: Parente (2010); Freitas *et al.* (2019).

Polysiphonia spinulosa Greville

Flores: Neto & Baldwin (1990); Neto (1994).

***Melanothamnus harveyi* (Bailey) Díaz-Tapia & Maggs**

Introduced

Santa Maria: Neto *et al.* (2021b). **Graciosa:** Neto *et al.* (2020a).

Neosiphonia harveyi (Bailey) M.-S. Kim, H.-G. Choi, Guiry & G.W. Saunders

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Graciosa:** Micael *et al.* (2014).

***Melanothamnus macaronesicus* Rodríguez-Buján & Díaz-Tapia**

Macaronesian endemism

São Miguel: Díaz-Tapia *et al.* (2021a).

***Melanothamnus sphaerocarpus* (Børgesen) Díaz-Tapia & Maggs**

Introduced

Azores: Freitas *et al.* (2019). **Terceira:** Neto *et al.* (2020e).

Polysiphonia sphaerocarpa Børgesen

São Miguel: Martins *et al.* (2014a).

Neosiphonia sphaerocarpa (Børgesen) M.-S. Kim & I.K. Lee

Azores: Martins *et al.* (2014a); Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Micael *et al.* (2014). **Terceira:** Micael *et al.* (2014). **Pico:** Micael *et al.* (2014).

***Vertebrata barbarae* Muñoz-Luque & Díaz-Tapia, sp. nov.**

Azorean endemism

São Miguel: Díaz-Tapia *et al.* (2021b).

***Vertebrata cymatophylla* (Børgesen) Muñoz-Luque & Díaz-Tapia, comb. nov.**

Native

São Miguel: Díaz-Tapia *et al.* (2021b).

***Vertebrata foetidissima* (Cocks ex Bornet) Díaz-Tapia & Maggs**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

Polysiphonia foetidissima Cocks ex Bornet

Azores: Parente (2010). **São Miguel:** Neto (2001).

***Vertebrata fruticulosa* (Wulfen) Kuntze**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Boergeseniella fruticulosa (Wulfen) Kylin

Azores: Neto (1994); Tittley & Neto (1994); Parente (2010). **Santa Maria:** Wallenstein *et al.* (2009b, 2010). **São Miguel:** Wallenstein *et al.* (2009b); Prestes *et al.* (2017). **Graciosa:** Wallenstein *et al.* (2009b).

Polysiphonia fruticulosa (Wulfen) Sprengel

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994). **São Miguel:** Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Gain (1914); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:** Trelease (1987); Neto & Baldwin (1990); Neto (1994).

***Vertebrata fucoides* (Hudson) Kuntze**

Uncertain

Azores: Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Polysiphonia fucoides (Hudson) Greville

Azores: Parente (2010). **Santa Maria:** Micael *et al.* (2014). **São Miguel:** Neto (2001); Micael *et al.* (2014). **Terceira:** Micael *et al.* (2014). **Flores:** Micael *et al.* (2014). **Corvo:** Micael *et al.* (2014).

Polysiphonia nigrescens (Hudson) Greville ex Harvey

Santa Maria: Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1990, 1992, 1994). **Terceira:** Larkum (1960); Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:** Neto & Baldwin (1990); Neto (1994).

***Vertebrata furcellata* (C. Agardh) Kuntze**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Polysiphonia furcellata (C. Agardh) Harvey

Azores: Parente (2010). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a).

***Vertebrata hypnoides* (Welwitsch) Kuntze**

Uncertain

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a).

Ctenosiphonia hypnoides (Welwitsch) Falkenberg

Santa Maria: Micael *et al.* (2014). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2013a); Micael *et al.* (2014); Prestes *et al.* (2017); Martins *et al.* (2018). **Terceira:** Micael *et al.* (2014). **Graciosa:** Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014). **Pico:** Micael *et al.* (2014).

***Vertebrata nigra* (Hudson) Díaz-Tapia & Maggs**

Native

São Miguel: Neto *et al.* (2021a).

Polysiphonia nigra (Hudson) Batters

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto (1990, 1994).

***Vertebrata reptabunda* (Suhr) Díaz-Tapia & Maggs**

Uncertain

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

Lophosiphonia reptabunda (Suhr) Kylin

Azores: Parente (2010); Wallenstein *et al.* (2013b). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014). **São Miguel:** Wallenstein *et al.* (2009b, 2013a); Micael *et al.* (2014); Prestes *et al.* (2017). **Terceira:** Micael *et al.* (2014). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014). **Pico:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Vertebrata tripinnata* (Harvey) Kuntze**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

Polysiphonia tripinnata J. Agardh

São Miguel: Wallenstein & Neto (2006). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a).

***Vertebrata thuyoides* (Harvey) Kuntze**

Native

Flores: Neto *et al.* (2021c).

***Digenea simplex* (Wulfen) C. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Tittley *et al.* (2009); Neto *et al.* (2020c).

Tribe Chondrieae F. Schmitz & Falkenberg 1897

***Chondria capillaris* (Hudson) M.J. Wynne**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b); Martins *et al.* (2018); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b). **São Jorge:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Corvo:** Neto *et al.* (2021c).

Chondria tenuissima (Withering) C. Agardh

Azores: Seubert (1844); Drouët (1866); Trelease (1987); Sampaio (1904); South & Tittley (1986); Neto (1994). **São Miguel:** Neto (1992, 1994). **Faial:** Neto (1994); Tittley & Neto (1994). **Corvo:** Neto & Baldwin (1990).

***Chondria coerulescens* (J. Agardh) Sauvageau**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Micael *et al.* (2014). **São Miguel:** Neto (2000a, 2000b); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Bertocci *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

***Chondria dasyphylla* (Woodward) C. Agardh**

Uncertain

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Micael *et al.* (2014); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Neto (1990, 1992, 2000a); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Micael *et al.* (2014); Neto *et al.* (2020f). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Tribe Laurencieae F. Schmitz 1889

***Erythrocystis montagnei* (Derbès & Solier) P.C. Silva**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Tittley *et al.* (2009); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2009); Wallenstein *et al.* (2009b); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Graciosa:** Tittley *et al.* (2009); Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Laurencia brongniartii* J. Agardh**

Uncertain

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014); Neto *et al.* (2020f). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

***Laurencia catarinensis* Cordeiro-Marino & Fujii**

Native

Azores: Machín-Sánchez *et al.* (2014).

***Laurencia chondrioides* Børgesen**

Uncertain

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014); Neto *et al.* (2020f). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

***Laurencia dendroidea* J. Agardh**

Uncertain

Azores: Micael *et al.* (2014); Gaspar *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Micael *et al.* (2014). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Laurencia majuscula (Harvey) A.H.S. Lucas

Azores: Wallenstein *et al.* (2013b); Cardigos *et al.* (2015).

***Laurencia intricata* J.V. Lamouroux**

Native

São Miguel: Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

***Laurencia microcladia* Kützing**

Native

Azores: Parente (2010); Aylagas *et al.* (2011); Machín-Sánchez *et al.* (2014); Freitas *et al.* (2019). **Santa Maria:** Tittley *et al.* (2009). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

***Laurencia minuta* Vandermeulen, Garbary & Guiry**

Uncertain

Azores: Wallenstein *et al.* (2013b). **São Miguel:** Wallenstein *et al.* (2010). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Laurencia obtusa* (Hudson) J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Aylagas *et al.* (2011); Machín-Sánchez *et al.* (2014); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994); Neto *et al.* (2021b). **São Miguel:** Neto (1994); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Graciosa:** Neto (1989, 1994); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Picconne (1889); Schmidt (1931); Neto (1994); Tittley & Neto (1994). **Flores:** Gain (1914); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Laurencia pyramidalis* Bory ex Kützing**

Native

Azores: Aylagas *et al.* (2011); Machín-Sánchez *et al.* (2014); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Laurencia obtusa var. *pyramidata* Bory ex J. Agardh

São Miguel: Schmidt (1931); Neto (1994). **Corvo:** Trelease (1987); Neto (1994).

***Laurencia tenera* C.K. Tseng**

Native

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

***Laurencia viridis* Gil-Rodríguez & Haroun**

Macaronesian endemism

Azores: Gil-Rodríguez & Haroun (1992); Parente (2010); Aylagas *et al.* (2011); Machín-Sánchez *et al.* (2014); Patarra *et al.* (2014); Pereira (2015); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Neto (2000a, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Aylagas *et al.* (2011). **Flores:** Neto *et al.* (2021c).

***Laurenciella marilzae* (Gil-Rodríguez, Senties, Díaz-Larrea, Cassano & M.T. Fujii) Gil-Rodríguez, Senties, Díaz-Larrea, Cassano & M.T. Fujii**

Native

Azores: Aylagas *et al.* (2011); Machín-Sánchez *et al.* (2014); Freitas *et al.* (2019); Haroun *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Faial:** Paulino *et al.* (2017). **Flores:** Neto *et al.* (2021c).

***Osmundea hybrida* (A.P. de Candolle) K.W. Nam**

Native

Azores: Parente (2010); Machín-Sánchez *et al.* (2016); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Laurencia hybrida (A.P. de Candolle) T. Lestiboudois

São Miguel: Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Baldwin (1990); Neto (1994).

***Osmundea oederi* (Gunnerus) G. Furnari**

Native

Azores: Machín-Sánchez *et al.* (2016); Freitas *et al.* (2019). **Santa Maria:** Machín-Sánchez *et al.* (2016). **São Miguel:** Machín-Sánchez *et al.* (2016); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Machín-Sánchez *et al.* (2016); Neto *et al.* (2020b).

Osmundea ramosissima Athanasiadis

São Miguel: Neto (2000a).

***Osmundea pinnatifida* (Hudson) Stackhouse**

Native

Azores: Neto (1994); Tittley & Neto (1994); Parente (2010); Machín-Sánchez *et al.* (2014, 2016); Paiva *et al.* (2014a, 2014b); Patarra *et al.* (2013, 2014); Pereira (2015); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Patarra *et al.* (2011); Barreto *et al.* (2012); Paiva *et al.* (2012, 2014b); Machín-Sánchez *et al.* (2016); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Machín-Sánchez *et al.* (2016); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Laurencia pinnatifida (Hudson) J.V. Lamouroux

Azores: South & Tittley (1986); Neto (1994). **São Miguel:** Gain (1914); Schmidt (1931); Castro & Viegas (1987); Hawkins *et al.* (1990); Neto (1990); Neto (1992); Neto (1994). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Graciosa:** Neto (1989); Neto (1994). **Pico:** Palminha (1957); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:** Neto & Baldwin (1990); Neto (1994).

Chondria pinnatifida (Hudson) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Osmundea prudhommevanreinei* Machín-Sánchez & Gil-Rodríguez**

Native

Azores: Machín-Sánchez *et al.* (2016); Freitas *et al.* (2019). **Pico:** Machín-Sánchez *et al.* (2016).

***Osmundea truncata* (Kützing) K.W. Nam & Maggs**

Native

Azores: Machín-Sánchez *et al.* (2016); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Machín-Sánchez *et al.* (2016); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009a); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Palisada corallopsis* (Montagne) Senties, Fujii & Díaz-Larrea**

Native

São Miguel: Neto *et al.* (2021a).

***Palisada patentiramea* (Montagne) Cassano, Senties, Gil-Rodríguez & M.T. Fujii**

Native

Graciosa: Neto *et al.* (2020a).

***Palisada perforata* (Bory) K.W. Nam**

Native

São Miguel: Martins *et al.* (2014b).

***Yuzurua poiteaui* (J.V. Lamouroux) Martin-Lescanne**

Native

Graciosa: Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Palisada poiteaui (J. V. Lamouroux) K. W. Nam

São Miguel: Wallenstein *et al.* (2013a).

Order Gracilariales Fredericq & Hommersand 1989

Family Gracilariaceae Nägeli 1847

Subfamily Gracilarioideae Stizenberger 1860

***Gracilaria gracilis* (Stackhouse) Steentoft, L.M. Irvine & Farnham**

Native

Azores: Neto & Tittley (1995); Parente (2010). **São Miguel:** Neto *et al.* (2021a).

***Gracilaria multipartita* (Clemente) Harvey**

Native

Azores: Parente (2010). **São Miguel:** Neto *et al.* (2002, 2021a).

***Gracilariopsis longissima* (S.G. Gmelin) Steentoft, L.M. Irvine & Farnham**

Updated checklist of the marine macroalgae of the Azores archipelago

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Gracilaria verrucosa (Hudson) Papenfuss

Santa Maria: Neto *et al.* (1991, 1994). **São Miguel:** Neto (1990, 1994).
Flores: Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).

Order Peyssonneliales Kravesky, Fredericq & J.N. Norris 2009

Family Peyssonneliaceae Denizot 1968

***Peyssonnelia squamaria* (S.G. Gmelin) Decaisne ex J. Agardh**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Agardh (1870); Neto (1994); Neto *et al.* (2021b). **São Miguel:** Bullock *et al.* (1990); Neto (1994); Neto (2001); Cho *et al.* (2005); Gabriel *et al.* (2015); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Sampaio (1904); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Cho *et al.* (2005); Gabriel *et al.* (2015); Neto *et al.* (2020a). **Pico:** Fralick *et al.* (1985); Neto (1994); Cho *et al.* (2005); Gabriel *et al.* (2015); Neto *et al.* (2020b). **Faial:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Order Gelidiales Kylin 1923

Family Gelidiellaceae K.C. Fan 1961

***Gelidiella acerosa* (Forsskål) J. Feldmann & Hamel**

Native

Azores: Parente (2010); Pereira (2015); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

***Millerella pannosa* (J. Feldmann) G.H. Boo & L. Le Gall**

Native

Azores: Freitas *et al.* (2019). **Terceira:** Neto *et al.* (2020e).

Gelidiella cf. tenuissima J. Feldmann & Hamel

Pico: Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Parviphycus tenuissimus B. Santelices

Azores: Parente (2010).

***Millerella tinereffensis* (Seoane-Camba) S.M. Boo & J.M. Rico**

Macaronesian endemism

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **São Jorge:** Neto *et al.* (2020f). **Flores:** Neto *et al.* (2021c).

Gelidiella tinereffensis Seoane-Camba

Azores: Parente (2010). **Santa Maria:** Tittley *et al.* (2009); Martins *et al.* (2014a). **Graciosa:** Tittley *et al.* (2009). **Flores:** Tittley *et al.* (2009).

Family Gelidiaceae Kützing 1843

***Gelidium arbuscula* Bory ex Børgesen**

Native

Azores: Freitas *et al.* (2019). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).***Gelidium corneum* (Hudson) J.V. Lamouroux**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Schmidt (1931); Neto (1994); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Faial:** Schmidt (1931); Neto (1994). **Flores:** Neto *et al.* (2021c).*Sphaerococcus corneus* C. Agardh**Azores:** Seubert (1844); Drouët (1866); Neto (1994).*Sphaerococcus corneus var. pinnatus* C. Agardh**Azores:** Seubert (1844); Neto (1994).*Gelidium sesquipedale* (Clemente) Thuret**Azores:** South & Tittley (1986); Neto (1994); Parente (2010). **São Miguel:** Castro & Viegas (1987); Neto (1994). **Pico:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).***Gelidium filicinum* Bory**

Native

Terceira: Trelease (1987); Sampaio (1904); Neto (1994).***Gelidium microdon* Kützing**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Patarra *et al.* (2013, 2014); Wallenstein *et al.* (2013b); Paiva *et al.* (2014b); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Neto (1990, 1992, 1994, 2000a, 2000b); Wallenstein & Neto (2006); Wallenstein *et al.* (2009a, 2009b, 2013a); Martins *et al.* (2010, 2013b, 2016); Patarra *et al.* (2011); Barreto *et al.* (2012); Paiva *et al.* (2012, 2017); Silva *et al.* (2013); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).*Gelidium spinulosum* (C. Agardh) J. Agardh**São Miguel:** Picconne (1889); Gain (1914); Schmidt (1931); Bullock *et al.* (1990); Neto (1994). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Neto (1989); Neto (1994). **Pico:** Palminha (1957); Neto (1994). **Faial:** Schmidt (1931); Neto (1994). **Flores:** Gain (1914); Neto (1994). **Corvo:** Trelease (1987); Neto (1994).*Gelidium spinulosum var. microdon* Kützing**São Miguel:** Picconne (1889); Neto (1994).*Gelidium spinulosum var. oxyacanthum* J. Agardh**Santa Maria:** Agardh (1870); Neto (1994). **São Miguel:** Trelease (1987); Neto (1994).*Sphaerococcus corneus var. spinulosus* C. Agardh**Azores:** Seubert (1844); Neto (1994).

***Gelidium pulchellum* (Turner) Kützinger**

Native

São Miguel: Hawkins *et al.* (1990); Neto (1994).

Sphaerococcus corneus var. *pulchellus* (Turner) C. Agardh

Azores: Seubert (1844); Neto (1994).

***Gelidium pusillum* (Stackhouse) Le Jolis**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Schmidt (1929a); Castro & Viegas (1987); Neto (1990, 1992, 1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2013a); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a); Neto (1994); Martins *et al.* (2014a); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2021c).

Gelidium pusillum var. *umbrosa* O.C. Schmidt

Terceira: Schmidt (1931); Neto (1994).

***Gelidium spinosum* (S.G. Gmelin) P.C. Silva**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Gelidium latifolium Bornet ex Hauck

Azores: André *et al.* (1974); South & Tittley (1986); Neto (1994); Sangil *et al.* (2018). **São Miguel:** Picconne (1889); Gain (1914); Schmidt (1931); Neto (1990, 1992, 1994, 2000a). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Neto (1989); Neto (1994). **Pico:** Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Faial:** Picconne (1889); Schmidt (1931); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998).

***Gelidium spinosum* var. *hystrix* (J. Agardh) G. Furnari**

Native

Gelidium latifolium var. *hystrix* (J. Agardh) Hauck

Terceira: Schmidt (1931); Neto (1994).

Family Pterocladaceae G.P. Felicini & C. Perrone 2006

***Pterocladia capillacea* (S.G. Gmelin) Santelices & Hommersand**

Native

Azores: Parente (2010); Patarra *et al.* (2013, 2014); Wallenstein *et al.* (2013b); Paiva *et al.* (2014b); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto

et al. (2021b). **São Miguel:** Neto (2000a); Neto (2000b); Neto (2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2008b, 2009b, 2010); Patarra *et al.* (2011, 2019, 2020); Paiva *et al.* (2012, 2017); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Patarra *et al.* (2020); Neto *et al.* (2020e). **Graciosa:** Álvaro *et al.* (2008); Wallenstein *et al.* (2009b); Neto *et al.* (2020a); Patarra *et al.* (2020). **São Jorge:** Patarra *et al.* (2020). **Pico:** Neto *et al.* (2020b); Patarra *et al.* (2020). **Faial:** Neto *et al.* (2020d); Patarra *et al.* (2020). **Flores:** Neto *et al.* (2021c); Patarra *et al.* (2020). **Corvo:** Neto *et al.* (2021c); Patarra *et al.* (2020).

Pterocladia capillacea (S.G. Gmelin) Bornet

Azores: Ardré *et al.* (1973, 1974); South & Tittley (1986); Neto (1994). **Santa Maria:** Trelease (1987); Sampaio (1904); Neto *et al.* (1991); Neto (1994). **São Miguel:** Picconne (1889); Gain (1914); Schmidt (1931); Castro & Viegas (1987); Bullock *et al.* (1990); Hawkins *et al.* (1990); Neto (1990, 1992, 1994). **Terceira:** Trelease (1987); Neto (1994). **Graciosa:** Neto (1989, 1994). **Pico:** Picconne (1889); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Faial:** Picconne (1889); Schmidt (1931); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Flores:** Trelease (1987); Sampaio (1904); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:** Neto & Baldwin (1990); Neto (1994).

Pterocladia pinnata (Hudson) Papenfuss

Pico: Palminha (1957); Neto (1994).

Order Acrosymphytales R.D. Withall & G.W. Saunders 2007

Family Acrosymphytaceae S.C. Lindstrom 1987

Acrosymphyton purpuriferum (J. Agardh) Sjöstedt

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Fredericq *et al.* (1992); Neto (1994). **Terceira:** Fredericq *et al.* (1992); Neto (1994). **Faial:** Fredericq *et al.* (1992); Neto (1994).

Family Schimmelmanniaceae G.W. Saunders & Kraft in Saunders & al. 2016

Schimmelmannia schousboei (J. Agardh) J. Agardh

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Flores:** Neto *et al.* (2021c).

Schimmelmannia ornata Schousboe ex Kützing

Pico: Fredericq *et al.* (1992); Neto (1994). **Faial:** Fredericq *et al.* (1992); Neto (1994). **Flores:** Tittley *et al.* (1998).

Order Sebdeniales Withall & G.W. Saunders 2007

Family Sebdeniaceae Kylin 1932

Sebdenia dichotoma Berthold

Native

Azores: Freitas *et al.* (2019). **São Miguel:** León-Cisneros *et al.* (2012); Neto *et al.* (2021a). **Pico:** León-Cisneros *et al.* (2012); Neto *et al.* (2021a).

