

Nova Hedwigia

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A Taxonomic and Geographical Catalogue of the Seaweeds of the Western Coast of Africa and Adjacent Islands

with 1 figure



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Preface

The information technology revolution now in progress makes it possible to readily access vast stores of information in ways inconceivable when work began in the 1960s towards preparing the review papers on West African seaweeds upon which the present catalogue is based. In the early years data were entered on index cards and as more detailed notes on paper in ring-back files. All this is now stored electronically as a database enabling it to be sorted and readily retrieved. Despite the technological advances made over the life of the project there still exists a need for data to be available in a convenient hard copy form.

In recent years considerable progress has been made preparing regional lists for seaweeds and other major groups of organisms. Still yet to be achieved are world lists of species whose absence remains one of the principle constraints to nations fulfilling their obligations under the Convention on Biological Diversity. Underway are various initiatives to prepare such world lists but many are bedevilled by problems concerning data quality and conflicting views on taxonomy. In compiling the present catalogue we have been considerably assisted by 'AlgaeBase' (www.algaebase.org) and 'Index Nominum Algarum' (ucjeps.berkeley.edu/INA.html), two websites which often provide a compromise of taxonomic opinions. Our task of critically appraising country records has been greatly assisted by the fact that some of us have worked for long periods in West Africa and therefore have first hand experience of its seaweed flora.

The information in the catalogue is available to those involved with various international projects, including an EU-funded project to index the seaweeds of the African Continent. We hope the information will be incorporated into other taxonomic databases that are freely and universally available through web services and Grid technologies. The Global Biodiversity Information Facility has just such a mission and works co-operatively and in support of other international organizations, including the Clearing House Mechanism set up under the United Nations Convention on Biological Diversity. Species 2000 is a 'Federation' of database organizations whose principle aim is to enumerate all known species of organisms on Earth. To achieve such an aim requires authoritative and comprehensive datasets – we believe our regional catalogue and the database used to generate it represents one such dataset for seaweeds.

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Introduction

The original critical assessment of the seaweeds of tropical West Africa began during the 1960s; the first part dealing with the green algae was published by George Lawson and James Price in 1969. Other parts appeared at irregular intervals (Price et al. 1978, 1986, 1988, 1992; John et al. 1979, 1994; Lawson et al. 1995) until the series was completed with publication of the red algal genera (Woelkerling et al. 1998) which included an update of the non-geniculate coralline red algae. Over this period of almost 40 years, considerable progress has been made in our understanding of the distribution of West African seaweeds and many taxonomic and nomenclatural changes have taken place. For these reasons we consider it necessary now to bring the checklist up-to-date and to make the data contained more widely available. It is intended that all revisions of the checklist will be available online, consonant with modern methods of assembly, storage and communication world-wide of scientific data.

The areas covered include the whole African mainland coastline from the northern boundary of Western Sahara southwards to the southern boundary of Namibia, the oceanic islands from Madeira and the Salvage Islands southwards to Ascension and St Helena, and all other islands pertaining to the African mainland coast (Fig. 1). It is essentially the same area as dealt with by the critical assessment series save for the addition of Madeira for which there is a recently published checklist (Neto et al. 2001). Another departure is to consider separately the coastlines of Sénégal lying to the north and south of The Gambia. The coast to the south of Gambia (South Sénégal) is also known as the Casamance. Some of our earlier interpretations of records by Sourie (Sourie 1954) for Mauritanie and Guinea-Bissau were in error and these misinterpretations are not repeated here.

The genera and species are arranged alphabetically. Each species entry gives the currently accepted names with the abbreviated forms or other conventions used in citing the authority following the recommendations given by Brummitt & Powell (1992). The only exception has been *A. Grunow* that was given by them in error as 'Grunov'. In the present paper the only synonyms mentioned are names that were accepted by Lawson and Price in the first part of the 'Seaweeds of the West of Tropical Africa and adjacent Island' (Lawson & Price 1969), or have been mentioned subsequently in the series or in other publications dealing with West African algae. Provided is a full listing of countries and islands for which records are given and these are arranged in order running north to south, except for the South Atlantic islands of Annobon (formerly Pagalu), Ascension and St. Helena. Following each country or island record there is given a source reference which is either a floristic account (e.g., Lawson & John 1982, 1987; John et al. 2003; Rull Lluch 2002), a recent checklist (e.g., Haroun et al. 2002; Harper & Garbary 1997; Neto et al. 2001), another relevant paper and/or a publication in the series. We have not been able so far, however, to find any reference to records of seaweeds for mainland Equatorial Guinea (= Rio Muni), Cabinda or the Democratic Republic of Congo (= Zaire). One of the main departures from the critical assessment series is the absence of any detailed discussion of records and taxonomic/homenclatural problems. Short notes are provided here where needed and these often refer to those earlier literature sources giving more information on our taxonomic decisions. A very useful source of taxonomic information has proved to be the 'AlgaeBase' web-site (Guiry & Nic Dhonncha). During the preparation of this list we have often used the Leiden Atlantic Seaweeds Database, which contains data on the gross distribution of seaweeds in the northern and middle parts of the Atlantic Ocean, with special emphasis on the Macaronesian Islands.

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- Tenarea tortuosa (Esper) Me. Lemoine**
Distribution: Canary Islands: Woelkerling et al. 1998; Mauritanie: Woelkerling et al. 1998.
- Thamnoclonium claviferum J. Agardh**
Distribution: Ghana: John et al. 2003.
- Thamnophyllis discigera (J. Agardh) R.E. Norris**
Distribution: Namibia: Rull Lluich 2002.
- Thuretelia schousboei (Thur.) F. Schmitz**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
- Tiffaniella capitata (Schousb. ex Bornet) Doty & Meñez**
Synonym: *Spermothamion capitatum* (Schousb.) Bornet
Distribution: Canary Islands: Haroun et al. 2002 (as *S. capitatum*); Mauritanie: Woelkerling et al. 1996?
Comments: Marcot-Coquegniot (1991) was not sure about her determination of the *Tiffaniella* species she recorded from Mauritanie.
- Tiffaniella gorgonea (Mont.) Doty & Meñez**
Synonym: *Spermothamion gorgoneum* (Mont.) Bornet
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998.
- Trematocarpus flabellatus (J. Agardh) De Toni**
Distribution: Namibia: Rull Lluich 2002.
- Trematocarpus fragilis (C. Agardh) De Toni**
Distribution: Namibia: Rull Lluich 2002.
- Trichogloea requienii (Mont.) Kütz.**
Distribution: Cape Verde Islands: Haroun 1998.
- Trichogloeopsis pedicellata (M. Howe) I.A. Abbott & Doty**
Distribution: Canary Islands: Haroun et al. 2002.
- Tricleocarpa cylindrica (J. Ellis & Sol.) Huisman & Borow.**
Synonym: *Galaxaura cylindrica* (J. Ellis & Sol.) J.V. Lamour.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1988 (as *G. cylindrica*); Ghana: Lawson & John 1987 (as *G. cylindrica*); Príncipe: Price et al. 1988 (as *G. cylindrica*); São Tomé: Price et al. 1988 (as *G. cylindrica*).
- Tricleocarpa fragilis (Lamarck) Huisman & R.A. Towns.**
Synonyms: *Galaxaura adriatica* Zanardini; *Galaxaura fragilis* (Lamarck) J.V. Lamour. ex Decne.; *Galaxaura oblongata* (J. Ellis & Sol.) J.V. Lamour.
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003.
- Tsengia bairdii (Farl.) K.C. Fan & Y.P. Fan**
Synonym: *Platoma bairdii* (Farl.) Kuck.
Distribution: Canary Islands: Haroun et al. 2002.
- Vickersia baccata (J. Agardh) Karsakoff**
Synonym: *Vickersia canariensis* Karsakoff
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.
- Waldoia antillana W.R. Taylor**
Distribution: Ghana: John et al. 2003.
- Womersleyella setacea (Hollenb.) R.E. Norris**
Distribution: Canary Islands: Haroun et al. 2002.
- Wrangelia argus (Mont.) Mont.**
Synonyms: *Wrangelia plebeys* J. Agardh; *Griffithsia argus* Mont.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002 (as *Griffithsia argus*); Cape Verde Islands: Woelkerling et al. 1998; Gambia: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Cameroun: John et al. 2003; Ascension: Woelkerling et al. 1998; St. Helena: Woelkerling et al. 1998.
- Wrangelia penicillata (C. Agardh) C. Agardh**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998; Ghana: John et al. 2003; St. Helena: Woelkerling et al. 1998.
- Wurdemannia miniata (Spreng.) Feldmann & Hamel**
Synonym: *Wurdemannia setacea* Harv.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998, Cameroun: John et al. 2003; São Tomé: John et al. 2003.

***Spongites discoideus* (Foslie) Penrose & Woelk.**

Distribution: Namibia: Rull Lluch 2002?

Comments: Doubt attaches to its occurrence in Namibia since the record is given without mention of any locality and primary source data.

***Spongites fruticosus* Kütz.**

Synonym: *Lithothamnion fruticosum* (Kütz.) Foslie

Distribution: Madeira: Neto et al. 2001; Mauritania: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.

***Sporolithon africanum* (Foslie) Afonso-Carr.**

Synonym: *Archaeolithothamnium africanum* Foslie

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.

***Spyridia clavata* Kütz.**

Distribution: Mauritania: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Senegambia: Woelkerling et al. 1998; Gambia: John et al. 2003; Ghana: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Woelkerling et al. 1998; Angola: Woelkerling et al. 1998.

***Spyridia filamentosa* (Wulfen) Harv.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Woelkerling et al. 1998; Mauritania: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Sierra Leone: John et al. 2003; Ascension: Woelkerling et al. 1998; St. Helena: Woelkerling et al. 1998; Annobon: Woelkerling et al. 1998.

Comments: Recorded from Ghana in error by John (1986). Steentoft (1967) has discounted earlier reports of *S. filamentosa* from offshore islands in the Gulf of Guinea believing them to be misdeterminations of *S. aculeata* (now *S. hypnoides*). See Woelkerling et al. (1998).

***Spyridia hypnoides* (Bory) Papenf.**

Synonyms: *Spyridia aculeata* (Schimper) Kütz.; *Spyridia armata* Kütz.; *Spyridia insignis* (J. Agardh) J. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Woelkerling et al. 1998; Mauritania: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Senegambia: Woelkerling et al. 1998; Gambia: Woelkerling et al. 1998; Ghana: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Woelkerling et al. 1998.

Comments: See note under *S. filamentosa*.

***Stenogramme interrupta* (C. Agardh) Mont. ex Harv.**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998.

***Stichothamnion cymatophilum* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002.

***Streblocladia camptoclada* (Mont.) Falkenb.**

Distribution: Angola: Woelkerling et al. 1998; Namibia: Rull Lluch 2002.

***Streblocladia collabens* (C. Agardh) Falkenb.**

Synonym: *Polysiphonia collabens* (C. Agardh) Kütz.

Distribution: North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.

***Streblocladia corymbifera* (C. Agardh) Kylin**

Distribution: Namibia: Rull Lluch 2002.

***Streblocladia glomerulata* (Mont.) Papenf.**

Synonym: *Streblocladia neglecta* F. Schmitz

Distribution: North Sénégal: Woelkerling et al. 1998.

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

Synonyms: *Goniotrichum alsidii* (Zanardini) M. Howe; *Goniotrichum elegans* (Chauv.) Le Jol.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: John et al. 1979 (as *G. alsidi*); North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Nigeria: John et al. 2003; Gabon: John et al. 2003; Ascension: John et al. 1979.

***Stylonema cornu-cervi* Reinsch**

Synonym: *Goniotrichum cornu-cervi* (Reinsch) Hauck

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Suhria vittata* (L.) J. Agardh**

Distribution: Namibia: Rull Lluch 2002.

Comments: An earlier record for Ghana (as *Fucus vittatus*) by P.E. Isert has been rejected (see comments in Woelkerling 1998).

***Synarthrophyton munimentum* Keats & Manevelt**

Distribution: Namibia: Rull Lluch 2002.

***Taenioma nanum* (Kütz.) Papenf.**

Synonym: *Taenioma macrourum* Bornet & Thur.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998; Sierra Leone: John et al. 2003; Bioko: John et al. 2003.

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

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Liberia: John et al. 1998; Côte d'Ivoire: John et al. 1998; Ghana: John et al. 2003.

***Tayloriella tenebrosa* (Harv.) Kylin**

Synonym: *Streblocladia fasciculifera* (Kütz.) Falkenb.
Distribution: Angola: Woelkerling et al. 1998; Namibia: Rull Lluch 2002.

***Schmitziella endophloea* Bornet & Batters**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Schottera nicaeensis* (J.V. Lamour, ex Duby) Guiry & Hollenb.**

Distribution: Namibia: Rull Lluch 2002?; Ascension: Woelkerling et al. 1998?

Comments: According to Woelkerling et al. (1998), material from Namibia and Ascension (identified as *Schottera nicaeensis*) belongs to *Rhodymenia holmesii*.

***Scinaia australis* (Setch.) Huisman**

Distribution: Canary Islands: Haroun et al. 2002.

***Scinaia canaliculata* Feldmann**

Distribution: North Sénégal: Woelkerling et al. 1998.

Comments: Probably a nomen nudum according to Woelkerling et al. (1998).

***Scinaia caribaea* (W.R. Taylor) Huisman**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Scinaia complanata* (Collins) Cotton**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Woelkerling et al. 1998.

***Scinaia cottonii* Setch.**

Distribution: North Sénégal: Woelkerling et al. 1998; Ghana: John et al. 2003.

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

Synonyms: *Scinaia forcillata* Bivona-Bernardi; *Scinaia pseudocrispa* (Clemente) M.J. Wynne

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Republic of the Congo: Woelkerling et al. 1998; Annobon: Woelkerling et al. 1998.

***Scinaia hormoides* Setch.**

Distribution: Ghana: John et al. 2003.

***Scinaia johnstoniae* Setch.**

Distribution: North Sénégal: Woelkerling et al. 1998; Ghana: John et al. 2003; Gabon: John et al. 2003.

***Scinaia verae* (C.I. Dickinson) Huisman**

Synonyms: *Gloiophloea verae* C.I. Dickinson; *Pseudogloiophloea verae* (C.I. Dickinson) Papenf.

Distribution: Ghana: John et al. 2003.

***Sebdenia dichotoma* Berthold**

Synonyms: *Chrysomenia dichotoma* J. Agardh; *Halymenia dichotoma* (J. Agardh) J. Agardh; *Sebdenia feldmannii* Codomier
Distribution: Canary Islands: Haroun et al. 2002.

***Sebdenia macaronesica* Soler-Onís et al.**

Synonym: *Sebdenia canariensis* Soler-Onís et al.

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998.

***Sebdenia rodrigueziana* (Feldmann) Codomier**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Woelkerling et al. 1998.

***Seiropora interrupta* (Sm.) F. Schmitz**

Distribution: Canary Islands: Haroun et al. 2002.

***Solieria filiformis* (Kütz.) P.W. Gabrielson**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Gabon: John et al. 2003.

***Spermothamnion flabellatum* Bornet**

Distribution: Canary Islands: Haroun et al. 2002.

***Spermothamnion investiens* (P. Crouan & H. Crouan) Vickers**

Distribution: Mauritanie: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.
Comments: The plants from Cameroun and Ghana were sterile and determination therefore doubtful (Woelkerling et al. 1998).

***Spermothamnion repens* (Dillwyn) Rosenv.**

Synonym: *Spermothamnion turneri* (Mert.) Aresch.

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Woelkerling et al. 1998.

***Sphaerococcus coronopifolius* Stackh.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Sphondylithamnion multifidum* (Huds.) Nägeli**

Distribution: Canary Islands: Haroun et al. 2002.

***Spongites absimile* (Foslie & M. Howe) Afonso-Carr.**

Synonyms: *Lithophyllum absimile* Foslie & M. Howe; *Neogoniolithon absimile* (Foslie & M. Howe) Afonso-Carr.

Distribution: Canary Islands: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.

***Spongites africanum* (Foslie) Afonso-Carr. et al.**

Synonyms: *Lithothamnion ponderosum* Foslie; *Porolithon africanum* (Foslie) Foslie
Distribution: Canary Islands: Woelkerling et al. 1998; Mauritanie: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Cameroun: John et al. 2003 (as *P. africanum*); Bioko: John et al. 2003 (as *P. africanum*); São Tomé: John et al. 2003 (as *P. africanum*); Annobon: Woelkerling et al. 1998.

***Rhodothamniella codicola* (Børgesen) Bidoux & Magne**

Synonyms: *Acrochaetium codicola* Børgesen; *Audouinella codicola* (Børgesen) Garbary; *Colaconema codiculum* (Børgesen) Stegenga et al.; *Rhodochorton codicola* (Børgesen) Nakamura

Distribution: Canary Islands: Haroun et al. 2002; Sierra Leone: Price et al. 1986? (as *Audouinella codicola*).

Comments: For doubt expressed about the records from Sierra Leone, see Price et al. (1986); now commonly referred to the genus *Colaconema*.

***Rhodothamniella floridula* (Dillwyn) Feldmann**

Synonym: *Rhodochorton floridulum* (Dillwyn) Nägeli

Distribution: Madeira: Neto et al. 2001; Namibia: Rull Lluuch 2002.

***Rhodymenia ardissoni* Feldmann**

Distribution: Canary Islands: Haroun et al. 2002.

***Rhodymenia caespitosa* P.J.L. Dang**

Distribution: Canary Islands: Haroun et al. 2002.

***Rhodymenia holmesii* Ardiss.**

Distribution: Canary Islands: Haroun et al. 2002; Angola: Woelkerling et al. 1998; Namibia: Rull Lluuch 2002; Ascension: Woelkerling et al. 1998.

Comments: According to Woelkerling et al. (1998), the materials from Namibia and Ascension, misidentified as *Schottera nicaeensis*, belong to *Rhodymenia holmesii*. It has also been tentatively recorded as *R. holmesii* by Rull Lluuch (2002).

***Rhodymenia ligulata* Zanardini**

Distribution: Mauritania: Woelkerling et al. 1998.

***Rhodymenia linearis* J. Agardh**

Distribution: Namibia: Rull Lluuch 2002.

Comments: For a discussion on the taxonomic status of this species, see Rull Lluuch (2002).

***Rhodymenia natalensis* Kylin**

Distribution: Namibia: Rull Lluuch 2002.

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

Synonym: *Rhodymenia palmetta* (Esper) Grev.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Woelkerling et al. 1998; Mauritania: Woelkerling et al. 1998; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; Angola: Woelkerling et al. 1998; Namibia: Rull Lluuch 2002.

