

CHECKLIST OF THE BENTHIC MARINE MACROALGAE OF THE AZORES

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A checklist of the benthic marine algae of the Azores is given, based on published records. This list comprises 307 species, of which 48 species of Chlorophyta, 66 species of Phaeophyta and 193 species of Rhodophyta.

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Apresenta-se uma lista das algas marinhas bentónicas dos Açores, compilada com base na bibliografia existente. Esta lista compreende 307 espécies, das quais 48 pertencem à divisão Chlorophyta, 66 à Phaeophyta e 193 à Rhodophyta.

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INTRODUCTION

A considerable number of years has elapsed since the first taxonomic studies of the Azorean marine algal flora were compiled by SCHMIDT (1931), and numerous taxonomic and nomenclatural changes have appeared in the literature since then. Moreover, recent research has added several new records.

This paper presents an updated checklist of the Azorean benthic marine algae (divisions Chlorophyta, Phaeophyta and Rhodophyta), based on the pertinent literature found on this subject. For each species, references are grouped according to the islands where the material was collected.

The arrangement of families and orders and the nomenclatural synopsis of the species follows that adopted by SOUTH & TITTLE (1986) with the modifications suggested by MAGGS & PUESCHEL (1989). Abbreviations of algal authorities follows BRUMMIT & POWELL (1992). Some new synonyms were given by SCHNETTER et al. (1987), GUIRY &

GARBARY (1990), SILVA & DECEW (1992), WYNNE & HEINE (1992) and HOMMERSAND et al. (1993). Genera are listed alphabetically under each family, and species are listed alphabetically under each genus. The material collected by Hochstetter in AGARDH (1870) and already referred to by SEUBERT (1844) is marked with [H]. The indication (E) before the species name refers to the endemic species given for the Azores by SCHMIDT (1931).

The record of *Grammatophora marina* Ktz., given for Pico island by PICCONE (1889) is considered *incaerta sedis* in this list and is not included in the number of species.

RESULTS

CHLOROPHYTA

DINOCAPSALES

GLOEODINIACEAE

Urococcus hookerianus Kützing - Flores (FRALICK & HEHRE 1990).

ULOTRICHALES

ULOTRICHACEAE

Ulothrix flacca (Dillwyn) Thur. in Jolis - Terceira (LARKUM 1960), São Miguel (SCHMIDT 1931; FRALICK & HEHRE 1990), Azores (SOUTH & TITTELEY 1986).

CTENOCLADALES

ULVELLACEAE

Acrochaete viridis (Reinke) R. Nielsen - Azores (SOUTH & TITTELEY 1986).

=*Entocladia viridis* Reinke - São Miguel (FRALICK & HEHRE 1990).

=*Entoderma viridis* (Reinke) Lagerh. - Faial (SCHMIDT 1931), São Miguel (SCHMIDT 1929a).

Pringsheimiella scutata (Reinke) Marchew - Faial (TITTELEY & NETO 1994).

Ulvella lens P. Crouan et H. Crouan - São Miguel (SCHMIDT 1929a; FRALICK & HEHRE 1990), Azores (SOUTH & TITTELEY 1986).

ULVALES

ULVACEAE

Enteromorpha compressa (L.) Grev. - Faial (SCHMIDT 1931; TITTELEY & NETO 1994), Graciosa (NETO 1989), São Miguel (PICCONE 1889; GAIN 1914; CASTRO & VIEGAS 1987; NETO 1991a, 1991b, 1992), Santa Maria (AGARDH 1870 [H]), Azores (SOUTH & TITTELEY 1986).

=*Ulva compressa* L. - Azores (SEUBERT 1844; DROUËT 1866; SAMPAIO 1904).

Enteromorpha intestinalis (L.) Link - Corvo (NETO & BALDWIN 1990), Flores (FRALICK & HEHRE 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; FRALICK & HEHRE 1990; TITTELEY & NETO 1994), Pico, São Jorge and Graciosa (FRALICK & HEHRE 1990), São Miguel (NETO 1991b, 1992; SCHMIDT 1931; BULLOCK et al. 1990; FRALICK & HEHRE 1990), Santa Maria (TRELEASE 1897; SCHMIDT 1931; FRALICK & HEHRE 1990; NETO et al. 1991), Azores (SOUTH & TITTELEY 1986).

=*Ulva intestinalis* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

Enteromorpha linza (L.) J. Agardh - Faial (FRALICK & HEHRE 1999; TITTELEY & NETO 1994), Pico

(FRALICK & HEHRE 1990), Terceira (FRALICK & HEHRE 1990), São Miguel (NETO 1991b, 1992), Santa Maria (SCHMIDT 1931; FRALICK & HEHRE 1990; NETO et al. 1991), Azores (SOUTH & TITTELEY 1986).

=*Ulva linza* L. - Azores (SEUBERT 1844; DROUËT 1866).

Enteromorpha prolifera (O. F. Müller) J. Agardh - Faial (TITTELEY & NETO 1994), Azores (SOUTH & TITTELEY 1986).

=*Ulva compressa* L. f. *prolifera* C. Agardh - Azores (SEUBERT 1844).

Enteromorpha ramulosa (Sm.) Hook. - Corvo (TRELEASE 1897; FRALICK & HEHRE 1990), Flores (GAIN 1914; FRALICK & HEHRE 1990; NETO & BALDWIN 1990), Faial and Pico (FRALICK & HEHRE 1990; TITTELEY & NETO 1994), Graciosa (GAIN 1914; NETO 1989; FRALICK & HEHRE 1990), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; FRALICK & HEHRE 1990; NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTELEY 1986).

=*Ulva ramulosa* Sm. - Azores (SEUBERT 1844; DROUËT 1866).

Enteromorpha torta (Mert. in Jürg.) Reinbold - São Miguel (NETO 1991b, 1992).

Ulva lactuca L. - São Jorge (PRYOR 1967), Terceira (LARKUM 1960), São Miguel (GAIN 1914; CASTRO & VIEGAS 1987), Azores (SEUBERT 1844; DROUËT 1866; TRELEASE 1897; PALMINHA 1957; SOUTH & TITTELEY 1986).

=*Ulva lactuca* L. f. *genuina* Hauck - Faial, Terceira and São Miguel (SCHMIDT 1929a; 1931).

=*Ulva lactuca* L. f. *latissima* (L.) DC. - São Miguel (SCHMIDT 1929a; 1931).

=*Ulva lactuca* L. f. *lapathifolia* (Aresch) Hauck - Terceira (SCHMIDT 1931).

=*Ulva lactuca* L. f. *rigida* (C. Agardh) Jolis - Flores (GAIN 1914), Terceira (SCHMIDT 1929a, 1931).

=*Ulva lactuca* L. f. *pulvinata* O. C. Schmidt - Faial, Terceira and São Miguel (SCHMIDT 1929a; 1931).

Ulva rigida C. Agardh - Corvo (NETO & BALDWIN 1990), Flores (TRELEASE 1897; FRALICK & HEHRE 1990; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TRELEASE 1897; FRALICK & HEHRE 1990; TITTELEY & NETO 1994), Pico (FRALICK & HEHRE 1990; TITTELEY & NETO 1994), Graciosa (NETO 1989), Terceira (FRALICK & HEHRE 1990), São Miguel (CASTRO & VIEGAS 1987; BULLOCK et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria

(AGARDH 1870 [H]; NETO et al. 1991), Azores (SEUBERT 1844; DROUËT 1866; ARDRÉ et al. 1974).

=*Ulva rigida* var. *rigida* J. Agardh - Faial and São Miguel (PICCONE 1897).

MONOSTROMATACEAE

Monostroma grevillei (Thur.) Wittr.

=*Ulvopsis grevillei* (Thur.) Gayral - São Miguel (CASTRO & VIEGAS 1987).

Blidingia marginata (J. Agardh) P. Dang.

=*Enteromorpha micrococca* Kützinger - Terceira (SCHMIDT 1929a).

Blidingia minima (Nägeli ex Kützinger) Kylin - Faial (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Pico (FRALICK & HEHRE 1990), São Miguel (NETO 1991b, 1992).

CLADOPHORALES

CLADOPHORACEAE

Chaetomorpha aerea (Dillwyn) Kützinger - Corvo and Flores (NETO & BALDWIN 1990), Faial (FRALICK & HEHRE 1990; TITTLE & NETO 1994), São Miguel (FRALICK & HEHRE 1990; NETO 1991b, 1992), Azores (SOUTH & TITTLE 1986).

=*Chaetomorpha aerea* (Dillwyn) Kützinger f. *fibrosa* Kuetz - São Miguel (GAIN 1914).

=*Chaetomorpha area* (Dillwyn) Kützinger f. *crassa* Kützinger - São Miguel (GAIN 1914).

Chaetomorpha capillaris (Kützinger) Børgesen - Faial (TITTLE & NETO 1994).

Chaetomorpha crassa (C. Agardh) Kützinger - Terceira (SCHMIDT 1931; FRALICK & HEHRE 1990), São Miguel (SCHMIDT 1931), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Chaetomorpha fibrosa Kützinger - São Miguel (PICCONE 1889), Azores (SOUTH & TITTLE 1986).