Sebdenia rodrigueziana (J. Feldmann) Codomier ex Parkinson

Native

Azores: Freitas *et al.* (2019). **São Miguel:** León-Cisneros *et al.* (2012); Neto *et al.*

(2021a). **Pico:** León-Cisneros *et al.* (2012); Neto *et al.* (2021a).

Order Rhodymeniales F. Schmitz in Engler 1892

Family Champiaceae Kützing 1843

***Champia parvula* (C. Agardh) Harvey**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1994); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998).

***Coelothrix irregularis* (Harvey) Børgesen**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** León-Cisneros *et al.* (2012); Neto *et al.* (2021a). **Pico:** León-Cisneros *et al.* (2012); Neto *et al.* (2020b).

***Gastroclonium clavatum* (Roth) Ardissonne**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Faial:** Neto (1994); Tittley & Neto (1994).

***Gastroclonium ovatum* (Hudson) Papenfuss**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Neto (2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Gastroclonium reflexum* (Chauvin) Kützing**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Miguel:** Neto (2000a, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Machín-Sánchez *et al.* (2016); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

Family Hymenocladaceae Le Gall, Dalen & G.W. Saunders 2008

***Asteromenia peltata* (W.R. Taylor) Huisman & A.J.K. Millar**

Native

Azores: Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2002, 2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Family Lomentariaceae Willkomm 1854

***Ceratodictyon intricatum* (C. Agardh) R.E. Norris**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Flores:** Neto *et al.*

(2021c).

Gelidiopsis intricata (C. Agardh) Vickers

Azores: Parente (2010). **São Miguel:** Tittley *et al.* (2009). **Flores:** Tittley *et al.* (2009).

***Ceratodictyon scoparium* (Montagne & Millardet) R.E. Norris**

Uncertain

Flores: Neto *et al.* (2021c).

***Lomentaria articulata* (Hudson) Lyngbye**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Wallenstein *et al.* (2013b); Freitas *et al.* (2019); Parente (2010). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Gain (1914); Castro & Viegas (1987); Neto (1990, 1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley and Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Chylocladia articulata (Hudson) Greville

São Miguel: Picconne (1889); Neto (1994).

***Lomentaria clavellosa* (Lightfoot ex Turner) Gaillon**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2001). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

***Lomentaria orcadensis* (Harvey) Collins**

Uncertain

Terceira: Micael *et al.* (2014); Neto *et al.* (2020e). **Pico:** Micael *et al.* (2014).

Family Rhodymeniaceae Harvey 1849

***Botryocladia botryoides* (Wulfen) J. Feldmann**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1994, 2000a); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Chrysomenia uvaria (J.A. Murray) J. Agardh

São Miguel: Schmidt (1931); Neto (1994).

Chondria uvaria (J.A. Murray) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Botryocladia bullosa* (Levring) J.N. Norris & D.L. Ballantine**

Native

Azores: Parente (2010); Freitas *et al.* (2019).

Chrysomenia bullosa Levring

Faial: Fredericq *et al.* (1992); Neto (1994).

***Botryocladia macaronesica* Afonso-Carillo, Sobrino, Tittley & Neto**

Macaronesian endemism

Azores: Parente (2010); Neto *et al.* (2014); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Afonso-Carrillo *et al.* (2006); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Rhodymenia holmesii* Ardissonne**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Neto (1992, 1994, 2000a, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Rhodymenia pseudopalmata* (J.V. Lamouroux) P.C. Silva**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

Rhodymenia palmetta (Stackhouse) Greville

Santa Maria: Agardh (1870); Neto (1994). **São Miguel:** Picconne (1889); Gain (1914); Schmidt (1931); Neto (1994). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Sphaerococcus palmetta (Stackhouse) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

Family Rhodymeniales incertae Sedis

***Agardhinula browneae* (J. Agardh) De Toni**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2002); Neto *et al.* (2021a).

Order Halymeniales G.W. Saunders & Kraft 1996

Family Halymeniaceae Bory de Saint-Vincent 1828

***Corynomorpha prismatica* (J. Agardh) J. Agardh**

Introduced

Azores: Parente (2010); Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Fredericq *et al.* (1992); Neto (1994); Micael *et al.* (2014).

***Crytonemia crenulata* (J. Agardh) J. Agardh**

Native

São Miguel: Neto *et al.* (2021a).

***Crytonemia palmetta* (S.G. Gmelin) Woelkering, G. Furnari, Cormaci & J. McNeill**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

Crytonemia lomation (Bertoloni) J. Agardh

Azores: Parente (2010). **São Miguel:** Fredericq *et al.* (1992); Neto (1994).

***Crytonemia seminervis* (C. Agardh) J. Agardh**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a).

***Dermocorynus dichotomus* (J. Agardh) Gargiulo, M. Morabito & Manghisi**

Native

Azores: Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

Grateloupia dichotoma J. Agardh

Azores: Parente (2010); Wallenstein *et al.* (2013b). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Schmidt (1929a); Neto (1994); Wallenstein *et al.* (2009b); Bertocci *et al.* (2017); Martins *et al.* (2018). **Terceira:** Schmidt (1929b); Larkum (1960); Neto (1994). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

***Grateloupia filicina* (J.V. Lamouroux) C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Formigas:** Cardigos *et al.* (2015). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b); Wallenstein *et al.* (2010). **São Miguel:** Gain (1914); Schmidt (1929a); Neto (1990, 1994); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Pryor (1967); Neto (1994); Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Grateloupia turuturu* Yamada**

Introduced

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Santa Maria:** Micael *et al.* (2014). **São Miguel:** Micael *et al.* (2014). **Terceira:** Micael *et al.* (2014). **Graciosa:** Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014). **Pico:** Micael *et al.* (2014). **Flores:** Micael *et al.* (2014).

Halymenia reniformis (Turner) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994). **São Miguel:** Schmidt (1931); Neto (1994).

Order Nemastomatales Kylin 1925

Family Nemastomataceae Ardissonne 1869

***Predaea feldmannii* Børgesen**

Native

Azores: Neto *et al.* (2014). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Fredericq *et al.* (1992); Neto (1994). **Pico:** Fredericq *et al.* (1992); Neto (1994). **Faial:** Fredericq *et al.* (1992); Neto (1994).

***Predaea feldmannii* subsp. *azorica* Gabriel**

Azorean endemism

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Botelho *et al.* (2010). **São Miguel:** Gabriel *et al.* (2009); Neto *et al.* (2021a). **Graciosa:** Gabriel *et al.* (2009); Neto *et al.* (2020a).

***Itonoa marginifera* (J. Agardh) Masuda & Guiry**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (1990).

Platoma marginiferum (J. Agardh) Batters

São Miguel: Neto (1994); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994).

Family Schizymeniaceae (F. Schmitz & Hauptfleisch) Masuda & Guiry 1995

***Platoma confusum* (Kraft & D.M. John) Gabriel & Fredericq**

Native

Azores: Freitas *et al.* (2019).

Nemastoma confusum Kraft & D.M. John

Azores: Parente (2010). **Pico:** Fredericq *et al.* (1992); Neto (1994). **Faial:** Fredericq *et al.* (1992); Neto (1994).

***Platoma cyclocolpum* (Montagne) F. Schmitz**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Botelho *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Neto (1990, 1994); Gabriel *et al.* (2010, 2011); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Gabriel *et al.* (2010); Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Schizymenia apoda* (J. Agardh) J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Gabriel *et al.* (2010, 2011); Neto *et al.* (2021a). **Graciosa:** Gabriel *et al.* (2010, 2011); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Schizymenia dubyi (Chauvin ex Duby) J. Agardh

Azores: South & Tittley (1986); Neto (1994). **São Miguel:** Schmidt (1929b); Neto (1994); Wallenstein & Neto (2006). **Terceira:** Schmidt (1929b); Neto (1994). **Pico:** Palminha (1957); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994); Tittley & Neto (1994).

Schizymenia obovata (J. Agardh) J. Agardh

Corvo: Trelease (1987); Neto (1994).

Schizymenia undulata J. Agardh

Terceira: Trelease (1987); Neto (1994).

Order Plocamiales G.W. Saunders & Kraft 1994

Family Plocamiaceae Kützing 1843

***Plocamium cartilagineum* (Linnaeus) P.S. Dixon**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Sangil *et al.* (2018); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Neto (1990, 1994, 2000a, 2000b, 2001); Neto & Tittley (1995); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a, 2016); Bertocci *et al.* (2017); Prestes *et al.* (2017); Cacabelos *et al.* (2020); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto (1989,

1994); Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Plocamium coccineum Lyngbye

São Miguel: Gain (1914); Schmidt (1931); Neto (1994). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Neto (1994). **Faial:** Schmidt (1931); Neto (1994). **Flores:** Gain (1914); Neto (1994).

Fucus cartilagineus Linnaeus

Azores: Drouët (1866); Neto (1994).

Gelidium cartilagineum (Linnaeus) Gaillon

Faial: Trelease (1987); Neto (1994).

Delesseria plocamium C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

Order Bonnemaisoniales Feldmann & G. Feldmann 1952

Family Bonnemaisoniaceae F. Schmitz 1892

Asparagopsis armata Harvey

Introduced

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Gollasch (2007); Parente (2010); Wallenstein *et al.* (2013b); Gabriel *et al.* (2014); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Santos *et al.* (2015, Sangil *et al.* (2018); Gaspar *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b); Botelho *et al.* (2010); Torres *et al.* (2010); Micael *et al.* (2014). **São Miguel:** Bullock *et al.* (1990); Neto (1990, 1994, 2000a, 2000b, 2001); Neto & Tittley (1995); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Kellaris *et al.* (2019); Martins *et al.* (2019a); Cacabelos *et al.* (2020); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Bertocci *et al.* (2017); Martins *et al.* (2019a); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Martins *et al.* (2019a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Martins *et al.* (2019a); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c).

Falkenbergia rufolanosa (Harvey) F. Schmitz

Azores: Wallenstein *et al.* (2013b); Gaspar *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b, 2010). **São Miguel:** Neto (1994); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Asparagopsis taxiformis (Delile) Trevisan

Native

Azores: Gain (1914); Neto (1994); Gollasch (2007); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Pereira (2015); Santos *et al.* (2015);

Updated checklist of the marine macroalgae of the Azores archipelago

Sangil *et al.* (2018); Haroun *et al.* (2019). **Santa Maria:** Torres *et al.* (2010); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Tittley & Neto (2005); Micael *et al.* (2014); Kellaris *et al.* (2019); Martins *et al.* (2019a); Cacabelos *et al.* (2020); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2019a); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Martins *et al.* (2019a); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Micael *et al.* (2014); Martins *et al.* (2019a); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Asparagopsis delilei Montagne

São Miguel: Schmidt (1929b); Neto (1994). **Graciosa:** Schmidt (1929b); Larkum (1960); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994).

Falkenbergia hillebrandii (Bornet) Falkenberg

São Miguel: Schmidt (1929b); Neto (1994). **Terceira:** Larkum (1960); Neto (1994). **Faial:** Schmidt (1929b); Neto (1994).

***Bonnemaisonia asparagoides* Harvey(Woodward) C. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Tittley *et al.* (2001); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b).

***Bonnemaisonia hamifera* Hariot**

Introduced

Azores: Morton & Britton (2000); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014).

Order Gigartinales F. Schmitz 1892

Family Cruoriaceae (J. Agardh) Kylin 1928

***Cruoria pellita* (Lyngbye) Fries**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Family Kallymeniaceae (J. Agardh) Kylin 1928

***Kallymenia reniformis* (Turner) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1990, 1994, 2001); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Meredithia microphylla* (J. Agardh) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Family Dumontiaceae Bory de Saint-Vincent 1828

***Dudresnaya crassa* M. Howe**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2001); Neto *et al.* (2021a).***Dudresnaya verticillata* (Withering) Le Jolis**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto (1992, 1994); Martins *et al.* (2018); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Family Sphaerococcaceae Dumortier 1822

***Sphaerococcus coronopifolius* Stackhouse**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Patarra *et al.* (2013); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto & Tittley (1995); Neto (2000b, 2001); Patarra *et al.* (2011); Paiva *et al.* (2012); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).*Fucus coronopifolius* Goodenough & Woodward

Azores: Drouët (1866); Neto (1994).

Family Gigartinaceae Bory de Saint-Vincent 1828

***Chondracanthus acicularis* (Roth) Fredericq**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Neto (2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Bertocci *et al.* (2017); Prestes *et al.* (2017); Martins *et al.* (2018); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).*Gigartina acicularis* (Roth) J.V. Lamouroux**Azores:** South & Tittley (1986); Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994). **São Miguel:** Gain (1914); Schmidt (1931); Castro & Viegas (1987); Neto (1990, 1992, 1994). **Graciosa:** Neto (1989); Neto (1994). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:** Neto & Baldwin (1990); Neto (1994).*Sphaerococcus acicularis* (Roth) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Chondracanthus teedei* (Mertens ex Roth) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Wallenstein & Neto (2006); Neto *et al.* (2021a). **Terceira:** Neto

Updated checklist of the marine macroalgae of the Azores archipelago

et al. (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Gigartina teedei (Mertens ex Roth) J.V. Lamouroux

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1990, 1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Sphaerococcus teedei (Mertens ex Roth) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Gigartina pistillata* (S.G. Gmelin) Stackhouse**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (1992); Neto (1994); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a); Neto (1994). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Family Phylloporaceae Rabenhorst 1863

***Ahnfeltiopsis devoniensis* (Greville) P.C. Silva & DeCew**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2009); Neto *et al.* (2021a). **Graciosa:** Tittley *et al.* (2009); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Gymnogongrus devoniensis (Greville) Schotter

Azores: South & Tittley (1986); Neto (1994).

***Ahnfeltiopsis intermedia* (Kyllin) Stegenga, Bolton & R.J. Anderson**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b).

***Erythrodermis traillii* (Holmes ex Batters) Guiry & Garbary**

Uncertain

Azores: Freitas *et al.* (2019); Gaspar *et al.* (2019). **São Miguel:** Neto (2001); Micael *et al.* (2014); Neto *et al.* (2021a). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020d). **Corvo:** Micael *et al.* (2014); Neto *et al.* (2021c).

Phyllophora traillii Holmes ex Batters

São Miguel: Neto (1992, 1994). **Corvo:** Neto & Baldwin (1990); Neto (1994).

***Gymnogongrus crenulatus* (Turner) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Picconne (1889); Gain (1914); Neto (1994, 2000a); Wallenstein *et al.* (2009b, 2013a); Bertocci *et al.* (2017); Prestes *et al.* (2017); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin

(1990); Neto (1994); Neto *et al.* (2021c). **Corvo**: Neto *et al.* (2021c).

***Gymnogongrus griffithsiae* (Turner) C. Martius**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Formigas**: Neto *et al.* (2020c). **Santa Maria**: Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel**: Castro & Viegas (1987); Neto (1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira**: Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa**: Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge**: Neto *et al.* (2020f). **Pico**: Neto *et al.* (2020b). **Faial**: Neto (1994); Tittley & Neto (1994). **Flores**: Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo**: Neto *et al.* (2021c).

***Gymnogongrus tenuis* J. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Pico**: Neto (1994); Tittley & Neto (1994). **Faial**: Neto (1994); Tittley & Neto (1994).

***Phyllophora crispata* (Hudson) P.S. Dixon**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria**: Neto *et al.* (2021b). **São Miguel**: Neto (1994, 2001); Neto *et al.* (2021a). **Graciosa**: Neto *et al.* (2020a). **Flores**: Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Phyllophora gelidioides* P. Crouan & H. Crouan ex Karsakoff**

Macaronesian endemism

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel**: Wallenstein & Neto (2006); Tittley *et al.* (2009); Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Terceira**: Neto *et al.* (2020e). **Graciosa**: Tittley *et al.* (2009); Neto *et al.* (2020a). **Pico**: Neto *et al.* (2020b).

***Phyllophora sicula* (Kützinger) Guiry & L.M. Irvine**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel**: Tittley & Neto (2005); Neto *et al.* (2021a).

***Schottera nicaeensis* (J. V. Lamouroux ex Duby) Guiry & Hollenberg**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria**: Neto *et al.* (1991); Neto (1994); Micael *et al.* (2014). **São Miguel**: Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021a). **Pico**: Micael *et al.* (2014); Neto *et al.* (2020b). **Faial**: Neto *et al.* (2020d). **Flores**: Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c). **Corvo**: Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c).

***Stenogramma interruptum* (C. Agardh) Montagne**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Flores**: Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Family Furcellariaceae Greville 1830

***Halarachnion ligulatum* (Woodward) Kützinger**

Native

Azores: Freitas *et al.* (2019). **Santa Maria**: Neto *et al.* (2021b). **São Miguel**:

Wallenstein *et al.* (2010); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Family Cystocloniaceae Kützing 1843

***Hypnea arbuscula* P.J.L. Dangeard**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Fredericq *et al.* (1992); Neto (1994); Neto *et al.* (2020b). **Faial:** Fredericq *et al.* (1992); Neto (1994).

***Hypnea cervicornis* J. Agardh**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).

***Hypnea flagelliformis* Greville ex J. Agardh**

Introduced

Azores: Micael *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **São Miguel:** Neto & Tittley (1995); Micael *et al.* (2014). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b).

***Hypnea musciformis* (Wulfen) J.V. Lamouroux**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994, 200a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Micael *et al.* (2014); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Micael *et al.* (2014). **Pico:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021c).

***Hypnea spinella* (C. Agardh) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019); Haroun *et al.* (2019). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

***Rhodophyllis divaricata* (Stackhouse) Papenfuss**

Native

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1994); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994).

***Rhodophyllis bifida* (Greville) Kützing**

Native

Santa Maria: Agardh (1870); Neto (1994).

Family Caulacanthaceae Kützing 1843

***Catenella caespitosa* (Withering) L.M. Irvine**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (1992, 1994); Wallenstein *et al.* (2009b); Martins *et al.* (2018); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

Catenella opuntia (Goodenough & Woodward) Greville

Faial: Schmidt (1929a); Neto (1994).

***Caulacanthus ustulatus* (Mertens ex Turner) Kützing**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Neto *et al.* (2014); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Schmidt (1931); Neto (1994, 2000a, 2000b); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2013a); Martins *et al.* (2011, 2016, 2018); Micael *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2020f). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Paulino *et al.* (2017). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

***Feldmannophycus rayssiae* (J. Feldmann & G. Feldmann) H. Augier & Boudouresque**

Native

Santa Maria: Neto *et al.* (2021b).

Family Solieriaceae J. Agardh 1876

***Meristotheca decumbens* Grunow**

Macaronesian endemism

Azores: Parente (2010). **São Miguel:** Neto *et al.* (2002).

***Wurdemannia miniata* (Sprengel) J. Feldmann & Hamel**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley & Neto (2005); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e).

Phylum Chlorophyta Reichenbach 1834

Class Ulvophyceae K.R.Mattox & K.D.Stewart 1984

Order Ulotrichales Borzi 1895

Family Gayraliaceae K.L. Vinogradova 1969

***Gayralia oxysperma* (Kützing) K.L. Vinogradova ex Scagel et al.**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley & Neto (2005); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e).

Ulvaria oxysperma Kützing

Azores: Tittley & Neto (2005).

Family Monostromataceae Kunieda 1934

***Monostroma grevillei* (Thuret) Wittrock**

Native

Azores: Parente (2010); Freitas *et al.* (2019).

Ulvopsis grevillei (Thuret) Gayral

São Miguel: Castro & Viegas (1987); Neto (1994).

Family Ulotrichaceae Kützing 1843

***Ulothrix flacca* (Dillwyn) Thuret**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Schmidt (1931); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (2005); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994).

Order Ulvales Blackman & Tansley 1902

Family Kornmanniaceae L. Golden & K.M. Cole 1986

***Blidingia marginata* (J. Agardh) P.J.L. Dangeard ex Bliding**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Enteromorpha micrococca Kützing

Terceira: Schmidt (1929a); Neto (1994).

***Blidingia minima* (Nägeli ex Kützing) Kylin**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1992, 1994); Wallenstein *et al.* (2010, 2013a); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e).

Pico: Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020b). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998).

Family Ulvaceae J.V. Lamouroux ex Dumortier 1822

***Ulva clathrata* (Roth) C. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e); Wallenstein *et al.* (2009b). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Enteromorpha muscoides (Clemente) Cremades

São Miguel: Neto (2000a). **Flores:** Tittley *et al.* (1998).

Enteromorpha ramulosa (Smith) Carmichael

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Gain (1914); Schmidt (1931); Fralick & Hehre (1990); Neto (1992, 1994). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994). **Graciosa:** Gain (1914); Neto (1989, 1994); Fralick & Hehre (1990). **Pico:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Flores:** Gain (1914); Fralick & Hehre (1990); Neto & Baldwin (1990); Neto (1994). **Corvo:**

Trelease (1987); Fralick & Hehre (1990); Neto (1994).