***Rissoëlla verruculosa* (Berthold) J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Rytiphlaea tinctoria* (Clemente) C. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands:

Haroun et al. 2002; Western Sahara: Woelkerling et al. 1998; Mauritania: Woelkerling et al. 2002.

***Sahlingia subintegra* (Rosenv.) Kornmann**

Synonyms: *Erythrocladia subintegra* Rosenv.; *Erythropeltis subintegra* (Rosenv.) Kornmann & Sahling

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Namibia: Rull Lluuch 2002.

***Sarcodia ceylanica* Harv. ex Kütz.**

Distribution: North Sénégal: Woelkerling et al. 1998.

Comments: This record may be of *Sarcodia montagneana* (Hook. f. & Harv.) J. Agardh, see Woelkerling et al. (1998).

***Sarcodiotheca divaricata* W.R. Taylor**

Distribution: Canary Islands: Haroun et al. 2002.

***Sarcothalia radula* (Esper) Edyvane & Womersley**

Synonym: *Gigartina radula* (Esper) J. Agardh

Distribution: Namibia: Rull Lluuch 2002.

***Sarcothalia scutellata* (Hering) Leister**

Synonym: *Gigartina scutellata* (Hering) Simons

Distribution: Namibia: Rull Lluuch 2002.

***Sarcothalia stiriata* (Turner) Leister**

Synonym: *Gigartina stiriata* (Turner) J. Agardh

Distribution: Namibia: Rull Lluuch 2002.

***Schimmelmannia bollei* Mont.**

Distribution: Salvage Islands: Parente et al. 2001; Cape Verde Islands: Woelkerling et al. 1998.

Comments: For a discussion concerning the probability that the original material was not collected in the Canary Islands, see Woelkerling et al. (1998).

***Schimmelmannia schousboei* (J. Agardh) J. Agardh**

Synonym: *Schimmelmannia ornata* Schousb. ex Kütz.

Distribution: Canary Islands: Haroun et al. 2002.

Comments: Woelkerling et al. (1998) are uncertain about the status of the synonym *Schimmelmannia ornata*.

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

Synonym: *Schizymenia obovata* (J. Agardh) J. Agardh

Distribution: Namibia: Rull Lluuch 2002.

***Schizymenia dubyi* (Chauv. ex Duby) J. Agardh**

Distribution: Madeira: Neto et al. 2001.

Verde Islands: Lawson et al. 1995 (as *Pterocladia capillacea*); Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003 (as *Pterocladia capillacea*).

***Pterocladia melanoidea* (Schousb. ex Bornet) Santel. & Hommers.**

Synonyms: *Gelidium melanoidea* Schousb. ex Bornet; *Pterocladia melanoidea* (Schousb. ex Bornet) E.Y. Dawson

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997 (as *G. melanoidea*).

***Pterosiphonia cloiophylla* (C. Agardh) Falkenb.**

Distribution: Namibia: Rull Lluich 2002.

***Pterosiphonia complanata* (Clemente) Falkenb.**

Distribution: Western Sahara: Lawson et al. 1995; Mauritania: Lawson et al. 1995; Republic of the Congo: Lawson et al. 1995; Namibia: Rull Lluich 2002.

***Pterosiphonia dendroidea* (Mont.) Falkenb.**

Distribution: Namibia: Rull Lluich 2002?

Comments: For a detailed discussion on its relationship to other closely related species, see Rull Lluich (2002).

***Pterosiphonia parasitica* (Huds.) Falkenb.**

Distribution: Canary Islands: Lawson et al. 1995; Angola: Lawson et al. 1995.

***Pterosiphonia pennata* (C. Agardh) Sauv.**

Synonym: *Polysiphonia pennata* (C. Agardh) J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Lawson et al. 1995; Mauritania: Lawson et al. 1995; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Angola: Lawson et al. 1995.

***Pterothamnion crispum* (Ducluz.) Nägeli**

Distribution: Canary Islands: Haroun et al. 2002.

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

Synonym: *Antithamnion plumula* (J. Ellis) Thur.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
Comments: For a detailed discussion on its relationship to other closely related species, see Lawson et al. (1995).

***Ptilota gunneri* P.C. Silva et al.**

Synonym: *Ptilota plumosa* (Huds.) C. Agardh
Distribution: Canary Islands: Haroun et al. 2002?

Comments: Doubtful record, see Haroun et al. (2002); Canary Island specimens might be *Spyridia aculeata*.

***Ptilothamnion pluma* (Dillwyn) Thur.**

Synonym: *Ptilothamnion micropterum* (Mont.) Bornet

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Comments: For discussions whether *P. micropterum* is a separate species or only a form of *P. pluma*, see Lawson et al. (1995).

***Ptilothamnion polysporum* Gordon-Mills & E.M. Woll.**

Distribution: Namibia: Rull Lluich 2002.

***Ptilothamnion speluncarum* (Collins & Herv.) D.L. Ballant. & M.J. Wynne**

Synonym: *Spermothamnion speluncarum* (Collins & Herv.) M. Howe

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003 (as *S. speluncarum*).

***Pugeia harveyana* (J. Agardh) R.E. Norris**

Distribution: Namibia: Rull Lluich 2002.

***Reinboldiella poeppigianum* (Grunow) Feldmann & Feldm.-Maz.**

Synonym: *Ceramium poeppigianum* Grunow

Distribution: Cape Verde Islands: Woelkerling et al. 1998 (as *C. poeppigianum*).

Comments: For a discussion on the taxonomic status of this species, see Price et al. 1986.

***Rhodochorton purpureum* (Lightf.) Rosenf.**

Synonym: *Audouinella purpurea* (Lightf.) Woelk.

Distribution: Canary Islands: Price et al. 1986?; Mauritania: Price et al. 1986.

Comments: Doubtful records: the Canary Islands record is very old and was never confirmed; the one for Mauritania was secondary. See Price et al. (1986).

***Rhodophyllis divaricata* (Stackh.) Papenf.**

Synonym: *Rhodophyllis bifida* (Gooden. & Woodw.) Kütz.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Woelkerling et al. 1998.

***Rhodophyllis gracilarioides* M. Howe & W.R. Taylor**

Distribution: North Sénégal: Woelkerling et al. 1998; Ghana: John et al. 2003.

***Rhodophyllis madeirensis* Levring**

Distribution: Madeira: Neto et al. 2001?

Comments: Neto et al. (2001) state that laboratory studies of this species did not indicate clear differences from *Rhodophyllis divaricata*.

***Rhodophyllis reptans* (Suhr) Papenf.**

Distribution: Namibia: Rull Lluich 2002.

***Rhodophysema africana* D.M. John & G.W. Lawson**

Distribution: Gabon: John et al. 2003; Angola: Woelkerling et al. 1998.

***Rhodosorus marinus* Geitler**

Distribution: Canary Islands: Haroun et al. 2002.

***Polysiphonia trippinnata* J. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Polysiphonia urbana* Harv.**

Distribution: Namibia: Rull Lluich 2002.

***Polysiphonia virgata* (C. Agardh) Spreng.**

Distribution: Namibia: Rull Lluich 2002.

***Polysiphonia dura* Heydr.**

Distribution: Madeira: Neto et al. 2001.

***Polysiphonia fosliei* (Weber Bosse) Denizot**

Distribution: Cape Verde Islands: Lawson et al. 1995.

***Porolithon aequinoctiale* Foslie**

Distribution: São Tomé: John et al. 2003.

***Porolithon oligocarpum* (Foslie) Foslie**

Distribution: Canary Islands: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995.

Comments: The status of this entity requires further investigation, see Woelkerling et al. (1998).

***Porphyra acanthophora* E.C. Oliveira & Coll**

Synonym: *Porphyra atropurpurea* (E.C. Oliveira) De Toni

Distribution: Canary Islands: Schmidt 1931.

Comments: This taxon is not in the Canary Islands, see Haroun et al. (2002). This name is currently regarded as a synonym of *Porphyra leucosticta* Thur., according to Guiry & Nic Dhonncha (2003), but this suggestion is omitted from version 2.1 (2004) of AlgaeBase (searched 27 May).

***Porphyra capensis* Kütz.**

Distribution: Angola: John et al. 1979; Namibia: Rull Lluich 2002.

***Porphyra carnea* Grunow**

Distribution: Madeira: Neto et al. 2001.

***Porphyra carolinensis* Coll & J. Cox**

Distribution: Canary Islands: Haroun et al. 2002.

***Porphyra ledermannii* Pilg.**

Distribution: Cameroun: Lawson & John 1987.

Comments: Considered to be a doubtful species according to Lawson & John (1987).

***Porphyra leucosticta* Thur.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Angola: John et al. 1979.

***Porphyra saldanhae* Stegenga et al.**

Distribution: Namibia: Rull Lluich 2002.

***Porphyra umbilicalis* (L.) J. Agardh**

Synonym: *Porphyra laciniata* (L.) J. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1979.

***Porphyrostromium boryanum* (Mont.) P.C. Silva**

Synonyms: *Erythrotrichia boryana* (Mont.) Berthold; *Erythrotrichopeltis boryana* (Mont.) Kormann

Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1979 (as *Erythrotrichia boryana*); Mauritanie: John et al. 1979 (as *Erythrotrichia boryana*); Namibia: Rull Lluich 2002 (as *Erythrotrichia boryana*).

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

Synonym: *Erythrotrichia ciliare* (Carmich.) Thur.

Distribution: Canary Islands: Haroun et al. 2002.

***Predaea feldmannii* Børgesen**

Distribution: Cape Verde Islands: Lawson et al. 1995; Ghana: John et al. 2003.

***Predaea huismanii* Kraft**

Distribution: Canary Islands: Haroun et al. 2002.

***Predaea masonii* (Setch. & N.L. Gardner) G. De Toni**

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

***Predaea ollivieri* Feldmann**

Distribution: Canary Islands: Haroun et al. 2002.

***Predaea weldii* Kraft & I.A. Abbott**

Synonym: *Predaea pusilla* (Berthold) Feldmann

Distribution: Canary Islands: Haroun et al. 2002.

***Pseudobranchioglossum senegalense* M. Bodard**

Distribution: North Sénégal: Harper & Garbary 1997.

***Pterocladia lucida* (R. Br. ex Turner) J. Agardh**

Distribution: St. Helena: Lawson et al. 1995.

***Pterocladia capillacea* (S.G. Gmel.) Santel. & Hommers.**

Synonyms: *Gelidium capillaceum* (S.G. Gmel.) Kütz.; *Pterocladia capillacea* (S.G. Gmel.) Bornet & Thur.; *Pterocladia pinnata* (Huds.) Papenf.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson et al. 1995 (as *Pterocladia capillacea*); Mauritanie: Lawson et al. 1995 (as *Pterocladia capillacea*); North Sénégal: Lawson et al. 1995 (as *Pterocladia capillacea*); South Sénégal: Sourie 1954 (as *Pterocladia capillacea*); Cape

- Polysiphonia funebris* De Not. ex J. Agardh**
Distribution: Canary Islands: Haroun et al. 2002.
Comments: For a detailed discussion on its relationship to other closely related species, see Lawson et al. (1995).
- Polysiphonia furcellata* (C. Agardh) Harv.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
- Polysiphonia gonatophora* Kütz.**
Distribution: Canary Islands: Lawson et al. 1995?
Comments: Identification uncertain from the Canaries, see detailed note in Lawson et al. (1995).
- Polysiphonia gorgoniae* Harv.**
Distribution: Mauritania: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995?
Comments: No reason was given in Lawson et al. (1995) for doubt attaching to the Cape Verde Island record.
- Polysiphonia harveyi* Bailey**
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.
- Polysiphonia havanensis* Mont.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
- Polysiphonia incompta* Harv.**
Distribution: Namibia: Rull Lluich 2002.
- Polysiphonis namibiensis* Stegenga & Engledow**
Distribution: Namibia: Rull Lluich 2002.
- Polysiphonia nutans* Mont.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Lawson et al. 1995.
- Polysiphonia opaca* (C. Agardh) Moris & De Not.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
- Polysiphonia paniculata* Mont.**
Distribution: Salvage Islands: Neto et al. 2001?
Comments: According to Neto et al. (2001) the record from the Salvage Islands is doubtful.
- Polysiphonia polyspora* (C. Agardh) Mont.**
Distribution: Canary Islands: Lawson et al. 1995; North Sénégal: Lawson et al. 1995; Senegambia: Lawson et al. 1995.
Comments: For a detailed discussion on its relationship to other closely related species, see Lawson et al. (1995).
- Polysiphonia pulvinata* (Roth) Spreng.**
Distribution: Canary Islands: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995.
Comments: For a detailed discussion on its relationship to other closely related species, see Lawson et al. (1995).
- Polysiphonia scopulorum* Harv.**
Synonyms: *Lophosiphonia scopulorum* (Harv.) Womersley; *Polysiphonia scopulorum* var. *villum* (J. Agardh) Hollenb.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995 (as *P. scopulorum* var. *villum*); Namibia: Rull Lluich 2002.
- Polysiphonia sertularioides* (Gratel.) J. Agardh**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Angola: Lawson et al. 1995.
- Polysiphonia souriei* Feldmann**
Distribution: North Sénégal: Lawson et al. 1995.
Comments: Probably a nomen nudum according to Lawson et al. (1995).
- Polysiphonia sphaerocarpa* Børgesen**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Rojas-González & Afonso-Carrillo (2000); North Sénégal: Lawson et al. 1995.
Comments: For a discussion on *P. sphaerocarpa*, see Verlaque (1989).
- Polysiphonia stricta* (Dillwyn) Grev.**
Synonyms: *Polysiphonia lepadicola* (Lyngb.) Kütz.; *Polysiphonia urceolata* (Lightf. ex Dillwyn) Grev.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995 (also as *P. lepadicola*).
- Polysiphonia subtilissima* Mont.**
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson et al. 1995; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Biooko: John et al. 2003; Angola: Lawson et al. 1995; Ascension: Lawson et al. 1995; St. Helena: Lawson et al. 1995; Annobon: Lawson et al. 1995.
- Polysiphonia subulifera* (C. Agardh) Harv.**
Distribution: Canary Islands: Haroun et al. 2002.
- Polysiphonia tenerima* Kütz.**
Distribution: Canary Islands: Morales-Ayala & Viera-Rodríguez 1988.
- Polysiphonia tepida* Hollenb.**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995.
Comments: The number of pericentrals found in the material that is recorded here (6) does not conform to the 7 or 8 given in the original description.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Lawson et al. 1995.

***Pneophyllum fragile* Kütz.**

Synonyms: *Fosliella lejolissi* (Rozanov) Y.M. Chamb.; *Melobesia lejolissii* Rozanov; *Pneophyllum lejolissii* (Rozanov) Y.M. Chamb.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Lawson et al. 1995; Ghana: John et al. 2003 (as *P. lejolissii*).

***Polynura denticulata* Feldmann**

Distribution: North Sénégal: Harper & Garbary 1997.
Comments: Probably an unpublished name given to *M. Bodard* by Feldmann (see Lawson et al. 1995).

***Polyopus constrictus* (Turner) J. Agardh**

Distribution: Namibia: Rull Lluich 2002.

***Polysiphonia atlantica* Kapraun & J.N. Norris**

Synonym: *Polysiphonia macrocarpa* Harv.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson et al. 1995; Mauritanie: Lawson et al. 1995; North Sénégal: Harper & Garbary 1997.

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

Distribution: Canary Islands: Haroun et al. 2002.

***Polysiphonia brodiei* (Dillwyn) Spreng.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Polysiphonia camerunensis* Pilg.**

Distribution: Cameroun: John et al. 2003.
Comments: According to Guiry & Nic Dhonncha (2004), the status of this entity is dubious and requires further investigation.

***Polysiphonia caretia* Hollenb.**

Distribution: Canary Islands: Haroun et al. 2002.

***Polysiphonia ceramiaeformis* P. Crouan & H. Crouan**

Distribution: Salvage Islands: Neto et al. 2001?; Canary Islands: Haroun et al. 2002.
Comments: Doubt attaches to the Salvage Islands record since based on sterile material (see Lawson et al. 1995).

***Polysiphonia denudata* (Dillwyn) Grev. ex Harv.**

Synonym: *Polysiphonia variegata* (C. Agardh) Zanardini
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson et al. 1995; Mauritanie: Lawson et al. 1995; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson et al. 1995; South

Sénégal: Lawson et al. 1995; Guinea-Bissau: John et al. 2003; São Tomé: John et al. 2003?; Angola: Lawson et al. 1995.

Comments: Doubt concerning the São Tomé record refers to the fact that it is normally regarded as a colder water species (see John et al. 2003).

***Polysiphonia elongata* (Huds.) Spreng.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Angola: Lawson et al. 1995.

***Polysiphonia erythraea* Schousb. ex J. Agardh**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002?
Comments: According to Haroun et al. (2002), the record from the Canaries needs to be reconfirmed.

***Polysiphonia ferulacea* Suhr ex C. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson et al. 1995; Guinea-Bissau: John et al. 2003?; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: Lawson et al. 1995; St. Helena: Lawson et al. 1995.
Comments: Doubt attaches to the Guinea-Bissau record since based on a tentative identification from the drawing in Welten et al. (2002) by John et al. (2003).

***Polysiphonia fibrillosa* (Dillwyn) Spreng.**

Distribution: Canary Islands: Haroun et al. 2002?
Comments: Haroun et al. (2002) question earlier records from the Canaries of this more northerly distributed species.

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

Synonym: *Polysiphonia acanthotrichia* Kütz.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

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

Synonym: *Polysiphonia subcontinua* (C. Agardh) J. Agardh
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Polysiphonia foetidissima* Cocks ex Bornet**

Distribution: Salvage Islands: Neto et al. 2001?
Comments: According to Neto et al. (2001) the identification was uncertain.

***Polysiphonia fucoides* (Huds.) Grev.**

Synonyms: *Polysiphonia myriococca* Mont.; *Polysiphonia nigrescens* (Huds.) Grev.; *Polysiphonia subulata* (Ducluz.) J. Agardh; *Polysiphonia violacea* (Huds.) Grev.; *Polysiphonia violacea* var. *subulata* (Ducluz.) Hauck
Distribution: Madeira: Neto et al. 2001 (also as *P. subulata*); Salvage Islands: Neto et al. 2001 (also as *P. subulata*); Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002 (as *P. nigrescens*).

***Placophora monocarpa* (Mont.) Papenf.**

Distribution: Namibia: Rull Lluch 2002?

Comments: This record is based on drift material and hence the element of doubt, see Stegenga et al. (1997).

***Platoma cyclocolpa* (Mont.) F. Schmitz**

Synonym: *Halymenia cyclocolpa* Mont.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Sierra Leone: Lawson et al. 1995?

Comments: Doubt attaching to the record from Sierra Leone is because it is based on drift material and the taxon has not been known previously from mainland Africa, see comments in Lawson et al. (1975).