Chaetomorpha linum (O. F. Müller) Kützinger - Corvo (FRALICK & HEHRE 1990), Faial (TITTLE & NETO 1994), Flores (GAIN 1914; FRALICK & HEHRE 1990), Terceira and São Miguel (SCHMIDT 1931; FRALICK & HEHRE 1990), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

=*Conferva linum* Roth - Azores (SEUBERT 1844; DROUËT 1866).

Chaetomorpha pachynema Mont. - Faial (SCHMIDT 1929a; FRALICK & HEHRE 1990; TITTLE & NETO 1994), Pico (TITTLE & NETO 1994), Terceira (FRALICK & HEHRE 1990), São Miguel (NETO 1991b, 1992), Azores (SOUTH & TITTLE 1986).

Cladophora albida (Huds.) Kützinger - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Terceira (FRALICK & HEHRE 1990), São Miguel (FRALICK & HEHRE 1990; NETO 1991b, 1992).

Cladophora coelothrix Kützinger - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Terceira (FRALICK & HEHRE 1990), São Miguel (NETO 1991b, 1992), Santa Maria (FRALICK & HEHRE 1990; NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

=*Conferva repens* J. Agardh - Santa Maria (AGARDH 1870).

Cladophora laetevirens (Dillwyn) Kützinger - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (FRALICK & HEHRE 1990), Santa Maria (FRALICK & HEHRE 1990; NETO et al. 1991).

(E) *Cladophora michaelensis* O. C. Schmidt - São Miguel (SCHMIDT 1929a), Azores (SOUTH & TITTLE 1986).

Cladophora prolifera (Roth) Kützinger - Corvo (TRELEASE 1897; FRALICK & HEHRE 1990; NETO & BALDWIN 1990), Flores (GAIN 1914; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TRELEASE 1897; SCHMIDT 1931; TITTLE & NETO 1994), Graciosa (NETO 1989), Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1931), São Miguel (GAIN 1914; SCHMIDT 1931; NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1974; SOUTH & TITTLE 1986).

=*Conferva prolifera* Roth - Azores (SEUBERT 1844; DROUËT 1866).

=*Conferva prolifera* Roth var. *fastigiata* (H) - Santa Maria (AGARDH 1870 [H]).

=*Cladophora catenata* (Agardh) Ardiss. - Faial and Terceira (SCHMIDT 1931), São Miguel (GAIN 1914), Azores (SOUTH & TITTLE 1986).

=*Conferva catenata* L. (Roth) - Azores (SEUBERT 1844; DROUËT 1866).

Cladophora rupestris (L.) Kützinger - Terceira (LARKUM 1960).

(E) *Cladophora theotonii* O. C. Schmidt - Terceira and São Miguel (SCHMIDT 1929a), Azores (SOUTH & TITTLLEY 1986).

(E) *Cladophora weizenbaui* O. C. Schmidt - Faial (SCHMIDT 1929a), Terceira (LARKUM 1960), Azores (SOUTH & TITTLLEY 1986).

Rhizoclonium africanum Kützinger - São Miguel (NETO 1991b, 1992), Azores (SOUTH & TITTLLEY 1986).

=*Rhizoclonium hookeri* Kützinger - Faial and São Miguel (SCHMIDT 1929a; FRALICK & HEHRE 1990).

ANADYOMENACEAE

Anadyomene stellata (Wulfen) C. Agardh - Faial (TITTLLEY & NETO 1994), Pico (FRALICK & HEHRE 1990; TITTLLEY & NETO 1994).

SIPHONOCLADALES

SIPHONOCLADACEAE

Cladophoropsis membranacea (C. Agardh) Børgesen - Faial and Pico (TITTLLEY & NETO 1994), Azores (SOUTH & TITTLLEY 1986).

Struvea anastomosans (Harv.) Picc. et Grunov ex Picc. - Azores (ARDRÉ et al. 1973; SOUTH & TITTLLEY 1986).

VALONIACEAE

Ernodesmis verticillata (Kützinger) Børgesen - Terceira (FRALICK & HEHRE 1990).

Microdictyon calodictyon (Mont.) Duchesne - Faial (TITTLLEY & NETO 1994), Terceira (FRALICK & HEHRE 1990).

Valonia utricularis (Roth) C. Agardh - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1929a, 1931; FRALICK & HEHRE 1990; TITTLLEY & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1929a, 1931; LARKUM 1960; FRALICK & HEHRE 1990), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991), Azores (ARDRÉ et al. 1974; SOUTH & TITTLLEY 1986).

BRYOPSIDALES

BRYOPSIDACEAE

Bryopsis hypnoides J. V. Lamour. - Flores (NETO & BALDWIN 1990), Faial (TITTLLEY & NETO 1994).

(E) *Bryopsis penicillata* Suhr - São Miguel (GAIN 1914; SCHMIDT 1931), Azores (SEUBERT 1844; DROUËT 1866; TRELEASE 1897; SAMPAIO 1904; SOUTH & TITTLLEY 1986).

Bryopsis plumosa (Huds.) C. Agardh - Flores (FRALICK & HEHRE 1990), Faial (TITTLLEY & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960; FRALICK & HEHRE 1990), São Miguel (GAIN 1914; SCHMIDT 1931; FRALICK & HEHRE 1990; NETO 1991b, 1992), Azores (SOUTH & TITTLLEY 1986).

Derbesia furcellata (Zanardini) Ardis. - Faial (SCHMIDT 1929a; TITTLLEY & NETO 1994), Azores (SOUTH & TITTLLEY 1986).

=*Pseudochlorodesmis furcellata* (Zanardini) Børgesen - Faial (FRALICK & HEHRE 1990).

Pedobesia lamourouxii (J. Agardh) J. Feldmann, Loreau, Codomier et Coute

=*Derbesia lamourouxii* (J. Agardh) Sol. - Pico (FRALICK & HEHRE 1990).

UDOTEACEAE

Halimeda tuna (Ellis et Sol.) J. V. Lamour. - Flores (FRALICK & HEHRE 1990).

CODIACEAE

Codium adhaerens C. Agardh - Corvo (NETO & BALDWIN 1990), Flores (GAIN 1914; FRALICK & HEHRE 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; FRALICK et al. 1985; FRALICK & HEHRE 1990; TITTLLEY & NETO 1994), Pico (PALMINHA 1957; FRALICK et al. 1985; FRALICK & HEHRE 1990; TITTLLEY & NETO 1994), São Jorge (PRYOR 1967; FRALICK & HEHRE 1990), Graciosa (NETO 1989; FRALICK & HEHRE 1990), Terceira (SCHMIDT 1931; FRALICK & HEHRE 1990), São Miguel (BULLOCK et al. 1990; HAWKINS et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria (TRELEASE 1897; FRALICK & HEHRE 1990; NETO et al. 1991), Azores (ARDRÉ et al. 1974; SOUTH & TITTLLEY 1986).

Codium bursa (L.) J. Agardh - Santa Maria (AGARDH 1870; FRALICK & HEHRE 1990), Azores (SOUTH & TITTLE 1986).

Codium decorticatum (Woodw.) Howe - Faial (SCHMIDT 1929a; FRALICK & HEHRE 1990; TITTLE & NETO 1994), Pico (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Terceira (FRALICK & HEHRE 1990), Azores (SOUTH & TITTLE 1986).

(E) *Codium elisabethae* O. C. Schmidt - Faial (SCHMIDT 1929a; FRALICK & HEHRE 1990; TITTLE & NETO 1994), Pico (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Terceira (LARKUM 1960; FRALICK & HEHRE 1990), São Miguel (NETO 1991a), Azores (SOUTH & TITTLE 1986).

Codium tomentosum Stackh. - Faial (FRALICK & HEHRE 1990), Pico (FRALICK & HEHRE 1990; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (TRELEAVE 1897; SAMPAIO 1904; SCHMIDT 1931; LARKUM 1960; FRALICK & HEHRE 1990), Santa Maria (NETO et al. 1991), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).

PHAEOPHYTA

ECTOCARPALES

ECTOCARPACEAE

Ectocarpus fasciculatus Harvey - Faial and Pico (TITTLE & NETO 1994).

Ectocarpus siliculosus (Dillwyn) Lyngbye - Azores (SOUTH & TITTLE 1986).

Ectocarpus virescens (Thur.) Sauv. - Terceira (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

Feldmannia cf. *irregularis* (Kützinger) Hamel - Faial (TITTLE & NETO 1994).

Feldmannia cf. *padinae* (Biffh.) Hamel - Faial (TITTLE & NETO 1994).

Spongonema tomentosum (Huds.) Kützinger - São Miguel (NETO 1991b).

RALFSIACEAE

Ralfsia cf. *verrucosa* (Aresch.) J. Agardh - Faial and Pico (TITTLE & NETO 1994).

MYRIONEMETACEAE

Hecatonema sp. - Faial (TITTLE & NETO 1994).

Myrionema strangulans Grev. - Faial (TITTLE & NETO 1994), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

= *Myrionema vulgare* var. *maculaeformis* Thur. - Faial (PICCONE 1889).

ELACHISTACEAE

Elachista flaccida (Dillwyn) Aresch - Pico (TITTLE & NETO 1994).

CHORDARIALES

LEATHESIACEAE

Petrospongia berkeleyi (Grev. in Berkeley) Nägeli in Kützinger. - Faial (TITTLE & NETO 1994).

= *Cylindrocarpus berkeleyi* (Grev.) P. Crouan - São Miguel (CASTRO & VIEGAS 1987), ?Azores (SOUTH & TITTLE 1986).