Ulva muscoides Clemente

São Miguel: Prestes *et al.* (2017).

Ulva ramulosa Smith

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Ulva compressa* Linnaeus**

Native

Azores: Seubert (1844); Drouët (1866); Sampaio (1904); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Patarra *et al.* (2017); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). Santa Maria: Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Patarra *et al.* (2011, 2019); Barreto *et al.* (2012); Paiva *et al.* (2012, 2017); Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

Enteromorpha compressa (Linnaeus) Nees

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994). **São Miguel:** Picconne (1889); Gain (1914); Castro & Viegas (1987); Neto (1992, 1994). **Graciosa:** Neto (1989, 1994). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994).

***Ulva intestinalis* Linnaeus**

Native

Azores: Seubert (1844); Drouët (1866); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b, 2010, 2013a); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Paulino *et al.* (2017); Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Enteromorpha intestinalis (Linnaeus) Nees

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Trelease (1987); Schmidt (1931); Fralick & Hehre (1990); Neto *et al.* (1991); Neto (1994). **São Miguel:** Schmidt (1931); Bullock *et al.* (1990); Fralick & Hehre (1990); Neto (1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2010). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Fralick & Hehre (1990); Neto (1994). **São Jorge:** Fralick & Hehre (1990); Neto (1994). **Pico:** Fralick & Hehre (1990); Neto (1994). **Faial:** Schmidt (1931); Fralick & Hehre (1990); Tittley & Neto (1994); Neto (1994). **Flores:** Fralick & Hehre (1990); Neto & Baldwin (1990); Neto (1994); Tittley *et al.* (1998); Martins *et al.* (2014a). **Corvo:** Neto & Baldwin (1990); Neto (1994).

***Ulva fenestrata* Postels & Ruprecht**

Uncertain

Ulva lactuca Linnaeus

Azores: Seubert (1844); Drouët (1866); Trelease (1987); Palminha (1957); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Updated checklist of the marine macroalgae of the Azores archipelago

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Gain (1914); Castro & Viegas (1987); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994); Micael *et al.* (2014). **São Jorge:** Pryor (1967); Neto (1994). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Paulino *et al.* (2017); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998).

Ulva lactuca f. *genuina* Hauck

São Miguel: Schmidt (1929a, 1931); Neto (1994). **Terceira:** Schmidt (1929a, 1931); Neto (1994). **Faial:** Schmidt (1929a, 1931); Neto (1994).

Ulva lactuca f. *lapathifolia* (Kützinger) Hauck

Terceira: Schmidt (1931); Neto (1994).

Ulva lactuca f. *latissima* Schiffner

São Miguel: Schmidt (1929a, 1931); Neto (1994).

Ulva lactuca f. *pulvinata* Schmidt

São Miguel: Schmidt (1929a, 1931); Neto (1994). **Terceira:** Schmidt (1929a, 1931); Neto (1994). **Faial:** Schmidt (1929a, 1931); Neto (1994).

Ulva lactuca f. *rigida* De Toni

Terceira: Schmidt (1929a, 1931); Neto (1994). **Flores:** Gain (1914); Neto (1994).

***Ulva linza* Linnaeus**

Native

Azores: Seubert (1844); Drouët (1866); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Enteromorpha linza (Linnaeus) J. Agardh

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Schmidt (1931); Fralick & Hehre (1990); Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1992, 1994). **Terceira:** Fralick & Hehre (1990); Neto (1994). **Pico:** Fralick & Hehre (1990); Neto (1994). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994).

***Ulva polyclada* Kraft**

Native

São Miguel: Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Pico:** Neto *et al.* (2020b).

Ulva multiramosa Taskin

Santa Maria: Martins *et al.* (2014a). **São Miguel:** Martins *et al.* (2014a); Prestes *et al.* (2017); Patarra *et al.* (2019). **Terceira:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a).

***Ulva prolifera* O.F. Müller**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010, 2013a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Enteromorpha prolifera (O.F. Müller) C. Agardh

Azores: South & Tittley (1986); Neto (1994). **Terceira:** Martins *et al.* (2014a).

Graciosa: Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Martins *et al.* (2014a).

Enteromorpha prolifera f. prolifera C. Agardh

Azores: Seubert (1844); Neto (1994).

***Ulva pseudorotundata* Cormaci, G. Furnari & Alongi**

Native

Azores: Freitas *et al.* (2019).

Ulva rotundata Bliding

São Miguel: Vaz-Pinto *et al.* (2014).

***Ulva ralfsii* (Harvey) Le Jolis**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto (2000b); Wallenstein *et al.* (2010); Neto *et al.* (2021a).

***Ulva rigida* C. Agardh**

Native

Azores: Seubert (1844); Drouët (1866); Ardré *et al.* (1974); Neto (1994); Martins *et al.* (2008); Parente (2010); Wallenstein *et al.* (2013b); Paiva *et al.* (2014a); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Agardh (1870); Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010). **São Miguel:** Castro & Viegas (1987); Bullock *et al.* (1990); Neto (1992, 1994, 2000a, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010, 2013a); Martins *et al.* (2010, 2014a, 2018); Paiva *et al.* (2012, 2017); Silva *et al.* (2013); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Patarra *et al.* (2019); Cacabelos *et al.* (2020); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Martins *et al.* (2014a); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico:** Fralick & Hehre (1990); Tittley & Neto (1994); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Trelease (1987); Fralick & Hehre (1990); Tittley & Neto (1994); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020d). **Flores:** Trelease (1987); Fralick & Hehre (1990); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994).

Ulva rigida var. rigida J. Agardh

São Miguel: Picconne (1889); Neto (1994). **Faial:** Picconne (1889); Neto (1994).

***Ulva torta* (Mertens) Trevisan**

Native

Enteromorpha torta (Mertens) Reinbold

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1992, 1994).

Family Ulvellaceae Schmidle 1899

***Ulvella lens* P. Crouan & H. Crouan**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Schmidt (1929a); Fralick & Hehre (1990); Neto (1994).

***Ulvella scutata* (Reinke) R. Nielsen, C.J. O’Kelly & B. Wysor**

Native

Azores: Freitas *et al.* (2019).

Pringsheimiella scutata (Reinke) Marchewianka

Azores: Parente (2010). **Faial:** Neto (1994); Tittley & Neto (1994).

***Ulvella viridis* (Reinke) R. Nielsen, C.J. O’Kelly & B. Wysor**

Native

Azores: Freitas *et al.* (2019).

Acrochaete viridis (Reinke) R. Nielsen

Azores: South & Tittley (1986); Neto (1994); Parente (2010).

Entocladia viridis Reinke

São Miguel: Fralick & Hehre (1990); Neto (1994).

Entoderma viridis (Reinke) Wille

São Miguel: Schmidt (1929a); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Order Bryopsidales J.H. Schaffner 1922

Family Codiaceae Kützing 1843

***Codium adhaerens* C. Agardh**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Pereira (2015); Sangil *et al.* (2018); Freitas *et al.* (2019). **Banco D. João de Castro:** Cardigos *et al.* (2005). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Trelease (1987); Fralick & Hehre (1990); Neto *et al.* (1991); Neto (1994); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010); Martins *et al.* (2014a); Neto *et al.* (2021b). **São Miguel:** Bullock *et al.* (1990); Hawkins *et al.* (1990); Neto (1992, 1994, 2000a, 2001); Wallenstein *et al.* (2009b, 2010, 2013a); Paiva *et al.* (2012); Bertocci *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Fralick & Hehre (1990); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Fralick & Hehre (1990); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Pryor (1967); Fralick & Hehre (1990); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico:** Palminha (1957); Fralick *et al.* (1985); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Fralick *et al.* (1985); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020d). **Flores:** Gain (1914); Fralick & Hehre (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994).

***Codium decorticatum* (Woodward) M. Howe**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (2001); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1929a); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

***Codium effusum* (Rafinesque) Delle Chiaje**

Uncertain

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **Pico:** Tittley & Neto

(1994); León-Cisneros *et al.* (2012); Micael *et al.* (2014); Neto *et al.* (2020b).

***Codium elisabethiae* O.C. Schmidt**

Macaronesian endemism

Azores: South & Tittley (1986); Neto (1994); Morton & Britton (2000); Parente (2010); Patarra *et al.* (2013); Parente *et al.* (2018); Freitas *et al.* (2019). **Banco D. João de Castro:** Santos *et al.* (2001); Cardigos *et al.* (2005). **São Miguel:** Neto (2000b, 2001); Wallenstein *et al.* (2008b); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994).

***Codium fragile* subsp. *atlanticum* (A.D. Cotton) P.C. Silva**

Native

Azores: Cardigos *et al.* (2006); Parente (2010); Neto *et al.* (2014); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

***Codium fragile* subsp. *fragile* (Suringar) Hariot**

Introduced

Azores: Gain (1914); Gollasch (2007); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Santa Maria:** Torres *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Tittley & Neto (2005); Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Micael *et al.* (2014); Neto *et al.* (2021c).

Codium fragile subsp. *tomentosoides* (Van Goor) P.C. Silva

São Miguel: Tittley & Neto (2005); Wallenstein & Neto (2006). **Corvo:** Tittley & Neto (2005).

***Codium taylorii* P.C. Silva**

Native

Azores: Parente (2010); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2009). **Graciosa:** Neto *et al.* (2020a). **Pico:** Tittley *et al.* (2009); Neto *et al.* (2020b).

***Codium tomentosum* Stackhouse**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Pereira (2015); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Larkum (1960); Fralick & Hehre (1990); Neto (1994). **Graciosa:** Neto (1989, 1994). **Pico:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Faial:** Fralick & Hehre (1990); Neto (1994). **Flores:** Tittley *et al.* (1998).

***Codium vermilara* (Olivì) Delle Chiaje**

Native

Azores: Morton & Britton (2000); Neto *et al.* (2014); Sangil *et al.* (2018). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Family Bryopsidaceae Bory 1829

***Bryopsis corymbosa* J. Agardh**

Native

Azores: Freitas *et al.* (2019).

***Bryopsis cupressina* J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2009b, 2010, 2013a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Bryopsis penicillata Suhr

Azores: Seubert (1844); Drouët (1866); Trelease (1987); Sampaio (1904); South & Tittley (1986); Neto (1994); Parente (2010). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994); Martins *et al.* (2018).

***Bryopsis duplex* De Notaris**

Native

São Miguel: Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

***Bryopsis hypnoides* J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Neto (2000a, 2000b, 2001); Wallenstein *et al.* (2009b); Prestes *et al.* (2017); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Bryopsis pennata* J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Flores:** Tittley *et al.* (2001); Neto *et al.* (2021c).

***Bryopsis plumosa* (Hudson) C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Gain (1914); Schmidt (1931); Fralick & Hehre (1990); Neto (1992, 1994); Wallenstein *et al.* (2009b, 2010, 2013a); Vaz-Pinto *et al.* (2014); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2021c).

Family Derbesiaceae Hauck 1884

***Derbesia marina* (Lyngbye) Solier**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

***Derbesia tenuissima* (Moris & De Notaris) P. Crouan & H. Crouan**

Uncertain

Azores: Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a).

***Pedobesia simplex* (Meneghini ex Kützing) M.J. Wynne & F. Leliaert**

Native

Azores: Parente (2010); Freitas *et al.* (2019).

Pedobesia lamourouxii (J. Agardh) J. Feldmann, Loreau, Codomier & Couté

Azores: Neto (1994). **Flores:** Tittley *et al.* (1998).

Derbesia lamourouxii (J. Agardh) Solier

Pico: Fralick & Hehre (1990); Neto (1994).

Family Caulerpaceae Kützing 1843

***Caulerpa prolifera* (Forsskål) J.V. Lamouroux**

Introduced

São Miguel: Cacabelos *et al.* (2019); Neto *et al.* (2021a).

***Caulerpa webbiana* Montagne**

Introduced

Azores: Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Faial:** Amat *et al.* (2008); Tittley *et al.* (2009); Micael *et al.* (2014); Abecasis *et al.* (2015); Cardigos *et al.* (2015); Neto *et al.* (2020d).

Family Halimedaceae Link 1832

***Halimeda incrassata* (J. Ellis) J.V. Lamouroux 1816**

Introduced

Santa Maria: Costa *et al.* (2017).

***Halimeda tuna* (J. Ellis & Solander) J.V. Lamouroux**

Native

Azores: Pereira (2015); Freitas *et al.* (2019). **Flores:** Fralick & Hehre (1990); Neto (1994).

Family Udoteaceae J. Agardh 1887

***Pseudochlorodesmis furcellata* (Zanardini) Børgesen**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Faial:** Fralick & Hehre (1990); Neto (1994).

Derbesia furcellata (Zanardini) Ardissonne

Azores: South & Tittley (1986); Neto (1994). **Faial:** Schmidt (1929a); Neto (1994); Tittley & Neto (1994).

Order Cladophorales Haeckel 1894

Family Anadyomenaceae Kützing 1843

***Anadyomene saldanhae* A.B. Joly & E.C. Oliveira**

Native

Azores: Sangil *et al.* (2018). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Anadyomene stellata* (Wulfen) C. Agardh**

Uncertain

Azores: Parente (2010); Pereira (2015); Freitas *et al.* (2019). **São Miguel:** Neto (2001); Neto *et al.* (2021a). **Pico:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998);

Neto *et al.* (2021c).

***Microdictyon boergesenii* Setchell**

Native

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

***Microdictyon umbilicatum* (Velley) Zanardini**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Microdictyon calodictyon (Montagne) Kützing

Azores: Parente (2010). **Terceira:** Fralick & Hehre (1990); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998).

Family Boodleaceae Børgesen 1925

***Cladophoropsis macromeres* W.R. Taylor**

Native

Azores: Freitas *et al.* (2019). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b).

***Cladophoropsis membranacea* (Hofman Bang ex C. Agardh) Børgesen**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Freitas *et al.* (2019); Gaspar *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Micael *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Micael *et al.* (2014). **São Jorge:** Micael *et al.* (2014). **Pico:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Cladophora membranacea (Hofman Bang ex C. Agardh)

Santa Maria: Martins *et al.* (2014a). **São Miguel:** Prestes *et al.* (2017).

***Phylodictyon anastomosans* (Harvey) Kraft & M.J. Wynne**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Tittley & Neto (2005); Neto *et al.* (2020c). **Graciosa:** Neto *et al.* (2020a).

Struvea anastomosans (Harvey) Piccone & Grunow ex Piccone

Azores: André *et al.* (1973); South & Tittley (1986); Neto (1994).

Family Cladophoraceae Wille in Warming

***Chaetomorpha aerea* (Dillwyn) Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Fralick & Hehre (1990); Neto (1992, 1994); Wallenstein & Neto (2006); Wallenstein *et al.* (2010, 2013a); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Baldwin (1990);

Neto (1994); Neto *et al.* (2021c). **Corvo**: Neto & Baldwin (1990); Neto (1994).

Chaetomorpha aerea f. fibrosa Kützing

São Miguel: Gain (1914); Neto (1994).

Chaetomorpha aerea f. crassa Kützing

São Miguel: Gain (1914); Neto (1994).

Chaetomorpha crassa (C. Agardh) Kützing

Azores: South & Tittley (1986); Neto (1994). **Santa Maria**: Neto *et al.* (1991); Neto (1994); Morton & Britton (2000). **São Miguel**: Schmidt (1931); Neto (1994). **Terceira**: Schmidt (1931); Fralick & Hehre (1990); Neto (1994).

***Chaetomorpha antennina* (Bory) Kützing**

Native

São Miguel: Prestes *et al.* (2017).

***Chaetomorpha fibrosa* (Kützing) Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **São Miguel**: Picconne (1889); Neto (1994).

***Chaetomorpha ligustica* (Kützing) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Pico**: Neto *et al.* (2020b).

Chaetomorpha mediterranea (Kützing) Kützing

Azores: Neto (1994); Tittley & Neto (1994). **Terceira**: Neto *et al.* (2020e). **Graciosa**: Neto *et al.* (2020a). **Flores**: Martins *et al.* (2014a).

Chaetomorpha capillaris (Kützing) Børgesen

Faial: Neto (1994); Tittley & Neto (1994).

***Chaetomorpha linum* (O.F. Müller) Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas**: Neto *et al.* (2020c). **Santa Maria**: Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a). **São Miguel**: Schmidt (1931); Fralick & Hehre (1990); Neto (1994, 2000a); Wallenstein *et al.* (2009b); Martins *et al.* (2014a, 2018); Paiva *et al.* (2012); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira**: Schmidt (1931); Fralick & Hehre (1990); Neto (1994, 2000a); Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa**: Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge**: Martins *et al.* (2014a); Neto *et al.* (2020f). **Pico**: Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial**: Neto (1994); Tittley & Neto (1994). **Flores**: Gain (1914); Fralick & Hehre (1990); Neto (1994); Martins *et al.* (2014a). **Corvo**: Fralick & Hehre (1990); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2021c).

Conferva linum O.F. Müller

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Chaetomorpha pachynema* (Montagne) Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Patarra *et al.* (2013); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria**: Cho *et al.* (2005); Neto *et al.* (2021b). **São Miguel**: Neto (1992, 1994); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Paiva *et al.* (2012); Prestes *et al.* (2017); Neto *et*

al. (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1929a); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998).

***Cladophora albida* (Nees) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Fralick & Hehre (1990); Neto (1992, 1994); Wallenstein *et al.* (2009b, 2013a); Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994).

***Cladophora coelothrix* Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Fralick & Hehre (1990); Neto *et al.* (1991); Neto (1994, 2000a); Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Neto (1992, 1994); Wallenstein *et al.* (2009b, 2010); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Conferva repens J. Agardh

Santa Maria: Agardh (1870); Neto (1994).

***Cladophora conferta* P. Crouan & H. Crouan**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Wallenstein *et al.* (2013a); Martins *et al.* (2014a); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Flores:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Cladophora dalmatica* Kützing**

Uncertain

Azores: Freitas *et al.* (2019). **São Miguel:** Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **São Jorge:** Martins *et al.* (2014a). **Pico:** Micael *et al.* (2014). **Faial:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Cladophora hutchinsiae* (Dillwyn) Kützing**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010); Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

***Cladophora laetevirens* (Dillwyn) Kützing**

Uncertain

Azores: Neto (1994); Tittley & Neto (1994); Morton & Britton (2000); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Fralick & Hehre (1990); Neto *et al.* (1991, 2021b); Neto (1994); Martins *et al.* (2014a). **São Miguel:** Neto (2001); Wallenstein *et al.* (2010, 2013a); Martins *et al.* (2014a); Micael *et al.* (2014); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Fralick & Hehre (1990); Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Martins *et al.* (2014a); Micael *et al.* (2014); Neto *et al.* (2021c). **Corvo:** Martins *et al.* (2014a); Neto *et al.* (2021c).

***Cladophora lehmanniana* (Lindenberg) Kützing**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2010); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Cladophora liebetruthii* Grunow**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Cladophora michalensis* O.C. Schmidt**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Schmidt (1929a); Neto (1994).

***Cladophora prolifera* (Roth) Kützing**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Banco D. João de Castro:** Ávila *et al.* (2004). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b, 2010). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1992, 1994, 2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2010); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Trelease (1987); Schmidt (1931); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Gain (1914); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Trelease (1987); Fralick & Hehre (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Cladophora catenata (Agardh) Ardissonne

Azores: South & Tittley (1986); Neto (1994). **São Miguel:** Gain (1914); Neto (1994). **Terceira:** Schmidt (1931); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Conferva catenata (Linnaeus) Roth

Azores: Seubert (1844); Drouët (1866); Neto (1994).

Conferva prolifera Roth

Azores: Seubert (1844); Drouët (1866); Neto (1994).

Updated checklist of the marine macroalgae of the Azores archipelago

Conferva prolifera var. *fastigiata* Roth

Santa Maria: Agardh (1870); Neto (1994).

***Cladophora sericea* (Hudson) Kützing**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Martins *et al.* (2014a). **São Miguel:** Prestes *et al.* (2017).

***Cladophora theotonii* O.C. Schmidt**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Schmidt (1929a); Neto (1994). **Terceira:** Schmidt (1929a); Neto (1994).

***Cladophora weizenbaurii* O.C. Schmidt**

Azorean endemism

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **Terceira:** Larkum (1960); Neto (1994). **Faial:** Schmidt (1929a); Neto (1994).

***Lychaete pellucida* (Hudson) M.J. Wynne**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Cladophora pellucida (Hudson) Kützing

Azores: Parente (2010). **Santa Maria:** Tittley *et al.* (2009); Wallenstein *et al.* (2010). **São Miguel:** Tittley *et al.* (2009); Wallenstein *et al.* (2010); Vaz-Pinto *et al.* (2014). **Graciosa:** Tittley *et al.* (2009); Martins *et al.* (2014a).

***Pseudorhizoclonium africanum* (Kützing) Boedeker**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Rhizoclonium africanum Kützing

Azores: South & Tittley (1986); Neto (1994); Parente (2010). **São Miguel:** Neto (1992, 1994).