***Platysiphonia caribaea* D.L. Ballant. & M.J. Wynne**

Distribution: Canary Islands: Haroun et al. 2002.

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

Synonym: *Platysiphonia miniata* (C. Agardh) Børgesen

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995; Côte d'Ivoire: John et al. 2003 (as *P. miniata*); Ghana: John et al. 2003 (as *P. miniata*); Namibia: Rull Lluch 2002.

***Platysiphonia intermedia* (Grunow) M.J. Wynne**

Synonym: *Sarcomenia intermedia* Grunow

Distribution: Cape Verde Islands: Woelkerling et al. 1998 (as *S. intermedia*); Namibia: Rull Lluch 2002?

Comments: According to Rull Lluch (2002), all records of *P. intermedia* from Namibia should probably be more correctly attributed to *P. delicata*.

***Pleonosporium borrieri* (Sm.) Nägeli**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Lawson et al. 1995.

***Pleonosporium caribaeum* (Børgesen) R.E. Norris**

Synonym: *Mesothamnion caribaeum* Børgesen

Distribution: Canary Islands: Haroun et al. 2002.

***Pleonosporium filicinum* (Harv. ex J. Agardh) De Toni**

Distribution: Namibia: Rull Lluch 2002.

***Pleonosporium harveyanum* (J. Agardh) De Toni**

Distribution: Namibia: Rull Lluch 2002.

***Plocamium beckeri* F. Schmitz ex Simons**

Distribution: Angola: Lawson et al. 1995.

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

Synonym: *Plocamium coccineum* (Huds.) Lyngb.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson et al. 1995; Mauritania: Lawson et al. 1995; North Sénégal: Harper & Garbary 1997 (also as *P. coccineum*); Cape Verde Islands: Lawson et al. 1995; Namibia: Rull Lluch 2002; Ascension: Lawson et al. 1995.

***Plocamium concinnum* Aresch.**

Synonym: *Plocamium biserratum* Dickie

Distribution: Cape Verde Islands: Lawson et al. 1995.

***Plocamium corallorhiza* (Turner) Hook. f. & Harv.**

Distribution: Cape Verde Islands: Lawson et al. 1995; Namibia: Rull Lluch 2002.

***Plocamium cornutum* (Turner) Harv.**

Distribution: Namibia: Rull Lluch 2002.

***Plocamium froelichianum* Kütz.**

Distribution: Senegambia: Lawson et al. 1995.

Comments: Placed under 'Species inquirendae' by J. Agardh and 'Species incertae' by De Toni (see Lawson et al. 1995).

***Plocamium glomeratum* J. Agardh**

Distribution: Namibia: Rull Lluch 2002.

***Plocamium maxillosum* (Poiret) J.V. Lamour.**

Distribution: Namibia: Rull Lluch 2002.

***Plocamium raphelisanum* P.J.L. Dang.**

Distribution: Western Sahara: Lawson et al. 1995; Mauritania: Lawson et al. 1995; North Sénégal: Lawson et al. 1995.

***Plocamium rigidum* Bory**

Distribution: Namibia: Rull Lluch 2002.

***Plocamium suhrii* Kütz.**

Synonym: *Plocamium nobile* J. Agardh

Distribution: Angola: Lawson et al. 1995; Namibia: Rull Lluch 2002.

***Plocamium telfairiae* (Hook. & Harv.) Harv. ex Kütz.**

Distribution: Cape Verde Islands: Haroun 1998; Ghana: John et al. 2003.

***Pneophyllum amplexifrons* (Harv.) Y.M. Chamb. & R.E. Norris**

Synonyms: *Lithophyllum amplexifrons* (Harv.) Heydt.; *Melobesia amplexifrons* Harv. Distribution: Cape Verde Islands: Lawson et al. 1995.

***Pneophyllum confervicola* (Kütz.) Y.M. Chamb.**

Synonyms: *Fosliella confervicola* (Kütz.) Ganesan; *Fosliella minutula* (Foslie) Ganesan; *Hapalidium phyllactidium* Kütz.; *Melobesia confervicola* (Kütz) Foslie.; *Melobesia minutula* Foslie

***Pachymenia carnosa* (J. Agardh) J. Agardh**

Distribution: Angola: Lawson et al. 1995; Namibia: Rull Luch 2002.

***Pachymenia cornea* (Kütz.) Chiang**

Distribution: Namibia: Rull Luch 2002.

***Palmaria palmata* (L.) O. Kuntze**

Synonym: *Rhodymenia palmata* (L.) Grev.

Distribution: Ghana: Lawson et al. 1995?

Comments: Doubt attaching to the record concerns the unlikely occurrence of this cold water species in the Gulf of Guinea (see comments in Lawson et al. 1995 and Woelkerling et al. 1998).

***Peyssonnelia armorica* (P. Crouan & H. Crouan) Weber Bosse**

Synonyms: *Cruriella armorica* P. Crouan & H. Crouan; *Cruriopsis rosenvingei* Børgesen

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Peyssonnelia atropurpurea* P. Crouan & H. Crouan**

Distribution: Namibia: Rull Luch 2002.

***Peyssonnelia capensis* Mont.**

Distribution: Angola: Lawson et al. 1995.

***Peyssonnelia dubyi* P. Crouan & H. Crouan**

Synonym: *Cruriella dubyi* (P. Crouan & H. Crouan) F. Schmitz

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995.

***Peyssonnelia harveyana* P. Crouan & H. Crouan ex J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995; Angola: Lawson et al. 1995.

***Peyssonnelia inamoena* Pilg.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Haroun 1998; Ghana: John et al. 2003; Cameroon: John et al. 2003; Príncipe: John et al. 2003; Angola: Lawson et al. 1995.

***Peyssonnelia magna* Erceg.**

Distribution: Cape Verde Islands: Lawson et al. 1995.

***Peyssonnelia polymorpha* (Zanardini) F. Schmitz**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995; Sierra Leone: John et al. 2003?; Côte d'Ivoire: John et al. 2003.

Comments: Doubt concerning the Sierra Leone record relates to the material being sterile, see John & Lawson (1977).

***Peyssonnelia rosa-marina* Boudour. & Denizot**

Distribution: Cape Verde Islands: Lawson et al. 1995.

***Peyssonnelia rubra* (Grev.) J. Agardh**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Lawson et al. 1995?; Cape Verde Islands: Lawson et al. 1995; Príncipe: Lawson et al. 1995; Angola: Lawson et al. 1995.

Comments: The material from Sénégal has been identified only to genus, see Steentoft (1967).

***Phyllophora crispa* (Huds.) P.S. Dixon**

Distribution: Canary Islands: Haroun et al. 2002.

***Phyllophora gelidioides* P. Crouan & H. Crouan ex Karsakoff**

Distribution: Canary Islands: Haroun et al. 2002.

***Phyllymenia belangeri* (Bory) Setch. & N.L. Gardner**

Distribution: Namibia: Rull Luch 2002.

***Phymatolithon bisporum* (Foslie) Afonso-Carr.**

Synonyms: *Leptophytum bisporum* (Foslie) W.H. Adey; *Lithophyllum bisporum* Foslie; *Lithothamnion bisporum* Foslie

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Lawson et al. 1995; North Sénégal: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995.

***Phymatolithon calcareum* (J. Pall.) W.H. Adey & McKib.**

Synonyms: *Lithophyllum calcareum* (J. Pall.) Aresch.; *Lithothamnion calcareum* (J. Pall.) Aresch.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Lawson et al. 1995; Ascension: Lawson et al. 1995.

***Phymatolithon lenormandii* (Aresch.) W.H. Adey**

Synonyms: *Lithophyllum lenormandii* (Aresch.) Rosanov; *Lithothamnion lenormandii* (Aresch.) Foslie

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995.

***Phymatolithon purpureum* (P. Crouan & H. Crouan) Woelk. & L.M. Irvine**

Synonym: *Lithothamnion polymorphum* (L.) Foslie

Distribution: Cape Verde Islands: Lawson et al. 1995.

Comments: Records of *Phymatolithon polymorphum* are probably of *P. purpureum* (see comments in Lawson et al. 1995); this includes an uncertain record of *P. polymorphum* f. *sublaevis* Foslie from Angola.

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

Synonym: *Lithothamnion tenuissimum* Foslie

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Lawson et al. 1995; São Tomé: John et al. 2003 (as *L. tenuissimum*).

***Placophora binderiae* (J. Agardh) J. Agardh**

Distribution: Namibia: Rull Luch 2002.

***Neuroglossum binderianum* Kütz.**
Distribution: Namibia: Rull Lluch 2002.

***Nitophyllum dentatum* Bornet**
Distribution: North Sénégal: John et al. 1994.

***Nitophyllum punctatum* (Stackh.) Grev.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994.

***Nothogenia erinacea* (Turner) Parkinson**
Distribution: Namibia: Rull Lluch 2002.

***Nothogenia ovalis* (Sühr) Parkinson**
Distribution: Namibia: Rull Lluch 2002.

***Ophidocladus simpliciusculus* (P. Crouan & H. Crouan) Falkenb.**
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; Namibia: Rull Lluch 2002.

***Osmundaria volubilis* (L.) R.E. Norris**
Synonym: *Vidalia volubilis* (L.) J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Senegambia: Woelkerling et al. 1998 (also as *V. volubilis*).

***Osmundea hybrida* (DC) K.W. Nam**
Synonyms: *Laurencia caespitosa* (J.V. Lamour.) J.H. Price et al.; *Laurencia caespitosa* var. *subsimpler* Mont.; *Laurencia hybrida* (DC) Lenormand ex Duby
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994 (as *L. hybrida*).

***Osmundea osmunda* (S.G. Gmel.) K.W. Nam & Maggs**
Distribution: Madeira: Neto et al. 2001; North Sénégal: Harper & Garbary 1997.

***Osmundea pinnatifida* (Huds.) Stackh.**
Synonym: *Laurencia pinnatifida* (Huds.) J.V. Lamour.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994 (as *L. pinnatifida*); Mauritanie: John et al. 1994 (as *L. pinnatifida*); North Sénégal: Harper & Garbary 1997 (as *L. pinnatifida*); Cape Verde Islands: John et al. 1994 (as *L. pinnatifida*); Ghana: John et al. 2003?; São Tomé: John et al. 2003?
Comments: Early records from Ghana and São Tomé (as *Laurencia pinnatifida*) should be almost certainly discounted since the material upon which they are based most probably relates to the tropical *Laurencia brongniartii*.

***Osmundea truncata* (Kütz.) K.W. Nam & Maggs**
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Nemastoma confusum* Kraft & D.M. John**
Distribution: Cape Verde Islands: John et al. 1994; Ghana: John et al. 2003.

***Nemastoma dichotomum* J. Agardh**
Distribution: Madeira: Neto et al. 2001.

***Nemastoma gelatinosum* M. Howe**
Distribution: Madeira: Neto et al. 2001.

***Neogoniolithon accretum* (Foslie & M. Howe) Setch. & L.R. Mason**
Synonyms: *Goniolithon accretum* Foslie & M. Howe; *Lithophyllum accretum* (Foslie & M. Howe) Me Lemoine; *Neogoniolithon accretum* (Foslie & M. Howe) Setch. & L.R. Mason
Distribution: Canary Islands: Haroun et al. 2002 (as *G. accretum*).
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Neogoniolithon brassica-florida* (Harv.) Setch. & L.R. Mason**
Distribution: St. Helena: John et al. 1994.

***Neogoniolithon caribaeum* (Foslie) W.H. Adey**
Synonym: *Lithophyllum caribaeum* (Foslie) Foslie
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Neogoniolithon hirtum* (Me. Lemoine) Afonso-Carr.**
Synonyms: *Lithophyllum applicatum* Me. Lemoine; *Lithophyllum hirtum* Me. Lemoine; *Mesophyllum applicatum* Me. Lemoine; *Tenarea adhaerens* (Me. Lemoine) Børgesen
Distribution: Canary Islands: Haroun et al. 2002.

***Neogoniolithon manillare* (Harv.) Setch. & L.R. Mason**
Synonym: *Lithothamnion manillare* (Harv.) Aresch.
Distribution: North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994; Cameroun: John et al. 2003; Bioko: John et al. 2003; St. Helena: John et al. 1994; Annobon: John et al. 1994.
Comments: See *Neogoniolithon mamillosum*.

***Neogoniolithon mamillosum* (Hauck) Setch. & L.R. Mason**
Synonyms: *Goniolithon mamillosum* f. *microcarpa* Foslie (Hauck) Foslie; *Lithophyllum hauckii* (Rothpletz) Me. Lemoine
Distribution: Mauritanie: John et al. 1994; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994; St. Helena: John et al. 1994.
Comments: Mistakenly reported from Annobon, Bioko and Cameroun under *Neogoniolithon mamillosum* in John et al. (1994).

***Neogoniolithon orotavicum* (Foslie) Me. Lemoine ex Afonso-Carr.**
Synonyms: *Goniolithon orotavicum* Foslie; *Lithophyllum orotavicum* Foslie
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994.

***Neosiphonia sphaerocarpa* (Børgesen) S.M. Kim & I.K. Lee**
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Meristotheca decumbens* Grunow**

Synonym: *Rhabdonia decumbens* (Grunow) Grunow
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.
Comments: See note under *Meristiella echinocarpum*.

***Meristotheca senegalense* Feldmann**

mscr. 'Synonym': *Sarcodia ceylandica* Harv.
Distribution: North Sénégal: John et al. 1994.
Comments: A nomen nudum, see discussion in John et al. (1994).

***Mesophyllum brachycladum* (Foslie) W.H. Adey**

Distribution: Canary Islands: Haroun et al. 2002?; Príncipe: John et al. 2003; St. Helena: John et al. 1994.
Comments: According to Haroun et al. (2002), the record from the Canary Islands requires re-confirmation.

***Mesophyllum canariense* (Foslie) Me. Lemoine**

Synonyms: *Lithophyllum canariensis* Foslie; *Lithothamnion canariense* Foslie; *Lithophyllum marlothii* Heydr.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; São Tomé: John et al. 2003.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Mesophyllum ectocarpum* (Foslie) W.H. Adey.**

Synonym: *Lithothamnion ectocarpum* Foslie
Distribution: Canary Islands: Haroun et al. 2002; Mauritania: John et al. 1994; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Mesophyllum engelhartii* (Foslie) W.H. Adey**

Distribution: Namibia: Rull Lluich 2002.

***Mesophyllum erubescens* (Foslie) Me. Lemoine**

Distribution: Canary Islands: Haroun et al. 2002?; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: John et al. 1994.
Comments: According to Haroun et al. (2002), the record from the Canary Islands requires re-confirmation.

***Mesophyllum floridanum* (Foslie) W.H. Adey**

Distribution: São Tomé: John et al. 1994?
Comments: Considerable doubt attaches to the record from São Tomé, see remarks in John et al. (1994).

***Mesophyllum lichenoides* (J. Ellis) Me. Lemoine**

Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994; Mauritania: John et al. 1994.

***Microcladia glandulosa* (Sol. ex Turner) Grev.**

Distribution: North Sénégal: John et al. 1994; Senegambia: John et al. 1994; Gabon: John et al. 1994?.

Comments: Considerable doubt attaches to the Gabon record, see remarks in Lawson & John (1987).

***Microcladia gloria-spei* Stegenga**

Distribution: Namibia: Rull Lluich 2002.

***Micropeuce mucronata* (Harv.) Kylin**

Synonym: *Brongniartella mucronata* Harv.
Distribution: North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Monosporus pedicellatus* (Sm.) Sol.**

Synonyms: *Corynospora pedicellata* (Sm.) J. Agardh; *Monospora pedicellata* (Sm.) Sol.; *Neomonospora pedicellata* (Sm.) Feldmann & Meslin
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Murrayella pericladus* (C. Agardh) F. Schmitz**

Distribution: Gambia: John et al. 2003; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 1994; Republic of the Congo: John et al. 1994; Angola: John et al. 1994.

***Myriogramme costata* P.J.L. Dang.**

Distribution: North Sénégal: John et al. 1994.

***Myriogramme livida* (Hooker & Harv.) Kylin**

Distribution: Namibia: Rull Lluich 2002.

***Naccaria corymbosa* J. Agardh**

Distribution: Salvage Islands: Neto et al. 2001?
Comments: Possibly the Salvage Islands material should be referred to *Naccaria wiggii*.

***Naccaria wiggii* (Turner) Endl.**

Distribution: Salvage Islands: Neto et al. 2001?; Canary Islands: Haroun et al. 2002.
Comments: See remark under *Naccaria corymbosa*.

***Nemalion amoenum* (Pilg.) Børgesen**

Distribution: Cameroun: John et al. 2003.

***Nemalion helminthoides* (Velley) Batters**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994; North Sénégal: Harper & Garbary 1997.

***Nemastoma canariense* (Kütz.) J. Agardh**

Synonyms: *Gymnophlaea canariensis* Kütz.; *Hahymenia capensis* Mont.
Distribution: Canary Islands: Haroun et al. 2002.

***Lithothamnion indicum* Foslíe**

Distribution: Mauritanie: John et al. 1994.

***Lithothamnion philippii* Foslíe**

Distribution: Canary Islands: John et al. 1994; Mauritanie: John et al. 1994; North Sénégal: Harper & Garbary 1997.

Comments: Taxonomic status and position uncertain, see Woelkerling et al. (1988).

***Lithothamnion sonderi* Hauck**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Lomathamnion humile* (Kütz.) Stegenga**

Distribution: Namibia: Rull Lluich 2002.

***Lomentaria articulata* (Huds.) Lyngb.**

Synonym: *Chylocladia articulata* Grev.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994; Cameroun: John et al. 2003.

***Lomentaria baileyana* (Harv.) Farl.**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994.

***Lomentaria firma* (J. Agardh) Falkenb.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Lomentaria linearis* (Zanardini) Zanardini**

Distribution: Canary Islands: Haroun et al. 2002.

***Lomentaria patens* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

***Lomentaria subdichotoma* Erceg.**

Distribution: Canary Islands: Haroun et al. 2002.

***Lomentaria uncinata* Menegh. ex Zanardini**

Distribution: North Sénégal: Harper & Garbary 1997.

***Lophocladia trichoclados* (Mert. ex C. Agardh) F. Schmitz**

Synonyms: *Dasya trichoclados* (Mert.) J. Agardh; *Dasya lophoclados* Mont.; *Griffithsia trichoclados* C. Agardh; *Polysiphonia lophoclados* Kütz.; *Polysiphonia trichoclada* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 1994; Annobon: John et al. 1994.

***Lophosiphonia adhaerens* Pilg.**

Distribution: Sierra Leone: John et al. 2003?; St. Helena: John et al. 1994; Annobon: John et al. 1994.