Leathesia difformis (L.) Aresch. - Faial (SCHMIDT 1931; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira and São Miguel (SCHMIDT 1931), Santa Maria (TRELEAVE 1897; NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Myriactula cf. *stellulata* (Harvey) Levring - Faial (TITTLE & NETO 1994).

CHORDARIACEAE

Chordaria cf. *divaricata* C. Agardh - São Miguel (NETO 1991a).

Cladosiphon zosterae (J. Agardh) Kylin

= *Cladosiphon occidentalis* Kylin - Terceira (LARKUM 1960).

Liebmanian leveillei J. Agardh - Flores (GAIN 1914), Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

= *Mesogloia leveillei* Menegh. - Corvo (TRELEAVE 1897).

Mesogloia cf. *lanosa* P. Crouan et H. Crouan - Faial (TITTLE & NETO 1994).

CUTLERIALES

CUTLERIACEAE

Cutleria multifida (Sm.) Grev. - Flores (NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTLE & NETO 1994), Terceira (SCHMIDT 1931; LARKUM 1960), Azores (SOUTH & TITTLE 1986).

Phase *Aglauzonion parvula* (Grev.) Zanardini - Santa Maria (AGARDH 1870).

Zanardinia prototypus Nardo - Azores (SOUTH & TITTLE 1986).

= *Zanardinia collaris* (C. Agardh) P. Crouan et H. Crouan - São Miguel (SCHMIDT 1929a).

SPHACELARIALES

SPHACELARIACEAE

Sphacelaria cirrosa (Roth) C. Agardh - Faial (TITTLE & NETO 1994), Santa Maria (AGARDH 1870), Azores (SOUTH & TITTLE 1986).

Sphacelaria fusca (Hudson) S.F. Gray - Faial (TITTLE & NETO 1994).

Sphacelaria hystrix Suhr - Terceira and São Miguel (SCHMIDT 1929a).

Sphacelaria cf. *nana* Kützinger - Pico (TITTLE & NETO 1994).

Sphacelaria plumula Holmes - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

Sphacelaria cf. *rigidula* Kützinger - Faial (TITTLE & NETO 1994).

Sphacelaria tribuloides Menegh. - Faial and Pico (TITTLE & NETO 1994), São Miguel (TRELEASE 1897; GAIN 1914; SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

Sphacelaria pennata C. Agardh - Azores (SEUBERT 1844).

STYPOCAULACEAE

Halopteris filicina (Grat.) Kützinger - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985), São Jorge (PRYOR 1967), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; BULLOCK et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (ARDRÉ et al. 1974; SOUTH & TITTLE 1986).

= *Sphacelaria filicina* C. Agardh - Santa Maria (AGARDH 1870 [H]); Azores (SEUBERT 1844; DROUËT 1866).

Halopteris scoparia (L.) Sauv. - Corvo (NETO & BALDWIN 1990), Flores (GAIN 1914; NETO &

AZEVEDO 1990; NETO & BALDWIN 1990). Faial (SCHMIDT 1931; FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; CASTRO & VIEGAS 1987; BULLOCK et al. 1990; NETO 1991b, 1992), Santa Maria (NETO et al. 1991; Azores (ARDRÉ et al. 1974; SOUTH & TITTLE 1986).

= *Sphacelaria scoparia* Agardh - Faial and São Miguel (PICCONE 1889), Santa Maria (AGARDH 1870 [H]), Azores (SEUBERT 1844; DROUËT 1866).

= *Sphacelaria scoparia* Lyngbye var. *pennata* Agardh - Azores (SEUBERT 1844).

= *Stypocaulon scoparium* Kützinger - Corvo (TRELEASE 1897), Faial (TRELEASE 1897).

= *Ceranium scoparium* DC. - Santa Maria (DROUËT 1866), Azores (DROUËT 1866).

CLADOSTEPHACEAE

Cladostephus spongiosus (Huds.) C. Agardh - Flores (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; NETO 1991a), Santa Maria (NETO et al. 1991), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).

= *Cladostephus verticillatus* (Lightf.) C. Agardh - Flores (GAIN 1914; NETO & BALDWIN 1990), Faial (PICCONE 1889; SCHMIDT 1931), Terceira (SCHMIDT 1931), São Miguel (GAIN 1914), Santa Maria (AGARDH 1870).

DICTYOTALES

DICTYOTACEAE

Dictyopteris membranacea (Stackh.) Batters - Faial (TITTLE & NETO 1994), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

= *Dictyopteris polypodioides* J. V. Lamour. - Terceira (LARKUM 1960).

= *Halyseris polypodioides* C. Agardh - Santa Maria (AGARDH 1870), Formigas (PICCONE 1889).

Dictyota adnata Zanardini - Faial (TITTLE & NETO 1994).

= *Dictyota bartayresii* J. V. Lamour. - Flores (NETO & AZEVEDO 1990), São Miguel (NETO 1991a, 1991b; 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Dictyota ciliata J. Agardh - Azores (SOUTH & TITTLE 1986).

- =*Dictyota ciliolata* Sonder ex Kützinger - Santa Maria (NETO et al. 1991).
- Dictyota dichotoma* (Huds.) J. V. Lamour. - Flores (NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTELEY & NETO 1994), Pico (TITTELEY & NETO 1994), Graciosa (NETO 1989), Terceira (LARKUM 1960), São Miguel (SCHMIDT 1931; NETO 1991a), Azores (SOUTH & TITTELEY 1986).
- =*Dichyota dichotoma* (Huds.) J. V. Lamour. f. *attenuata* (Kützinger) De Toni - Faial and Terceira (SCHMIDT 1931).
- =*Dictyota dichotoma* (Huds.) J. V. Lamour. f. *intricata* (Kützinger) C. Agardh - São Miguel (SCHMIDT 1931); =*Dictyota cervicornis* Kützinger - ?Azores (SOUTH & TITTELEY 1986).
- =*Zonaria dichotoma* (Huds.) C. Agardh - Azores (SEUBERT 1844; TRELEASE 1897; SAMPAIO 1904).
- =*Zonaria dichotoma* (Huds.) C. Agardh var. *intricata* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).
- Dictyota implexa* J. V. Lamour. - Santa Maria (AGARDH 1870 [H]).
- Dictyota liturata* J. Agardh - Azores (TITTELEY, pers. comm.).
- Dictyota* cf. *volubilis* Kützinger sensu Vickers - Santa Maria (NETO et al. 1991).
- Dictyota menstrualis* (Hoyt) Schnetter, Mürning & Weber-Peukert - Azores (TITTELEY, pers. comm.).
- Dilophus fasciola* (Roth) Howe - Azores (TITTELEY, pers. comm.).
- Lobophora variegata* (J.V. Lamour.) Womersley - Faial and Pico (TITTELEY & NETO 1994), Azores (SOUTH & TITTELEY 1986).
- =*Zonaria variegata* (J.V. Lamour.) C. Agardh - Formigas (PICCONE 1889).
- Padina pavonica* (L.) J.V. Lamour. - Corvo (TRELEASE 1897), Flores (GAIN 1914; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTELEY & NETO 1994), Pico (TITTELEY & NETO 1994), Graciosa (NETO 1989), Terceira (TRELEASE 1897; SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; BULLOCK et al. 1990; NETO 1991b, 1992), Santa Maria (AGARDH 1870 [H]; TRELEASE 1897[seen but not collected]; NETO et al. 1991), Azores (ARDRE et al. 1974; SOUTH & TITTELEY 1986).
- =*Zonaria pavonia* Agardh - Corvo and Santa Maria (SAMPALIO 1904), Azores (DROUËT 1866).
- Spatoglossum schroederi* (C. Agardh) Kützinger - ?Azores (SOUTH & TITTELEY 1986).
- Taonia atomaria* (Woodw.) J. Agardh - Faial and Terceira (SCHMIDT 1931), São Miguel (GAIN 1914; SCHMIDT 1931), Santa Maria (AGARDH 1870), Azores (SOUTH & TITTELEY 1986).
- Zonaria tournefortii* (J. V. Lamour.) Mont. - Corvo (NETO & BALDWIN 1990), Faial (TITTELEY & NETO 1994), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990; Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1973; ARDRÉ et al. 1974; SOUTH & TITTELEY 1986).
- =*Zonaria flava* Agardh - Flores (GAIN 1914), Faial and Pico (PICCONE 1889), Graciosa (TRELEASE 1897), São Miguel (PICCONE 1889), Santa Maria (AGARDH 1870 [H]), Formigas (PICCONE 1889), Azores (SEUBERT 1844; DROUËT 1866).
- SPOROCHNALES
- SPOROCHNACEAE
- Carpomitra costata* (Stackh.) Batters - Faial (TITTELEY & NETO 1994), Azores (SOUTH & TITTELEY 1986).
- =*Carpomitra cabreriae* (Clemente) Kützinger - Terceira (LARKUM 1960), Formigas (PICCONE 1889).
- Sporochnus pedunculatus* (Huds.) C. Agardh - São Miguel (NETO 1991b, 1992).
- DICTYOSIPHONALES
- PONCTARIACEAE
- Endarachne binghamiae* J. Agardh - Faial Pico (TITTELEY & NETO 1994).
- SCYTOSIPHONACEAE
- Colpomenia peregrina* Sauv. - ?Azores (SOUTH & TITTELEY 1986).
- Colpomenia sinuosa* (Roth) Derbès et Solier - Corvo (TRELEASE 1897; NETO & BALDWIN 1990), Flores (GAIN 1914; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial and Pico (TITTELEY & NETO 1994), São Miguel (GAIN 1914; NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTELEY 1986).
- =*Asperococcus sinuosus* J. Agardh - Santa Maria (AGARDH 1870).