Rhizoclonium hookeri Kützing

São Miguel: Schmidt (1929a); Fralick & Hehre (1990); Neto (1994). **Faial:** Schmidt (1929a); Fralick & Hehre (1990); Neto (1994).

***Rhizoclonium tortuosum* (Dillwyn) Kützing**

Native

Azores: Freitas *et al.* (2019). **Terceira:** Martins *et al.* (2014a).

Family Siphonocladaceae F. Schmitz 1879

***Ernodesmis verticillata* (Kützing) Borgesen**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Terceira:** Fralick & Hehre (1990); Neto (1994). **Pico:** Neto *et al.* (2020b). **Flores:** Martins *et al.* (2014a).

Family Valoniaceae Kützing 1849

***Valonia macrophysa* Kützing**

Native

Azores: Gain (1914); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Valonia utricularis* (Roth) C. Agardh**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009b, 2010). **São Miguel:** Neto (1994, 2001); Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Terceira:** Schmidt (1929a); Schmidt (1931); Larkum (1960); Fralick & Hehre (1990); Neto (1994). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Schmidt (1929a); Schmidt (1931); Fralick & Hehre (1990); Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Phylum Ochrophyta Cavalier-Smith in Cavalier-Smith & E.E. Chao 1996

Class Phaeophyceae Kjellman 1891

Subclass Dictyotophycidae Silberfeld, F. Rousseau & Reviers 2014

Order Syringodermatales E.C. Henry 1984

Family Syringodermataceae E.C. Henry 1984

***Microzonia floridana* (E.C. Henry) Camacho & Fredericq**

Native

Pico: Neto *et al.* (2020b).

Syringoderma floridana E.C. Henry

Azores: Freitas *et al.* (2019). **Pico:** León-Cisneros *et al.* (2012).

Order Sphacelariales Migula 1908

Family Lithodermataceae Hauck 1883

***Pseudolithoderma adriaticum* (Hauck) Verlaque**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a).

Terceira: Neto *et al.* (2020e). **São Jorge:** Neto *et al.* (2020f).

***Pseudolithoderma roscoffense* Loiseaux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Parente *et al.* (2000); Neto *et al.* (2021a).

Family Stypocaulaceae Oltmanns 1922

***Halopteris flicina* (Grateloup) Kützing**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019); Haroun *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Banco D. João de Castro:** Cardigos *et al.* (2005). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Botelho *et al.* (2010); Wallenstein *et al.* (2009b, 2010). **São Miguel:** Gain (1914); Schmidt (1931); Bullock *et al.* (1990); Neto (1992, 1994, 2000b, 2001); Neto & Tittley (1995); Wallenstein & Neto (2006); Wallenstein *et al.* (2008b, 2009b, 2010);

Updated checklist of the marine macroalgae of the Azores archipelago

Vaz-Pinto *et al.* (2014); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira**: Schmidt (1931); Larkum (1960); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa**: Neto (1989, 1994); Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge**: Pryor (1967); Neto (1994). **Pico**: Fralick *et al.* (1985); Neto (1994); Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial**: Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994). **Flores**: Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo**: Neto *et al.* (2021c).

Sphacelaria filicina (Grateloup) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994). **Formigas**: Agardh (1870); Neto (1994).

***Halopteris scoparia* (Linnaeus) Sauvageau**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Patarra *et al.* (2017); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas**: Neto *et al.* (2020c). **Santa Maria**: Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel**: Gain (1914); Schmidt (1931); Castro & Viegas (1987); Bullock *et al.* (1990); Neto (1992, 1994); Bertocci *et al.* (2017); Prestes *et al.* (2017); Neto *et al.* (2021a). **Terceira**: Schmidt (1931); Larkum (1960); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa**: Neto (1989, 1994); Neto *et al.* (2020a). **São Jorge**: Neto *et al.* (2020f). **Pico**: Fralick *et al.* (1985); Neto (1994); Neto *et al.* (2020b). **Faial**: Schmidt (1931); Fralick *et al.* (1985); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores**: Gain (1914); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo**: Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Ceramium scoparium (Linnaeus) De Candolle

Azores: Drouët (1866); Neto (1994). **Santa Maria**: Drouët (1866); Neto (1994).

Halopteris scoparium (Linnaeus) Kützting

Santa Maria: Martins *et al.* (2014a). **São Miguel**: Martins *et al.* (2014a). **Terceira**: Martins *et al.* (2014a). **Graciosa**: Martins *et al.* (2014a). **São Jorge**: Martins *et al.* (2014a). **Pico**: Martins *et al.* (2014a). **Faial**: Martins *et al.* (2014a). **Flores**: Martins *et al.* (2014a).

Sphacelaria scoparia (Linnaeus) Lyngbye

Azores: Seubert (1844); Drouët (1866); Neto (1994). **Santa Maria**: Agardh (1870); Neto (1994). **São Miguel**: Picconne (1889); Neto (1994). **Faial**: Picconne (1889); Neto (1994).

Sphacelaria scoparia var. *pennata* Agardh

Azores: Seubert (1844); Neto (1994).

Stypocaulon scoparium (Linnaeus) Kützting

Azores: Martins *et al.* (2009); Parente (2010); Wallenstein *et al.* (2013b). **Santa Maria**: Wallenstein *et al.* (2009b, 2010); Botelho *et al.* (2010). **São Miguel**: Neto (2000a, 2000b, 2001); Wallenstein & Neto (2006); Wallenstein *et al.* (2008a, 2009b, 2010, 2013a); Martins *et al.* (2018). **Graciosa**: Wallenstein *et al.* (2009b). **Pico**: Martins *et al.* (2009). **Faial**: Trelease (1987); Neto (1994). **Corvo**: Trelease (1987); Neto (1994).

Family Cladostephaceae Oltmanns 1922

***Cladostephus spongiosus* (Hudson) C. Agardh**

Native

Azores: Seubert (1844); Drouët (1866); South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Banco D. João de Castro:** Santos *et al.* (2001); Cardigos *et al.* (2005); Colaço *et al.* (2006). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Botelho *et al.* (2010); Wallenstein *et al.* (2010). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994); Wallenstein & Neto (2006); Botelho *et al.* (2010); Wallenstein *et al.* (2013a); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Cladostephus verticillatus (Lightfoot) C. Agardh

Santa Maria: Agardh (1870); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Gain (1914); Neto (1994); Wallenstein *et al.* (2009b). **Terceira:** Schmidt (1931); Neto (1994). **Faial:** Picconne (1889); Schmidt (1931); Neto (1994). **Flores:** Gain (1914); Neto & Baldwin (1990); Neto (1994).

Family Sphacelariaceae Decaisne 1842

***Sphacelaria cirrosa* (Roth) C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994); Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b, 2010); Martins *et al.* (2014a); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Flores:** Neto *et al.* (2021c).

Sphacelaria hystrix Suhr ex Reinke

São Miguel: Schmidt (1929a); Neto (1994). **Terceira:** Schmidt (1929a); Neto (1994).

Sphacelaria pennata Lyngbye

Azores: Seubert (1844); Neto (1994); Martins *et al.* (2014a).

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

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Micael *et al.* (2014). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014).

***Sphacelaria plumula* Zanardini**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Sphacelaria rigidula* Kützting**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010, 2013a); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994).

***Sphacelaria tribuloides* Meneghini**

Uncertain

Azores: Prud'homme van Reine (1982); South & Tittley (1986); Neto (1994); Parente

Updated checklist of the marine macroalgae of the Azores archipelago

(2010); Freitas *et al.* (2019). **Santa Maria:** Trelease (1987); Gain (1914); Schmidt (1931); Neto (1994). **São Miguel:** Wallenstein *et al.* (2010); Micael *et al.* (2014); Neto *et al.* (2021a). **Pico:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014).

***Sphacelorbis nanus* (Nägeli ex Kützing) Draisma, Prud'homme & H. Kawai**

Native

Azores: Freitas *et al.* (2019).

Sphacelaria nana Nägeli ex Kützing

Azores: Parente (2010). **Pico:** Neto (1994); Tittley & Neto (1994).

Order Dictyotales Bory 1828

Family Dictyotaceae J.V. Lamouroux ex Dumortier 1822

***Canistrocarpus cervicornis* (Kützing) De Paula & De Clerck**

Native

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

Dictyota cervicornis Kützing

Azores: Neto (1994).

***Dictyopteris polypodioides* (A.P. De Candolle) J.V. Lamouroux**

Native

Azores: Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Dictyopteris membranacea Batters

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Haliseris polypodioides (A.P. de Candolle) C. Agardh

Formigas: Picconne (1889); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994).

***Dictyota adnata* Zanardini**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

***Dictyota bartayresiana* J.V. Lamouroux**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2008b); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

Dictyota bartayresii J.V. Lamouroux

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (1992, 1994). **Flores:** Neto & Azevedo (1990); Neto (1994).

***Dictyota ciliolata* Sonder ex Kützing**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto *et al.* (2021a).

Dictyota ciliata J. Agardh

Azores: South & Tittley (1986); Neto (1994).

***Dictyota cyanoloma* Tronholm, De Clerck, A. Gómez-Garreta & Rull Lluch**

Introduced

Azores: Tronholm *et al.* (2010); Neto *et al.* (2014); Freitas *et al.* (2019). **São Miguel:** Tronholm *et al.* (2010); Neto *et al.* (2021a). **Pico:** Tronholm *et al.* (2010); Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Dictyota dichotoma* (Hudson) J.V. Lamouroux**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Tronholm *et al.* (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Schmidt (1931); Neto (1994, 2000a, 2000b, 2001); Neto & Tittley (1995); Wallenstein & Neto (2006); Wallenstein *et al.* (2008b, 2010); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Dictyota dichotoma f. attenuata (Kützing) Vinassa

Terceira: Schmidt (1931); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Dictyota dichotoma f. intricata (C. Agardh) Schmidt

São Miguel: Schmidt (1931); Neto (1994).

Dictyota cf. volubilis Kützing

Santa Maria: Neto *et al.* (1991); Neto (1994). **São Miguel:** Wallenstein *et al.* (2008b).

Zonaria dichotoma (Hudson) C. Agardh

Azores: Seubert (1844); Trelease (1987); Sampaio (1904); Neto (1994).

***Dictyota dichotoma var. intricata* (C. Agardh) Greville**

Native

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Zonaria dichotoma var. intricata C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Dictyota fasciola* (Roth) J.V. Lamouroux**

Native

Azores: Neto (1994); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

Dilophus fasciola (Roth) M. Howe

Azores: Neto (1994).

***Dictyota implexa* (Desfontaines) J.V. Lamouroux**

Native

Azores: Parente (2010); Tronholm *et al.* (2010). **Santa Maria:** Agardh (1870); Neto (1994); Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b).

***Dictyota liturata* J. Agardh**

Native

Azores: Neto (1994); Parente (2010); Freitas *et al.* (2019).

***Dictyota menstrualis* (Hoyt) Schnetter, Hörning & Weber-Peukert**

Native

Azores: Neto (1994); Parente (2010); Freitas *et al.* (2019).

***Lobophora delicata* Camacho & Fredericq**

Native

São Miguel: Vieira *et al.* (2020).

***Padina pavonica* (Linnaeus) Thivy**

Native

Azores: Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Wallenstein *et al.* (2013b); Patarra *et al.* (2017); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Banco D. João de Castro:** Santos *et al.* (2001); Cardigos *et al.* (2005). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Agardh (1870); Trelease (1987); Neto *et al.* (1991, 2021b); Neto (1994); Botelho *et al.* (2010); Wallenstein *et al.* (2010). **São Miguel:** Gain (1914); Schmidt (1931); Bullock *et al.* (1990); Neto (1992, 1994, 2000b, 2001); Wallenstein & Neto (2006); Paiva *et al.* (2012); Martins *et al.* (2014a, 2016, 2018); Bertocci *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Schmidt (1931); Larkum (1960); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Neto *et al.* (2020a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Gain (1914); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Trelease (1987); Neto (1994); Neto *et al.* (2021c).

Zonaria pavonia C. Agardh

Azores: Drouët (1866); Neto (1994). **Santa Maria:** Sampaio (1904); Neto (1994). **Corvo:** Sampaio (1904); Neto (1994).

***Stypopodium zonale* (J.V. Lamouroux) Papenfuss**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Neto & Tittley (1995); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

***Taonia atomaria* (Woodward) J. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Agardh (1870); Neto (1994); Neto *et al.* (2021b). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994, 2001); Neto & Tittley (1995); Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

***Zonaria tournefortii* (J.V. Lamouroux) Montagne**

Native

Azores: Ardré *et al.* (1973); Ardré *et al.* (1974); South & Tittley (1986); Neto (1994); Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Canal Pico-Faial:** Tittley & Neto (1994). **Banco D. João de Castro:** Santos *et al.* (2001); Cardigos *et al.* (2005); Colaço *et al.* (2006). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2008a); Botelho

et al. (2010). **São Miguel:** Neto (1992, 1994, 2000b, 2001); Neto & Tittley (1995); Wallenstein *et al.* (2008b, 2010); Martins *et al.* (2013a); Neto *et al.* (2021a). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994); Neto *et al.* (2020e). **Graciosa:** Álvaro *et al.* (2008); Neto *et al.* (2020a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Zonaria flava C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994). **Formigas:** Picconne (1889); Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994). **São Miguel:** Picconne (1889); Neto (1994). **Graciosa:** Trelease (1987); Neto (1994). **Pico:** Picconne (1889); Neto (1994). **Faial:** Picconne (1889); Neto (1994). **Flores:** Gain (1914); Neto (1994).

Order Scytothamnales A.F. Peters & M.N. Clayton 1998

Family Bachelotiaceae T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviere in Silberfeld & al. 2011

***Bachelotia antillarum* (Grunow) Gerloff**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a). **Graciosa:** Wallenstein *et al.* (2009b); Martins *et al.* (2014a); Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a); Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a). **Flores:** Tittley *et al.* (1998); Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

Order Sporochnales Sauvageau 1926

Family Sporochnaceae Greville 1830

***Carpomitra costata* (Stackhouse) Batters**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Banco D. João de Castro:** Cardigos *et al.* (2005). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (2001); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Carpomitra cabreræ (Clemente) Kützing

Formigas: Picconne (1889); Neto (1994). **Terceira:** Larkum (1960); Neto (1994).

***Sporochnus pedunculatus* (Hudson) C. Agardh**

Native

Azores: Parente (2010); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto (1992, 1994); Neto *et al.* (2021a).

Order Tilopteridales Bessey 1907

Family Cutleriaceae J.W. Griffith & A. Henfrey

***Cutleria multifida* (Turner) Greville**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Santa Maria: Neto *et al.* (2021b). **São Miguel:** Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014). **Graciosa:** Neto *et al.* (2020a). **Pico:** Schmidt (1931); Larkum (1960); Neto (1994); Neto *et al.* (2020b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014). **Flores:** Neto & Baldwin (1990); Neto (1994); Tittley *et al.* (1998); Micael *et al.* (2014); Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Aglaozonia parvula (Greville) Zanardini

Azores: Sangil *et al.* (2018). **Santa Maria:** Agardh (1870); Neto (1994); Wallenstein *et al.* (2009b). **São Miguel:** Wallenstein *et al.* (2009b); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c).

***Zanardinia typus* (Nardo) P.C. Silva**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Flores:** Neto *et al.* (2021c).

Zanardinia collaris (Montagne) P. Crouan & H. Crouan

São Miguel: Schmidt (1929a); Neto (1994).

Zanardinia prototypus Zanardini

Azores: South & Tittley (1986); Neto (1994).

Order Ralfsiales Nakamura ex P.-E. Lim & H. Kawai in Lim *et al.* 2007

Family Pseudoralfsiaceae Parente, Fletcher & G.W. Saunders in Parente & al. 2020

***Pseudoralfsia azorica* Parente, Fletcher & G.W. Saunders**

Native

São Miguel: Parente *et al.* (2021).

***Pseudoralfsia verrucosa* (Areschoug) Parente, Fletcher & G.W. Saunders**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Bertocci *et al.* (2017); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Family Hapalospongiaceae Reyes Gómez & León-Alvarez in León-Alvarez & al. 2017

***Hapalospongidion macrocarpum* (J. Feldmann) León-Álvarez & González-González**

Native

São Miguel: Neto *et al.* (2021a).

Order Nemodermatales M. Parente, R.L. Fletcher, F. Rousseau & N. Phillips in Phillips & al. 2008

Family Nemodermataceae Kuckuck ex Feldmann 1937

***Nemoderma tingitanum* Schousboe ex Bornet**

Native

Azores: Parente (2010); Wallenstein *et al.* (2013b); Freitas *et al.* (2019). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Parente *et al.* (2000); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b); Bertocci *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Martins *et al.* (2014a).

Order Fucales Bory 1827

Family Fucaceae Adanson 1763

***Ascophyllum nodosum* (Linnaeus) Le Jolis**

Native

Azores: Morton & Britton (2000); Freitas *et al.* (2019). **Santa Maria:** Trelease (1987); Neto (1994). **São Miguel:** Trelease (1987); Gain (1914); Schmidt (1929a); Neto (1994); Tittley *et al.* (2009); Neto *et al.* (2021a). **Terceira:** Trelease (1987); Schmidt (1929a); Larkum (1960); Neto (1994). **Graciosa:** Neto (1989, 1994); Tittley *et al.* (2009); Neto *et al.* (2020a). **Pico:** Trelease (1987); Neto (1994); Tittley *et al.* (2009); Neto *et al.* (2020b). **Faial:** Trelease (1987); Neto (1994); Tittley & Neto (1994); Tittley *et al.* (2009); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998, 2009); Neto *et al.* (2021c).

Fucus nodosus C. Agardh

Azores: Drouët (1866); Trelease (1987); Sampaio (1904); Larkum (1960); Neto (1994).

***Fucus guiryi* Zardi, Nicastro, E.S. Serrão & G.A. Pearson**

Native

São Miguel: Martins *et al.* (2019b).*Fucus spiralis* var. *platycarpus* Batters

São Miguel: Schmidt (1931); Neto (1994, 2000b). **Terceira:** Schmidt (1931); Neto (1994). **Pico:** Palminha (1957); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

***Fucus spiralis* Linnaeus**

Uncertain

Azores: Ardré *et al.* (1973); South & Tittley (1986); Neto (1994); Morton & Britton (2000); Martins *et al.* (2008); Parente (2010); Wallenstein *et al.* (2010, 2013b); Coyer *et al.* (2011); León-Cisneros *et al.* (2011b); Moalic *et al.* (2011); Patarra *et al.* (2013, 2014); Paiva *et al.* (2014a, 2014b); Freitas *et al.* (2019); Haroun *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994); Wallenstein *et al.* (2009b); Botelho *et al.* (2010); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Castro & Viegas (1987); Bullock *et al.* (1990); Hawkins *et al.* (1990); Neto (1992, 1994, 2000a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009a, 2009b, 2010); Martins *et al.* (2010); Coyer *et al.* (2011); Patarra *et al.* (2011); Barreto *et al.* (2012); Paiva *et al.* (2012, 2014b); Micael *et al.* (2014); Cacabelos *et al.* (2016); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Larkum (1960); Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b); Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d).

Fucus platycarpus var. *spiralis* (Linnaeus) Rosenvinge**São Miguel:** Gain (1914); Neto (1994). **Flores:** Gain (1914); Neto (1994).*Fucus vesiculosus* var. *spiralis* (Linnaeus) C. Agardh**Azores:** Seubert (1844); Drouët (1866); Neto (1994).

Family Sargassaceae Kützing 1843

***Cystoseira compressa* (Esper) Gerloff & Nizamuddin**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Bullock *et al.* (1990); Neto (1994); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Cystoseira fimbriata Bory

Azores: André *et al.* (1974); Neto (1994).

***Cystoseira foeniculacea* (Linnaeus) Greville**

Native

Azores: Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994, 2001); Botelho *et al.* (2010). **São Miguel:** Neto (1994); Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Cystoseira abrotanifolia (Linnaeus) C. Agardh

Azores: Seubert (1844); Drouët (1866); Neto (1994). **São Miguel:** Trelease (1987); Sampaio (1904); Gain (1914); Schmidt (1931); Neto (1994). **Terceira:** Schmidt (1931); Larkum (1960); Neto (1994).

***Cystoseira humilis* Schousboe ex Kützing**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994); Wallenstein *et al.* (2009a, 2010). **São Miguel:** Wallenstein *et al.* (2009a, 2010); Paiva *et al.* (2012); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

***Cystoseira tamariscifolia* (Hudson) Papenfuss**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Bullock *et al.* (1990); Neto (1994); Wallenstein *et al.* (2009b). **Graciosa:** Neto (1989, 1994); Wallenstein *et al.* (2009b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Gongolaria abies-marina* (S.G. Gmelin) Kuntze**

Native

São Miguel: Neto *et al.* (2021a).