Comments: Doubt attaches to the Sierra Leone record, see John et al. (1994).

***Lophosiphonia cristata* Falkenb.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Ascension: John et al. 1994.

***Lophosiphonia obscura* (C. Agardh) Falkenb., nom. illeg.**

Synonym: *Polysiphonia obscura* J. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Askenasy. 1897 (as *P. obscura*).

According to Rojas-González & Afonso-Carrillo (2002a), all material recorded as *L. obscura* for the Canary Islands is based on misidentifications of *L. reptabunda* and therefore they state that 'at present there is no evidence that allows to accept that *Lophosiphonia obscura* has been identified in the Canary islands'.

***Lophosiphonia reptabunda* (Suhrr) Kylin**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Bio-ko: John et al. 2003; Gabon: John et al. 2003; Angola: John et al. 1994; Ascension: John et al. 1994; St. Helena: John et al. 1994.

***Mastocarpus stellatus* (Stackh.) Guiry**

Synonym: *Gigartina stellata* (Stackh.) Batters

Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994; Mauritanie: John et al. 1994.

***Mazzaella capensis* (J. Agardh) Fredericq**

Synonym: *Iridaea capensis* J. Agardh

Distribution: Angola: Price et al. 1992 (as *I. capensis*); Namibia: Rull Lluich 2002.

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

Synonyms: *Epilithon membranaceum* (Esper) Heydr.; *Melobesia corticiformis* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994; Cabinda: John et al. 1994; Angola: John et al. 1994; Namibia: Rull Lluich 2002.

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

Synonyms: *Callymenia microphylla* J. Agardh; *Kallymenia microphylla* J. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Meristiella echinocarpum* (Aresch.) P.C. Cheney & P.W. Gabrielson**

Distribution: Cape Verde Islands: John et al. 1994.

Comments: Prud'homme van Reine et al. (1994) have suggested that Askenasy was in error when he concluded that both this taxon from the Cape Verde Islands and *Meristotheca? decumbens* (as *Myochodea schrammii*) from Madeira, the Canaries and the Cape Verde Islands should be combined under the latter name.

Distribution: Cape Verde Islands: John et al. 1994 (as *L. retusum*); Ghana: John et al. 2003 (as *P. mildbraedii*); Cameroun: John et al. 2003 (as *P. mildbraedii*); Bioko: John et al. 2003 (as *P. mildbraedii*); São Tomé: John et al. 2003 (as *P. mildbraedii*); Angola: John et al. 1994; Annobon: Lawson et al. 1995 (as *P. mildbraedii*).

***Lithophyllum neoatalayense* Masaki**

Distribution: Namibia: Rull Lluich 2002.

***Lithophyllum orbiculatum* (Foslie) Foslie**

Synonyms: *Crodedia orbiculata* (Foslie) Kytlin; *Pseudolithophyllum orbiculatum* (Foslie) Me. Lemoine
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001.

***Lithophyllum pallescens* (Foslie) Adey et al.**

Distribution: Ghana: John et al. 2003.

***Lithophyllum papillosum* (Zanardini ex Hauck) Foslie**

Synonyms: *Goniolithon papillosum* (Zanardini ex Hauck) Foslie; *Titanoderma papillosum* (Zanardini ex Hauck) J.H. Price et al.
Distribution: Canary Islands: Haroun et al. 2002?; Mauritanie: John et al. 1994; Annobon: John et al. 1994.
Comments: Canary records considered doubtful, see Haroun et al. (2002).

***Lithophyllum polycephalum* Foslie**

Synonyms: *Dermatolithon polycephalum* (Foslie) Foslie; *Goniolithon polycephalum* (Foslie) Afonso-Carr.; *Tenarea polycephalum* (Foslie) W.H. Adey; *Titanoderma polycephalum* (Foslie) Woelk. et al.
Distribution: Canary Islands: Haroun et al. 2002 (as *Titanoderma polycephalum*); Cape Verde Islands: John et al. 1994.

***Lithophyllum polyclonum* Foslie**

Synonym: *Titanoderma polyclonum* (Foslie) Woelk. et al.
Distribution: Mauritanie: John et al. 1994.

***Lithophyllum pustulatum* (J.V. Lamour.) Foslie**

Synonyms: *Dermatolithon hapalidioides* (P. Crouan & H. Crouan) Foslie; *Dermatolithon naphalidioides* (P. Crouan & H. Crouan) Foslie; *Dermatolithon pustulatum* (J.V. Lamour.) Foslie; *Lithophyllum hapalidioides* (P. Crouan & H. Crouan) Foslie var. *confinis* (P. Crouan & H. Crouan) Foslie; *Melobesia pustulatum* J.V. Lamour.; *Titanoderma confine* (P. Crouan & H. Crouan) J.H. Price, D.M. John & G.W. Lawson; *Titanoderma pustulatum* (J.V. Lamour.) Woelk. et al.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002 (as *T. pustulatum*); Mauritanie: John et al. 1994; Cape Verde Islands: John et al. 1994.
Comments: For discussion concerning the relation of *Titanoderma confine* to this taxon, see Woelkerling et al. (1998). Some have chosen to place it under *Titanoderma* (see Hardy & Guiry 2003), but we have followed Woelkerling et al. (1998) in maintaining the species under *Lithophyllum*.

***Lithophyllum racemus* (Lamarck) Foslie**

Synonyms: *Lithothamnion crassum* Phil.; *Lithophyllum duckeri* Woelk.
Distribution: Canary Islands: John et al. 1994.
Comments: Taxonomic status uncertain, see Woelkerling et al. (1988).

***Lithophyllum simile* Foslie**

Distribution: Cape Verde Islands: Haroun 1998; São Tomé: John et al. 2003.

***Lithophyllum stictaeforme* (Aresch.) Hauck**

Synonyms: *Lithophyllum expansum* Phil.; *Lithophyllum frondosum* (L. Dufour) G. Furnari et al.; *Melobesia stictaeformis* Aresch.; *Pseudolithophyllum expansum* (Phil.) Me Lemoine
Distribution: Madeira: Neto et al. 2001 (as *L. frondosum*); Salvage Islands: Neto et al. 2001; Canary Islands: Lawson et al. 1995 (as *P. expansum*); North Sénégal: Lawson et al. 1995 (as *P. expansum*).

Comments: The forms *stictaeforme* and *involvens* (=exigua) are included under *Lithophyllum stictaeforme*. For this very complex and confused situation, see notes in John et al. (1994) and Woelkerling et al. (1998). It has been incorrectly reported from the Canaries and Mauritanie as *Mesophyllum lichenoides* by John et al. (1994).

***Lithophyllum subtenellum* (Foslie) Foslie**

Distribution: Mauritanie: John et al. 1994; São Tomé: John et al. 2003.

***Lithophyllum vickersiae* Me. Lemoine**

Synonyms: *Lithothamnion vickersiae* Me. Lemoine; *Pseudolithophyllum vickersiae* (Me. Lemoine) Afonso-Carr.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994.

***Lithoporella melobesioides* (Foslie) Foslie**

Synonym: *Lithoporella conjuncta* (Foslie) Foslie
Distribution: Mauritanie: John et al. 1994 (also as *L. conjuncta*); North Sénégal: John et al. 1994 (as *L. conjuncta*); Cape Verde Islands: John et al. 1994 (also as *L. conjuncta*).

***Lithoporella sauvageaui* (Foslie) W.H. Adey**

Synonyms: *Litholepis sauvageaui* Foslie; *Melobesia sauvageaui* Foslie
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Lithothamnion angolense* Romanes**

Distribution: Angola: John et al. 1994.

***Lithothamnion corallioides* (P. Crouan & H. Crouan) P. Crouan & H. Crouan**

Synonym: *Lithothamnion solutum* (Foslie) Foslie
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994 (as *L. solutum*); Cape Verde Islands: John et al. 1994 (also as *L. solutum*).

***Lithothamnion crispatum* Hauck**

Distribution: Mauritanie: John et al. 1994.

***Liagoropsis schrammii* (P. Crouan & H. Crouan) Doty & I.A. Abbott**
Distribution: Cape Verde Islands: Otero-Schmitt 1994.

***Litholepis mediterranea* Foslie**

Synonym: *Titanoderma mediterranea* (Foslie) Woelk.
Distribution: Cape Verde Islands: John et al. 1994.
Comments: For discussion on its taxonomic position, see Woelkerling et al. (1998).

***Lithophyllum aninae* Foslie**

Distribution: Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum byssoides* (Lamarck) Foslie**

Synonym: *Titanoderma byssoides* (Lamarck) Y.M. Chamb. & Woelk.
Distribution: Salvage Islands: Woelkerling et al. 1998; Mauritanie: John et al. 1994; North Sénégal: Woelkerling et al. 1998; Cape Verde Islands: Woelkerling et al. 1998.

***Lithophyllum capense* Rozanov**

Synonym: *Lithothamnion capense* (Rozanov) Foslie
Distribution: Canary Islands: John et al. 1994; Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum congestum* (Foslie) Foslie**

Synonym: *Lithophyllum daedaleum* Foslie & M. Howe
Distribution: Canary Islands: John et al. 1994.
Comments: Identification of material from the Canary Islands remains uncertain, see Haroun et al. (2002).

***Lithophyllum corallinae* (P. Crouan & H. Crouan) Heydr.**

Synonyms: *Dermatolithon corallinae* (P. Crouan & H. Crouan) Foslie; *Lithothamnion corallinae* (P. Crouan & H. Crouan) Heydr.; *Titanoderma corallinae* (P. Crouan & H. Crouan) Heydr.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002 (as *T. corallinae*); Mauritanie: John et al. 1994; North Sénégal: John et al. 1994.
Comments: Some have chosen to place the taxon under *Titanoderma* (see Hardy & Guiry 2003), but we have followed Woelkerling et al. (1998) in keeping the species under *Lithophyllum*.

***Lithophyllum crouaniorum* Foslie**

Distribution: Canary Islands: John et al. 1994?
Comments: Canary Island records require confirmation, see John et al. (1994).

***Lithophyllum cystoseirae* (Hauck) Heydr.**

Synonyms: *Dermatolithon cystoseirae* (Hauck) Huvé; *Titanoderma cystoseirae* (Hauck) Woelk., Y.M. Chamb. & P.C. Silva
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; Annobon: John et al. 1994.

***Lithophyllum decussatum* (J. Ellis & Sol.) Phil.**

Distribution: Canary Islands: John et al. 1994.
Comments: The record from the Canaries (as f. *planiscula* Foslie) is regarded as questionable (see John et al. 1994).

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

Synonym: *Pseudolithophyllum esperi* Me. Lemoine
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Lithophyllum geometricum* Me. Lemoine**

Synonyms: *Dermatolithon geometricum* (Me. Lemoine) E.Y. Dawson; *Titanoderma geometricum* (Me. Lemoine) J.H. Price et al.
Distribution: Canary Islands: John et al. 1994; Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum gracile* Foslie**

Distribution: Cape Verde Islands: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum incrustans* Phil.**

Synonym: *Lithothamnion incrustans* Phil.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1994; Mauritanie: John et al. 1994; Cape Verde Islands: John et al. 1994; São Tomé: John et al. 1994.

***Lithophyllum irregulare* (Foslie) P. Huvé ex Steentoft**

Synonyms: *Lithothamnion irregulare* Foslie; *Pseudolithophyllum irregulare* (Foslie) W.H. Adey; *Tenarea irregularis* (Foslie) Me. Lemoine
Distribution: Canary Islands: Haroun et al. 2002; São Tomé: John et al. 2003 (as *P. irregulare*).
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum kotschyannum* Unger**

Synonym: *Lithophyllum kaiseri* (Heydr.) Heydr.
Distribution: Annobon: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum leptothalloideum* Pilg.**

Distribution: Annobon: John et al. 1994.
Comments: Status and taxonomic position uncertain, see Woelkerling et al. (1998).

***Lithophyllum lobatum* Me. Lemoine**

Synonym: *Pseudolithophyllum lobatum* (Me. Lemoine) Verlaque & Boudour.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; North Sénégal: John et al. 1994; Cape Verde Islands: John et al. 1994.

***Lithophyllum mildbraedii* Pilg.**

Synonyms: *Lithophyllum retusum* Foslie; *Pseudolithophyllum mildbraedii* (Pilg.) De Toni

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1994; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 1994; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Annobon: John et al. 1994.

***Laurencia scoparia* J. Agardh**

Synonym: *Laurencia filiformis* (C. Agardh) Mont.

Distribution: North Sénégal: John et al. 1994 and Harper & Garbary (as *L. filiformis*).

***Laurencia tenera* Tseng**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1994; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; St. Helena: John et al. 1994.

***Laurencia tuberculosa* J. Agardh**

Distribution: São Tomé: John et al. 1994?

Comments: For discussion of its correct identification, see John et al. (1994).

***Laurencia undulata* Yamada**

Distribution: North Sénégal: John et al. 1994.

Comments: For discussion of its correct identification, see John et al. (1994).

***Laurencia viridis* Gil-Rodr. & Haroun**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Lejolisia mediterranea* Bornet**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Leptofaucheia brasiliensis* A.B. Joly**

Distribution: Canary Islands: Haroun et al. 2002.

***Leptofaucheia rhodymenioides* W.R. Taylor**

Distribution: Cape Verde Islands: John et al. 1994.

***Leptophyton bornetii* (Foslie) W.H. Adey**

Distribution: Canary Islands: John et al. 1994.

Comments: See comments in John et al. (1994) and Woelkerling et al. (1998).

***Leptophyton ferox* (Foslie) Y.M. Chamb. & Keats**

Distribution: Namibia: Rull Lluich 2002.

Comments: For discussion on its taxonomic position, see Woelkerling et al. (1998).

***Leptophyton foveatum* Y.M. Chamb. & Keats**

Distribution: Namibia: Rull Lluich 2002.

Comments: For discussion on its taxonomic position, see Woelkerling et al. (1998).

***Leptosiphonia schousboei* (Thur.) Kylin**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994; Ascension: John et al. 1994.

***Liagora albicans* J.V. Lamour.**

Synonym: *Liagora decussata* Mont.

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Liagora canariensis* Børgesen**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Liagora ceranoides* J.V. Lamour.**

Synonym: *Liagora pulverulenta* C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994; Ascension: John et al. 1994.

***Liagora distenta* (Mert. ex Roth) J.V. Lamour.**

Synonyms: *Liagora complanata* C. Agardh; *Liagora ramellosa* Sond. ex Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994.

***Liagora galtsjöfi* M. Howe**

Distribution: Cape Verde Islands: Haroun 1998?

Comments: Record from the Cape Verde Islands is not identified with certainty.

***Liagora gymmnarthron* Børgesen**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001?; Canary Islands: Haroun et al. 2002.

Comments: For doubt attaching to the record from the Salvage Islands, see Neto et al. (2001).

***Liagora maderensis* Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Liagora tetrasporifera* Børgesen**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Liagora valida* Harv.**

Synonym: *Liagora fragilis* Zanardini

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994 (as *L. fragilis*).

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

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994; St. Helena: John et al. 1994.

***Jania tenella* Kütz.**

Synonym: *Corallina tenella* Kütz.

Distribution: Cape Verde Islands: Price et al. 1992.

***Jania verrucosa* J.V. Lamour.**

Distribution: Mauritania: Price et al. 1992?; Cape Verde Islands: Price et al. 1992; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: Price et al. 1992; Angola: Price et al. 1992.

Comments: For doubt concerning the Mauritania record and additional comments on West African material, see Price et al. (1992).

***Kallymenia agardhii* R.E. Norris**

Distribution: Namibia: Rull Lluich 2002.

***Kallymenia feldmannii* Codomier**

Distribution: Canary Islands: Haroun et al. 2002.

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

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

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Kallymenia requienii* J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Kallymenia schizophylla* J. Agardh**

Distribution: North Sénégal: Price et al. 1992; Cape Verde Islands: Price et al. 1992; Namibia: Rull Lluich 2002.

***Kallymenia westii* Ganesan**

Distribution: Canary Islands: Price et al. 1992.

Comments: Originally incorrectly identified as *Kallymenia perforata* J. Agardh (Haroun, pers. comm.).

***Laurencia brachyclados* Pilg.**

Distribution: Ascension: John et al. 1994; Annobon: John et al. 1994.

Comments: For discussion of its taxonomic position, see John et al. (1994).

***Laurencia brongiartii* J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

***Laurencia canariensis* Mont.**

Distribution: Canary Islands: John et al. 1994.

***Laurencia chondrioides* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002.

***Laurencia cruciata* Harv.**

Distribution: St. Helena: John et al. 1994.

Comments: For discussion of its taxonomic position, see John et al. (1994).

***Laurencia flexilis* Setch.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Laurencia flexuosa* Kütz.**

Distribution: Mauritanie: John et al. 1994.

Comments: For discussion of its taxonomic position, see John et al. (1994).

***Laurencia galtsoffii* M. Howe**

Distribution: Cape Verde Islands: John et al. 1994; Liberia: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003.

***Laurencia intricata* J.V. Lamour.**

Synonym: *Laurencia implicata* J. Agardh

Distribution: Salvage Islands: Parente et al. 2001 (as *L. implicata*); Canary Islands: Haroun et al. 2002; North Sénégal: John et al. 1994 (as *L. implicata*); Cape Verde Islands: John et al. 1994 (as *L. implicata*); Sierra Leone: John et al. 1994; São Tomé: John et al. 2003.

Comments: For discussion of its correct identification, see John et al. (1994); for its nomenclature, see Silva et al. (1996).

***Laurencia lata* M. Howe & W.R. Taylor**

Distribution: North Sénégal: Harper & Garbary 1997.

***Laurencia majuscula* (Harv.) Lucas**

Distribution: Madeira: Neto et al. 1994; Salvage Islands: John et al. 1994; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; Cape Verde Islands: John et al. 1994; Gambia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.

***Laurencia microcladia* Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1994; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1994.

***Laurencia minuta* Van der Meulen et al.**

Distribution: Canary Islands: Haroun et al. 2002.

***Laurencia nidifica* J. Agardh**

Distribution: Madeira: Neto et al. 2001?; Cape Verde Islands: John et al. 1994; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; St. Helena: John et al. 1994.

Comments: The record for Madeira (Deserta Grande) is considered doubtful by Neto et al. (2001).

***Laurencia obtusa* (Huds.) J.V. Lamour.**

Synonym: *Chondriopsis subtilis* (Kütz.) J. Agardh

***Hypnea spicifera* (Suhr) Harv.**

Distribution: Namibia: Rull Lluich 2002.