Hydroclathrus clathratus (Bory) Howe - Faial (TITTLE & NETO 1994), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Petalonia fascia (O. F. Müller) Kuntze - São Miguel (CASTRO & VIEGAS 1987; NETO 1991a), Azores (SOUTH & TITTLE 1986).

= *Phyllis fascia* (Muell.) Kützinger - São Miguel (GAIN 1914).

Scytosiphon lomentaria (Lyngbye) Link - Azores (SOUTH & TITTLE 1986).

= *Scytosiphon lomentarius* (Lyngbye) J. Agardh - São Miguel (GAIN 1914).

LAMINARIALES

LAMINARIACEAE

Laminaria cf. *ochroleuca* Bach. Pyl. - Formigas (ARDRE et al. 1973), Azores (SOUTH & TITTLE 1986).

FUCALES

FUCACEAE

Ascophyllum nodosum (L.) Jolis - Recorded as drift plants on Faial (TRELEASE 1897; TITTLE & NETO 1994), Pico (TRELEASE 1897), Graciosa (NETO 1989), Terceira (TRELEASE 1897; SCHMIDT 1929a; LARKUM 1960), São Miguel (TRELEASE 1897 [seen but not collected]; GAIN 1914; SCHMIDT 1929a), Santa Maria (TRELEASE 1897 [seen but not collected]).

= *Fucus nodosus* C. Agardh - Azores (DROUËT 1866; SEUBERT 1844; TRELEASE 1897; SAMPAIO 1904).

Fucus ceranoides L. - Azores (DROUËT 1866; SOUTH & TITTLE 1986).

Fucus spiralis L. - Graciosa (NETO 1989), Pico (TITTLE & NETO 1994), Terceira (LARKUM 1960), São Miguel (CASTRO & VIEGAS 1987; BULLOCK et al. 1990; HAWKINS et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

= *Fucus spiralis* L. var. *platycarpus* (Thur.) Batters - Faial (SCHMIDT 1931), Pico (PALMINHA 1957), Terceira, São Miguel (SCHMIDT 1931).

= *Fucus platycarpus* Thur. var. *spiralis* L. - Flores and São Miguel (GAIN 1914).

Fucus vesiculosus L. - Terceira (TRELEASE 1897), Santa Maria (TRELEASE 1897 [seen but not

collected]), SAMPAIO 1904), ?Azores (SOUTH & TITTLE 1986).

= *Fucus vesiculosus* C. Agardh var. *spiralis* C. Agardh - Azores (DROUËT 1866; SEUBERT 1844).

SARGASSACEAE

Sargassum cymosum C. Agardh - Faial and Pico (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

Sargassum desfontainesii (Turner) J. Agardh - Santa Maria (AGARDH 1870), Azores (SOUTH & TITTLE 1986).

Sargassum natans (L.) Meyen - Azores (SOUTH & TITTLE 1986).

= *Sargassum bacciferum* C. Agardh - São Miguel (GAIN 1914), Azores (SEUBERT 1844; DROUËT 1866).

= *Fucus natans* DC. - Azores (DROUËT 1866).

Sargassum sp. (rosette form) - Faial (TITTLE & NETO 1994).

Sargassum vulgare C. Agardh - Faial and Pico (TITTLE & NETO 1994), São Miguel (BULLOCK et al. 1990), Azores (SOUTH & TITTLE 1986).

= *Sargassum vulgare* C. Agardh var. *diversifolium* J. Agardh - Flores and São Miguel (GAIN 1914).

= *Sargassum vulgare* C. Agardh var. *furcata* - Faial (SCHMIDT 1931).

= *Sargassum vulgare* C. Agardh var. *lanceolata* - Faial, Terceira and São Miguel (SCHMIDT 1931).

= *Sargassum vulgare* C. Agardh var. *tenuifolium* - Azores (SEUBERT 1844; DROUËT 1866).

= *Sargassum endiviofolium* Bory - Santa Maria (AGARDH 1870).

= *Sargassum fissifolium* Mont. - Corvo (TRELEASE 1897), Terceira (TRELEASE 1897; SAMPAIO 1904), São Miguel (TRELEASE 1897).

= *Sargassum stenophyllum* G. Martens - Azores (SEUBERT 1844; DROUËT 1866).

CYTOSEIRACEAE

Cystoseira abies-marina (S. G. Gmel.) C. Agardh - Faial (SCHMIDT 1931; TITTLE & NETO 1994), Terceira (TRELEASE 1897; SAMPAIO 1904; SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931), Santa Maria (AGARDH 1870 [H]), Formigas (PICCONE 1889), Azores (SEUBERT 1844; DROUËT 1866; ARDRE et al. 1973; SOUTH & TITTLE 1986).

Cystoseira compressa (Esper) Gerl. et Nizam. - São Miguel (BULLOCK et al. 1990), Azores (SOUTH &

TITTLE 1986).

= *Cystoseira fimbriata* (Desf.) Bory - Azores (ARDRE et al. 1974).

Cystoseira foeniculaceus (L.) Grev. - Faial (TITTLE & NETO 1994), São Miguel (NETO 1991a), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

= *Cystoseira abrotanifolia* C. Agardh - Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (TRELEASE 1897; SAMPAIO 1904; GAIN 1914; SCHMIDT 1931), Azores (SEUBERT 1844; DROUET 1866).

Cystoseira humilis Kützinger - Flores (NETO & BALDWIN 1990), Pico (TITTLE & NETO 1994), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Cystoseira tamariscifolia (Huds.) Papenf. - Faial (TITTLE & NETO 1994), Graciosa (NETO 1989), São Miguel (BULLOCK et al. 1990; NETO 1991a), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

RHODOPHYTA

SUB-CLASS BANGIOPHYCIDAE

PORPHYRIDIALES

GONIOTRICHACEAE

Stylonema alsidii (Zanardini) Drew - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

= *Goniotrichum elegans* (Chauv.) Zanardini - Faial (SCHMIDT 1929a), Terceira (SCHMIDT 1929a; LARKUM 1960), São Miguel (SCHMIDT 1929a).

BANGIALES

ERYTHROPELTIDACEAE

Erythrotrichia carnea (Dillwyn) J. Agardh - Faial and Pico (TITTLE & NETO 1994).

BANGIACEAE

Bangia atropurpurea (Roth) C. Agardh - Azores (SOUTH & TITTLE 1986).

= *Bangia fuscopurpurea* (Dillwyn) Lyngbye - Faial (SCHMIDT 1929a), Terceira (SCHMIDT 1929a; 1931; LARKUM 1960), São Miguel (SCHMIDT 1929a, 1931).

Porphyra leucosticta Thur. in Jolis - Pico (PALMINHA 1957), Azores (SOUTH & TITTLE 1986).

= *Porphyra atropurpurea* (Oliv.) De Toni - Terceira (SCHMIDT 1929a; LARKUM 1960), São Miguel (SCHMIDT 1929a).

Porphyra umbilicalis (L.) J. Agardh - Faial (TITTLE & NETO 1994), São Miguel (NETO 1991).

SUB-CLASS FLORIDIOPHYCIDAE

NEMALIALES

ACROCHAETIACEAE

Acrochaetium cheminii Feldmann - Azores (ARDRE et al. 1973).

Audouinella crassipes (Borgesen) Garbary - Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

Rhodochorton purpureum [NB syn *Audouinella purpurea*] (Lightfoot) Rosenv.

= *Rhodochorton ruthi* - Terceira (LARKUM 1960).

HELMINTHOCLADIACEAE

Liagora distenta (Mert.) C. Agardh - Pico (TITTLE & NETO 1994).

Liagora divaricata C. K. Tseng - São Miguel (BULLOCK et al. 1990), Azores (SOUTH & TITTLE 1986).

Liagora viscida (Forssk.) C. Agardh - Faial (TITTLE & NETO 1994), Terceira (SCHMIDT 1931), São Miguel (GAIN 1914; SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

NEMALIACEAE

Nemalion helminthoides (Vellay in With.) Batters - Corvo (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Pico (PALMINHA 1957; TITTLE & NETO 1994), São Miguel (HAWKINS et al. 1990; NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

= *Nemalion lubricum* Duby - Faial (SCHMIDT 1931), Terceira (TRELEASE 1897; SAMPAIO 1904; SCHMIDT 1931; LARKUM 1960), São Miguel (SCHMIDT 1931).

CHAETANGIACEAE

Scinaia forcellata (Turner) Biv. - Terceira (SCHMIDT 1931), São Miguel (NETO 1991a), Santa Maria

(NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Scinaia turgida Chemin - Faial and São Jorge (FREDERICQ et al. 1992); São Miguel (NETO 1991a).

BONNEMAISONIACEAE

Asparagopsis armata Harv. - Corvo (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Graciosa (NETO 1989), São Miguel (BULLOCK et al. 1990; NETO 1991a; 1991b), Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

=*Asparagopsis delilei* Mont. - Faial (SCHMIDT 1929b), Terceira (SCHMIDT 1929b; LARKUM 1960), São Miguel (SCHMIDT 1929b).