Cystoseira abies-marina (S.G. Gmelin) C. Agardh

Azores: Seubert (1844); Drouët (1866); André *et al.* (1973); South & Tittley (1986); Neto (1994); Parente (2010); Gouveia *et al.* (2013); Patarra *et al.* (2013); Barreto *et al.* (2014); Sangil *et al.* (2018); Freitas *et al.* (2019); Haroun *et al.* (2019). **Formigas:** Picconne (1889); Neto (1994). **Santa Maria:** Agardh (1870); Neto (1994, 2001); Wallenstein *et al.* (2009b, 2010). **São Miguel:** Gain (1914); Schmidt (1931); Neto (1994, 2000a, 2000b); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2009c, 2010, 2013a); Patarra *et al.* (2011); Gouveia *et al.* (2013); Martins *et al.* (2013a); Couto *et al.* (2015); Bertocci *et al.* (2017); Bruno de Sousa *et al.* (2019); Gaspar *et al.* (2019); Kellaris *et al.* (2019). **Terceira:** Trelease (1987); Sampaio (1904); Schmidt (1931); Larkum (1960); Neto (1994); Bertocci *et al.* (2017). **Graciosa:** Wallenstein *et al.* (2009b). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto (1994).

Treptacantha abies-marina (S.G. Gmelin) Kützing

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

Faial: Neto *et al.* (2020d).

***Sargassum cymosum* C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2009b, 2010, 2013a); Paiva *et al.* (2012); Neto *et al.* (2021a). **Terceira:** Neto *et al.* (2020e). **Graciosa:** Wallenstein *et al.* (2009b); Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Tittley *et al.* (1998).

***Sargassum desfontainesii* (Turner) C. Agardh**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Agardh (1870); Neto (1994); Neto *et al.* (2021b). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b).

***Sargassum furcatum* Kützting**

Native

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

***Sargassum vulgare* C. Agardh, nom. illeg.**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019); Haroun *et al.* (2019). **Banco D. João de Castro:** Cardigos *et al.* (2005); Colaço *et al.* (2006). **Santa Maria:** Wallenstein *et al.* (2009b, 2010); Neto *et al.* (2021b). **São Miguel:** Bullock *et al.* (1990); Neto (1994, 2001); Wallenstein *et al.* (2009b); Bertocci *et al.* (2017); Neto *et al.* (2021a). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Paulino *et al.* (2017). **Flores:** Neto *et al.* (2021c).

Sargassum vulgare var. *diversifolium* J. Agardh

São Miguel: Gain (1914); Neto (1994). **Flores:** Gain (1914); Neto (1994).

Sargassum vulgare var. *furcata* C. Agardh

Faial: Schmidt (1931); Neto (1994).

Sargassum vulgare var. *lanceolata* C. Agardh

São Miguel: Schmidt (1931); Neto (1994). **Terceira:** Schmidt (1931); Neto (1994). **Faial:** Schmidt (1931); Neto (1994).

Sargassum endivioefolium Bory

Santa Maria: Agardh (1870); Neto (1994).

Sargassum fissifolium Montagne

São Miguel: Trelease (1987); Neto (1994). **Terceira:** Trelease (1987); Sampaio (1904); Neto (1994). **Corvo:** Trelease (1987); Neto (1994).

***Sargassum vulgare* var. *tenuifolium* C. Agardh**

Native

Azores: Seubert (1844); Drouët (1866); Neto (1994).

***Sargassum stenophyllum* C. Martius**

Introduced

Azores: Seubert (1844); Drouët (1866); Neto (1994).

Order Laminariales Migula 1909

Family Laminariaceae Bory 1827

***Laminaria ochroleuca* Bachelot de la Pylaie**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Formigas:** Ardré *et al.* (1973); Neto (1994); Tittley *et al.* (2001); Amorim *et al.* (2015); Neto *et al.* (2020c). **Graciosa:** Neto *et al.* (2020a).

Order Asterocladales T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviere in Silberfeld & al. 2011

Family Asterocladaceae T. Silberfeld, M.-F. Racault, R.L. Fletcher, A.F. Peters, F. Rousseau & B.de Reviere in Silberfeld & al. 2011

***Asterocladon rhodoortonoides* (Børgesen) S. Uwai, C. Nagasato, T. Motomura & K. Kogame**

Native

Azores: Freitas *et al.* (2019). **Terceira:** Neto *et al.* (2020e).

Asteronema rhodoortonoides (Børgesen) D.G. Müller & E.R. Parodi

Santa Maria: Martins *et al.* (2014a). **São Miguel:** Martins *et al.* (2014a); Vaz-Pinto *et al.* (2014). **Terceira:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Flores:** Martins *et al.* (2014a).

Order Ectocarpales Bessey 1907

Family Acinetosporaceae G. Hamel ex Feldmann 1937

***Feldmannia globifera* (Kützinger) Hamel**

Native

Santa Maria: Neto *et al.* (2021b).

***Feldmannia irregularis* (Kützinger) Hamel**

Native

Azores: Parente (2010); Patarra *et al.* (2017); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2010); Patarra *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Martins *et al.* (2014a); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **São Jorge:** Martins *et al.* (2014a). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

***Feldmannia mitchelliae* (Harvey) H.-S. Kim**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a).

Hincksia mitchelliae (Harvey) P.C. Silva

São Miguel: Martins *et al.* (2018). **Graciosa:** Martins *et al.* (2014a).

Ectocarpus virescens Thuret ex Sauvageau

Azores: South & Tittley (1986); Neto (1994); Parente (2010). **Terceira:** Schmidt (1931); Neto (1994).

***Feldmannia padinae* (Buffham) Hamel**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

***Feldmannia paradoxa* (Montagne) Hamel**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2001); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

***Hincksia onslowensis* (Amsler & Kapraun) P. C. Silva**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014).

***Hincksia ovata* (Kjellman) P.C. Silva**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014); Neto *et al.* (2021a). **São Jorge:** Neto *et al.* (2020f). **Pico:** Neto *et al.* (2020b).

Hincksia intermedia (Rosenvinge) P.C. Silva

São Miguel: Martins *et al.* (2014a). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a). **Pico:** Martins *et al.* (2014a). **Faial:** Martins *et al.* (2014a). **Corvo:** Martins *et al.* (2014a).

Family Chordariaceae Greville 1830

***Cladosiphon zosterae* (J. Agardh) Kylin**

Native

Azores: Freitas *et al.* (2019).

Cladosiphon occidentalis Kylin

Terceira: Larkum (1960); Neto (1994).

***Componema saxicola* (Kuckuck) Kuckuck**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Parente *et al.* (2000); Neto *et al.* (2021a).

***Elachista flaccida* (Dillwyn) Fries**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto (1994); Tittley & Neto (1994).

***Hecatonema terminale* (Kützing) Kylin**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Wallenstein *et al.* (2013a); Parente *et al.* (2000); Neto *et al.* (2021a).

***Leathesia marina* (Lyngbye) Decaisne**

Uncertain

Azores: Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Micael *et al.* (2014). **Flores:** Neto *et al.* (2021c). **Corvo:** Neto *et al.* (2021c).

Leathesia difformis Areschoug

Azores: South & Tittley (1986); Neto (1994). **Santa Maria:** Trelease (1987); Neto *et al.* (1991); Neto (1994). **São Miguel:** Schmidt (1931); Neto (1994); Wallenstein & Neto (2006). **Terceira:** Schmidt (1931); Neto (1994). **Graciosa:** Neto (1989); Neto (1994). **Faial:** Schmidt (1931); Neto (1994); Tittley & Neto

(1994). **Flores:** Tittley *et al.* (1998).

***Mesogloia vermiculata* (Smith) S.F. Gray**

Native

Azores: Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Neto *et al.* (2021a).

Liebmannia leveillei J. Agardh

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Sangil *et al.* (2018). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Gain (1914); Neto (1994).

Liebmannia leveillei (J. Agardh) Meneghini

Corvo: Trelease (1987); Neto (1994).

***Mesogloia lanosa* P. Crouan & H. Crouan**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

***Myriactula chordae* (Areschoug) Levring**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014).

***Myriactula rivulariae* (Suhr ex Areschoug) J. Feldmann**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley *et al.* (2009); Neto *et al.* (2021a).

***Myriactula stellulata* (Harvey) Levring**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **Faial:** Neto (1994); Tittley & Neto (1994).

***Myrionema magnusii* (Sauvageau) Loiseaux**

Native

Azores: Freitas *et al.* (2019). **São Miguel:** Vaz-Pinto *et al.* (2014).

***Myrionema strangulans* Greville**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994). **São Miguel:** Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Tittley *et al.* (1998); Neto *et al.* (2021c).

Myrionema vulgare var. *maculaeformis* (Kützing) Piccone

Azores: Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Couto *et al.* (2011). **Faial:** Picconne (1889); Neto (1994).

***Papenfussiella kuromo* (Yendo) Inagaki**

Introduced

Azores: Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014); Cardigos *et al.* (2015); Gaspar *et al.* (2019). **Santa Maria:** Botelho *et al.* (2010); Micael *et al.* (2014); Neto *et al.* (2021b). **São Miguel:** Tittley *et al.* (2009); Micael *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Tittley *et al.* (2009); Micael *et al.* (2014); Neto *et al.* (2020a). **Faial:** Tittley *et al.* (2009); Micael *et al.* (2014). **Flores:** Neto *et al.* (2021c).

***Punctaria tenuissima* (C. Agardh) Greville**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Parente *et al.* (2010); Neto *et al.* (2021a).

***Sphaerotrachia divaricata* (C. Agardh) Kylin**

Uncertain

Azores: Morton & Britton (2000); Parente (2010). **Santa Maria:** Neto *et al.* (2021b). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2014, 2021a). **Graciosa:** Neto *et al.* (2020a).

Chordaria cf. divaricata C. Agardh

São Miguel: Neto (1994).

Family Ectocarpaceae C. Agardh 1828

***Ectocarpus flagelliformis* Kützinger**

Native

***Ectocarpus fasciculatus* Kützinger**

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2013a); Neto *et al.* (2021a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994, 2005).

***Ectocarpus rallsiae* Vickers**

Native

Hincksia rallsiae (Vickers) P. C. Silva

Azores: Freitas *et al.* (2019). **Graciosa:** Martins *et al.* (2014a). **São Jorge:** Martins *et al.* (2014a).

***Ectocarpus siliculosus* (Dillwyn) Lyngbye**

Uncertain

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Micael *et al.* (2014); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **São Miguel:** Tittley & Neto (2005); Wallenstein *et al.* (2013a); Micael *et al.* (2014); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a).

***Spongonema tomentosum* (Hudson) Kützinger**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto (1994). **Pico:** Neto *et al.* (2020b).

Family Petrospongiaceae Racault *et al.* 2009

***Petrospongium berkeleyi* (Greville) Nägeli ex Kützinger**

Native

Azores: Parente (2010); Freitas *et al.* (2019). **São Miguel:** Neto *et al.* (2021a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994). **Flores:** Neto *et al.* (2021c).

Cylindrocarpus berkeleyi (Greville) P. Crouan & H. Crouan

Azores: South & Tittley (1986); Neto (1994). **São Miguel:** Castro & Viegas (1987); Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994).

Family Scytosiphonaceae Farlow 1881

***Colpomenia sinuosa* (Mertens ex Roth) Derbès & Solier**

Native

Azores: South & Tittley (1986); Neto (1994); Morton & Britton (2000); Parente (2010); Sangil *et al.* (2018); Freitas *et al.* (2019). **Formigas:** Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (1991, 2021b); Neto (1994, 2001); Botelho *et al.* (2010); Wallenstein *et al.* (2010). **São Miguel:** Gain (1914); Neto (1992, 1994, 2000a); Toste *et al.* (2003b); Wallenstein & Neto (2006); Wallenstein *et al.* (2010, 2013a); Martins *et al.* (2013a, 2018); Vaz-Pinto *et al.* (2014); Bertocci *et al.* (2017); Prestes *et al.* (2017); Gaspar *et al.* (2019); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017); Neto *et al.* (2020e). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994); Neto *et al.* (2020d). **Flores:** Gain (1914); Neto & Azevedo (1990); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c). **Corvo:** Trelease (1987); Neto & Baldwin (1990); Neto (1994); Neto *et al.* (2021c).

Asperococcus sinuosus J. Agardh

Santa Maria: Agardh (1870); Neto (1994, 2000b).

***Hydroclathrus clathratus* (C. Agardh) M. Howe**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019). **Santa Maria:** Neto *et al.* (1991); Neto (1994). **São Miguel:** Neto (2000a, 2001); Toste *et al.* (2003a); Wallenstein & Neto (2006); Neto *et al.* (2021a). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto (1994); Tittley & Neto (1994).

***Hydroclathrus tilesii* (Endlicher) Santiañez & M.J. Wynne**

Introduced

Formigas: Neto *et al.* (2020c). **Santa Maria:** Neto *et al.* (2021b). **Graciosa:** Neto *et al.* (2020a). **Pico:** Neto *et al.* (2020b). **Faial:** Neto *et al.* (2020d). **Flores:** Neto *et al.* (2021c).

Hydroclathrus stephanosorus Kraft

Azores: Santiañez *et al.* (2018).

***Petalonia binghamiae* (J. Agardh) K.L. Vinogradova**

Introduced

Azores: Cardigos *et al.* (2015); Freitas *et al.* (2019); Gaspar *et al.* (2019); Haroun *et al.* (2019). **São Miguel:** Micael *et al.* (2014); Neto *et al.* (2021a). **Terceira:** Micael *et al.* (2014); Neto *et al.* (2020e). **Graciosa:** Micael *et al.* (2014); Neto *et al.* (2020a). **Pico:** Micael *et al.* (2014); Neto *et al.* (2020b). **Faial:** Micael *et al.* (2014).

Endarachne binghamiae J. Agardh

Azores: Morton & Britton (2000); Gollasch (2007); Parente (2010); Micael *et al.* (2014); Neto *et al.* (2014). **Santa Maria:** Wallenstein *et al.* (2009b). **São Miguel:** Parente *et al.* (2003a); Wallenstein & Neto (2006); Wallenstein *et al.* (2009b, 2013a); Bertocci *et al.* (2017). **Graciosa:** Wallenstein *et al.* (2009b). **Pico:** Neto (1994); Tittley & Neto (1994). **Faial:** Neto (1994); Tittley & Neto (1994); Martins *et al.* (2014a).

***Petalonia fascia* (O.F. Müller) Kuntze**

Native

Azores: South & Tittley (1986); Neto (1994); Freitas *et al.* (2019). **São Miguel:** Castro & Viegas (1987); Neto (1994); Neto *et al.* (2021a).

Phyllitis fascia (O.F. Müller) Kützing

São Miguel: Gain (1914); Neto (1994).

***Scytosiphon lomentaria* (Lyngbye) Link**

Native

Azores: South & Tittley (1986); Neto (1994); Parente (2010); Freitas *et al.* (2019).

Santa Maria: Wallenstein *et al.* (2010); Neto *et al.* (2021b). **São Miguel:** Parente *et al.* (2003b); Wallenstein *et al.* (2010, 2013a); Bertocci *et al.* (2017); Martins *et al.* (2018); Neto *et al.* (2021a). **Terceira:** Bertocci *et al.* (2017). **Pico:** Neto *et al.* (2020b).

Scytosiphon lomentarius (Lyngbye) J. Agardh

São Miguel: Gain (1914); Neto (1994).

Microspongium gelatinosum Reinke

Azores: Freitas *et al.* (2019). **São Miguel:** Parente *et al.* (2000); Neto *et al.* (2021a).

***Stragularia clavata* (Harvey) Hamel**

Native

São Miguel: Neto *et al.* (2021a). **Graciosa:** Martins *et al.* (2014a).

DISCUSSION

The present checklist increases to 495 the current total of taxa of marine macroalgae recorded to the mid-Atlantic Azores archipelago, revealing that these isolated islands support a relatively rich marine algal flora, second in species richness after the Canary Islands and followed by Madeira and Cabo Verde. Biogeographically the Azores algal flora has a mixed nature, with species shared with Macaronesia, North Africa, the Mediterranean Sea, Atlantic Europe, and America (Tittley 2003; Tittley & Neto 1995, 2005, 2006; Wallenstein *et al.* 2009b). This can best be seen in those species for which the Azores archipelago is at their distribution boundary. *Codium effusum*, for example, has its western distribution limit in the archipelago (León-Cisneros *et al.* 2012), whereas for *Dudresnaya crassa*, a western Atlantic warm-water species, the Azores is its known distributional limit to the east. Other species, e.g., *Anadyomene stellata*, *Codium taylorii*, *Papenfussiella kuromo*, *Ceratodictyon intricatum*, *Laurencia microcladia*, *Phyllophora gelidioides* and *Sebdenia rodrigueziana* have the Azores as their northern limit, whereas for *Eupogodon planus* the Azores extends its known distributional range to the west (Neto *et al.* 2005, 2009; León-Cisneros *et al.* 2012). This nature of the Azorean marine algal flora was discussed by Freitas *et al.* (2019), who suggested that the Azores should be a biogeographical entity on its own, the Azores ecoregion, separated from the Webbnesia ecoregion, comprising the archipelagos of Madeira, Selvagens and the Canary Islands.

The percentage of Rhodophyta taxa recorded in the Azores is in line with evidence that the proportion of red macroalgae increases from the polar regions to the tropics in the northern hemisphere (Lee 2008; Witman & Roy 2009).

When analysing richness patterns across the archipelago, there are no marked differences between floras of individual islands or island groups, although there are islands with a much higher number of taxa and of introduced species, as is the case of São Miguel Island where the highest macroalgal diversity has been recorded (387 species). These differences in species diversity among the islands are most likely influenced by differences in research efforts. São Miguel Island, where University of Azores is based, has traditionally been the most extensively investigated island.

Some species, relatively common in the region a few years ago, have become uncommon or even very

rare, e.g., *Scytosiphon lomentaria*, *Schimmelmannia schousboei* (pers. obs.). In contrast there has been a recent increase in the arrival and establishment of several non-native species on the archipelago, with some evidence pointing to sources related to maritime traffic (see Cardigos *et al.* 2006; Micael *et al.* 2014; Vaz-Pinto *et al.* 2014; Chainho *et al.* 2015; Parente *et al.* 2018; Cacabelos *et al.* 2019, 2020; Martins *et al.* 2019a). These introductions pose a risk to local marine ecosystems, as non-indigenous species can become invasive, with negative impacts on ecosystem services and biodiversity (e.g., Katsanevakis *et al.* 2014; Martins *et al.* 2019a, b; Cacabelos *et al.* 2020).

Oceanic islands are considered ideal natural laboratories, serving as models for research on ecology, evolution, biogeography, and conservation biology (Kueffer *et al.* 2014). Nowadays, islands constitute the most critical arena for the practical development of conservation biology and conservation biogeography (Fernández-Palacios *et al.* 2015). This checklist, by bringing together all the published information to date (including the currently accepted taxon names and all the previous bibliographic records for the region) and compiling general information on each taxon occurrence and distribution in the archipelago, provides an updated and thorough systematic review of the benthic marine macroalgae of the Azores (Linnean biodiversity shortfall, Cardoso *et al.* 2011; Hortal *et al.* 2015). Furthermore, it improves current information on each taxon local and regional geographic distribution (Wallacean biodiversity shortfall, Cardoso *et al.* 2011; Hortal *et al.* 2015). By doing so, it constitutes a valuable marine biological tool to aid research on the systematics, diversity, conservation, and climate change issues, which will be of assistance to a wide range of focal groups including academics, students, governments, private organizations, and the general public.

ACKNOWLEDGMENTS

This study is a contribution for the project AZORESBIOPORTAL –PORBIOTA (ACORES-01-0145-FEDER-000072) funded through FEDER (85%) and Regional funds (15%) via Programa Operacional Açores 2020. Funding was also provided from Portuguese National Funds, through FCT – the Portuguese Science and Technology Foundation, within the projects UID/BIA/00329/2020-2023 and UID/BIA/50027/2019, UID/BIA/50027/2013-2020, European Regional Development funds ERDF (85%) and regional funds (15%), through the Operational Programme Azores 2020, within the scope of the project “ACORES-01-0145-FEDER-000072”. Eva Cacabelos benefitted from a post-doctoral fellowship awarded by ARDITI Grant Programme Madeira 14-20 (M1420-09-5369-FSE-000002). Authors thank Drs. José Manuel Neto Azevedo for his help in data organization and Nuno Vaz Álvaro for providing Figure 1. Authors deeply appreciate the constructive revision of the manuscript provided by Ian Tittley and Enrique Ballesteros.
'In loving memory of Ana Neto'

IN MEMORIAM

Remembering Ana (1963-2021)



I first met Ana in July 1989 on the island of Faial where we were members of "Expedition Azores". We worked together for a month and got to know each other well both in the field and in the lab. Some of the field visits were to her home island of Pico and Ana took pleasure in showing me and others around. Following the expedition Ana and I undertook exchange visits between London and Ponta Delgada. I remember well on my first visit there, being welcomed to Ana and Zé's university house where I also met her sister who was staying there as well. This was the first of many visits professionally and socially enjoyable and rewarding during which I was welcomed into the extended family circle. Ana made many visits to the Natural History Museum and to London with and without the family, and my partner Maggie and I took the

opportunity to show them around and introduce them to my family in Kent. The climatic differences between the Azores and southern England in winter could be considerable and on one occasion during a visit to the historic Lord Mayor's Parade in London in a cold and miserable November this proved too much! While she was in England, in better weather, I introduced her to the seashores of Kent in order for her to appreciate the floristic, biogeographical and ecological differences between southern England and the Azores. During another of her visits around 2002 we traveled to Hampshire, had lunch at typical English country pub where she had roast beef and trimmings for the first time, to meet Bill Farnham of the University of Portsmouth who became her PhD supervisor leading to a very successful partnership and friendship. About this time I remember too Ana and Zé buying the house in Rua da Misericórdia, gutting it, and making the comfortable home that was the centre of their family life and welcomed so many people from near, far and wide.