***Hypnea spinella* (C. Agardh) Kütz.**

Synonym: *Hypnea cervicornis* J. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1992; Mauritanie: Price et al. 1992; North Sénégal: Price et al. 1992 and Harper & Garbary 1997 (as *H. cervicornis*); Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003 (also as *H. cervicornis*); Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003 (also as *H. cervicornis*); Liberia: John et al. 2003 (as *H. cervicornis*); Ghana: John et al. 2003 (also as *H. cervicornis*); Principe: John et al. 2003 (as *H. cervicornis*); São Tomé: John et al. 2003 (also as *H. cervicornis*); Gabon: John et al. 2003 (also as *H. cervicornis*); Angola: Price et al. 1992; Ascension: Price et al. 1992; Annobon: Price et al. 1992.

***Hypnea tenuis* Kylin**

Distribution: Namibia: Rull Lluich 2002.

***Hypnea unilateralis* P.J.L. Dang.**

Distribution: Western Sahara: Price et al. 1992; Mauritanie: Price et al. 1992; North Sénégal: Harper & Garbary 1997.

***Hypnea valentiae* (Turner) Mont.**

Synonym: *Hypnea cornuta* (J.V. Lamour.) J. Agardh

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Price et al. 1992; Cape Verde Islands: Price et al. 1992; Guinée: Price et al. 1992; Ghana: John et al. 2003; São Tomé: Price et al. 1992?
Comments: Records from Guinée and São Tomé are considered doubtful, see comments in Price et al. (1992).

***Hypneocolax stellaris* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Hypoglossum abyssicolum* W.R. Taylor**

Distribution: Angola: Price et al. 1992.

***Hypoglossum guineense* G.W. Lawson & D.M. John**

Distribution: Ghana: John et al. 2003.

***Hypoglossum hypoglossoides* (Stackh.) Collins & Herv.**

Synonyms: *Delesseria hypoglossum* J.V. Lamour.; *Hypoglossum woodwardii* (Kütz.) Rabenh.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1992; Mauritanie: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992.

***Iridaea elongata* Suhr**

Distribution: Namibia: Rull Lluich 2002.

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

Synonym: *Platoma marginiferum* (J. Agardh) Batters
Distribution: Canary Islands: Haroun et al. 2002.

***Janczewskia verrucaeformis* Solms**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Jania adhaerens* J.V. Lamour.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992; North Sénégal: Price et al. 1992; Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: Price et al. 1992; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; St. Helena: Price et al. 1992.

***Jania capillacea* Harv.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992; Cape Verde Islands: Price et al. 1992; Ghana: John et al. 2003; Gabon: John et al. 2003; Ascension: Price et al. 1992.

***Jania crassa* J.V. Lamour.**

Distribution: Cape Verde Islands: Price et al. 1992; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1992.

***Jania intermedia* (Kütz.) Grunow**

Synonym: *Corallina intermedia* (Kütz.) Grunow

Distribution: Madeira: Neto et al. 2001?

Comments: Neto et al. (2001) believes this is possibly a variety of *Jania rubens*.

***Jania longifurca* Zanardini**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992; North Sénégal: Price et al. 1992; Republic of the Congo: Price et al. 1992.

***Jania micrarthrodia* J.V. Lamour.**

Distribution: Canary Islands: Haroun et al. 2002?

Comments: For doubt concerning the Canary Island record, see Haroun et al. (2002).

***Jania pumila* J.V. Lamour.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Ascension: Price et al. 1992; St. Helena: Price et al. 1992.

***Jania rubens* (L.) J.V. Lamour.**

Synonyms: *Corallina rubens* L.; *Jania corniculata* (L.) J.V. Lamour.

Distribution: Madeira: Neto et al. 2001 (also as *J. corniculata*); Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Ascension: Price et al. 1992.

Heterosiphonia dubia (Suhr) Falkenb.
Distribution: Namibia: Rull Lluich 2002.

Heterosiphonia pellucida (Harv.) Falkenb.
Distribution: Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002.
Comments: For doubt expressed on the record from the Canary Islands, see Haroun et al. (2002).

Heterosiphonia plumosa (Ellis) Batters
Distribution: Western Sahara: Price et al. 1992.

Heydrichia groeneri Keats & Y.M. Chamb.
Distribution: Namibia: Rull Lluich 2002.

Hildenbrandia crouaniorum J. Agardh
Synonym: *Hildenbrandia canariensis* Børgesen
Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1992 (as *H. canariensis*); Namibia: Rull Lluich 2002.

Hildenbrandia occidentalis Setch.
Distribution: Canary Islands: Haroun et al. 2002.

Hildenbrandia rubra (Sommerf.) Menegh.
Synonym: *Hildenbrandia prototypus* Nardo
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; São Tomé: John et al. 2003; Namibia: Rull Lluich 2002; Ascension: Price et al. 1992.

Hydrolithon boergesenii (Foslie) Foslie
Distribution: São Tomé: John et al. 2003.

Hydrolithon boreale (Foslie) Y.M. Chamb.
Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

Hydrolithon cruciatum (Bressan) Penrose & Y.M. Chamb.
Distribution: Canary Islands: Haroun et al. 2002.

Hydrolithon farinosum (J.V. Lamour.) Penrose & Y.M. Chamb.
Synonyms: *Fosliella farinosa* (J.V. Lamour.) M. Howe; *Melobesia farinosa* J.V. Lamour.; *Melobesia farinacea* J.V. Lamour.; *Melobesia solmsii* Bornet ex Me. Lemoine
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1986 (as *F. farinosa*); North Sénégal: Price et al. 1986 (as *F. farinosa*); Cape Verde Islands: Price et al. 1986 (as *F. farinosa*); Gambia: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; St. Helena: Price et al. 1986 (as *F. farinosa*).

Hydrolithon onkodes (Heydr.) Penrose & Woelk.
Synonym: *Porolithon onkodes* (Heydr.) Foslie

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson et al. 1995 (as *P. onkodes*); Ghana: John et al. 2003 (as *P. onkodes*); São Tomé: John et al. 2003 (as *P. onkodes*).

Hydrolithon samoëse (Foslie) Keats & Y.M. Chamb.
Synonyms: *Lithophyllum samoëse* Foslie; *Lithophyllum ilitus* Me. Lemoine; *Neogonolithon ilitus* (Me. Lemoine) Afonso-Carr.; *Spongites wilddpretii* Afonso-Carr.
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994 (as *N. ilitus*).

Hymenena venosa (L.) Krauss
Distribution: North Sénégal: Price et al. 1992; Namibia: Rull Lluich 2002.

Hypnea arbuscula P.J.L. Dang.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003.

Hypnea cenomyce J. Agardh
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Sierra Leone: John et al. 2003.

Hypnea divaricata Grev.
Distribution: Cape Verde Islands: Price et al. 1992.

Hypnea ecklonii Suhr
Synonym: *Hypnea ceramioides* Kütz.
Distribution: Mauritania: Price et al. 1992 (as *H. ceramioides*); North Sénégal: Harper & Garbary 1997 (as *H. ceramioides*); Namibia: Rull Lluich 2002.

Hypnea flagelliformis Grev. ex J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Liberia: Price et al. 1992; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.

Hypnea musciformis (Wulfen) J.V. Lamour.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1992; Mauritania: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003; Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1992; Angola: Price et al. 1992; Namibia: Rull Lluich 2002.

Hypnea pannosa J. Agardh
Distribution: North Sénégal: Price et al. 1992; Cape Verde Islands: Price et al. 1992.

***Halymenia floresia* (Clemente) C. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2000; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992; Sierra Leone: Price et al. 1992. Comments: For doubt concerning the Sierra Leone record, see Price et al. (1992).

***Halymenia floridana* J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Halymenia hancockii* W.R. Taylor**

Distribution: Madeira: Neto et al. 2001; North Sénégal: Harper & Garbary 1997.

***Halymenia latifolia* P. Crouan & H. Crouan ex Kütz.**

Distribution: Canary Islands: Haroun et al. 2002.

***Halymenia rosea* M. Howe & W.R. Taylor**

Distribution: Canary Islands: Haroun et al. 2002.

***Halymenia senegalensis* M. Bodard**

Distribution: North Sénégal: Harper & Garbary 1997.

Comment: Probably belongs to *Sebdenia* (Soler-Onís, pers. comm.).

***Halymenia vinacea* M. Howe & W.R. Taylor**

Synonym: *Halarachnion latifolia* P. Crouan & H. Crouan

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

***Haraldia lenormandii* (Derbès & Sol.) Feldmann**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Haraldiophyllum bonnemaisonii* (Kyllin) A. Zinova**

Distribution: Namibia: Rull Lluich 2002.

Comments: For discussion on the Namibian material, see Rull Lluich 2002.

***Helminthopsis purpuriferum* (J. Agardh) Papenf.**

Synonym: *Acrosymphyton purpuriferum* (J. Agardh) Sjöstedt

Distribution: Madeira: Neto et al. 2001 (as *A. purpuriferum*); Salvage Islands: Parente et al. 2001 (as *A. purpuriferum*); Canary Islands: Haroun et al. 2002 (as *A. purpuriferum*); Cape Verde Islands: Otero-Schmitt 1994.

***Helminthocladia agardhiana* P.S. Dixon**

Distribution: Canary Islands: Haroun et al. 2002.

***Helminthocladia calvadosii* (J.V. Lamour. ex Duby) Setch.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Helminthocladia senegalensis* M. Bodard**

Distribution: North Sénégal: Harper & Garbary 1997.

***Helminthora stackhousei* (Clemente) Cremades & Per.-Cir.**

Synonym: *Helminthora divaricata* (C. Agardh) J. Agardh

Distribution: Madeira: Neto et al. 2001 (as '*Helminthocladia*' *stackhousei*); Canary Islands: Haroun et al. 2002.

***Heringia mirabilis* (C. Agardh) J. Agardh**

Distribution: Namibia: Rull Lluich 2002.

***Herposiphonia brachyclados* Pilg.**

Distribution: Ascension: Price et al. 1992; Annobon: Price et al. 1992.

***Herposiphonia didymosporangia* Stegenga & Kemperman**

Distribution: Namibia: Rull Lluich 2002.

***Herposiphonia guineensis* G.W. Lawson & D.M. John**

Distribution: Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003.

***Herposiphonia heringii* (Harv.) Falkenb.**

Distribution: Namibia: Rull Lluich 2002.

***Herposiphonia parvula* (Suhr ex Kütz.) De Toni**

Distribution: Canary Islands: Price et al. 1992.

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

Synonyms: *Herposiphonia tenella* var. *secunda* Hollenberg; *Polysiphonia secunda* (C. Agardh) Mont.; *Polysiphonia tenella* J. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002, Mauritanie: Price et al. 1992; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1992; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Angola: Price et al. 1992; Ascension: Price et al. 1992.
Comments: The var. *densa* has been recorded from Cameroun, Côte d'Ivoire, Ghana, Liberia, North Sénégal and Togo, see Price et al. (1992).

***Heterosiphonia crispa* (Suhr) Falkenb.**

Distribution: Namibia: Rull Lluich 2002?

Comments: For remarks on the absence of taxonomic differences between *H. crispa* and *H. crispella*, see Rull Lluich (2002).

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

Synonyms: *Dasya wurdemannii* Bailey ex Harv.; *Heterosiphonia wurdemannii* (Bailey ex Harv.) Falkenb.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1992 (as *D. wurdemannii*); Cape Verde Islands: Price et al. 1992 (as *D. wurdemannii*) Ghana: John et al. 2003; Angola: Price et al. 1992; Namibia: Rull Lluich 2002; Ascension: Price et al. 1992.

Comments: The var. *laxa* has been recorded from Madeira, the Salvage Islands, the Canary Islands, Ghana, North Sénégal and Namibia. See also comments under *H. crispa*.

John et al. 2003; Côte d'Ivoire: John et al. 2003; Nigeria: John et al. 2003; Angola: Price et al. 1988.

***Gymnophycus hapsiphorus* Huisman & Kraft**

Distribution: Canary Islands: Haroun et al. 2002.

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

Synonyms: *Plumaria bipinnata* (Collins & Herv.) De Toni; *Plumaria schousboei* (Bornet) F. Schmitz

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ascension: Price et al. 1988.

***Gymnothamnion pteroton* (Schousb. ex Bornet) Athanas.**

Synonym: *Anthamnion pteroton* Schousb. ex Bornet

Distribution: Canary Islands: Price et al. 1986.

Comments: Doubt has been expressed concerning its occurrence in the Canary Islands, see Haroun et al. (2002).

***Haematocelis epiphytica* Baardseth**

Distribution: Namibia: Rull Lluich & Gómez Garreta 2002.

Comments: According to Rull Lluich & Gómez Garreta (2002), the relation of this alga to *Schizymenia apoda* (J. Agardh) J. Agardh has to be studied in detail.

***Halarachnion ligulatum* (Woodw.) Kütz.**

Synonym: *Halymenia ligulata* (Woodw.) C. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Halichrysis depressa* (J. Agardh) F. Schmitz**

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003; Bioko: John et al. 2003.

***Haliptilon cubense* (Mont. ex Kütz.) Garbary & H.W. Johans.**

Synonym: *Corallina cubensis* (Mont. ex Kütz.) Kütz.

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992.

***Haliptilon squamatum* (L.) H.W. Johans. et al.**

Synonym: *Corallina squamata* L.

Distribution: Madeira: Neto et al. 2001?; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1992; North Sénégal: Harper & Garbary 1997.

Comments: Considered a doubtful record for Madeira by Neto et al. (2001).

***Haliptilon subulatum* (J. Ellis & Sol.) H.W. Johans.**

Distribution: Mauritania: Price et al. 1992; Liberia: John et al. 2003; Ghana: John et al. 2003.

***Haliptilon virgatum* (Zanardini) Garbary & H.W. Johans.**

Synonyms: *Corallina granifera* J. Ellis & Sol.; *Corallina lobata* J.V. Lamour.; *Corallina virgata* Zanardini; *Jania granifera* Decne.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986 (as *C. granifera*).

***Halopithys incurva* (Huds.) Batters**

Synonyms: *Halopithys pinastroides* (S.G. Gmel) Kütz.; *Lophura episcopalis* (Mont.) Kütz.; *Rhodomela episcopalis* (Mont.) Endl.; *Rhodomela pinastroides* C. Agardh; *Rytiplalaea pinastroides* C. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1992.

***Halurus equisetifolius* (Lightf.) Kütz.**

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1992.

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

Synonyms: *Griffithsia arachnoidea* C. Agardh; *Griffithsia flosculosa* (J. Ellis) Batters; *Griffithsia setacea* (J. Ellis) C. Agardh

Distribution: Canary Islands: Haroun et al. 2002? (as *G. arachnoidea*); Cape Verde Islands: Price et al. 1988 (as *G. arachnoidea*).

Comments: For doubt concerning the Canary Island record, see Haroun et al. (2002), and for complications surrounding the synonymy, see Maggs & Hommersand (1993).

***Halydictyon mirabile* Zanardini**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1992; Sierra Leone: Price et al. 1992? Comments: For doubt attaching to the Sierra Leone record, see Price et al. (1992 as *Halydictyon*).

***Halymenia actinophysa* M.A. Howe**

Distribution: Mauritania: Price et al. 1992; Ghana: John et al. 2003.

***Halymenia bernudensis* Collins & M. Howe**

Distribution: Salvage Islands: Neto et al. 2001.

Comments: Doubtful record from the Salvage Islands, see comments in Neto et al. (2001).

***Halymenia duchsaingii* (J. Agardh) Kylin**

Distribution: Cape Verde Islands: Haroun 1998; Cameroun: John et al. 2003; Gabon: John et al. 2003.

***Halymenia elongata* C. Agardh**

Synonyms: *Halymenia agardhii* De Toni; *Halymenia trigona* (Clemente) C. Agardh
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997 (as *H. agardhii*); Cape Verde Islands: Haroun 1998; Ghana: John et al. 2003 (as *H. agardhii*).

Comments: For uncertainty concerning its taxonomic status, see Price et al. (1992).

***Halymenia fasciata* Bory**

Distribution: North Sénégal: Price et al. 1992.

***Gracilariopsis longissima* (S.G. Gmel.) Steentoft et al.**
Distribution: Namibia: Rull Lluch 2002.

***Grallatoria reptans* M. Howe**
Distribution: Canary Islands: Haroun et al. 2002.

***Grateloupia dichotoma* J. Agardh**
Distribution: Canary Islands: Haroun et al. 2002.

***Grateloupia filicina* (J.V. Lamour.) C. Agardh**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1988; Senegambia: Price et al. 1988; Gambia: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Angola: Price et al. 1988; Namibia: Rull Lluch 2002; St. Helena: Price et al. 1988.

***Grateloupia longifolia* Kylin**
Distribution: Namibia: Rull Lluch 2002.

***Grateloupia scutellata* Kütz.**
Distribution: Cape Verde Islands: Price et al. 1988.

***Grateloupia senegalensis* M. Bodard**
Distribution: North Sénégal: Harper & Garbary 1997.

***Grateloupia turuturu* Yamada**
Synonym: *Grateloupia doryphora* (Mont.) M. Howe, *Grateloupia lanceolata* J. Agardh
Distribution: Canary Islands: Haroun et al. 2002 (as *G. doryphora*); Mauritanie: Price et al. 1988 (as *G. doryphora*); North Sénégal: Harper & Garbary 1997 (as *G. doryphora*); Senegambia: Price et al. 1988 (as *G. doryphora*); Gambia: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Angola: Price et al. 1988 (as *G. doryphora*); Namibia: Rull Lluch 2002 (as *G. doryphora*).

***Griffithsia capitata* Børgesen**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Griffithsia confervoides* Suhr**
Synonym: *Griffithsia cymosa* Simons
Distribution: Namibia: Rull Lluch 2002.

***Griffithsia corallinoides* (L.) Trevis.**
Synonym: *Griffithsia corallina* (Lightf.) C. Agardh
Distribution: Canary Islands: Price et al. 1988?
Comments: Considerable doubt attaches to the record from the Canaries since based on sterile material, see Price et al. (1988).

***Griffithsia opuntioides* J. Agardh**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988?; North Sénégal: Harper & Garbary 1997; Angola: Price et al. 1988.
Comments: The material from Western Sahara was sterile and it was therefore not possible to attribute it with certainty either to *Griffithsia opuntioides* or *G. schousboei*.

***Griffithsia phyllamphora* J. Agardh**
Distribution: Canary Islands: Haroun et al. 2002.

***Griffithsia radicans* Kütz.**
Distribution: Canary Islands: Haroun et al. 2002.

***Griffithsia schousboei* Mont.**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988?; Guinée: Price et al. 1988; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.
Comments: See under *G. opuntioides*.

***Gulsonia ecoricata* G.W. Lawson & D.M. John**
Distribution: Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Ghana: John et al. 2003.

***Gymnogongrus crenulatus* (Turner) J. Agardh**
Synonym: *Gymnogongrus norvegicus* (Gunnerus) J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1988; Cape Verde Islands: Price et al. 1988.