Phase *Falkenbergia rufolanosa* (Harv.) F. Schmitz - Corvo and Flores (NETO & BALDWIN 1990), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991).

=*Falkenbergia hillebrandii* (Bornet) Falkenb. - Faial (SCHMIDT 1929b), Terceira (LARKUM 1960), São Miguel (SCHMIDT 1929b).

Asparagopsis taxiformis (Delile) Trevis - ?Azores (SOUTH & TITTLE 1986).

Bonnemaïsonia hamifera Har. - Faial (TITTLE & NETO 1994), Graciosa (NETO 1989).

GELIDIACEAE

Gelidium latifolium (Grev.) Bornet et Thur. - Faial (PICCONE 1889; SCHMIDT 1931; FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1931), São Miguel (PICCONE 1889; GAIN 1914; SCHMIDT 1931; NETO 1991a, 1991b, 1992), Azores (ARDRE et al. 1974; SOUTH & TITTLE 1986).

=*Gelidium latifolium* (Grev.) Bornet et Thur. var. *hystrix* - Terceira (SCHMIDT 1931).

=*Gelidium corneum* (Huds.) J. V. Lamour. - Faial and São Miguel (SCHMIDT 1931), Terceira (TRELEASE 1897; SAMPAIO 1904; SCHMIDT 1931).

=*Sphaerococcus corneus* C. Agardh - Azores (SEUBERT 1844; DROUET 1866).

=*Sphaerococcus corneus* C. Agardh var. *pinnatus* C. Agardh - Azores (SEUBERT 1844).

=*Sphaerococcus corneus* C. Agardh var. *pulchellus* C. Agardh - Azores (SEUBERT 1844).

Gelidium microdon Kützinger - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial

(TITTLE & NETO 1994), São Miguel (NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

=*Gelidium spinulosum* (C. Agardh) J. Agardh - Corvo (TRELEASE 1897) Flores (GAIN 1914), Faial (SCHMIDT 1931), Pico (PALMINHA 1957), Graciosa (NETO 1989), Terceira (SCHMIDT 1931), São Miguel (PICCONE 1889; GAIN 1914; SCHMIDT 1931; BULLOCK et al. 1990).

=*Gelidium spinulosum* (C. Agardh) J. Agardh var. *microdon* Kützinger - São Miguel (PICCONE 1889).

=*Gelidium spinulosum* (C. Agardh) J. Agardh var. *oxyacanthum* J. Agardh - São Miguel (TRELEASE 1897), Santa Maria (AGARDH 1870 [H]).

=*Gelidium pulchellum* (Turner) Kützinger - São Miguel (HAWKINS et al. 1990).

=*Sphaerococcus corneus* var. *spinulosus* Agardh - Azores (SEUBERT 1844).

Gelidium pusillum (Stackh.) Le Jolis - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Terceira (SCHMIDT 1929a), São Miguel (SCHMIDT 1929a; CASTRO & VIEGAS 1987; NETO 1991a, 1991b, 1992), Azores (SOUTH & TITTLE 1986).

=*Gelidium pusillum* (Stackh.) Le Jolis var. *umbrosa* O.C. Schmidt - Terceira (SCHMIDT 1931).

=*Gelidium filicinum* Bory - Terceira (TRELEASE 1897; SAMPAIO 1904).

Gelidium sesquipedale (Turner) Thur. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Pico (TITTLE & NETO 1994), São Miguel (CASTRO & VIEGAS 1987), Azores (SOUTH & TITTLE 1986).

Pterocladia capillacea (S. G. Gmel.) Bornet et Thur. - Corvo (NETO & BALDWIN 1990), Flores (TRELEASE 1897; SAMPAIO 1904; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (PICCONE 1889; SCHMIDT 1931; FRALICK et al. 1985; TITTLE & NETO 1994), Pico (PICCONE 1889; FRALICK et al. 1985; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (TRELEASE 1897), São Miguel (PICCONE 1889; GAIN 1914; SCHMIDT 1931; CASTRO & VIEGAS 1987; BULLOCK et al. 1990; HAWKINS et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria (TRELEASE 1897; SAMPAIO 1904; NETO et al. 1991), Azores (ARDRE et al. 1973, 1974; SOUTH & TITTLE 1986).

=*Pterocladia pinnata* (Huds.) Papenf. - Pico (PALMINHA 1957).

GELIDIALLACEAE

Gelidiella cf. *acerosa* (Forssk.) J. Feldm. et Hamel - Faial and Pico (TITTLE & NETO 1994).

Gelidiella cf. *tenuissima* J. Feldmann et Hamel - Faial (TITTLE & NETO 1994).

PALMARIALES

PALMARIACEAE

Palmaria palmata (L.) Kuntze - São Miguel (NETO 1991a, 1991b, 1992), Azores (South & TITTLE 1986).

= *Rhodymenia palmata* (L.) Grev. - Graciosa (NETO 1989), Terceira (LARKUM 1960).

CRYPTONEMIALES

ACROSYPHYTACEAE

Acrosyphyton purpuriferum (J. Agardh) Sjöstedt - Faial, Terceira and São Miguel (Fredericq et al. 1992).

CRYPTONEMIACEAE

Cryptonemia lomation (Bertolini) J. Agardh - São Miguel (Fredericq et al. 1992).

Grateloupia dichotoma J. Agardh - Faial and Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1929b; LARKUM 1960), São Miguel (SCHMIDT 1929a).

Grateloupia filicina (J. V. Lamour.) C. Agardh - Flores (NETO & BALDWIN 1990), São Jorge (PRYOR 1967), Terceira (LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1929a; NETO 1991a), Santa Maria (NETO et al. 1991), Azores (South & TITTLE 1986).

KALLYMENIACEAE

Kallymenia reniformis (Turner) J. Agardh - Faial (TITTLE & NETO 1994), Flores (NETO & BALDWIN 1990), São Miguel (NETO 1991a), Azores (South & TITTLE 1986).

= *Callymenia reniformis* (Turner) J. Agardh - São Miguel (SCHMIDT 1931).

= *Halymenia reniformis* C. Agardh - Azores (SEUBERT 1844; DROUET 1866).

Meredithia microphylla (J. Agardh) J. Agardh - Santa Maria (NETO et al. 1991), Azores (South & TITTLE 1986).

GLOIOSIPHONACEAE

Schimmelmannia ornata Schoesboe in Kützing - Faial and Pico (Fredericq et al. 1992).

PEYSSONNELIACEAE

Peyssonnelia coriacea Feldmann - São Miguel (BULLOCK et al. 1990).

Peyssonnelia polymorpha (Zanardini) F. Schmitz in Falkenb. - Azores (ARDRE et al. 1973; South & TITTLE 1986).

Peyssonnelia rosa-marina Boudour. et Denizot - Azores (ARDRE et al. 1973; South & TITTLE 1986).

Peyssonnelia squamaria (S. G. Gmel.) Decaisne - Faial (FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985), Terceira (TRELEA 1897; SAMPAIO 1904), Santa Maria (AGARDH 1870), Azores (South & TITTLE 1986).

HILDENBRANDIALES

HILDENBRANDIACEAE

Hildenbrandia canariensis Børgesen - ?Azores (South & TITTLE 1986).

Hildenbrandia rubra (Sommerf.) Menegh. - Faial (TITTLE & NETO 1994).

CORALLINALES

CORALLINACEAE

Amphiroa beauvoisii J. V. Lamour. - Faial (SCHMIDT 1931; TITTLE & NETO 1994), Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1931), Azores (South & TITTLE 1986).

= *Amphiroa exilis* Harv. - Faial (PICONE 1889), Santa Maria (AGARDH 1870).

Amphiroa cryptarthrodia Zanardini - Faial (SCHMIDT 1931; TITTLE & NETO 1994), Azores (South & TITTLE 1986).

Amphiroa fragilissima (L.) Lamour. - Azores (South & TITTLE 1986).

Amphiroa rigida J. V. Lamour. - Faial (TITTLE & NETO 1994), Azores (South & TITTLE 1986).

Corallina elongata Ellis et Sol. - Faial (TITTLE & NETO 1994). São Miguel (CASTRO & VIEGAS 1987). Azores (SOUTH & TITTLE 1986).

=*Corallina mediterranea* Aresch. - Azores (ARDRE et al. 1974).

Corallina officinalis L. - Corvo (NETO & BALDWIN 1990), Flores (GAIN 1914; SCHMIDT 1931; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960). São Miguel (PICONE 1889; GAIN 1914; SCHMIDT 1931; BULLOCK et al. 1990; NETO 1991a, 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).

Halitylon squamatum (L.) H. W. Johans., L. M. Irvine et A. M. Webster - Azores (SOUTH & TITTLE 1986).

=*Corallina squamata* Ellis et Sol. - Faial (SCHMIDT 1929b).

Halitylon virgatum (Zanardini) Garbary et H. W. Johans. - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

=*Corallina granifera* Ellis et Sol. - Faial (SCHMIDT 1929b), São Miguel (GAIN 1914).

=*Corallina virgata* Zanardini - Faial (PICONE 1889).

Jania adhaerens J. V. Lamour. - Faial (TITTLE & NETO 1994), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991a, 1991b, 1992), Azores (SOUTH & TITTLE 1986).

Jania cf. *corniculata* (L.) J.V.Lamour - Faial (TITTLE & NETO 1994).