In 2003 we started to plan an expedition to the western island of Flores in the archipelago. In 2004 we travelled there to make practical preparations. It seemed to me that she appeared to be known throughout the island group; at every airport where we changed planes or town we visited people came up to greet her and exchange news; apparently I became known as "her englishman"! Our expedition, funded by Earthwatch, lasted six weeks and engaged Earthwatch volunteers and university students the latter impressively arrived by courtesy of the Portuguese navy – Ana's magic worked everywhere, including the local fire-brigade who provided expedition support! Although camping out on the local high school floor for six weeks was enough for me, somehow her magic acquired a comfortable bedroom for her and Zé. Hmmm! The expedition was hard work and a success, but also socially rewarding and great fun.

Ana had wide arms that embraced her extended family and circle of friends, helping them with their problems in her inimitable kind and caring way. Both her sister and mother suffered with cancer and Ana was constantly there for them ensuring they received the medical care and attention they require in the Azores and on the mainland. It was with pleasure that I saw her children arrive and guided into life in a firm but loving manner, and remember well the difficult pregnancies she had to cope with together with her university responsibilities and also visiting guests like me. It saddens me that Raul and Inês

are now young adults and Ana is not able to enjoy this stage of their lives. After a conference in 2006, my family came to the São Miguel for a visit and again arms were opened wide and we were hosted with generosity – Ana lent us her car so that we could tour the island. Ana introduced me to Portuguese and Azorean culture and I have in my CD music collection performances by Madredeus and Chainho which I listen to this day with fond memories of concerts we attended.

Ana was a no-nonsense person and could deal with problems firmly when they arose. During an expedition to Pico I remember well the "ear-bashing" students were given for not delivering what was expected of them, but students were also shown kindness, care and support when needed. Ana was definitely the "matriarch" of her student cohorts and I'm sure will have been valued and never have been forgotten by them. Expeditions followed to Pico and Graciosa and visits and fieldwork on São Miguel where we started to bring together data for a comprehensive algal check-list for the archipelago. One of the highlights of working with Ana was the production of a small illustrated handbook of the marine algae of the Azores and also a coastal biotope definition manual for field surveying in oceanic islands.

Ana fought her cancer stoically, ably supported by Zé, and demonstrated to strength of mind to the end, culminating in floristic accounts of each of the islands of the archipelago and the comprehensive account of the Azores marine algal flora she had long worked towards.

Ana was special and an important person in my life professionally and personally, and who without doubt has left her mark on the Azores in many ways. She is sadly missed by all.

Ian Tittley

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ALPHABETICAL INDEX

A

- abies-marina*, *Cystoseira*, 85
abies-marina, *Gongolaria*, 85
abies-marina, *Treptacantha*, 85
abrotanifolia, *Cystoseira*, 85
acerosa, *Gelidiella*, 47
acicularis, *Chondracanthus*, 58
acicularis, *Gigartina*, 58
acicularis, *Sphaerococcus*, 58
Acrochaete viridis, 67
Acrochaetium cheminii, 12
Acrochaetium crassipes, 12
Acrochaetium microscopicum, 12
Acrosorium ciliolatum, 34
Acrosorium reptans, 35
Acrosorium uncinatum, 35
Acrosorium venulosum, 34
Acrosymphyton purpuriferum, 50
Acrothamnion preissii, 27
acuta, *Scinaia*, 12
adhaerens, *Codium*, 67
adhaerens, *Jania*, 15
adnata, *Dictyota*, 79
adriaticum, *Pseudolithoderma*, 76
aerea, *Chaetomorpha*, 71
aerea f. crassa, *Chaetomorpha*, 72
aerea f. fibrosa, *Chaetomorpha*, 72
africanum, *Pseudorhizoclonium*, 75
africanum, *Rhizoclonium*, 75
Agardhinula browneae, 53
Aglaothamnion bipinnatum, 20
Aglaothamnion byssoides, 21
Aglaothamnion cordatum, 20
Aglaothamnion feldmanniae, 21
Aglaothamnion gallicum, 22
Aglaothamnion hookeri, 22
Aglaothamnion pseudobyssoides, 21
Aglaothamnion roseum, 22
Aglaothamnion tenuissimum, 21
Aglaozonia parvula, 83
Ahnfeltiopsis devoniensis, 59
Ahnfeltiopsis intermedia, 59
albida, *Cladophora*, 73
alsidii, *Stylonema*, 10
Amphiroa beauvoisii, 19
Amphiroa cryptarthrodia, 19
Amphiroa exilis, 19
Amphiroa fragilissima, 19
Amphiroa fragilissima f. cyathifera, 20
Amphiroa rigida, 20
Anadyomene saldanhae, 70
Anadyomene stellata, 70
anastomosans, *Phyllocladion*, 71
anastomosans, *Struvea*, 71
Anotrichium barbatum, 23
Anotrichium furcellatum, 23
Anotrichium tenue, 23
antennina, *Chaetomorpha*, 72
antillarum, *Bachelotia*, 82
Antithamnion cruciatum, 27
Antithamnion decipiens, 27
Antithamnion densum, 27
Antithamnion diminuatum, 27
Antithamnionella boergesenii, 31
Antithamnionella floccosa, 31
Antithamnionella spirographidis, 31
Antithamnionella ternifolia, 31
Antithamnion heterocladum, 27
Antithamnion hubbsii, 27
Antithamnion nipponicum, 27
Antithamnion ogdeniae, 27
Antithamnion pectinatum, 27
Antithamnion plumula, 32
Antithamnion sarniense, 31
Aphanocladia stichidiosa, 37
apoda, *Schizymenia*, 55
Apoglossum ruscifolium, 34
arborescens, *Ceramium*, 27
arbuscula, *Gelidium*, 47
arbuscula, *Hypnea*, 61
ardreana, *Pterosiphonia*, 37
ardreana, *Xiphosiphonia*, 37
argus, *Wrangelia*, 24
armata, *Asparagopsis*, 56
articulata, *Chylocladia*, 52
articulata, *Lomentaria*, 52
Ascophyllum nodosum, 84
asparagoides, *Bonnemaisonia*, 57
Asparagopsis armata, 56
Asparagopsis delilei, 57
Asparagopsis taxiformis, 56
Asperococcus sinuosus, 91
Asterocladon rhodochortonoides, 87
Asteromenia peltata, 51
Asteronema rhodochortonoides, 87
atlantica, *Polysiphonia*, 38
atomaria, *Taonia*, 81

atropurpurea, Porphyra, 11
 atrorubescens, Ceramium, 28
 attenuata, Crouania, 23
 Audouinella crassipes, 12
 azorica, Polysiphonia, 38
 azorica, Pseudoralfsia, 83
 azorum, Lithophyllum, 18

B

baccata, Vickersia, 24
 baccatum, Callithamnion, 24
 Bachelotia antillarum, 82
 baillouviana, Dasya, 33
 Balliella cladoderma, 26
 Bangia fuscopurpurea, 10
 barbarae, Vertebrata, 40
 barbatum, Anotrichium, 23
 bartayresiana, Dictyota, 79
 bartayresii, Dictyota, 79
 beauvoisii, Amphiroa, 19
 berkeleyi, Cyliandrocarpus, 90
 berkeleyi, Petrospongium, 90
 bifida, Rhodophyllis, 61
 binghamiae, Endarachne, 91
 binghamiae, Petalonia, 91
 bipartitum, Lithophyllum, 18
 bipinnatum, Aglaothamnion, 20
 Blidingia marginata, 63
 Blidingia minima, 63
 Boergesenella fruticulosa, 41
 boergesenii, Antithamnionella, 31
 boergesenii, Microdictyon, 71
 Bonnemaisionia asparagoides, 57
 Bonnemaisionia hamifera, 57
 bonnemaisionii, Haraldiophyllum, 35
 Bornetia secundiflora, 23
 borrieri, Pleonosporium, 26
 Bostrychia scorpioides, 36
 botryocarpum, Ceramium, 28
 Botryocladia botryoides, 52
 Botryocladia bullosa, 52
 Botryocladia macaronesica, 52
 botryoides, Botryocladia, 52
 brassica-florida, Neogoniolithon, 17
 breviarticulata, Polysiphonia, 39
 brodiei, Leptosiphonia, 40
 brodiei, Polysiphonia, 40
 brongniartii, Laurencia, 43
 browneae, Agardhinula, 53

Bryopsis corymbosa, 68
 Bryopsis cupressina, 69
 Bryopsis duplex, 69
 Bryopsis hypnoides, 69
 Bryopsis penicillata, 69
 Bryopsis pennata, 69
 Bryopsis plumosa, 69
 bullosa, Botryocladia, 52
 bullosa, Chrysomenia, 52
 byssoides, Aglaothamnion, 21
 byssoides, Callithamnion, 21

C

cabrerae, Carpomitra, 82
 caespitosa, Catenella, 62
 caespitosa, Corallina, 14
 calcareum, Phymatolithon, 20
 Callithamniella tingitana, 31
 Callithamnion baccatum, 24
 Callithamnion byssoides, 21
 Callithamnion cf. spongiosum, 21
 Callithamnion cordatum, 20
 Callithamnion corymbosum, 21
 Callithamnion decompositum, 26
 Callithamnion granulatatum, 21
 Callithamnion hookeri, 22
 Callithamnion pseudobyssoides, 21
 Callithamnion tetragonum, 21
 Callithamnion tetragonum var. divaricatum, 22
 Callithamnion tetricum, 22
 Callithamnion turneri, 26
 calodictyon, Microdictyon, 71
 canariensis, Hildenbrandia, 11
 Canistrocarpus cervicornis, 79
 capillacea, Jania, 14
 capillacea, Pterocladia, 50
 capillacea, Pterocradiella, 49
 capillaris, Chaetomorpha, 72
 capillaris, Chondria, 43
 capitata, Tiffaniella, 26
 caraibica, Dasya, 33
 caribaeum, Spongoconium, 26
 carnea, Erythrotrichia, 10
 Carpomitra cabrerae, 82
 Carpomitra costata, 82
 Carradoriella denudata, 38
 Carradoriella elongata, 38
 cartilagineum, Gelidium, 56
 cartilagineum, Plocamium, 55

- cartilagineus*, *Fucus*, 55
catarinensis, *Laurencia*, 44
catenata, *Cladophora*, 74
catenata, *Conferva*, 74
Catenella caespitosa, 62
Catenella opuntia, 11
Caulacanthus ustulatus, 62
Caulerpa prolifera, 70
Caulerpa webbiana, 70
Centroceras clavulatum, 30
ceramiiiformis, *Polysiphonia*, 39
Ceramium arborescens, 27
Ceramium atrorubescens, 28
Ceramium botryocarpum, 28
Ceramium ciliatum, 28
Ceramium cimbricum, 28
Ceramium cingulatum, 28
Ceramium circinatum, 28
Ceramium clavulatum, 31
Ceramium codii, 28
Ceramium derbesii, 29
Ceramium deslongchampsii, 29
Ceramium diaphanum, 29
Ceramium echionotum, 29
Ceramium fastigiatum, 28
Ceramium flabelligerum, 29
Ceramium flaccidum, 31
Ceramium gaditanum, 29
Ceramium nodulosum, 30
Ceramium pallidum, 29
Ceramium pennatum, 29
Ceramium rubrum, 30
Ceramium scoparium, 77
Ceramium secundatum, 29
Ceramium spinosopilosum, 29
Ceramium strictum, 30
Ceramium tenerrimum, 30
Ceramium tenuicorne, 30
Ceramium virgatum, 30
Ceratodictyon intricatum, 51
Ceratodictyon scoparium, 52
cervicornis, *Canistrocarpus*, 79
cervicornis, *Dictyota*, 79
cervicornis, *Hypnea*, 61
Chaetomorpha aerea, 71
Chaetomorpha aerea f. *crassa*, 72
Chaetomorpha aerea f. *fibrosa*, 72
Chaetomorpha antennina, 72
Chaetomorpha capillaris, 72
Chaetomorpha crassa, 72
Chaetomorpha fibrosa, 72
Chaetomorpha ligustica, 72
Chaetomorpha linum, 72
Chaetomorpha mediterranea, 72
Chaetomorpha pachynema, 72
Champia parvula, 51
cheminii, *Acrochaetium*, 12
Chondracanthus acicularis, 58
Chondracanthus teedei, 58
Chondria capillaris, 43
Chondria coeruleascens, 43
Chondria dasyphylla, 43
Chondria pinnatifida, 46
Chondria tenuissima, 43
Chondria uvaria, 52
chondrioides, *Laurencia*, 44
chordae, *Myriactula*, 89
Chordaria cf. *divaricata*, 90
Choreonema thuretii, 17
Chrysomenia bullosa, 52
Chrysomenia uvaria, 52
Chylocladia articulata, 52
ciliare, *Porphyrostromium*, 10
ciliata, *Dictyota*, 80
ciliatum, *Ceramium*, 28
ciliolata, *Dictyota*, 79
ciliolatum, *Acrosorium*, 34
cimbricum, *Ceramium*, 28
cingulatum, *Ceramium*, 28
circinatum, *Ceramium*, 28
cirrosa, *Sphacelaria*, 78
cladoderma, *Balliella*, 26
Cladophora albida, 73
Cladophora catenata, 74
Cladophora coelothrix, 73
Cladophora conferta, 73
Cladophora dalmatica, 73
Cladophora hutchinsiae, 73
Cladophora laetevirens, 73
Cladophora lehmanniana, 74
Cladophora liebetruthii, 74
Cladophora membranacea, 71
Cladophora michalensis, 74
Cladophora pellucida, 75
Cladophora prolifera, 74
Cladophora sericea, 75
Cladophora theotonii, 75
Cladophora weizenbaurii, 75
Cladophoropsis macromeres, 71
Cladophoropsis membranacea, 71

- Cladosiphon occidentalis*, 88
Cladosiphon zosteræ, 88
Cladostephus spongiosus, 77
Cladostephus verticillatus, 78
clathrata, *Ulva*, 63
clathratus, *Hydroclathrus*, 91
clavata, *Stragularia*, 92
clavatum, *Gastroclonium*, 51
clavellosa, *Lomentaria*, 52
clavulatum, *Centroceras*, 30
clavulatum, *Ceramium*, 31
coccineum, *Plocamium*, 56
codicola, *Colaconema*, 11
codicola, *Rhodothamniella*, 12
codii, *Ceramium*, 28
Codium adhaerens, 67
Codium decorticatum, 67
Codium effusum, 67
Codium elisabethiae, 68
Codium fragile subsp. *atlanticum*, 68
Codium fragile subsp. *fragile*, 68
Codium fragile subsp. *tomentosoides*, 68
Codium taylorii, 68
Codium tomentosum, 68
Codium vermilara, 68
coelothrix, *Cladophora*, 73
Coelothrix irregularis, 51
coerulescens, *Chondria*, 43
Colaconema codicola, 11
collaris, *Zanardinia*, 83
Colpomenia sinuosa, 91
complanata, *Scinaia*, 12
compressa, *Cystoseira*, 84
compressa, *Enteromorpha*, 64
compressa, *Ulva*, 64
Compsonea saxicola, 88
Compsothamnion decompositum, 26
conferta, *Cladophora*, 73
Conferva catenata, 74
Conferva linum, 72
Conferva prolifera, 74
Conferva prolifera var. *fastigiata*, 75
Conferva repens, 73
confusum, *Nemastoma*, 55
confusum, *Platoma*, 55
Corallina caespitosa, 14
Corallina corniculata, 16
Corallina elongata, 14
Corallina ferreyrae, 14
Corallina granifera, 17
Corallina mediterranea, 14
Corallina natalensis, 15
Corallina officinalis, 14
Corallina rubens, 16
Corallina squamata, 16
Corallina virgata, 17
corallinoides, *Griffithsia*, 24
corallopsis, *Palisada*, 49
cordatum, *Aglaothamnion*, 20
cordatum, *Callithamnion*, 20
corneum, *Gelidium*, 48
corneus, *Sphaerococcus*, 48
corneus var. *pinnatus*, *Sphaerococcus*, 48
corneus var. *pulchellus*, *Sphaerococcus*, 49
corneus var. *spinulosus*, *Sphaerococcus*, 48
corniculata, *Corallina*, 16
corniculata, *Jania*, 16
cornu-cervi, *Stylonema*, 10
coronopifolius, *Fucus*, 58
coronopifolius, *Sphaerococcus*, 58
corymbifera, *Dasya*, 33
corymbosa, *Bryopsis*, 68
corymbosum, *Callithamnion*, 21
Corynomorpha prismatica, 53
costata, *Carpomitra*, 82
Cottoniella filamentosa, 34
crassa, *Chaetomorpha*, 72
crassa, *Dudresnaya*, 58
crassa, *Jania*, 15
crassipes, *Acrochaetium*, 12
crassipes, *Audouinella*, 12
crenulata, *Cryptonemia*, 53
crenulatus, *Gymnogongrus*, 59
crispa, *Phyllophora*, 60
crispella, *Heterosiphonia*, 32
crispum, *Pterothamnion*, 31
cristata, *Lophosiphonia*, 36
Crouania attenuata, 23
crouaniana, *Dasya*, 33
crouaniorum, *Hildenbrandia*, 11
crouaniorum, *Lithophyllum*, 18
cruciatum, *Antithamnion*, 27
Cruoria pellita, 57
cryptarthrodia, *Amphiroa*, 19
Cryptonemia crenulata, 53
Cryptonemia lomation, 53
Cryptonemia palmetta, 53
Cryptonemia seminervis, 53
Cryptopleura ramosa, 34
Ctenosiphonia hypnoides, 42

- cupressina, Bryopsis, 69
 Cutleria multifida, 82
 cyanoloma, Dictyota, 80
 cyclocolpum, Platoma, 55
 Cylindrocarpus berkeleyi, 90
 cymatophilum, Stichothamnion, 36
 cymatophylla, Vertebrata, 41
 cymosum, Sargassum, 86
 Cystoseira abies-marina, 85
 Cystoseira abrotanifolia, 85
 Cystoseira compressa, 84
 Cystoseira fimbriata, 85
 Cystoseira foeniculacea, 85
 Cystoseira humilis, 85
 Cystoseira tamariscifolia, 85
- D
- dalmatica, Cladophora, 73
 Dasya baillouviana, 33
 Dasya caraibica, 33 Dasya cf. harveyi, 33
 Dasya corymbifera, 33
 Dasya crouaniana, 33
 Dasya hutchinsiae, 33
 Dasya ocellata, 33
 Dasya rigidula, 33
 dasyphylla, Chondria, 43
 decipiens, Antithamnion, 27
 decompositum, Callithamnion, 26
 decompositum, Compsothamnion, 26
 decorticatum, Codium, 67
 decumbens, Meristotheca, 62
 decussatum, Lithophyllum, 18
 Delesseria hypoglossum, 35
 Delesseria lacerata, 35
 Delesseria plocamium, 56
 delicata, Lobophora, 81
 delicata, Platysiphonia, 34
 delilei, Asparagopsis, 57
 dendroidea, Laurencia, 44
 densum, Antithamnion, 27
 denudata, Carradoriella, 38
 denudata, Polysiphonia, 38
 Derbesia furcellata, 70
 Derbesia lamourouxii, 70
 Derbesia marina, 69
 Derbesia tenuissima, 69
 derbesii, Ceramium, 29
 Dermatolithon pustulatum, 19
 Dermocorynus dichotomus, 54
 desfontainesii, Sargassum, 86
 deslongchampsii, Ceramium, 29
 devoniensis, Ahnfeltiopsis, 59
 devoniensis, Griffithsia, 24
 devoniensis, Gymnogongrus, 59
 diaphanum, Ceramium, 29
 dichotoma, Dictyota, 80
 dichotoma f. attenuata, Dictyota, 80
 dichotoma f. intricata, Dictyota, 80
 dichotoma, Grateloupia, 54
 dichotoma, Sebdenia, 50
 dichotoma var. intricata, Dictyota, 80
 dichotoma var. intricata, Zonaria, 80
 dichotoma, Zonaria, 80
 dichotomus, Dermocorynus, 54
 Dictyopteris membranacea, 79
 Dictyopteris polypodioides, 79
 Dictyota adnata, 79
 Dictyota bartayresiana, 79
 Dictyota bartayresii, 79
 Dictyota cervicornis, 79
 Dictyota cf. volubilis, 80
 Dictyota ciliata, 80
 Dictyota ciliolata, 79
 Dictyota cyanoloma, 80
 Dictyota dichotoma, 80
 Dictyota dichotoma f. attenuata, 80
 Dictyota dichotoma f. intricata, 80
 Dictyota dichotoma var. intricata, 80
 Dictyota fasciola, 80
 Dictyota implexa, 80
 Dictyota liturata, 81
 Dictyota menstrualis, 81
 difformis, Leathesia, 88
 Digenea simplex, 43
 Dilophus fasciola, 80
 diminuatum, Antithamnion, 27
 Diplothamnion jolyi, 25
 Dipterosiphonia rigens, 37
 distenta, Liagora, 13
 divaricata, Chordaria cf., 90
 divaricata, Liagora, 13
 divaricata, Neoizziella, 13
 divaricata, Rhodophyllis, 61
 divaricata, Sphaerotrichia, 90
 Drachiella heterocarpa, 32
 Drachiella minuta, 35
 dubyi, Schizymenia, 55
 Dudresnaya crassa, 58
 Dudresnaya verticillata, 58
 duplex, Bryopsis, 69