***Gymnogongrus dilatatus* (Turner) J. Agardh**
Synonym: *Actinococcus latior* F. Schmitz
Distribution: Namibia: Rull Lluch 2002.

***Gymnogongrus griffithsiae* (Turner) Mart.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1988; Sierra Leone: Price et al. 1988?; Ghana: John et al. 2003?
Comments: Considerable doubt attaches to the records from Sierra Leone and Ghana, see Price et al. (1988).

***Gymnogongrus nigricans* P.J.L. Dang.**
Distribution: North Sénégal: Harper & Garbary 1997; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Benin: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2002; Angola: Price et al. 1988.

***Gymnogongrus patens* (Gooden. & Woodw.) J. Agardh**
Distribution: Canary Islands: Price et al. 1988?
Comments: Only recorded with doubt from the Canaries (see comments in Price et al. 1988) and not mentioned from these islands by Haroun et al. (2002).

***Gymnogongrus tenuis* (J. Agardh) J. Agardh**
Distribution: North Sénégal: Harper & Garbary 1997; Gambia: John et al. 2003; Liberia: Price et al. 1988.

- Gloiocladia atlantica* (Searles) **R.E. Norris**
Distribution: Canary Islands: Haroun et al. 2002.
- Gloiocladia blomquistii* (Searles) **R.E. Norris**
Distribution: Canary Islands: Haroun et al. 2002.
- Gloioderma saccatum* (**J. Agardh**) **Kylin**
Synonym: *Chrysomenia saccata* J. Agardh
Distribution: Madeira: Neto et al. 2001.
- Gracilaria armata* (**C. Agardh**) **Grev.**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988; Mauritanie: Price et al. 1988.
- Gracilaria bursa-pastoris* (**S.G. Gmel.**) **P.C. Silva**
Synonym: *Gracilaria compressa* (C. Agardh) Grev.
Distribution: Mauritanie: Price et al. 1988 (as *G. compressa*); North Sénégal: Harper & Garbary 1997 (as *G. compressa*); Cape Verde Islands: Price et al. 1988 (as *G. compressa*).
- Gracilaria camerunensis* **Pilg.**
Distribution: North Sénégal: Harper & Garbary 1997; Cameroun: John et al. 2003.
- Gracilaria cervicornis* (**Turner**) **J. Agardh**
Synonym: *Gracilaria ferox* J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003.
- Gracilaria conferta* (**Schousb. ex Mont.**) **Mont.**
Synonym: *Cordylecladia conferta* (Schousb.) J. Agardh
Distribution: Madeira: Neto et al. 2001 (as *C. conferta*).
- Gracilaria damacornis* **J. Agardh**
Distribution: North Sénégal: Harper & Garbary 1997.
- Gracilaria disputabilis* (**M. Bodard**) **M. Bodard**
Distribution: North Sénégal: Harper & Garbary 1997; South Sénégal: Price et al. 1988; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.
- Gracilaria dura* (**C. Agardh**) **J. Agardh**
Synonym: *Gracilaria rubra* (C. Agardh) J. Agardh
Distribution: Canary Islands: Haroun et al. 2002.
- Gracilaria gracilis* (**Stackh.**) **Steenfot et al.**
Synonyms: *Gracilaria confervoides* (L.) Grev., nom. illeg.; *Gracilaria verrucosa* (Huds.) Papenf.
Distribution: Madeira: Neto et al. 2001 (as *G. verrucosa*); Salvage Islands: Parente et al. 2001 (as *G. verrucosa*); Canary Islands: Haroun et al. 2002 (as *G. verrucosa* and *G. confervoides*); Western Sahara: Price et al. 1988 (as *G. verrucosa*); Mauritanie: Price et al. 1988 (as *G. verrucosa*); North Sénégal: Harper & Garbary 1997 (as *G. verrucosa*); South Sénégal: Rull Lluh 2002.
- gal: Price et al. 1988 (as *G. verrucosa*); Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Republic of the Congo: Price et al. 1988 (as *G. verrucosa*); Angola: Price et al. 1988 (as *G. verrucosa*); Namibia: Rull Lluh 2002.
Comments: There has been considerable confusion surrounding the 'stringy' gracilarioids in the region, see discussion in Silva et al. (1996).
- Gracilaria henriquesiana* **Hariot**
Synonym: *Hydropuntia henriquesiana* (Hariot) M.J. Wynne
Distribution: São Tomé: John et al. 2003.
Comments: Possibly belongs to *Gracilaria rangiferina*, see Price et al. (1992).
- Gracilaria longa* **Gargiulo et al.**
Distribution: Canary Islands: Haroun et al. 2002.
- Gracilaria mamillaris* (**Mont.**) **M. Howe**
Distribution: North Sénégal: Harper & Garbary 1997.
- Gracilaria multipartita* (**Clemente**) **Harv.**
Synonyms: *Gracilaria corallicola* Zanardini; *Gracilaria foliifera* (Forssk.) Børgesen; *Gracilaria lacinulata* (H. West) M. Howe
Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1988; Ghana: John et al. 2003.
Comments: For comments concerning the status of records of *Gracilaria foliifera* in the Atlantic Ocean, see Hardy & Guiry (2003).
- Gracilaria occidentalis* (**Borgesen**) **M. Bodard**
Distribution: North Sénégal: Harper & Garbary 1997.
- Gracilaria rangiferina* (**Kütz.**) **Picc.**
Synonyms: *Gracilaria angustissima* (Harv.) M. Bodard; *Gracilaria dentata* J. Agardh, nom. illeg.; *Hydropuntia dentata* (J. Agardh) M.J. Wynne; *Polycavernosa dentata* (J. Agardh) G. Lawson & D.M. John
Distribution: Mauritanie: Price et al. 1992 (as *H. dentata*); North Sénégal: Harper & Garbary 1997 (as *P. dentata*); Cape Verde Islands: Price et al. 1992 (as *H. dentata*) and Price et al. 1988 (as *G. angustissima* and as *P. dentata*); Senegambia: Price et al. 1988 (as *P. dentata*); Gambia: John et al. 2003 (as *H. dentata*); South Sénégal: Price et al. 1988 (as *H. dentata*); Liberia: John et al. 2003 (as *H. dentata*); Côte d'Ivoire: John et al. 2003 (as *H. dentata*); Ghana: John et al. 2003 (as *H. dentata*); Nigeria: John et al. 2003 (as *H. dentata*); Cameroun: John et al. 2003 (as *H. dentata*); São Tomé: John et al. 2003 (as *H. dentata*); Gabon: John et al. 2003 (as *H. dentata*); Cabinda: Price et al. 1988 (as *P. dentata*); Angola: Price et al. 1988 (as *P. dentata*).
- Gracilariopsis lemaneiformis* (**Bory**) **E.Y. Dawson et al.**
Synonym: *Gracilaria lemaneiformis* (Bory) Grev.
Distribution: North Sénégal: Harper & Garbary 1997 (as *Gracilaria lemaneiformis*); Namibia: Rull Lluh 2002.

John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Angola: Price et al. 1988; Annobon: Price et al. 1988.

***Gelidium arbuscula* Bory ex Børgesen**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Guinée: John et al. 2003; Côte d'Ivoire: John et al. 2003.

Comments: Records other than those from the Canaries are considered doubtful, see comments in Price et al. (1988).

***Gelidium canariensis* (Grunow) Seoane-Camba ex Haroun et al.**

Synonyms: *Gelidium cartilagineum* (L.) Gaillon; *Gelidium versicolor* (S.G. Gmel.) J.V. Lamour.

Distribution: Canary Islands: Haroun et al. 2002.

***Gelidium corneum* (Huds.) J.V. Lamour.**

Synonym: *Gelidium sesquipedale* (Clemente) Thur.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Price et al. 1988; Western Sahara: Price et al. 1988 (as *G. sesquipedale*); Mauritanie: Price et al. 1988 (as *G. sesquipedale*); North Sénégal: Harper & Garbary 1997 (as *G. sesquipedale*); Cape Verde Islands: Price et al. 1988; Gambia: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Nigeria: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1988.

Comments: Considerable confusion surrounds the species concept and its status in the West African region, see comments in Price et al. (1988).

***Gelidium crinale* (Turner) Gaillon**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1988.

***Gelidium elminense* Dickinson**

Distribution: Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.

***Gelidium flaccidum* P.J.L. Dang.**

Distribution: Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997.

***Gelidium foliosum* P.J.L. Dang.**

Distribution: Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997. Comments: Considerable confusion surrounds the species concept and its status in the West African region, see comments in Price et al. (1988).

***Gelidium microdon* Kütz.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988.

***Gelidium micropterum* Kütz.**

Distribution: North Sénégal: Harper & Garbary 1997; Angola: Price et al. 1988; Namibia: Rull Lluich 2002?

Comments: For doubt concerning the Namibian record (possible also applicable to other West African records), see comments in Rull Lluich (2002).

***Gelidium pteridifolium* R.E. Norris et al.**

Distribution: Namibia: Rull Lluich 2002.

***Gelidium pusillum* (Stackh.) Le Jol.**

Synonyms: *Gelidium pusillum* var. *pulvinatum* (C. Agardh) Feldmann; *Gelidium pulchellum* (Turner) Kütz.; *Gelidium pulvinatum* (Kütz.) Thur. ex Bornet; *Gelidium reptans* (Suhr) Kylin

Distribution: Madeira: Neto et al. 2001 (also as *G. pulvinatum*); Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997 (also as *G. pulchellum*); Cape Verde Islands: Price et al. 1988 and Orgero-Schmitt 1994 (as *G. reptans*); Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1988; Namibia: Rull Lluich 2002; Ascension: Price et al. 1988.

***Gelidium senegalensis* Feldmann mscr.**

Distribution: Northern Senegal: Harper & Garbary 1997.

Comments: A nomen nudum, see Price et al. (1986).

***Gelidium serrularum* J. Agardh**

Distribution: Angola: Price et al. 1988.

***Gelidium spathulatum* (Kütz.) Bornet**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

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

Synonyms: *Gelidium corneum* sensu Børgesen; *Gelidium latifolium* (Grev.) Bornet & Thur.; *Gelidium pectinatum* (Schousb.) Mont.

Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988 (as *G. latifolium*); North Sénégal: Harper & Garbary 1997 (as *G. latifolium*); Namibia: Rull Lluich 2002? (as *G. latifolium*).

Comments: Expressed doubt concerning Namibia is because the material was only tentatively identified, see Rull Lluich (2002).

***Gigartina bracteata* (S.G. Gmel.) Setch. & N.L. Gardner**

Distribution: Namibia: Rull Lluich 2002.

***Gigartina pistillata* (S.G. Gmel.) Stackh.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997.



***Flahaultia appendiculata* Bornet**

Distribution: Angola: Price et al. 1986.

***Flahaultia palmata* Barton**

Distribution: Angola: Price et al. 1986.

***Fostiella paschalis* (Me. Lemoine) Setch. & N.L. Gardner**

Distribution: Canary Islands: Haroun et al. 2002.

***Galaxaura filamentosa* R. Chou**

Distribution: São Tomé: John et al. 2003.

***Galaxaura marginata* (J. Ellis & Sol.) J.V. Lamour.**

Distribution: Senegambia: Price et al. 1988; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003.

***Galaxaura obtusata* (J. Ellis & Sol.) J.V. Lamour.**

Synonyms: *Galaxaura decaisnei* J. Agardh; *Galaxaura umbellata* J.V. Lamour.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1988; Sierra Leone: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1988.

***Galaxaura rugosa* (J. Ellis & Sol.) J.V. Lamour.**

Synonyms: *Actinotrichia lapidescens* F. Schmitz; *Galaxaura annulata* J.V. Lamour.; *Galaxaura coarctata* Kjellm.; *Galaxaura elongata* J. Agardh; *Galaxaura flagelliformis* Kjellm.; *Galaxaura lapidescens* (J. Ellis & Sol.) J.V. Lamour.; *Galaxaura squalida* Kjellm.; *Galaxaura subfruticulosa* R. Chou
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1988; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Ascension: Price et al. 1988; St. Helena: Price et al. 1988 (as *G. lapidescens*).

***Ganonema farinosum* (J.V. Lamour.) K.C. Fan & Yung C. Wang**

Synonyms: *Liagora elongata* Zanardini; *Liagora farinosa* J.V. Lamour.
Distribution: Salvage Islands: Price et al. 1988 (as *L. farinosa*); Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1988 (as *L. farinosa*); Príncipe: John et al. 2003; São Tomé: John et al. 2003.
Comments: For doubt concerning the Príncipe record and the misidentification of material from São Tomé as *Liagora megalyra*, see remarks in John et al. (1994). Parente et al. (2001) record *Ganonema* sp. from the Salvage Islands.

***Ganonema lubrica* Afonso-Carr. et al.**

Distribution: Canary Islands: Haroun et al. 2002.

***Gastroclonium clavatum* (Roth) Ardiss.**

Distribution: Canary Islands: Haroun et al. 2002.

***Gastroclonium ovatum* (Huds.) Papenf.**

Synonym: *Chylocladia ovalis* (Huds.) Grev.
Distribution: Mauritanie: Price et al. 1988.

***Gastroclonium reflexum* (Chauv.) Kütz.**

Synonym: *Lomentaria reflexa* Chauv.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Namibia: Rull Lluh 2002.

***Gelidiella acerosa* (Forssk.) Feldmann & Hamel**

Distribution: Cape Verde Islands: Otero-Schmitt 1994; Sierra Leone: John et al. 2003; São Tomé: John et al. 2002; Gabon: John et al. 2003.

***Gelidiella antipai* M. Celan**

Distribution: Canary Islands: Haroun et al. 2002.

***Gelidiella pannosa* (Feldmann) Feldmann & Hamel**

Synonym: *Gelidiella tenuissima* Feldmann & Hamel, nom. illeg.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1988.

***Gelidiella ramellosa* (Kütz.) Feldmann & Hamel**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001.

***Gelidiella tinensis* Seoane-Camba**

Distribution: Canary Islands: Haroun et al. 2002.

***Geliocolax microsphaericus* N.L. Gardner**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Geliopsis intricata* (C. Agardh) Vickers**

Synonyms: *Ceratodictyon intricatum* (C. Agardh) R.E. Norris; *Gelidium intricatum* Kütz.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1988; Ascension: Price et al. 1988.

***Geliopsis planicaulis* (W.R. Taylor) W.R. Taylor**

Synonym: *Ceratodictyon intricatum* var. *planicaulis* (W.R. Taylor) R.E. Norris
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1988; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Cameroun: John et al. 2003; Bio-ko: John et al. 2003?; Gabon: John et al. 2003.

***Geliopsis variabilis* (Grev. ex J. Agardh) F. Schmitz**

Synonyms: *Ceratodictyon intricatum* var. *variabilis* (Grev. ex J. Agardh) R.E. Norris; *Geliopsis gracilis* (Kütz.) Vickers
Distribution: Mauritanie: Price et al. 1988; North Sénégal: Harper & Garbary 1997; Gam-bia: John et al. 2003; South Sénégal: Price et al. 1988?; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana:

***Dohrniella antillarum* (W.R. Taylor) Feldm.-Maz.**

Distribution: Mauritanie: Marcot-Coquegniot 1991; North Senegal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Drachiella minuta* (Kyllin) Maggs & Hommers.**

Synonym: *Myriogramme minuta* (Kyllin) Rabenh.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dudresnaya canariensis* Tabares et al.**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Dudresnaya crassa* M. Howe**

Distribution: Canary Islands: Haroun et al. 2002?; North Sénégal: Price et al. 1986.

Comments: It is not certain that this species really occurs in the area, see Haroun et al. (2002) and Price et al. (1986).

***Dudresnaya verticillata* (With.) Le Jol.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.

***Dumontia canariensis* Mont.**

Distribution: Canary Islands: Haroun et al. 2002?

Comments: Status remains uncertain, see comments in Haroun et al. 2002.

***Epymenia capensis* (J. Agardh) Papenf.**

Synonym: *Rhodymenia capensis* J. Agardh
Distribution: Namibia: Rull Lluich 2002 (as *R. capensis*).

***Epymenia obtusa* (Grev.) Kütz.**

Synonym: *Rhodymenia obtusa* (Grev.) Womersley
Distribution: Namibia: Rull Lluich 2002 (as *R. obtusa*).

***Erythrocladia irregularis* Rosenf.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1979; North Senegal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003.

***Erythrocladia polystromatica* P.J.L. Dang.**

Distribution: Namibia: Rull Lluich 2002.
Comments: Only tentatively recorded for Namibia, see Rull Lluich (2002).

***Erythrocytis montagnei* (Derbès & Sol.) P.C. Silva**

Synonym: *Ricardia montagnei* Derbès & Sol.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; São Tomé: John et al. 2003.

***ErythroGLOSSUM laciniatum* (Lightf.) Maggs & Hommers.**

Synonyms: *Nitophyllum gmelinii* (J.V. Lamour.) Grev.; *Polyneura lacinata* (Lightf.) P. Dixon
Distribution: Madeira: Neto et al. 2001 (as *N. gmelinii*).

***ErythroGLOSSUM sandrianum* (Kütz.) Kylin**

Distribution: Madeira: Neto et al. 2001.

***ErythroGLOSSUM schousboei* J. Agardh**

Distribution: Western Sahara: Price et al. 1986.

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

Synonyms: *Erythrotrichia ceramica* Aresch.; *Erythrotrichia investiens* (Zanardini) Bor-net; *Erythrotrichia obscura* Berthold
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1979; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1979; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Gabon: John et al. 2003; Ascension: John et al. 1979.

***Erythrotrichia simplex* P.J.L. Dang.**

Distribution: Mauritanie: Marcot-Coquegniot 1991.

***Erythrotrichia welwitschii* (Ruprecht) Batters**

Distribution: Namibia: Rull Lluich 2002.

***Euhymenia schizophylla* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

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

Synonyms: *Dasya plana* (C. Agardh) Zanardini; *Dasyopsis plana* (C. Agardh) Zanardini
Distribution: Canary Islands: Haroun et al. 2002.

***Eupogodon spinellus* (C. Agardh) Kütz.**

Synonym: *Eupogodon cervicornis* (J. Agardh) Kütz.
Distribution: Canary Islands: Haroun et al. 2002.

***Eupilota pappeana* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

***Faucheia hassleri* M. Howe & W.R. Taylor**

Distribution: North Sénégal: Harper & Garbary 1997.

***Faucheia repens* (C. Agardh) Mont. & Bory**

Distribution: Canary Islands: Haroun et al. 2002.