Jania crassa J.V. Lamour - Azores (SOUTH & TITTLE 1986).

=*Jania natalensis* Harv. - Faial, Terceira and São Miguel (SCHMIDT 1929b), Santa Maria (AGARDH 1870).

=*Corallina natalensis* Kütz. - Terceira (LARKUM 1960).

Jania longifurca Zanardini - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Jania rubens (L.) J. V. Lamour. - Corvo (TRELEAVE 1897), Flores (NETO & AZEVEDO 1990), Faial (FRALICK et al. 1985; TITTLE & NETO 1994), Pico (PALMINHA 1957; FRALICK et al. 1985), Graciosa

(TRELEAVE 1897; NETO 1989), São Miguel (CASTRO & VIEGAS 1987; NETO 1991a, 1991b, 1992), Santa Maria (AGARDH 1870), Azores (SOUTH & TITTLE 1986).

=*Corallina rubens* L. - Flores (GAIN 1914; NETO & BALDWIN 1990), Terceira (LARKUM 1960), São Miguel (GAIN 1914).

=*Jania corniculata* (L.) J. V. Lamour. - Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).

=*Corallina corniculata* L. - Azores (SEUBERT 1844).

(E) *Lithophyllum azorum* Me Lemoine in O. C. Schmidt - Faial (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

(E) *Lithophyllum bipartitum* Me Lemoine - Faial (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

Lithophyllum decussatum (Ellis et Sol.) Phil. - Azores (SOUTH & TITTLE 1986).

Lithophyllum esperi (Lemoine in Børgesen) South & Tittle - Azores (SOUTH & TITTLE 1986).

=*Pseudolithophyllum esperi* Me Lemoine in Børgesen - Faial (SCHMIDT 1931).

Lithophyllum vickersii Lemoine in Børgesen - Faial (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

Melobesia membranacea (Esper) J. V. Lamour - Pico (PICONE 1889).

=*Lithothamnion membranaceum* (Esper) Foslie - Flores (GAIN 1914).

Mesophyllum lichenoides (Ellis) Me Lemoine - Azores (SOUTH & TITTLE 1986).

Phymatolithon lenormandii (Aresch. in J. Agardh) W. H. Adey - Azores (SOUTH & TITTLE 1986).

=*Lithothamnion lenormandii* (Aresch.) Foslie - Faial (SCHMIDT 1931).

Phymatolithon tenuissimum (Foslie) W. H. Adey - Azores (SOUTH & TITTLE 1986).

Porolithon onkodes (Heydr.) Foslie - Faial (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

Tenarea tortuosa (Esper) Me Lemoine - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

=*Lithophyllum tortuosum* (Esper) Foslie - Pico (PALMINHA 1957), São Miguel (CASTRO & VIEGAS 1987).

Tilanderma pustulatum (J. V. Lamour.) Woelk., Y. M. Chamb. et P. C. Silva - Azores (SOUTH & TITTLLEY 1986).

=*Dermatolithon pustulatum* (J. V. Lamour.) Foster - Faial and Pico (FRALICK et al. 1985), São Miguel (CASTRO & VIEGAS 1987).

=*Melobesia pustulata* J. V. Lamour. - Faial and Pico (PICCONE 1889), Terceira (TRELEASE 1897; SAMPAIO 1904).

GIGARTINALES

CORYNOMORPHACEAE

Corynomorpha prismatica (J. Agardh) J. Agardh - São Miguel (FREDERICQ et al. 1992).

DUMONTIACEAE

Dilsea carnosa (Schmidel) Kuntze - São Miguel (NETO 1991a).

Dudresnaya verticillata (With.) Jolis - Santa Maria (NETO et al. 1992), São Miguel (NETO 1992).

Dumontia contorta (S. G. Gmel.) Rupr. - São Miguel (NETO 1991a).

GYMNOPHLAEACEAE

Nemastoma confusum Kraft & John - Faial and Pico (FREDERICQ et al. 1992).

Platoma cyclocolpa (Mont.) F. Schmitz - São Miguel (NETO 1991a), Azores (SOUTH & TITTLLEY 1986).

Platoma marginifera (J. Agardh) Batters - Terceira (LARKUM 1960), São Miguel (NETO 1991a).

Predaea feldmanii Børgesen - Faial, Pico and Terceira (FREDERICQ et al. 1992).

Schizymenia dubyi (Chauv. ex Duby) J. Agardh - Faial (SCHMIDT 1929b; TITTLLEY & NETO 1994); Pico (PALMINHA 1957), Terceira and São Miguel (SCHMIDT 1929b); Azores (SOUTH & TITTLLEY 1986).

=*Schizymenia obovata* J. Agardh - Corvo (TRELEASE 1897).

=*Schizymenia undulata* J. Agardh - Terceira (TRELEASE 1897).

AHNFEITIALES

AHNFEITIAEAE

Ahnfeltia plicata (Huds.) Fr. - Azores (SOUTH & TITTLLEY 1986).

GRACILARIALES

GRACILARIAEAE

Gracilaria verrucosa (Huds.) Papenf. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991a), Santa Maria (NETO et al. 1991).

PHYLLOPHORACEAE

Ahnfeltiopsis devoniensis (Grev.) Silva et DeCew

=*Gymnogongrus devoniensis* (Grev.) Schoner - Azores (SOUTH & TITTLLEY 1986).

Coccolytus truncatus (Pall.) Wynne et Heine

=*Phyllophora truncata* (Pall.) Zinova - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991).

Erythrodermis traillii (Holmes ex Batters) Guiry & Garbary - Faial (TITTLLEY & NETO 1994).

=*Phyllophora traillii* Holmes ex Batters - Corvo (NETO & BALDWIN 1990), São Miguel (NETO 1991b, 1992).

Gymnogongrus crenulatus (Turner) J. Agardh - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTLLEY & NETO 1994), Terceira (SCHMIDT 1931), São Miguel (PICCONE 1889; GAIN 1914), Azores (SOUTH & TITTLLEY 1986).

Gymnogongrus griffithsiae (Turner) G. Martens - Flores (NETO & BALDWIN 1990), Faial (TITTLLEY & NETO 1994), São Miguel (CASTRO & VIEGAS 1987), Azores (SOUTH & TITTLLEY 1986).

Gymnogongrus tenuis (Turner) J. Agardh - Faial and Pico (TITTLLEY & NETO 1994).

Phyllophora crispa (Huds.) P. S. Dixon - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b).

Schottera nicaeensis (J. V. Lamour. ex Duby) Guiry et Hollenb. - Corvo and Flores (NETO & BALDWIN 1990), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991).

Stenogramme interrupta (C. Agardh) Mont. ex Harv. - Flores (NETO & BALDWIN 1990), Azores (SOUTH & TITTLLEY 1986).

PETROCELIDACEAE

Mastocarpus stellatus (Stackh. in With.) Guiry in Guiry, West. Kim et Masuda - São Miguel (NETO

1991b).

=*Gigartina stellata* (Stackh.) Batters - São Miguel (CASTRO & VIEGAS 1987).

GIGARTINACEAE

Chondracanthus acicularis (Roth) Fredericq in Hommersand, Guiry, Fredericq et Leister

=*Gigartina acicularis* (Roth) J. V. Lamour. - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1931), São Miguel (GAIN 1914; SCHMIDT 1931; CASTRO & VIEGAS 1987; NETO 1991a, 1991b, 1992), Santa Maria (AGARDH 1870 [H]), Azores (SOUTH & TITTLE 1986).

=*Sphaerococcus acicularis* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

Chondracanthus teedii (Roth) Kützinger

=*Gigartina teedii* (Roth) J. V. Lamour. - Faial (TITTLE & NETO 1994), São Miguel (NETO 1991a), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

=*Sphaerococcus teedii* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

Chondrus crispus Stackh. - Corvo and Flores (NETO & BALDWIN 1990), Graciosa (NETO 1989), São Miguel (PICONE 1889; GAIN 1914; NETO 1991a, 1991b), Azores (SOUTH & TITTLE 1986).

Gigartina pistillata (S. Gmelin) Stackh. - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Terceira (SCHMIDT 1929a), São Miguel (NETO 1991b, 1992), Azores (SOUTH & TITTLE 1986).

PLOCAMIAEAE

Plocamium cartilagineum (L.) P. S. Dixon - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial and Pico (TITTLE & NETO 1994), Graciosa (NETO 1989), São Miguel (NETO 1991a, 1991b), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

=*Plocamium coccineum* (Huds.) Lyngbye - Flores (GAIN 1914), Faial (SCHMIDT 1931), Terceira (TRELEASE 1897; SAMPAIO 1904; SCHMIDT 1931), São Miguel (GAIN 1914; SCHMIDT 1931).

=*Fucus cartilagineus* DC. - Azores (DROUËT 1866).

=*Gelidium cartilagineum* L. - Faial (TRELEASE 1897).

=*Delesseria plocamium* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

SPHAEROCOCCACEAE

Sphaerococcus coronopifolius Stackh. - Flores (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

=*Fucus coronopifolius* DC. - Azores (DROUËT 1866).

HYPNEACEAE

Hypnea arbuscula P. Dangeard - Faial and Pico (FREDERICQ et al. 1992).

Hypnea cervicornis J. Agardh - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial and Pico (TITTLE & NETO 1994).