E

echionotum, *Ceramium*, 29
Ectocarpus fasciculatus, 90
Ectocarpus flagelliformis, 90
Ectocarpus rallsiae, 90
Ectocarpus siliculosus, 90
Ectocarpus virescens, 87
effusum, *Codium*, 67
Elachista flaccida, 88
elegans, *Goniotrichum*, 10
elegans, *Gymnothamnion*, 22
elisabethiae, *Codium*, 68
Ellisolandia elongata, 14
elminthoides, *Nemalion*, 13
elongata, *Carradoriella*, 38
elongata, *Corallina*, 14
elongata, *Ellisolandia*, 14
elongata, *Polysiphonia*, 38
Enderachne binghamiae, 91
endivioefolium, *Sargassum*, 86
Enteromorpha compressa, 64
Enteromorpha intestinalis, 64
Enteromorpha linza, 65
Enteromorpha micrococca, 63
Enteromorpha muscoides, 63
Enteromorpha prolifera, 65
Enteromorpha prolifera f. prolifera, 66
Enteromorpha ramulosa, 63
Enteromorpha torta, 66
Entocladia viridis, 67
Entoderma viridis, 67
equisetifolius, *Halurus*, 24
Ernodesmis verticillata, 75
Erythrocytis montagnei, 43
Erythrodermis traillii, 59
Erythroglossum laciniatum, 35
Erythrotrichia carnea, 10
esperii, *Lithophyllum*, 18
esperii, *Pseudolithophyllum*, 18
Eupogodon planus, 33
exilis, *Amphiroa*, 19
expansum, *Mesophyllum*, 17

F

Falkenbergia hillebrandii, 57
Falkenbergia rufolanosa, 56
fascia, *Petalonia*, 91

fascia, *Phyllitis*, 92
fasciculatus, *Ectocarpus*, 90
fasciola, *Dictyota*, 80
fasciola, *Dilophus*, 80
fastigiatum, *Ceramium*, 28
feldmanniae, *Aglaothamnion*, 21
Feldmannia globifera, 87
Feldmannia irregularis, 87
Feldmannia mitchelliae, 87
Feldmannia padinae, 87
Feldmannia paradoxa, 88
feldmannii, *Predaea*, 54
feldmannii subsp. azorica, *Predaea*, 54
Feldmannophycus rayssiae, 62
fenestrata, *Ulva*, 64
ferreyrae, *Corallina*, 14
fibrillosa, *Leptosiphonia*, 40
fibrillosa, *Polysiphonia*, 40
fibrosa, *Chaetomorpha*, 72
filamentosa, *Cottoniella*, 34
filamentosa, *Spyridia*, 23
filicina, *Grateloupia*, 54
filicina, *Halopteris*, 76
filicina, *Sphacelaria*, 77
filicinum, *Gelidium*, 48
fimbriata, *Cystoseira*, 85
fissifolium, *Sargassum*, 86
flabellatum, *Spermothamnion*, 25
flabelligerum, *Ceramium*, 29
flacca, *Ulothrix*, 63
flaccida, *Elachista*, 88
flaccida, *Gayliella*, 31
flaccidum, *Ceramium*, 31
flagelliformis, *Ectocarpus*, 90
flagelliformis, *Hypnea*, 61
flava, *Zonaria*, 82
floccosa, *Antithamnionella*, 31
flocculosa, *Polysiphonia*, 39
floridana, *Microzonia*, 76
floridana, *Syringoderma*, 76
flosculosa, *Griffithsia*, 24
flosculosus, *Halurus*, 24
foeniculacea, *Cystoseira*, 85
foetidissima, *Polysiphonia*, 41
foetidissima, *Vertebrata*, 41
fragile subsp. atlanticum, *Codium*, 68
fragile subsp. fragile, *Codium*, 68
fragile subsp. tomentosoides, *Codium*, 68
fragilissima, *Amphiroa*, 19

- fragilissima* f. *cyathifera*, *Amphiroa*, 20
fruticulosa, *Boergeseniella*, 41
fruticulosa, *Polysiphonia*, 41
fruticulosa, *Vertebrata*, 41
fruticulosus, *Spongites*, 17
fucoides, *Polysiphonia*, 41
fucoides, *Vertebrata*, 41
Fucus cartilagineus, 56
Fucus coronopifolius, 58
Fucus guiryi, 84
Fucus laceratus, 35
Fucus nodosus, 84
Fucus platycarpus var. *spiralis*, 84
Fucus spiralis, 84
Fucus spiralis var. *platycarpus*, 84
Fucus vesiculosus var. *spiralis*, 84
furcatum, *Sargassum*, 86
furcellata, *Derbesia*, 70
furcellata, *Polysiphonia*, 41
furcellata, *Pseudochlorodesmis*, 70
furcellata, *Scinaia*, 12
furcellata, *Vertebrata*, 13
furcellatum, *Anotrichium*, 23
fusca, *Sphacelaria*, 78
fuscopurpurea, *Bangia*, 10
- G
- gaditanum*, *Ceramium*, 29
Gaillona gallica, 22
Gaillona hookeri, 22
Gaillona rosea, 22
gallica, *Gaillona*, 22
gallicum, *Aglaothamnion*, 22
Gastroclonium clavatum, 51
Gastroclonium ovatum, 51
Gastroclonium reflexum, 51
Gayliella flaccida, 31
Gayralia oxysperma, 62
gelatinosum, *Microspongium*, 92
Gelidiella acerosa, 47
Gelidiella cf. *tenuissima*, 47
Gelidiella tinerfensis, 47
gelidioides, *Phyllophora*, 60
Gelidiopsis intricata, 52
Gelidium arbuscula, 47
Gelidium cartilagineum, 56
Gelidium corneum, 48
Gelidium filicinum, 48
Gelidium latifolium, 49
Gelidium latifolium var. *hystrix*, 49
Gelidium microdon, 48
Gelidium pulchellum, 49
Gelidium pusillum, 11, 49
Gelidium pusillum var. *umbrosa*, 49
Gelidium sesquipedale, 48
Gelidium spinosum, 49
Gelidium spinosum var. *hystrix*, 49
Gelidium spinulosum, 48
Gelidium spinulosum var. *microdon*, 48
Gelidium spinulosum var. *oxyacanthum*, 48
Gigartina acicularis, 58
Gigartina pistillata, 59
Gigartina teedei, 59
globifera, *Feldmannia*, 87
globulifera, *Griffithsia*, 24
Gongolaria abies-marina, 85
Goniotrichum elegans, 10
Gracilaria gracilis, 46
Gracilaria multipartita, 46
Gracilaria verrucosa, 47
Gracilariopsis longissima, 46
gracilis, *Gracilaria*, 46
Grallatoria reptans, 25
granifera, *Corallina*, 17
granulatum, *Callithamnion*, 21
Grateloupia dichotoma, 54
Grateloupia filicina, 54
Grateloupia turuturu, 54
grevillei, *Monostroma*, 63
grevillei, *Ulvopsis*, 63
Griffithsia corallinoides, 24
Griffithsia devoniensis, 24
griffithsiae, *Gymnogongrus*, 60
Griffithsia flosculosa, 24
Griffithsia globulifera, 24
Griffithsia phyllamphora, 24
guiryi, *Fucus*, 84
Gymnogongrus crenulatus, 59
Gymnogongrus devoniensis, 59
Gymnogongrus griffithsiae, 60
Gymnogongrus tenuis, 60
Gymnophycus hapsiphorus, 26
Gymnothamnion elegans, 22
- H
- Halarachnion ligulatum*, 60
Halimeda incrassata, 70
Halimeda tuna, 70

Haliptilon squamatum, 16
Haliptilon virgatum, 16
Haliseris polypodioides, 79
Halopteris filicina, 76
Halopteris scoparia, 77
Halopteris scoparium, 77
Halurus equisetifolius, 24
Halurus flosculosus, 24
Halymenia reniformis, 54
hamifera, *Bonnemaisonia*, 57
Hapalospongidion macrocarpum, 83
hapsiphorus, *Gymnophycus*, 26
Haraldia lenormandii, 35
Haraldiophyllum bonnemaisonii, 35
harveyi, *Dasya* cf., 33
harveyi, *Melanothamnus*, 40
harveyi, *Neosiphonia*, 40
havanensis, *Polysiphonia*, 39
Hecatonema terminale, 88
helminthoides, *Nemalion*, 13
Herposiphonia secunda, 36
Herposiphonia secunda f. *tenella*, 36
heterocarpa, *Drachiella*, 32
heterocladum, *Antithamnion*, 27
heterocystideum, *Hypoglossum*, 32
Heterosiphonia crispella, 32
Hildenbrandia canariensis, 11
Hildenbrandia crouaniorum, 11
Hildenbrandia rubra, 11
hillebrandii, *Falkenbergia*, 57
Hincksia intermedia, 88
Hincksia mitchelliae, 87
Hincksia onslowensis, 88
Hincksia ovata, 88
Hincksia rallsiae, 90
hochstetteriana, *Polysiphonia*, 39
holmesii, *Rhodymenia*, 53
hookeri, *Aglaothamnion*, 22
hookeri, *Callithamnion*, 22
hookeri, *Gaillona*, 22
hookeri, *Rhizoclonium*, 75
hubbsii, *Antithamnion*, 27
humilis, *Cystoseira*, 85
hutchinsiae, *Cladophora*, 73
hutchinsiae, *Dasya*, 33
hybrida, *Laurencia*, 45
hybrida, *Osmundea*, 45
Hydroclathrus clathratus, 91
Hydroclathrus stephanosorus, 91
Hydroclathrus tilesii, 91

Hydrolithon onkodes, 18
Hypnea arbuscula, 61
Hypnea cervicornis, 61
Hypnea flagelliformis, 61
Hypnea musciformis, 61
Hypnea spinella, 61
hypnoides, *Bryopsis*, 69
hypnoides, *Ctenosiphonia*, 42
hypnoides, *Vertebrata*, 42
hypoglossoides, *Hypoglossum*, 33
hypoglossum, *Delesseria*, 35
Hypoglossum heterocystideum, 32
Hypoglossum hypoglossoides, 33
Hypoglossum woodwardii, 35
hystrix, *Sphacelaria*, 78

I

implexa, *Dictyota*, 80
incrassata, *Halimeda*, 70
incrustans, *Lithophyllum*, 18
intermedia, *Ahnfeltiopsis*, 59
intermedia, *Hincksia*, 88
interrupta, *Scinaia*, 12
interruptum, *Stenogramma*, 60
intestinalis, *Enteromorpha*, 64
intestinalis, *Ulva*, 64
intricata, *Gelidiopsis*, 52
intricata, *Laurencia*, 44
intricatum, *Ceratodictyon*, 51
irregularis, *Coelothrix*, 51
irregularis, *Feldmannia*, 87
Itonoa marginifera, 54

J

Jania adhaerens, 15
Jania capillacea, 14
Jania corniculata, 16
Jania crassa, 15
Jania longifurca, 15
Jania natalensis, 15
Jania pedunculata var. *adhaerens*, 15
Jania pumila, 15
Jania rubens, 15
Jania rubens var. *corniculata*, 16
Jania squamata, 16
Jania verrucosa, 16
Jania virgata, 16
jolyi, *Diplothamnion*, 25

K

Kallymenia reniformis, 57
kuromo, Papenfussiella, 89

L

lacerata, Delesseria, 35
laceratum, Nitophyllum, 35
laceratus, Fucus, 35
laciniatum, Erythrogloussum, 35
lactuca f. genuina, Ulva, 65
lactuca f. lapathifolia, Ulva, 65
lactuca f. latissima, Ulva, 65
lactuca f. pulvinata, Ulva, 65
lactuca f. rigida, Ulva, 65
lactuca, Ulva, 64
laetevirens, Cladophora, 73
Laminaria ochroleuca, 87
lamourouxii, Derbesia, 70
lamourouxii, Pedobesia, 70
lanosa, Mesogloia, 89
latifolium, Gelidium, 49
latifolium var. hystrix, Gelidium, 49
Laurencia brongiartii, 43
Laurencia catarinensis, 44
Laurencia chondrioides, 44
Laurencia dendroidea, 44
Laurencia hybrida, 45
Laurencia intricata, 44
Laurencia majuscula, 44
Laurencia microcladia, 44
Laurencia minuta, 44
Laurencia obtusa, 44
Laurencia obtusa var. pyramidata, 44
Laurencia pinnatifida, 46
Laurencia pyramidalis, 44
Laurencia tenera, 45
Laurencia viridis, 45
Laurenciella marilzae, 45
Leathesia difformis, 88
Leathesia marina, 88
lehmanniana, Cladophora, 74
Lejolisia mediterranea, 25
lenormandii, Haraldia, 35
lenormandii, Lithothamnion, 20
lenormandii, Phymatolithon, 20
lens, Ulvella, 66
Leptosiphonia brodiei, 40
Leptosiphonia fibrillosa, 40

leucosticta, Neopyropia, 11
leucosticta, Porphyra, 11
leucosticta, Pyropia, 11
leveillei, Liebmannia, 89
Liagora distenta, 13
Liagora divaricata, 13
Liagora maderensis, 13
Liagora tetrasporifera, 13
Liagora viscida, 13
lichenoides, Mesophyllum, 17
liebetruthii, Cladophora, 74
Liebmannia leveillei, 89
ligulatum, Halarachnion, 60
ligustica, Chaetomorpha, 72
linearis, Porphyra, 11
linum, Chaetomorpha, 72
linum, Conferva, 72
linza, Enteromorpha, 65
linza, Ulva, 65
Lithophyllum azorum, 18
Lithophyllum bipartitum, 18
Lithophyllum crouaniorum, 18
Lithophyllum decussatum, 18
Lithophyllum esperi, 18
Lithophyllum incrustans, 18
Lithophyllum prototypum, 18
Lithophyllum pustulatum, 19
Lithophyllum tortuosum, 19
Lithophyllum vickersiae, 18
Lithothamnion lenormandii, 20
Lithothamnion membranaceum, 21
liturata, Dictyota, 81
Lobophora delicata, 81
lomation, Cryptonemia, 53
Lomentaria articulata, 52
Lomentaria clavellosa, 52
Lomentaria orcadensis, 52
lomentaria, Scytosiphon, 92
lomentarius, Scytosiphon, 92
longifurca, Jania, 15
longissima, Gracilariopsis, 46
Lophocladia trichoclados, 36
Lophosiphonia cristata, 36
Lophosiphonia obscura, 36
Lophosiphonia reptabunda, 42
Lophosiphonia subadunca, 36
lubricum, Nematolion, 13
Lychaete pellucida, 75

M

- macaronesica, Botryocladia, 52
 macaronesicus, Melanothamnus, 40
 macrocarpa, Polysiphonia, 38
 macrocarpum, Hapalospongion, 83
 macromeres, Cladophoropsis, 71
 macrophysa, Valonia, 75
 maderensis, Liagora, 13
 magnusii, Myrionema, 89
 majuscula, Laurencia, 44
 marchantioides, Symphyocladia, 37
 marginata, Blidingia, 63
 marginifera, Itonoa, 54
 marginiferum, Platoma, 55
 marilzae, Laurenciella, 45
 marina, Derbesia, 69
 marina, Leathesia, 88
 mediterranea, Chaetomorpha, 72
 mediterranea, Corallina, 14
 mediterranea, Lejolisia, 25
 Melanothamnus harveyi, 40
 Melanothamnus macaronesicus, 40
 Melanothamnus sphaerocarpus, 40
 Melobesia membranacea, 17
 Melobesia pustulata, 19
 membranacea, Cladophora, 71
 membranacea, Cladophoropsis, 71
 membranacea, Dictyopteris, 79
 membranacea, Melobesia, 17
 membranaceum, Lithothamnion, 17
 menstrualis, Dictyota, 81
 Meredithia microphylla, 57
 Meristotheca decumbens, 62
 Mesogloia lanosa, 89
 Mesogloia vermiculata, 89
 Mesophyllum expansum, 89
 Mesophyllum lichenoides, 89
 michalensis, Cladophora, 74
 microcladia, Laurencia, 44
 micrococca, Enteromorpha, 63
 Microdictyon boergesenii, 71
 Microdictyon calodictyon, 71
 Microdictyon umbilicatum, 71
 microdon, Gelidium, 48
 microphylla, Meredithia, 57
 microscopicum, Acrochaetium, 12
 Microspongium gelatinosum, 92
 Microzonia floridana, 76
 Millerella pannosa, 47
 Millerella tinereffensis, 47
 miniata, Wurdemannia, 62
 minima, Blidingia, 63
 minuta, Drachiella, 35
 minuta, Laurencia, 44
 minuta, Myriogramme, 35
 mitchelliae, Feldmannia, 87
 mitchelliae, Hincksia, 87
 Monosporus pedicellatus, 25
 Monostroma grevillei, 63
 montagnei, Erythrocyctis, 43
 multifida, Cutleria, 82
 multifidum, Sphondylothamnion, 25
 multipartita, Gracilaria, 46
 multiramosa, Ulva, 65
 musciformis, Hypnea, 61
 muscoides, Enteromorpha, 63
 muscoides, Ulva, 64
 Myriactula chordae, 89
 Myriactula rivulariae, 89
 Myriactula stellulata, 89
 Myriogramme minuta, 35
 Myrionema magnusii, 89
 Myrionema strangulans, 89
 Myrionema vulgare var. maculaeformis, 89

N

- nana, Sphacelaria, 79
 nanum, Taenioma, 34
 nanus, Sphacelorbis, 79
 natalensis, Corallina, 15
 natalensis, Jania, 15
 Nemalion elminthoides, 13
 Nemalion helminthoides, 13
 Nemalion lubricum, 13
 Nemastoma confusum, 55
 Nemeroderma tingitanum, 83
 Neogoniolithon brassica-florida, 17
 Neoizziella divaricata, 13
 Neopyropia leucosticta, 11
 Neosiphonia harveyi, 40
 Neosiphonia sphaerocarpa, 40
 nicaeensis, Schottera, 60
 nigra, Polysiphonia, 42
 nigra, Vertebrata, 42
 nigrescens, Polysiphonia, 41
 nipponicum, Antithamnion, 27
 Nitophyllum laceratum, 35
 Nitophyllum punctatum, 32

Nitophyllum uncinatum, 35
 nodosum, Ascophyllum, 84
 nodosus, Fucus, 84
 nodulosum, Ceramium, 30

O

obovata, Schizymenia, 55
 obscura, Lophosiphonia, 36
 obtusa, Laurencia, 44
 obtusa var. pyramidata, Laurencia, 44
 occidentalis, Cladosiphon, 88
 ocellata, Dasya, 33
 ochroleuca, Laminaria, 87
 oederi, Osmundea, 45
 officinalis, Corallina, 14
 ogdeniae, Antithamnion, 27
 onkodes, Hydrolithon, 18
 onkodes, Porolithon, 17
 onslowensis, Hincksia, 88
 opaca, Polysiphonia, 39
 opuntia, Catenella, 11
 orcadensis, Lomentaria, 52
 ornata, Schimmelmannia, 50
 Osmundea hybrida, 45
 Osmundea oederi, 45
 Osmundea pinnatifida, 45
 Osmundea prudhommevanreinei, 46
 Osmundea ramosissima, 45
 Osmundea truncata, 46
 ovata, Hincksia, 88
 ovatum, Gastroclonium, 51
 oxysperma, Gayralia, 62
 oxysperma, Ulvaria, 62