***Feldmannophycus rayssiae* (Feldmann) Augier & Boudour.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dohrniella antillarum* (W.R. Taylor) Feldm.-Maz.**

Distribution: Mauritanie: Marcot-Coquegniot 1991; North Senegal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Drachiella minuta* (Kyllin) Maggs & Hommers.**

Synonym: *Myriogramme minuta* (Kyllin) Rabenh.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dudresnaya canariensis* Tabares et al.**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Dudresnaya crassa* M. Howe**

Distribution: Canary Islands: Haroun et al. 2002?; North Sénégal: Price et al. 1986.
Comments: It is not certain that this species really occurs in the area, see Haroun et al. (2002) and Price et al. (1986).

***Dudresnaya verticillata* (With.) Le Jol.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.

***Dumontia canariensis* Mont.**

Distribution: Canary Islands: Haroun et al. 2002?
Comments: Status remains uncertain, see comments in Haroun et al. 2002.

***Epymenia capensis* (J. Agardh) Papenf.**

Synonym: *Rhodymenia capensis* J. Agardh
Distribution: Namibia: Rull Lluich 2002 (as *R. capensis*).

***Epymenia obtusa* (Grev.) Kütz.**

Synonym: *Rhodymenia obtusa* (Grev.) Womersley
Distribution: Namibia: Rull Lluich 2002 (as *R. obtusa*).

***Erythrocladia irregularis* Rosenv.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: John et al. 1979; North Senegal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003.

***Erythrocladia polystromatica* P.J.L. Dang.**

Distribution: Namibia: Rull Lluich 2002.
Comments: Only tentatively recorded for Namibia, see Rull Lluich (2002).

***Erythrocytis montagnei* (Derbès & Sol.) P.C. Silva**

Synonym: *Ricardia montagnei* Derbès & Sol.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; São Tomé: John et al. 2003.

***ErythroGLOSSUM laciniatum* (Lightf.) Maggs & Hommers.**

Synonyms: *Nitophyllum gmelinii* (J.V. Lamour.) Grev.; *Polyneura lacinata* (Lightf.) P. Dixon
Distribution: Madeira: Neto et al. 2001 (as *N. gmelinii*).

***ErythroGLOSSUM sandrianum* (Kütz.) Kylin**

Distribution: Madeira: Neto et al. 2001.

***ErythroGLOSSUM schousboei* J. Agardh**

Distribution: Western Sahara: Price et al. 1986.

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

Synonyms: *Erythrotrichia ceramica* Aresch.; *Erythrotrichia investiens* (Zanardini) Bor-net; *Erythrotrichia obscura* Berthold
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: John et al. 1979; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 1979; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Gabon: John et al. 2003; Ascension: John et al. 1979.

***Erythrotrichia simplex* P.J.L. Dang.**

Distribution: Mauritanie: Marcot-Coquegniot 1991.

***Erythrotrichia welwitschii* (Ruprecht) Batters**

Distribution: Namibia: Rull Lluich 2002.

***Euhymenia schizophylla* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

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

Synonyms: *Dasya plana* (C. Agardh) Zanardini; *Dasyopsis plana* (C. Agardh) Zanardini
Distribution: Canary Islands: Haroun et al. 2002.

***Eupogodon spinellus* (C. Agardh) Kütz.**

Synonym: *Eupogodon cervicornis* (J. Agardh) Kütz.
Distribution: Canary Islands: Haroun et al. 2002.

***Eupilota pappeana* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

***Faucheia hassleri* M. Howe & W.R. Taylor**

Distribution: North Sénégal: Harper & Garbary 1997.

***Faucheia repens* (C. Agardh) Mont. & Bory**

Distribution: Canary Islands: Haroun et al. 2002.

***Feldmannophycus rayssiae* (Feldmann) Augier & Boudour.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

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

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.

***Crouania francescoi* Cormaci et al.**

Distribution: Mauritanie: Marcot-Coqueugniot 1991.

***Cryptonemia crenulata* (J. Agardh) J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

***Cryptonemia hibernica* Guiry & L.M. Irvine**

Distribution: Namibia: Rull Lluch 2002?

Comments: Recorded with certain reservations since only sterile specimens have been found, see Rull Lluch (2002).

***Cryptonemia lomaion* (Bertoloni) J. Agardh**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

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

Synonym: *Cryptonemia luxurians* (Mert.) J. Agardh

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Senegambia: Price et al. 1986; Gambia: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Angola: Price et al. 1986.

***Cryptopleura calophylloides* (J. Agardh) M.J. Wynne**

Distribution: Namibia: Rull Lluch 2002.

***Cryptopleura ramosa* (Huds.) Kylin ex L. Newton**

Synonym: *Acrosorium reptans* (P. Crouan & H. Crouan) Kylin

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986.

***Ctenosiphonia hypnoides* (Welw. ex J. Agardh) Falkenb.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dasya baillouviana* (S.G. Gmel.) Mont.**

Synonyms: *Dasya elegans* (Mart.) C. Agardh; *Dasya pedicellata* (C. Agardh) C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991; North Senegal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Dasya caraibica* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991?
Comments: Doubt attaches to the record from Mauritanie, see Marcot-Coqueugniot (1991).

***Dasya corymbifera* J. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dasya crouaniorum* J. Agardh**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Dasya hutchinsiae* Harv.**

Synonym: *Dasya arbuscula* (Dillwyn) C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Senegambia: Price et al. 1986.

Comments: The status of this entity is uncertain and requires further investigation, see Neto et al. (2001).

***Dasya ocellata* (Gratel.) Harv.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Dasya rigidula* (Kütz.) Ardiss.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Price et al. 1986.

***Dasya schmidiana* Sond.**

Distribution: Cape Verde Islands: Price et al. 1986.

***Dasya scoparia* Harv.**

Distribution: Namibia: Rull Lluch 2002.

***Delesseria papenfussii* M.J. Wynne**

Distribution: Namibia: Rull Lluch 2002.

***Dictyurus fenestratus* Dickinson**

Distribution: North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

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

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986; Ghana: John et al. 2003; São Tomé: John et al. 2003; Ascension: Price et al. 1986.

***Diplothamnion jolyi* C. Hoek**

Distribution: Canary Islands: Haroun et al. 2002.

***Dipterosiphonia dendritica* (C. Agardh) F. Schmitz**

Synonym: *Polysiphonia dendritica* (C. Agardh) J. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dipterosiphonia rigens* (Schousb. ex C. Agardh) Falkenb.**

Synonym: *Polysiphonia rigens* J. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Comments: All records are considered doubtful by Price et al. (1986) and by Haroun et al. (2002). See also Prud'homme van Reine et al. (1994) for studies on the material used by Piccone.

***Chondrus elongatus* Mont.**

Distribution: Cape Verde Islands: Price et al. 1986?

Comments: The status of the material from the Cape Verde Islands is very unclear, see Price et al. 1986.

***Chondrus uncinialis* Bailey & Harv.**

Distribution: Cape Verde Islands: Prud'homme van Reine & Lobin 1986.

Comments: The status of the material from the Cape Verde Islands is very unclear.

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

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986.

***Chroodactylon ornatum* (C. Agardh) Basson**

Synonym: *Asterocystis ornata* (C. Agardh) Hamel

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992 (as *A. ornata*); Sierra Leone: John et al. 1979.

***Chrysomenia enteromorpha* Harv.**

Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003.

***Chrysomenia ventricosa* (J.V. Lamour.) J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Chylocladia capensis* Harv.**

Distribution: Namibia: Rull Lluich 2002.

***Chylocladia verticillata* (Lightf.) Bliding**

Synonyms: *Chylocladia kaliformis* (Gooden. & Woodw.) Grev.; *Chylocladia squarrosa* (Kütz.) Le Jol.; *Gastroclonium kaliforme* (Gooden. & Woodw.) Ardiss.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Sierra Leone: Price et al. 1986?

Comments: Doubt attaches to the record from Sierra Leone, see comments in Price et al. (1986).

***Coelarthrum cliffonii* (Harv.) Kylin**

Synonym: *Chylocladia albertisii* Picc.; *Coelarthrum albertisii* (Picc.) Børgesen

Distribution: Canary Islands: Haroun et al. 2002.

***Coelothrix irregularis* (Harv.) Børgesen**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Ascension: Price et al. 1986.

***Compsothamnion decompositum* (Gratel. ex J. Agardh) Maggs & Halos**

Synonym: *Callithamnion decompositum* Gratel. ex J. Agardh, *Aglaothamnion decompositum* (Gratel. ex J. Agardh) Halos

Distribution: Salvage Islands: Parente et al. 2001 (as *C. decompositum*); Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986 (as *C. decompositum*); North Sénégal: Harper & Garbary 1997 (as *Aglaothamnion decompositum*); Angola: Price et al. 1986 (as *C. decompositum*).

***Compsothamnion thuyoides* (Sm.) F. Schmitz**

Synonyms: *Callithamnion thuyoides* C. Agardh; *Compsothamnion gracillimum* (Harv.) Nägeli

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Corallina berterii* Mont.**

Distribution: Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986.

***Corallina elongata* J. Ellis & Sol.**

Synonyms: *Corallina deshayesii* Mont.; *Corallina mediterranea* Aresch.; *Corallina microptera* Mont.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; South Sénégal: Price et al. 1986.

***Corallina officinalis* L.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Gambia: Price et al. 1986; Angola: Price et al. 1986.

Comments: Status remains uncertain, see comments in Price et al. (1986).

***Corallina pilulifera* Postels & Ruprecht**

Distribution: Gambia: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.

***Cordylecladia guiryi* Gargiulo et al.**

Distribution: Canary Islands: Haroun et al. 2002.

Comments: See discussion in Haroun et al. 2002 on *Cordylecladia erecta*. Specimen has been checked by Prud'homme van Reine and Haroun.

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

Distribution: Ghana: John et al. 2003.

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

Synonyms: *Cottoniella arcuata* (Børgesen) Schotter; *Cottoniella filamentosa* var. *fusiformis* (Børgesen) Schotter; *Cottoniella fusiformis* Børgesen

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coquegniot 1991; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.

Distribution: Canary Islands: Dixon & Irvine. 1977 (also as '*G. teedii*'); Western Sahara: Price et al. 1986 (also as '*G. teedii*'); Mauritania: Price et al. 1988 (as '*G. teedii*'); North Sénégal: Harper & Garbary 1997 (as '*C. teedii*'); Cape Verde Islands: Price et al. 1986 (as '*G. teedii*'); Angola: Price et al. 1986 (as '*G. teedii*'); Namibia: Rull Lluch 2002.

***Chondria bernardii* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Chondria capensis* (Harv.) Falkenb.**

Distribution: Angola: Price et al. 1986; Namibia: Rull Lluch 2002.

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

Synonyms: *Alsidium tenuissimum* Kütz.; *Chondria tenuissima* (Gooden. & Woodw.) C. Agardh; *Chondriopsis divergens* J. Agardh; *Chondriopsis striolata* J. Agardh; *Chondriopsis tenuissima* J. Agardh; *Laurencia tenuissima* Grev.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986 (as *Chondria tenuissima*); North Senegal: Harper & Garbary 1997; Gambia: John et al. 2003 (as *Chondria tenuissima*); Ghana: John et al. 2003 (as *Chondria tenuissima*).

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

Synonym: *Chondriopsis coerulescens* J. Agardh

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Chondria curvilineata* Collins & Herv.**

Distribution: Salvage Islands: Neto et al. 2001?

Comments: For discussion concerning the indicated doubt, see Neto et al. (2001).

***Chondria dangeardii* Dawson**

Distribution: North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

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

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1986; North Sénégal: Harper & Garbary 1997.

***Chondria densa* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994; Ghana: John et al. 2003.

***Chondria mairei* Feldm.-Maz.**

Distribution: Canary Islands: Haroun et al. 2002.

***Chondria scintillans* Feldm.-Maz.**

Distribution: Mauritania: Price et al. 1986; North Sénégal: Harper & Garbary 1997.

***Chondrophycus corallopsis* (Mont.) Garbary & J.T. Harper**

Synonym: *Laurencia corallopsis* (Mont.) M. Howe

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: John et al. 1994 (*L. corallopsis*).

***Chondrophycus glanduliferus* (Kütz.) Prud'homme & D.M. John**

Basionym: *Chondria glandulifera* Kütz. 1845: 329 in F.T. Kütz. *Phycologia germanica*. pp. X + 340, Nordhausen.

Synonyms: *Chondrophycus patentirameus* (Mont.) K.W. Nam; *Laurencia glandulifera* (Kütz.) Kütz.; *Laurencia paniculata* (C. Agardh) J. Agardh; *Laurencia patentiramea* (Mont.) Kütz.

Distribution: Madeira: Neto et al. 2001 (as *L. glandulifera*); Salvage Islands: Parente et al. 2001 (as *C. patentirameus*); Canary Islands: Haroun et al. 2002 (as *L. glandulifera*); Mauritania: John et al. 1994 (as *L. patentiramea*); North Sénégal: John et al. 1994 (as *L. patentiramea*); Cape Verde Islands: John et al. 1994 (as *L. patentiramea*).

Comments: The comments by Silva et al. (1996) on the nomenclature of *Laurencia glandulifera* requires us to propose a new combination.

***Chondrophycus intermedius* (Yamada) Garbary & J.T. Harper**

Synonym: *Laurencia intermedia* Yamada

Distribution: Cape Verde Islands: John et al. 1994 (as *L. intermedia*); Liberia: John et al. 2003 (as *L. intermedia*); Côte d'Ivoire: John et al. 2003 (as *L. intermedia*); Ghana: John et al. 2003 (as *L. intermedia*).

***Chondrophycus papillosus* (C. Agardh) Garbary & J.T. Harper**

Synonym: *Laurencia papillosa* (C. Agardh) Grev.

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: John et al. 1994 (as *L. papillosa*); Cape Verde Islands: John et al. 2003 (as *L. papillosa*); Cameroun: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Ascension: John et al. 1994 (as *L. papillosa*); Annobon: John et al. 1994 (as *L. papillosa*).

***Chondrophycus perforatus* (Bory) K.W. Nam**

Synonyms: *Laurencia perforata* (Bory) Mont.; *Laurencia tenerrima* (Clemente) Cremades & Pér.-Cir.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: John et al. 1994 (as *L. tenerrima*); Cape Verde Islands: John et al. 1994 (as *L. tenerrima*); Gambia: John et al. 2003 (as *L. perforata*); São Tomé: John et al. 2003 (as *L. perforata*).

***Chondrophycus poiteaui* (J.V. Lamour.) K.W. Nam**

Synonym: *Laurencia poiteaui* (J.V. Lamour.) M. Howe

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt. 1994? (as *L. poiteaui*); São Tomé: John et al. 2003? (as *L. poiteaui*).

Comments: Recorded with some doubt from the Cape Verde Islands and São Tomé.

***Chondrus crispus* Stackh.**

Synonym: *Chondrus crispus* var. *lonchophorus* Mont.

Distribution: Canary Islands: Price et al. 1986; Mauritania: Price et al. 1986; Cape Verde Islands: Price et al. 1986? (as *C. crispus* var. *lonchophorus*); Ghana: Price et al. 1986?; Angola: Price et al. 1986.

Cape Verde Islands: Price et al. 1986; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Angola: Price et al. 1986 (as *C. tenuissimum*); Namibia: Rull Lluich 2002; Ascension: Price et al. 1986 (as *C. tenuissimum*).

***Ceramium echionotum* J. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Ceramium flaccidum* (Kütz.) Ardiss.**

Synonyms: *Ceramium gracillimum* (Kütz.) Griffiths & Harv.; *Ceramium papenfussianum* Simons; *Ceramium transversale* Collins & Herv.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986; Angola: Price et al. 1986; Namibia: Rull Lluich 2002; Ascension: Price et al. 1986.

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

Synonym: *Ceramium flabelligerum* J. Agardh
Distribution: Canary Islands: Haroun et al. 2002.

***Ceramium ledermannii* Pilg.**

Distribution: Mauritanie: Marcot-Coquegniot 1991; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.
Comments: For doubt as to the record for Mauritanie, see Marcot-Coquegniot (1991).

***Ceramium leptosiphon* Pilg.**

Distribution: Annobon: Price et al. 1986.
Comments: Status remains uncertain, see comments in Price et al. (1986).

***Ceramium leptozonum* M. Howe**

Distribution: Mauritanie: Marcot-Coquegniot 1991.

***Ceramium mazatlanense* Dawson**

Distribution: Ghana: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986.

***Ceramium nitiens* (C. Agardh) J. Agardh**

Distribution: Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.

***Ceramium obsoletum* C. Agardh**

Distribution: Namibia: Rull Lluich 2002.

***Ceramium planum* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

***Ceramium strobiliforme* G.W. Lawson & D.M. John**

Distribution: Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Ghana: John et al. 2003.

***Ceramium tenerinum* (Martens) Okamura.**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Guinée: John et al. 2003.

***Ceramium uruguayense* W.R. Taylor**

Distribution: North Sénégal: Harper & Garbary 1997.

***Ceramium virgatum* Roth**

Synonyms: *Ceramium nodulosum* (Lightf.) Ducluz.; *Ceramium rubrum* C. Agardh
Distribution: Madeira: Neto et al. 2001 (as *C. nodulosum*); Salvage Islands: Neto et al. 2001 (as *C. nodulosum*); Canary Islands: Haroun et al. 2002 (as *C. rubrum*); Western Sahara: Price et al. 1986 (as *C. rubrum*).

***Champia lumbricalis* (L.) Desv.**

Distribution: Namibia: Rull Lluich 2002.

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

Synonym: *Champia intricata* (Clemente) Cremades

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Angola: Price et al. 1986; Ascension: Price et al. 1986.

***Champia salicornioides* Harv.**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Champia trippinnata* Zanardini**

Distribution: Principe: John et al. 2003; Annobon: Price et al. 1986.

***Champia vieillardii* Kütz.**

Distribution: Canary Islands: Haroun et al. 2003; Ghana: John et al. 2003.

***Cheilosporum elegans* (Hook. & Harv.) Aresch.**

Distribution: Cape Verde Islands: Price et al. 1986.

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

Synonym: *Gigartina acicularis* (Roth) J.V. Lamour.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1988 (as *G. acicularis*); Mauritanie: Price et al. 1988 (as *G. acicularis*); North Sénégal: Harper & Garbary 1997; Gambia: John et al. 2003; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Angola: Price et al. 1988 (as *G. acicularis*).

***Chondracanthus teedei* (Mert. ex Roth) Kütz.**

Synonym: *Gigartina teedei* (Mert. ex Roth) J.V. Lamour.

***Catenella impudica* (Mont.) J. Agardh**

Distribution: North Sénégal: Harper & Garbary 1997; Senegambia: Price et al. 1986; Guinée: John et al. 2003; Côte d'Ivoire: John et al. 2003; Cameroun: John et al. 2003.