Hypnea musciformis (Wulfen in Jacq.) J. V. Lamour. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTLE & NETO 1994), Pico (TITTLE & NETO 1994), São Miguel (GAIN 1914; SCHMIDT 1931; NETO 1991b), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

CAULACANTHACEAE

Catenella caespitosa (With.) L. Irvine in Parke et P. S. Dixon - Faial (TITTLE & NETO 1994), São Miguel (NETO 1991b, 1992), Azores (SOUTH & TITTLE 1986).

=*Catenella opuntia* (Good. et Woodw.) Grev. - Faial (SCHMIDT 1929a).

Caulacanthus ustulatus (Turner) Kützinger - Faial (SCHMIDT 1931; TITTLE & NETO 1994), Terceira (TRELEASE 1897; SAMPAIO 1904; SCHMIDT 1931), São Miguel (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).

CYSTOCLONACEAE

?*Calliblepharis ciliata* (Huds.) Kützinger - São Miguel (NETO 1991b).

Rhodophyllis divaricata (Stackh.) Papenf. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

=*Rhodophyllis bifida* (Good. et Woodw.) Kützinger - Santa Maria (AGARDH 1870).

CRUORACEAE

Cruoria pellita (Lyngbye) Fr. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990).

RHODYMENIALES

RHODYMENIACEAE

Botryocladia botryoides (Wulfen) Feldmann - São Miguel (NETO 1991b), Azores (SOUTH & TITTLE 1986).

- =*Chrysomenia uvaria* (L.) J. Agardh - São Miguel (SCHMIDT 1931).
 =*Chondria uvaria* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

Chrysomenia bullosa Levring - Faial (FREDERICQ et al. 1992).

Cordylecladia erecta (Grev.) J. Agardh

- =*Gracilaria erecta* (Grev.) Grev. - São Jorge (PRYOR 1967).

Halichrysis depressa (C. Agardh) Schousb. in Bornet

- =*Chrysomenia depressa* Ardiss. et Staff. - Santa Maria (AGARDH 1870).

Rhodymenia holmesii Ardiss. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991).

Rhodymenia pseudopalmata (J. V. Lamour.) P. C. Silva - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

- =*Rhodymenia palmetta* (J. V. Lamour.) Grev. - Faial (SCHMIDT 1931), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (PICCONE 1889; GAIN 1914; SCHMIDT 1931), Santa Maria (AGARDH 1870 [H]).

- =*Sphaerococcus palmatus* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

CHAMPIACEAE

Champia parvula (C. Agardh) Harv. - Faial and Pico (TITTLE & NETO 1994), São Miguel (NETO 1991b), Azores (SOUTH & TITTLE 1986).

Gastroclonium cf. *clavatum* (Rothpletz) Ardiss. - Faial (TITTLE & NETO 1994).

Gastroclonium ovatum (Huds.) Papenf. - Faial (TITTLE & NETO 1994), Graciosa (NETO 1989), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

Lomentaria articulata (Huds.) Lyngbye - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (SCHMIDT 1931; TITTLE & NETO 1994), Graciosa (NETO 1989), Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1931), São Miguel (GAIN 1914; CASTRO & VIEGAS 1987; NETO 1991a, 1991b), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

- =*Chylocladia articulata* Grev. - São Miguel (PICCONE 1889).

Lomentaria baileyana (Harv.) Farl. - ?Azores (SOUTH & TITTLE 1986).

- =*Chylocladia baileyana* Harv. (Harvey) - Santa Maria (AGARDH 1870).

CERAMIALES

CERAMIACEAE

Aglaothamnion byssoides (Arnott ex Harvey in Hook.) Hardy-Halos et Ruess - Faial (TITTLE & NETO 1994).

- =*Callithamnion byssoides* Arnott ex Harvey in Hook. - Azores (SOUTH & TITTLE 1986).

Aglaothamnion hookeri (Dillwyn) Maggs et L'Hardy-Halos - Faial and Pico (TITTLE & NETO 1994).

- =*Callithamnion hookeri* (Dillwyn) Gray - Terceira (LARKUM 1960), São Miguel (SCHMIDT 1931; NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Aglaothamnion cf. *roseum* (Roth) Maggs et Hardy-Halos - Faial (TITTLE & NETO 1994).

Anotrichium tenue (C. Agardh) Näg. - Faial (TITTLE & NETO 1994).

Antithamnion diminutum Wollaston - Faial (ATHANASIADIS & TITTLE 1994; TITTLE & NETO 1994).

Antithamnion heterocladum Funk - Azores (ARDRE pers. comm. in ATHANASIADIS 1990).

Antithamnion ogdeniae Abbot - Faial (TITTLE & NETO 1994).

Antithamnion pectinatum (Montagne) Brauner - Faial (ATHANASIADIS & TITTLE 1994; TITTLE & NETO 1994).

Antithamnionella spirographidis (Schiff.) E. M. Woll.

- =*Antithamnium sarniense* (Lyle) Feldmann - São Miguel (CASTRO & VIEGAS 1987).

Balliella cladoderma (Zanardini) Athanasiadis - Azores (ATHANASIADIS 1985a in ATHANASIADIS 1990).

Bornetia secundiflora (J. Agardh) Thur. - Flores (NETO & BALDWIN 1990).

Callithamniella tingitana (Schousb. ex Bornet) Feldmann - Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

- Callithamnion corymbosum* (Sm.) Lyngbye - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), São Miguel (NETO 1991a, 1991b, 1992).
- Callithamnion granulatatum* (Ducluz.) C. Agardh - Terceira (LARKUM 1960).
- Callithamnion cf. spongiosum* Harv. in Hook - Santa Maria (NETO et al. 1991).
- Callithamnion tetragonum* (With.) Gray - Faial and Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914), Azores (SEUBERT 1844; DROUËT 1866; ARDRÉ et al. 1973; SOUTH & TITTLE 1986).
= *Callithamnion tetragonum* (With.) Gray var. *divaricatum* Rosenv. - Terceira (SCHMIDT 1931).
- Callithamnion tetricum* (Dillwyn) S.F. Gray - Faial (TITTLE & NETO 1994).
- Centroceras clavulatum* (C. Agardh) Mont. - Faial and Pico (TITTLE & NETO 1994), Terceira (TRELEA 1897; SAMPAIO 1904), São Miguel (CASTRO & VIEGAS 1987), Azores (ARDRE ET AL. 1974; SOUTH & TITTLE 1986).
= *Ceramium clavulatum* C. Agardh - São Miguel (SCHMIDT 1931).
- Ceramium ciliatum* (Ellis) Ducluz. - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; NETO 1991a, 1991b, 1992), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).
- Ceramium derbesii* Sol. ex Kützinger - Flores (NETO & BALDWIN 1990).
- Ceramium diaphanum* (Lightf.) Roth - Faial (SCHMIDT 1931; FRALICK et al. 1985; PICCONE 1889; TITTLE & NETO 1994), Pico (FRALICK et al. 1985; TITTLE & NETO 1994), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).
- Ceramium echionotum* J. Agardh - Faial (FRALICK et al. 1985; TITTLE & NETO 1994), Pico (FRALICK et al. 1985), Terceira (LARKUM 1960), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SEUBERT 1844; SOUTH & TITTLE 1986).
- Ceramium fastigiatum* Harv. - Flores (NETO & BALDWIN 1990).
- Ceramium flabelligerum* J. Agardh - Flores (NETO & AZEVEDO 1990), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991), ?Azores (SOUTH & TITTLE 1986).
- Ceramium pennatum* P. Crouan et H. Crouan - São Miguel (NETO 1991a).
- Ceramium rubrum* (Huds.) C. Agardh - Flores (GAIN 1914; NETO & AZEVEDO 1990), Faial and Pico (FRALICK et al. 1985; TITTLE & NETO 1994), Graciosa (NETO 1989), São Miguel (SCHMIDT 1931; CASTRO & VIEGAS 1987; NETO 1991a, 1991b, 1992), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).
= *Ceramium arborescens* J. Agardh - Flores (NETO & BALDWIN 1990).
- Ceramium spinoso-pilosum* Kützinger - São Miguel (SCHMIDT 1929b).
- Ceramium strictum* Harv. - Terceira (SCHMIDT 1929a; LARKUM 1960), Azores (SOUTH & TITTLE 1986).
- Crouania attenuata* (C. Agardh) J. Agardh - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).
- Griffithsia corallinoides* (L.) Batters - Flores (NETO & BALDWIN 1990).
- Griffithsia flosculosa* (Ellis) Batters - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991).
- Griffithsia cf. globulifera* Harvey - Faial (TITTLE & NETO 1994).
- Griffithsia phylamphora* J. Agardh - Faial (SCHMIDT 1931; TITTLE & NETO 1994), São Miguel (SCHMIDT 1931), Azores (SOUTH & TITTLE 1986).
- Gymnothamnion elegans* (Schousb. ex C. Agardh) J. Agardh - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).
= *Phormidium schousboei* (Bornet) F. Schmitz - Faial (SCHMIDT 1931).

Pleonosporium borrieri (Sm.) Nägeli ex Hauck - Terceira (SCHMIDT 1929a; LARKUM 1960), Azores (SOUTH & TITTLE 1986).

Pterothamnion crispum (Duct.) Näg. - Faial (TITTLE & NETO 1994).

Pterothamnion plumula (Ellis) Nägeli - Azores (SOUTH & TITTLE 1986).