P

pachynema, Chaetomorpha, 72
 padinae, Feldmannia, 87
 Padina pavonica, 81
 Palisada corallopsis, 46
 Palisada patentiramea, 46
 Palisada perforata, 46
 Palisada poiteau, 46
 pallidum, Ceramium, 29
 palmetta, Cryptonemia, 53
 palmetta, Rhodymenia, 53
 palmetta, Sphaerococcus, 53
 pannosa, Millerella, 47
 Papenfussiella kuromo, 89

paradoxa, Feldmannia, 88
 parasitica, Polysiphonia, 37
 parasitica, Pterosiphonia, 37
 parasitica, Symphyocladia, 37
 parasitica, Symphyocladiella, 37
 Parviphycus tenuissimus, 47
 parvula, Aglaozonia, 83
 parvula, Champia, 51
 patens, Scageliopsis, 22
 patentiramea, Palisada, 46
 pavonia, Zonaria, 81
 pavonica, Padina, 81
 pectinatum, Antithamnion, 27
 pedicellatus, Monosporus, 25
 Pedobesia lamourouxii, 70
 Pedobesia simplex, 69
 pedunculata var. adhaerens, Jania, 15
 pedunculatus, Sporochnus, 82
 pellita, Cruoria, 57
 pellucida, Cladophora, 75
 pellucida, Lychaete, 75
 peltata, Asteromenia, 51
 penicillata, Bryopsis, 69
 penicillata, Wrangelia, 25
 pennata, Bryopsis, 69
 pennata, Pterosiphonia, 38
 pennata, Sphacelaria, 78
 pennata, Xiphosiphonia, 37
 pennatum, Ceramium, 29
 perforata, Palisada, 46
 perpusillum, Taenioma, 34
 Petalonia binghamiae, 91
 Petalonia fascia, 91
 Petrospongium berkeleyi, 90
 Peyssonnelia squamaria, 47
 phyllamphora, Griffithsia, 24
 Phyllitis fascia, 94
 Phyllodictyon anastomosans, 71
 Phyllophora crispa, 60
 Phyllophora gelidioides, 60
 Phyllophora sicula, 60
 Phyllophora traillii, 59
 Phymatolithon calcareum, 20
 Phymatolithon lenormandii, 20
 Phymatolithon tenuissimum, 20
 pinnata, Pterocladia, 50
 pinnatifida, Chondria, 46
 pinnatifida, Laurencia, 46
 pinnatifida, Osmundea, 45
 pinnulata, Pterosiphonia, 38

- pinnulata, Xiphosiphonia, 38
 pistillata, Gigartina, 59
 planus, Eupogodon, 33
 Platoma confusum, 55
 Platoma cyclocolpum, 55
 Platoma marginiferum, 55
 platycarpus var. spiralis, Fucus, 84
 Platysiphonia delicata, 34
 Pleonosporium borrieri, 26
 Plocamium cartilagineum, 55
 Plocamium coccineum, 56
 plocamium, Delesseria, 56
 pluma, Ptilothamnion, 25
 Plumaria schouboei, 22
 plumosa, Bryopsis, 69
 plumula, Antithamnion, 32
 plumula, Pterothamnion, 31
 plumula, Sphacelaria, 78
 poiteaui, Palisada, 46
 poiteaui, Yuzurua, 46
 polyclada, Ulva, 65
 polypodioides, Dictyopteris, 79
 polypodioides, Haliseris, 79
 Polysiphonia atlantica, 38
 Polysiphonia azorica, 38
 Polysiphonia breviararticulata, 39
 Polysiphonia brodiei, 40
 Polysiphonia ceramiiformis, 39
 Polysiphonia denudata, 38
 Polysiphonia elongata, 38
 Polysiphonia fibrillosa, 40
 Polysiphonia flocculosa, 39
 Polysiphonia foetidissima, 41
 Polysiphonia fruticulosa, 41
 Polysiphonia fucoides, 41
 Polysiphonia furcellata, 41
 Polysiphonia havanensis, 39
 Polysiphonia hochstetteriana, 39
 Polysiphonia macrocarpa, 38
 Polysiphonia nigra, 42
 Polysiphonia nigrescens, 41
 Polysiphonia opaca, 39
 Polysiphonia parasitica, 37
 Polysiphonia scopulorum, 39
 Polysiphonia sertularioides, 39
 Polysiphonia sphaerocarpa, 40
 Polysiphonia spinulosa, 40
 Polysiphonia stricta, 39
 Polysiphonia subcontinua, 40
 Polysiphonia tripinnata, 42
 Polysiphonia urceolata, 39
 Porolithon onkodes, 17
 Porphyra atropurpurea, 11
 Porphyra leucosticta, 11
 Porphyra linearis, 11
 Porphyra umbilicalis, 11
 Porphyrostromium ciliare, 10
 Predaea feldmannii, 54
 Predaea feldmannii subsp. azorica, 54
 preissii, Acrothamnion, 27
 Pringsheimiella scutata, 67
 prismatica, Corynomorpha, 53
 prolifera, Caulerpa, 70
 prolifera, Cladophora, 74
 prolifera, Conferva, 74
 prolifera, Conferva var. fastigiata, 75
 prolifera, Enteromorpha, 65
 prolifera f. prolifera, Enteromorpha, 66
 prolifera, Ulva, 65
 prolifera var. fastigiata, Conferva, 75
 prototypum, Lithophyllum, 18
 prototypus, Zanardinia, 83
 prudhommevanreinei, Osmundea, 46
 pseudobyssoides, Aglaothamnion, 21
 pseudobyssoides, Callithamnion, 21
 Pseudochlorodesmis furcellata, 70
 Pseudolithoderma adriaticum, 76
 Pseudolithoderma roscoffense, 76
 Pseudolithophyllum esperi, 18
 pseudopalmata, Rhodymenia, 53
 Pseudoralfsia azorica, 83
 Pseudoralfsia verrucosa, 83
 Pseudorhizoclonium africanum, 75
 pseudorotundata, Ulva, 66
 Pterocladia capillacea, 50
 Pterocladia pinnata, 50
 Pterocradiella capillacea, 49
 Pterosiphonia ardreana, 37
 Pterosiphonia parasitica, 37
 Pterosiphonia pennata, 38
 Pterosiphonia pinnulata, 38
 Pterothamnion crispum, 31
 Pterothamnion plumula, 31
 Ptilothamnion pluma, 25
 pulchellum, Gelidium, 49
 pumila, Jania, 15
 Punctaria tenuissima, 90
 punctatum, Nitophyllum, 32
 purpureum, Rhodochorton, 12
 purpuriferum, Acrosymphyton, 50

pusillum, Gelidium, 49
 pusillum var. umbrosa, Gelidium, 49
 pustulata, Melobesia, 19
 pustulatum, Dermatolithon, 19
 pustulatum, Lithophyllum, 19
 pustulatum, Titanoderma, 19
 pylaisaei, Scagelia, 32
 pyramidalis, Laurencia, 44
 Pyropia leucosticta, 11

Q

R

Radicilingua thysanorhizans, 32
 ralfsii, Ulva, 66
 rallsiae, Ectocarpus, 90
 rallsiae, Hincksia, 90
 ramosa, Cryptopleura, 34
 ramosissima, Osmundea, 45
 ramulosa, Enteromorpha, 63
 ramulosa, Ulva, 64
 rayssiae, Feldmannophycus, 62
 reflexum, Gastroclonium, 51
 reniformis, Halymenia, 54
 reniformis, Kallymenia, 57
 repens, Conferva, 73
 repens, Spermotheramnion, 26
 reptabunda, Lophosiphonia, 42
 reptabunda, Vertebrata, 42
 reptans, Acrosorium, 35
 reptans, Grallatoria, 25
 Rhizoclonium africanum, 75
 Rhizoclonium hookeri, 75
 Rhizoclonium tortuosum, 75
 rhodochortonoides, Asterocladon, 87
 rhodochortonoides, Asteronema, 87
 Rhodochorton purpureum, 12
 Rhodochorton rothii, 12
 Rhodophyllis bifida, 61
 Rhodophyllis divaricata, 61
 Rhodothamniella codicola, 12
 Rhodymenia holmesii, 53
 Rhodymenia palmetta, 53
 Rhodymenia pseudopalmata, 53
 rigens, Dipterosiphonia, 37
 rigida, Amphiroa, 20
 rigida, Ulva, 66
 rigida var. rigida, Ulva, 66
 rigidula, Dasya, 33

rigidula, Sphacelaria, 78
 rivulariae, Myriactula, 89
 rodrigueziana, Sebdenia, 50
 roscoffense, Pseudolithoderma, 76
 rosea, Gaillona, 22
 roseum, Aglaothamnion, 22
 rothii, Rhodochorton, 12
 rotundata, Ulva, 66
 rubens, Corallina, 16
 rubens, Jania, 15
 rubens var. corniculata, Jania, 16
 rubra, Hildenbrandia, 11
 rubrum, Ceramium, 30
 rufolanosa, Falkenbergia, 56
 ruscifolium, Apoglossum, 34

S

saldanhae, Anadyomene, 70
 Sargassum cymosum, 86
 Sargassum desfontainesii, 86
 Sargassum endivioefolium, 86
 Sargassum fissifolium, 86
 Sargassum furcatum, 86
 Sargassum stenophyllum, 86
 Sargassum vulgare, 86
 Sargassum vulgare var. diversifolium, 86
 Sargassum vulgare var. furcata, 86
 Sargassum vulgare var. lanceolata, 86
 Sargassum vulgare var. tenuifolium, 86
 sarniense, Antithamnion, 31
 saxicola, Compsomena, 88
 Scagelia pylaisaei, 32
 Scageliopsis patens, 22
 Scagelothamnion turneri, 32
 Schimmelmannia ornata, 50
 Schimmelmannia schousboei, 50
 Schizymenia apoda, 55
 Schizymenia dubyi, 55
 Schizymenia obovata, 55
 Schizymenia undulata, 55
 Schottera nicaeensis, 60
 schousboei, Plumaria, 22
 schousboei, Schimmelmannia, 50
 Scinaia acuta, 12
 Scinaia complanata, 12
 Scinaia furcellata, 12
 Scinaia interrupta, 12
 Scinaia turgida, 12
 scoparia, Halopteris, 77

- scoparia, Sphacelaria, 77
 scoparia var. pennata, Sphacelaria, 77
 scoparium, Ceramium, 77
 scoparium, Ceratodictyon, 52
 scoparium, Halopteris, 77
 scoparium, Stypocaulon, 77
 scopulorum, Polysiphonia, 39
 scorpioides, Bostrychia, 36
 scutata, Pringsheimiella, 67
 scutata, Ulvella, 67
 Scytosiphon lomentaria, 92
 Scytosiphon lomentarius, 92
 Sebdenia dichotoma, 50
 Sebdenia rodrigueziana, 50
 secunda f. tenella, Herposiphonia, 36
 secunda, Herposiphonia, 36
 secundatum, Ceramium, 29
 secundiflora, Bornetia, 23
 seminervis, Cryptonemia, 53
 sericea, Cladophora, 75
 sertularioides, Polysiphonia, 39
 sesquipedale, Gelidium, 48
 sicala, Phyllophora, 60
 siliculosus, Ectocarpus, 90
 simplex, Digenea, 43
 simplex, Pedobesia, 69
 sinuosa, Colpomenia, 91
 sinuosus, Asperococcus, 91
 Spermothamnion flabellatum, 25
 Spermothamnion repens, 26
 Spermothamnion strictum, 26
 Spermothamnion turneri, 32
 Sphacelaria cirrosa, 78
 Sphacelaria filicina, 77
 Sphacelaria fusca, 78
 Sphacelaria hystrix, 78
 Sphacelaria nana, 79
 Sphacelaria pennata, 78
 Sphacelaria plumula, 78
 Sphacelaria rigidula, 78
 Sphacelaria scoparia, 77
 Sphacelaria scoparia var. pennata, 77
 Sphacelaria tribuloides, 78
 Sphacelorbis nanus, 79
 sphaerocarpa, Neosiphonia, 40
 sphaerocarpa, Polysiphonia, 40
 sphaerocarpus, Melanothamnus, 40
 Sphaerococcus acicularis, 58
 Sphaerococcus corneus, 48
 Sphaerococcus corneus var. pinnatus, 48
 Sphaerococcus corneus var. pulchellus, 49
 Sphaerococcus corneus var. spinulosus, 48
 Sphaerococcus coronopifolius, 58
 Sphaerococcus palmetta, 53
 Sphaerococcus teedei, 59
 Sphaerotrichia divaricata, 90
 Sphondylothamnion multifidum, 25
 spinella, Hypnea, 61
 spinosopilosum, Ceramium, 29
 spinosum, Gelidium, 49
 spinosum var. hystrix, Gelidium, 49
 spinulosa, Polysiphonia, 40
 spinulosum, Gelidium, 48
 spinulosum var. microdon, Gelidium, 48
 spinulosum var. oxyacanthum, Gelidium, 48
 spiralis, Fucus, 84
 spiralis var. platycarpus, Fucus, 84
 spirographidis, Antithamnionella, 31
 spongiosum, Callithamnion cf., 21
 spongiosus, Cladostephus, 77
 Spongites fruticulosus, 17
 Spongoclonium caribaeum, 26
 Spongonema tomentosum, 90
 Sporocchnus pedunculatus, 82
 Spyridia filamentosa, 23
 squamaria, Peyssonnelia, 47
 squamata, Corallina, 16
 squamata, Jania, 16
 squamatum, Haliptilon, 16
 stellata, Anadyomene, 70
 stellulata, Myriactula, 89
 Stenogramma interruptum, 60
 stenophyllum, Sargassum, 86
 stephanosorus, Hydroclathrus, 91
 stichidiosa, Aphanocladia, 37
 Stichothamnion cymatophilum, 36
 Stragularia clavata, 92
 strangulans, Myrionema, 89
 stricta, Polysiphonia, 39
 strictum, Ceramium, 30
 strictum, Spermothamnion, 26
 Struvea anastomosans, 71
 Stylonema alsidii, 10
 Stylonema cornu-cervi, 10
 Stypocaulon scoparium, 77
 Stypopodium zonale, 81
 subadunca, Lophosiphonia, 36
 subcontinua, Polysiphonia, 40

Symphyocladia marchantioides, 37
Symphyocladia parasitica, 37
Symphyocладиella parasitica, 37
Syringoderma floridana, 76

T

Taenioma nanum, 34
Taenioma perpusillum, 34
tamariscifolia, *Cystoseira*, 85
Taonia atomaria, 81
taxiformis, *Asparagopsis*, 56
taylorii, *Codium*, 68
teedei, *Chondracanthus*, 58
teedei, *Gigartina*, 59
teedei, *Sphaerococcus*, 59
Tenarea tortuosa, 18
tenera, *Laurencia*, 45
tenerrimum, *Ceramium*, 30
tenuе, *Anotrichium*, 23
tenuicorne, *Ceramium*, 30
tenuis, *Gymnogongrus*, 60
tenuissima, *Chondria*, 43
tenuissima, *Derbesia*, 69
tenuissima, *Gelidiella* cf., 47
tenuissima, *Punctaria*, 90
tenuissimum, *Aglaothamnion*, 21
tenuissimum, *Phymatolithon*, 20
tenuissimus, *Parviphycus*, 47
terminale, *Hecatonema*, 88
ternifolia, *Antithamnionella*, 31
tetragonum, *Callithamnion*, 21
tetragonum var. *divaricatum*, *Callithamnion*, 22
tetrasporifera, *Liagora*, 13
tetricum, *Callithamnion*, 22
theotonii, *Cladophora*, 75
thuretii, *Choreonema*, 17
thuyoides, *Vertebrata*, 42
thysanorhizans, *Radicilingua*, 32
Tiffaniella capitata, 26
tilesii, *Hydroclathrus*, 91
tinerfensis, *Gelidiella*, 47
tinerfensis, *Millerella*, 47
tingitana, *Callithamniella*, 31
tingitanum, *Nemoderma*, 83
Titanoderma pustulatum, 19
tomentosum, *Codium*, 68
tomentosum, *Spongonema*, 90
torta, *Enteromorpha*, 66

torta, *Ulva*, 66
tortuosa, *Tenarea*, 18
tortuosum, *Lithophyllum*, 19
tortuosum, *Rhizoclonium*, 75
tournefortii, *Zonaria*, 81
traillii, *Erythrodermis*, 59
traillii, *Phyllophora*, 59
Treptacantha abies-marina, 85
tribuloides, *Sphacelaria*, 78
trichocladus, *Lophocladia*, 36
tripinnata, *Polysiphonia*, 42
tripinnata, *Vertebrata*, 42
truncata, *Osmundea*, 46
tuna, *Halimeda*, 70
turgida, *Scinaia*, 12
turneri, *Callithamnion*, 26
turneri, *Scagelothamnion*, 32
turneri, *Spermothamnion*, 32
turuturu, *Grateloupia*, 54
typus, *Zanardinia*, 83

U

Ulothrix flacca, 63
Ulva clathrata, 63
Ulva compressa, 64
Ulva fenestrata, 64
Ulva intestinalis, 64
Ulva lactuca, 64
Ulva lactuca f. *genuina*, 65
Ulva lactuca f. *lapathifolia*, 65
Ulva lactuca f. *latissima*, 65
Ulva lactuca f. *pulvinata*, 65
Ulva lactuca f. *rigida*, 65
Ulva linza, 65
Ulva multiramosa, 65
Ulva muscoides, 64
Ulva polyclada, 65
Ulva prolifera, 65
Ulva pseudorotundata, 66
Ulva ralfsii, 66
Ulva ramulosa, 64
Ulvaria oxysperma, 62
Ulva rigida, 66
Ulva rigida var. *rigida*, 66
Ulva rotundata, 66
Ulva torta, 66
Ulvella lens, 66
Ulvella scutata, 67

Ulvella viridis, 67
Ulvopsis grevillei, 63
umbilicalis, *Porphyra*, 11
umbilicatum, *Microdictyon*, 71
uncinatum, *Acrosorium*, 35
uncinatum, *Nitophyllum*, 35
undulata, *Schizymeria*, 55
urceolata, *Polysiphonia*, 39
ustulatus, *Caulacanthus*, 62
utricularis, *Valonia*, 76
uvaria, *Chondria*, 52
uvaria, *Chrysomenia*, 52

V

Valonia macrophysa, 75
Valonia utricularis, 76
venulosum, *Acrosorium*, 34
vermiculata, *Mesogloia*, 89
vermilara, *Codium*, 68
verrucosa, *Gracilaria*, 47
verrucosa, *Jania*, 16
verrucosa, *Pseudoralisia*, 83
Vertebrata barbarae, 40
Vertebrata cymatophylla, 41
Vertebrata foetidissima, 41
Vertebrata fruticulosa, 41
Vertebrata fucoides, 41
Vertebrata furcellata, 41
Vertebrata hypnoides, 42
Vertebrata nigra, 42
Vertebrata reptabunda, 42
Vertebrata thuyoides, 42
Vertebrata tripinnata, 42
verticillata, *Dudresnaya*, 58
verticillata, *Ernodesmis*, 75
verticillatus, *Cladostephus*, 78
vesiculosus var. *spiralis*, *Fucus*, 84
Vickersia baccata, 24
vickersiae, *Lithophyllum*, 18
virescens, *Ectocarpus*, 87
virgata, *Corallina*, 17
virgata, *Jania*, 16
virgatum, *Ceramium*, 30
virgatum, *Halimnion*, 16
viridis, *Acrochaete*, 67

viridis, *Entocladia*, 67
viridis, *Entoderma*, 67
viridis, *Laurencia*, 45
viridis, *Ulvella*, 67
viscida, *Liagora*, 13
volubilis, *Dictyota* cf., 80
vulgare, *Sargassum*, 86
vulgare var. *diversifolium*, *Sargassum*, 86
vulgare var. *furcata*, *Sargassum*, 86
vulgare var. *lanceolata*, *Sargassum*, 86
vulgare var. *maculaeformis*, *Myrionema*, 89
vulgare var. *tenuifolium*, *Sargassum*, 86

W

webbiana, *Caulerpa*, 70
weizenbaurii, *Cladophora*, 75
woodwardii, *Hypoglossum*, 35
Wrangelia argus, 24
Wrangelia penicillata, 25
Wurdemannia miniata, 62

X

Xiphosiphonia ardreana, 37
Xiphosiphonia pennata, 37
Xiphosiphonia pinnulata, 38

Y

Yuzurua poiteau, 46

Z

Zanardinia collaris, 83
Zanardinia prototypus, 83
Zanardinia typus, 83
zonale, *Stypopodium*, 81
Zonaria dichotoma, 80
Zonaria dichotoma var. *intricata*, 80
Zonaria flava, 82
Zonaria pavonia, 81
Zonaria tournefortii, 81
zosteriae, *Cladosiphon*, 88
zosteriae, *Cladosiphon*, 90

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ISBN: 978 - 989 - 33 - 3480 - 5
eISSN: 978 - 989 - 33 - 3479 - 9