=*Antithamnion plumula* (Ellis) Thur. in Jolis - Terceira (SCHMIDT 1929a).

Scageliopsis patens Wollaston - Faial (ATHANASIADIS & TITTLE 1994; TITTLE & NETO 1994).

Seirospora sp. - Faial (TITTLE & NETO 1994).

Spermothamnion repens (Dillwyn) Rosenv. - Azores (SOUTH & TITTLE 1986).

=*Spermothamnion turneri* (Mert.) Aresch. - Terceira (LARKUM 1960).

=*Callithamnion turneri* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).

Sphondylothamnion multifidum (Huds.) Näg. - Faial (TITTLE & NETO 1994).

Spyridia filamentosa Harvey - Faial (TITTLE & NETO 1994).

?*Tiffaniella capitata* (Schousboe ex Bornet) Doty et Menez - Azores (SOUTH & TITTLE 1986).

Vickersia baccata (J. Agardh) Karsakoff - Azores (SOUTH & TITTLE 1986).

=*Callithamnion baccatum* J. Agardh - Santa Maria (AGARDH 1870).

Wrangelia argus (Mont.) Mont. - Azores (SOUTH & TITTLE 1986).

DELESSERIACEAE

Acrosorium uncinatum (Turn.) Kylin - Faial (TITTLE & NETO 1994), São Miguel (CASTRO & VIEGAS 1987), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

=*Nitophyllum uncinatum* (Turn.) J. Agardh - São Miguel (GAIN 1914), Santa Maria (AGARDH 1870).

Apoglossum ruscifolium (Turner) J. Agardh - Faial (TITTLE & NETO 1994).

Cryptopleura ramosa Huds.) Kylin ex L. M. Newton - Faial and Pico (TITTLE & NETO 1994), São Miguel (NETO 1991b).

=*Acrosorium reptans* (P. Crouan et H. Crouan) Kylin - São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991).

=*Nitophyllum laceratum* (S. G. Gmel.) Grev. - São Miguel (GAIN 1914).

=*Delesseria lacerata* C. Agardh - Azores (DROUËT 1866).

=*Fucus laceratus* DC. - Azores (DROUËT 1866).

Haraldia lenormandii (Derbès et Solier) Feldmann - Azores (SOUTH & TITTLE 1986).

Hypoglossum hypoglossoides (Stackh.) F. Collins et Herv. - Faial (TITTLE & NETO 1994), Azores (SOUTH & TITTLE 1986).

=*Hypoglossum woodwardii* Kürzing - Terceira (LARKUM 1960), São Miguel (GAIN 1914).

=*Delesseria hypoglossum* J. V. Lamour. - Santa Maria (AGARDH 1870).

Myriogramme minuta Kylin - Santa Maria (NETO et al. 1991), Azores (ARDRE et al. 1973; SOUTH & TITTLE 1986).

Nitophyllum punctatum (Stackh.) Grev. - Faial, Terceira and São Miguel (SCHMIDT 1929a), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).

Taenioma nanum (Kützinger) Papenf. - Faial (TITTLE & NETO 1994).

Taenioma perpusillum (J. Agardh) J. Agardh - Faial (TITTLE & NETO 1994).

DASYACEAE

Dasya corymbifera J. Agardh - Faial and Pico (TITTLE & NETO 1994), Santa Maria (NETO et al. 1991).

Dasya ocellata (Grat.) Harv. in Hook. - Faial and Pico (TITTLE & NETO 1994), Terceira (LARKUM 1960; SCHMIDT 1929b), São Miguel (SCHMIDT 1929b), Azores (SOUTH & TITTLE 1986).

Dasya cf. Harvey - Faial (TITTLE & NETO 1994).

Heterosiphonia crispella (C. Agardh) M. J. Wynne - Azores (SOUTH & TITTLE 1986).

RHODOMELACEAE

Chondria dasyphylla (Woodw.) C. Agardh - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial and Pico (TITTLE & NETO 1994), São Miguel (NETO 1991a, 1991b, 1992).

- Chondria tenuissima* (Gooden. & Woodw.) C. Agardh - Corvo (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), São Miguel (BULLOCK et al. 1990; NETO 1991b, 1992), Azores (SEUBERT 1844; DROUËT 1866; TRELEASE 1897; SAMPAIO 1904; SOUTH & TITTLE 1986).
- Erythrocytis montagnei* (Derbès et Solier) P. C. Silva - Azores (SOUTH & TITTLE 1986).
- Herposiphonia secunda* (C. Agardh) Falkenb. - Faial and Pico (TITTLE & NETO 1994).
- Laurencia hybrida* (DC.) Lenormand ex Duby - Flores (NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), São Miguel (NETO 1991b).
- Laurencia obtusa* (Huds.) J. V. Lamour. - Flores (GAIN 1914; NETO & BALDWIN 1990), Faial (PICCONE 1889; SCHMIDT 1931; TITTLE & NETO 1994), Graciosa (NETO 1989), Pico (TITTLE & NETO 1994), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (NETO 1991b), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).
- = *Laurencia obtusa* (Huds.) J. V. Lamour. var. *pyramidata* (Bory) J. Agardh - Corvo (TRELEASE 1897), São Miguel (SCHMIDT 1931).
- Laurencia pinnatifida* (Huds.) J. V. Lamour. - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), Pico (PALMINHA 1957), Graciosa (NETO 1989), Terceira (SCHMIDT 1931; LARKUM 1960), São Miguel (GAIN 1914; SCHMIDT 1931; CASTRO & VIEGAS 1987; HAWKINS et al. 1990; NETO 1991a, 1991b, 1992), Azores (SOUTH & TITTLE 1986).
- = *Chondria pinnatifida* C. Agardh - Azores (SEUBERT 1844; DROUËT 1866).
- Lophosiphonia reptabunda* (Suhr) Kylin - Faial and Pico (TITTLE & NETO 1994).
- Lophosiphonia subadunca* (Kützinger) Falkenb. - Faial (TITTLE & NETO 1994).
- Polysiphonia atlantica* Kapraun et J. N. Norris - Flores (NETO & AZEVEDO 1990), Faial (TITTLE & NETO 1994), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991).
- = *Polysiphonia macrocarpa* Harv. in Mackay - Flores (NETO & BALDWIN 1990).
- (E) *Polysiphonia azorica* O. C. Schmidt - São Miguel (SCHMIDT 1929b), Azores (SOUTH & TITTLE 1986).
- Polysiphonia brodiaei* (Dillwyn) Sprengel - Faial and Pico (TITTLE & NETO 1994).
- Polysiphonia denudata* (Dillwyn) Grev. ex Harv. in Hook. - Corvo (NETO & BALDWIN 1990), Santa Maria (NETO et al. 1991).
- Polysiphonia elongata* (Huds.) Spreng. - São Miguel (NETO 1991b).
- Polysiphonia flosculosa* (C. Agardh) Kützinger - Azores (SOUTH & TITTLE 1986).
- = *Polysiphonia subcontinua* (C. Agardh) J. Agardh - Faial (SCHMIDT 1929b), São Miguel (GAIN 1914).
- Polysiphonia fruticulosa* (Wulfen) Spreng. - Corvo (TRELEASE 1897; NETO & BALDWIN 1990), Flores (GAIN 1914; NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial (TITTLE & NETO 1994), São Miguel (NETO 1991b), Santa Maria (AGARDH 1870 [H]), Azores (SEUBERT 1844; DROUËT 1866; SOUTH & TITTLE 1986).
- Polysiphonia havanensis* Mont. - Flores (NETO & BALDWIN 1990), São Miguel (PICCONE 1889; GAIN 1914; NETO 1991b, 1992), Santa Maria (NETO et al. 1991), Azores (SOUTH & TITTLE 1986).
- = *Polysiphonia sertularioides* (Grat.) J. Agardh - Terceira (SCHMIDT 1929b).
- (E) *Polysiphonia hochstetteriana* O. C. Schmidt - Terceira (SCHMIDT 1929b; Larkum 1960), Azores (SOUTH & TITTLE 1986).
- Polysiphonia nigra* (Huds.) Batters - São Miguel (NETO 1991a).
- Polysiphonia nigrescens* (Huds.) Grev. - Corvo (NETO & BALDWIN 1990), Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Terceira (LARKUM 1960), São Miguel (NETO 1991b, 1992), Santa Maria (NETO et al. 1991).
- Polysiphonia opaca* (C. Agardh) Mor. et De Not. - Flores (NETO & AZEVEDO 1990; NETO & BALDWIN 1990), Faial and Pico (FRALICK et al. 1985), São Miguel (NETO 1991b, 1992).
- Polysiphonia simpliciuscula* P. Crouan et H. Crouan.
- = *Ophidocladus simpliciusculus* (P. Crouan et H. Crouan) Falkenb. - São Miguel (CASTRO & VIEGAS 1987).

Polysiphonia spinulosa (Grev.) - Flores (NETO & BALDWIN 1990).

Polysiphonia urceolata (Lightf. ex Dillwyn) Grev. - Faial and Pico (TITTLE & NETO 1994). São Miguel (NETO 1991b, 1992).

Polysiphonia spp. - Faial and Pico (Tittle & NETO 1994).

Pterosiphonia parasitica (Huds.) Grev.- Azores (SOUTH & TITTLE 1986).

= *Polysiphonia parasitica* (Huds.) Grev.- Santa Maria (AGARDH 1870).

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