***Caulacanthus ustulatus* (Mert. ex Turner) Kütz.**

Synonym: *Caulacanthus rigidus* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Gambia: John et al. 2003; South Sénégal: Price et al. 1986; Guinée: Price et al. 1986; Sierra Leone: John et al. 2003; Namibia: Rull Lluich 2002; Annobon: Price et al. 1986.

***Centroceras bellum* Setch. & N.L. Gardner**

Distribution: Sierra Leone: John et al. 2003.

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

Synonyms: *Centroceras cryptacanthum* Kütz.; *Centroceras hyalacanthum* Kütz.; *Ceramium clavulatum* (C. Agardh) Mont.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Senegambia: Price et al. 1986; Gambia: John et al. 2003; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986; Angola: Price et al. 1986; Namibia: Rull Lluich 2002; Ascension: Price et al. 1986; St. Helena: Price et al. 1986.

***Centrocerocolax ubatubensis* A.B. Joly**

Distribution: Canary Islands: Haroun et al. 2002.

***Ceramium arenarium* Simons**

Distribution: Namibia: Rull Lluich 2002.

***Ceramium atrorubescens* Kylin**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002.

***Ceramium capense* Kütz.**

Distribution: Namibia: Rull Lluich 2002.

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

Synonym: *Ceramium ciliatum* var. *robustum* (J. Agardh) Feldm.-Maz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Price et al. 1986; Cape Verde Islands: Price et al. 1986.

***Ceramium cimbrium* H. Petersen**

Synonym: *Ceramium fastigiatum* Harv., nom. illeg.

Distribution: Madeira: Neto et al. 2001? (as *C. fastigiatum*); Sierra Leone: Price et al. 1986 (as *C. fastigiatum*); Ascension: Price et al. 1986 (as *C. fastigiatum*).

Comments: Doubt attaches to the Madeira record since the material upon which it was based could not be located, see Neto et al. (2001).

***Ceramium cingulatum* Weber Bosse**

Distribution: Canary Islands: Haroun et al. 2002.

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

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Ceramium codii* (H. Richards) Feldm.-Maz.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003.

***Ceramium compactum* (Bory) J. Price, nom. illeg.**

Distribution: Ascension: Price et al. 1986.

Comments: The name is illegitimate since Roth had already used *Ceramium compactum* for another member of the genus.

***Ceramium comptum* Børgesen**

Distribution: Madeira: Neto et al. 2001.

***Ceramium corniculatum* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Ceramium cornutum* P.J.L. Dang.**

Distribution: Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Ghana: John et al. 2003.

***Ceramium corticulatum* Kylin**

Distribution: North Sénégal: Price et al. 1986?

Comments: For comments on the doubtful status of this species, see Price et al. (1986).

***Ceramium deslongchampsii* Chauv. ex Duby**

Synonym: *Ceramium strictum* (Kütz.) Harv.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986 (as *C. strictum*); North Sénégal: Harper & Garbary 1997 (as *C. strictum*).
Comments: There exists considerable confusion over the nomenclature of *Ceramium strictum*, see comments in Price et al. (1986).

***Ceramium diaphanum* (Lightf.) Roth**

Synonyms: *Ceramium elegans* (J. Agardh) Ducluz.; *Ceramium nodosum* (Kütz.) Harv.; *Ceramium tenuissimum* (Roth) J. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986; North Sénégal: Harper & Garbary 1997;

***Botryocladia pyriformis* (Børgesen) Kylin**
Distribution: Canary Islands: Haroun et al. 2002.

***Botryocladia senegalensis* Feldm.-Maz. & M. Bodard**
Distribution: North Sénégal: Harper & Garbary 1997.

***Botryocladia wynnei* D.L. Ballant.**
Distribution: Canary Islands: Haroun et al. 2002.

***Botryoglossum platycarpum* (Turner) Kütz.**
Distribution: Namibia: Rull Lluh 2002.

***Branchioglossum prostratum* C.W. Schneid.**
Distribution: Canary Islands: Haroun et al. 2002.

***Bryocladia cuspidata* (J. Agardh) De Toni**
Distribution: Cape Verde Islands: Otero-Schmitt. 1994; Gambia: John et al. 2003; Liberia: John et al. 2003; Cameroun: John et al. 2003.

***Bryocladia thyrsigera* (J. Agardh) F. Schmitz**
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Senegambia: Price et al. 1986; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Nigeria: John et al. 2003; Angola: Price et al. 1986.

***Bryothamnion seaforthii* (Turner) Kütz.**
Distribution: Guinée: John et al. 2003; São Tomé: John et al. 2003; Angola: Price et al. 1986.

***Bryothamnion triquetrum* (S.G. Gmel.) M. Howe**
Synonyms: *Alsidium triangulare* (L.) J. Agardh; *Bryothamnion triangulare* (S.G. Gmel.) Kütz.
Distribution: Cape Verde Islands: Price et al. 1986; São Tomé: John et al. 2003; Angola: Price et al. 1986.

***Calliblepharis ciliata* (Huds.) Kütz.**
Distribution: Mauritanie: Price et al. 1986.

***Calliblepharis jubata* (Gooden. & Woodw.) Kütz.**
Distribution: Mauritanie: Price et al. 1986.

***Callithamniella tingitana* (Schousb. ex Bornet) Feldm.-Maz.**
Distribution: Canary Islands: Haroun et al. 2002; Liberia: John et al. 2003; Ghana: John et al. 2003.

***Callithamnion corymbosum* (Sm.) Lyngb.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992?; South Sénégal: Price et al. 1986.
Comments: Recorded with doubt from the Cape Verde Islands.

***Callithamnion ellipticum* Mont.**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986.

***Callithamnion granulatum* (Duculz.) C. Agardh**
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986; Cape Verde Islands: Otero-Schmitt 1994?; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.

***Callithamnion mildbraedii* Pilger**
Distribution: Annobon: Price et al. 1986.

***Callithamnion tetragonum* (With.) S.F. Gray**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Price et al. 1986; Cape Verde Islands: Price et al. 1986.

***Callophyllis fastigiata* (J. Agardh) J. Agardh**
Distribution: Canary Islands: Price et al. 1986.
Comments: Considerable doubt attaches to the record from the Canary Islands, see Price et al. (1986).

***Callophyllis lecomtei* Hariot**
Distribution: Republic of the Congo: Price et al. 1986.

***Caloglossa leprieurii* (Mont.) J. Agardh**
Distribution: North Sénégal: Harper & Garbary 1997; Senegambia: Price et al. 1986; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2002; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; St. Helena: Price et al. 1986.

***Caloglossa ogasawaraensis* Okamura**
Distribution: Côte d'Ivoire: John et al. 2003; Nigeria: John et al. 2003; São Tomé: John et al. 2003.

***Calosiphonia vermicularis* (J. Agardh) F. Schmitz**
Distribution: Canary Islands: Haroun et al. 2002.

***Carpoblepharis flaccida* (C. Agardh) Kütz.**
Distribution: Namibia: Rull Lluh 2002.

***Carpoblepharis minima* Barton**
Distribution: Namibia: Rull Lluh 2002.

***Catenella caespitosa* (With.) L.M. Irvine**
Synonyms: *Catenella opuntia* (Gooden. & Woodw.) Grev.; *Catenella repens* (Lightf.) Batters
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Liberia: John et al. 2003; Nigeria: John et al. 2003; Angola: Price et al. 1986; Ascension: Price et al. 1986.

Bangia atropurpurea (Roth) C. Agardh

Synonym: *Bangia fusco-purpurea* (Dillwyn) Lyngb.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003; Nigeria: John et al. 2003; Gabon: John et al. 2003.

Boergesenella fruticulosa (Wulfen) Kylin

Synonym: *Polysiphonia fruticulosa* (Wulfen) Spreng.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Lawson et al. 1995; Cape Verde Islands: Lawson et al. 1995 (as *P. fruticulosa*).

Bonnemaisonia hamifera Hariot

Synonym: *Trailliella intricata* (J. Agardh) Batters
Distribution: Canary Islands: Haroun et al. 2002.

Bornetia repens Stegenga

Distribution: Namibia: Rull Lluich 2002.

Bornetia secundiflora (J. Agardh) Thur.

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

Bostrychia calliptera (Mont.) Mont.

Distribution: Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003.

Bostrychia mixta Hooker f. & Harv.

Distribution: Ascension: Price et al. 1986.

Bostrychia montagnei Harv.

Distribution: Sierra Leone: John et al. 2003.

Bostrychia moritziana (Sond. ex Kütz.) J. Agardh

Distribution: Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: Price et al. 1986; Nigeria: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986; Namibia: Rull Lluich 2002.
Comments: Often occurs in freshwater or reduced salinity habitats.

Bostrychia pilulifera Mont.

Distribution: North Sénégal: Harper & Garbary 1997; Senegambia: Price et al. 1986.

Bostrychia radicans Manza

Distribution: Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986; St. Helena: Price et al. 1986.
Comments: Often occurs in freshwater or reduced salinity habitats.

Bostrychia scorioides (Huds.) Mont. ex Kütz.

Distribution: Sierra Leone: Price et al. 1986?; Namibia: Rull Lluich 2002.
Comments: Doubt inevitably attaches to the records from Sierra Leone of a species normally regarded as of temperate distribution. No material in BM.

Bostrychia tenella (Vahl) J. Agardh

Synonym: *Bostrychia binderi* Harv.
Distribution: Mauritanie: Price et al. 1986 (as *B. binderi*); North Sénégal: Price et al. 1986; Senegambia: Price et al. 1986; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986.

Botryocarpa prolifera Grev.

Distribution: Namibia: Rull Lluich 2002.

Botryocladia boergesenii Feldmann

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Botryocladia botryoides (Wulfen) Feldmann

Synonyms: *Botryocladia uvaria* (Wulfen) Kylin; *Chrysomenia uvaria* (Wulfen) J. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986.

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

Synonym: *Chrysomenia bullosa* Levring
Distribution: Madeira: Neto et al. 2001 (as *C. bullosa*).

Botryocladia canariensis Afonso-Carr. & Sobrino

Distribution: Canary Islands: Afonso-Carrillo & Sobrino 2003.

Botryocladia chiajeana (Menegh.) Kylin

Synonym: *Chrysomenia chiajeana* (Menegh.) Casabl.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986.

Botryocladia guineensis D.M. John

Distribution: Salvage Islands: Neto et al. 2001; Ghana: John et al. 2003.

Botryocladia lawsonii D.M. John

Distribution: Ghana: John et al. 2003.

Botryocladia microphysa (Hauck) Kylin

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001.

Botryocladia occidentalis (Børgesen) Kylin

Distribution: Canary Islands: Afonso-Carrillo & Sobrino 2003.

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

Distribution: Canary Islands: Haroun et al. 2002; Namibia: Rull Lluch 2002.

***Antithamnion diminutatum* E.M. Woll.**

Distribution: Canary Islands: Haroun et al. 2002; Namibia: Rull Lluch 2002.

***Antithamnion eliseae* R.E. Norris**

Distribution: Namibia: Rull Lluch 2002.

***Antithamnion lherminieri* (P. Crouan & H. Crouan) Bornet ex Nasr**

Synonym: *Antithamnion antillanum* Børgesen

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991 (as *A. antillanum*).

***Antithamnion secundum* Itono**

Distribution: Namibia: Rull Lluch 2002.

***Antithamniella australis* Baardseth**

Distribution: Namibia: Rull Lluch 2002.

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

Synonym: *Antithamnioniella elegans* (Berthold) J.H. Price & D.M. John var. *boergesenii* Cormaci & G. Furnari

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Price et al. 1986; Mauritanie: Marcot-Coqueugniot 1991.

***Antithamnionella elegans* (Berthold) J.H. Price & D.M. John**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt. 1994; Ghana: John et al. 2003; Togo: John et al. 2003; Angola: Price et al. 1986.

Comments: The variety *boergesenii* is now considered to be a separate species (see above).

***Antithamnionella spirographidis* (Schiffn.) E.M. Woll.**

Distribution: Madeira: Neto et al. 2001.

***Antithamnionella verticillata* (Suhr) Lyle**

Distribution: Namibia: Rull Lluch 2002.

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

Distribution: Canary Islands: Haroun et al. 2002.

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

Synonym: *Delesseria ruscifolia* (Turner) J.V. Lamour.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986?

Comments: For doubt as to the Cape Verde Islands record, see Price et al. (1986).

***Aristolhamnion collabens* (Rudolphi) Papenf.**

Distribution: Namibia: Rull Lluch 2002.

***Arthrocardia carinata* (Kütz.) H.W. Johans.**

Distribution: Namibia: Rull Lluch 2002; St. Helena: Price et al. 1986.

***Arthrocardia filicula* (Lamarck) H.W. Johans.**

Distribution: Namibia: Rull Lluch 2002.

***Arthrocardia palmata* (Ellis & Sol.) Aresch.**

Synonym: *Arthrocardia attenuata* Manza

Distribution: Namibia: Rull Lluch 2002.

***Arthrocardia setchellii* Manza**

Distribution: Namibia: Lawson et al. 1990.

Comments: Placed under *A. filicula* in Price et al. (1986) but the two species are recognized in Namibia by Lawson et al. (1990). However, Rull Lluch (2002) considers these species be synonymous.

***Asparagopsis armata* Harv.**

Synonym: *Falkenbergia rufolanosa* (Harv.) F. Schmitz

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Asparagopsis taxiformis* (Delile) Trevis.**

Synonyms: *Asparagopsis delilei* Mont.; *Dasya delilei* Mont.; *Falkenbergia hillebrandii* (Bornet) Falkenb.; *Polysiphonia hillebrandii* Bornet

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Guinée: Sourie 1954 (as *F. hillebrandii*); Liberia: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Annobon: Price et al. 1986.

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

Synonym: *Halichrysis peltata* (W.R. Taylor) P. Huvé & H. Huvé

Distribution: Canary Islands: Haroun et al. 2002.

***Atractophora hypnoides* P. Crouan & H. Crouan**

Synonym: *Rhododiscus pulcherrimus* P. Crouan & H. Crouan

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Audouinella membranacea* (Magnus.) Papenf.**

Distribution: Madeira: Neto et al. 2001.

Comments: Commonly referred to the genus *Colaconema*.

***Ballia sertularioides* (Suhr) Papenf.**

Distribution: Namibia: Rull Lluch 2002.

Ahnfeltiopsis glomerata (J. Agardh) P.C. Silva & De Cew
Synonym: *Gymnogongrus glomerata* J. Agardh
Distribution: Namibia: Rull Lluich 2002.

Ahnfeltiopsis intermedius (Kyllin) Stegenga et al.
Synonym: *Gymnogongrus intermedius* Kyllin
Distribution: Côte d'Ivoire: John et al. 2003; Nigeria: John et al. 2003.

Ahnfeltiopsis polyclada (Kütz.) P.C. Silva & De Cew
Synonym: *Gymnogongrus polyclada* (Kütz.) J. Agardh
Distribution: Namibia: Rull Lluich 2002.

Ahnfeltiopsis vermicularis (C. Agardh) P.C. Silva & De Cew
Synonym: *Gymnogongrus vermicularis* (C. Agardh) J. Agardh
Distribution: Namibia: Rull Lluich 2002.

Aiolocolax pulchellus Pocock
Distribution: Namibia: Rull Lluich 2002.

Asidium corallinum C. Agardh
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1986.

Amphiroa anceps (J.V. Lamour.) Decne.
Distribution: North Sénégal: Harper & Garbary 1997.

Amphiroa annulata Me. Lemoine
Distribution: Mauritania: Price et al. 1986.

Amphiroa beauvoisii J.V. Lamour.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Senegambia: Price et al. 1986; Gambia: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; Republic of the Congo: Price et al. 1986; Angola: Price et al. 1986; St. Helena: Price et al. 1986; Annobon: Price et al. 1986.

Amphiroa capensis Aresch.
Distribution: São Tomé: Price et al. 1986?
Comments: Considerable doubt attaches to the record from São Tomé, see comments in Price et al. (1986).

Amphiroa fragilissima (L.) J.V. Lamour.
Synonyms: *Amphiroa cryptarthrodia* Zanardini; *Amphiroa verruculosa* Kütz.
Distribution: Madeira: Neto et al. 2001? (also as *A. cryptarthrodia*); Salvage Islands: Neto et al. 2001 (as *A. cryptarthrodia*); Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991 (also as *A. cryptarthrodia*); North Sénégal: Harper & Garbary 1997 (also as *A. cryptarthrodia*); Cape Verde Islands: Price et al. 1986; Senegambia: Price et al. 1986; Ascension: Price et al. 1986; St. Helena: Price et al. 1986.

Amphiroa peruana Aresch.
Distribution: Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003.

Amphiroa rigida J.V. Lamour.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: Price et al. 1986.
Comments: Record from Gabon should be considered uncertain, see Price et al. (1986).

Amphiroa vanbosseae Me. Lemoine
Synonym: *Amphiroa subcylindrica* Dawson
Distribution: Mauritania: Price et al. 1986 (as *A. subcylindrica*).

Anatheca montagnei F. Schmitz
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Haroun 1998; Gambia: John et al. 2003; South Sénégal: Price et al. 1986; Ghana: John et al. 2003.

Anotrichium barbatum (C. Agardh) Nägeli
Synonym: *Griffithsia barbata* C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986; Sierra Leone: Price et al. 1986?
Comments: Doubt attaches to the record from Sierra Leone, see comments in Price et al. (1986).

Anotrichium furcellatum (J. Agardh) Baldock
Synonyms: *Corynospira furcellata* (J. Agardh) Levings; *Griffithsia arachnoidea* C. Agardh; *Griffithsia furcellata* J. Agardh; *Neomonospora furcellata* (J. Agardh) Feldmann & Meslin
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986 (as *G. arachnoidea*).

Anotrichium tenue (C. Agardh) Nägeli
Synonym: *Griffithsia tenuis* C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986; Angola: Price et al. 1986; Namibia: Rull Lluich 2002.

Antithamnion cruciatum (C. Agardh) Nägeli
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1986.

Antithamnion decipiens (J. Agardh) Athanas.
Synonym: *Antithamnion ogdeniae* I.A. Abbott
Distribution: Canary Islands: Haroun et al. 2002.
Comments: Haroun et al. (2002) did not appreciate that *Antithamnion ogdeniae* is a synonym of *A. decipiens*.

***Acrochaetium streblociadae* P.J.L. Dang.**

Synonym: *Audouinella streblociadae* (P. J.L. Dang.) J.H. Price

Distribution: North Sénégal; Harper & Garbary 1997 (as *Audouinella streblociadae*).

***Acrochaetium yamadae* (Garbary) Lee & Lee**

Synonym: *Liagorophila endophytica* Yamada

Distribution: Canary Islands; Afonso Carrillo et al. 2003 (as *Liagorophila endophytica*).

Comments: Afonso-Carrillo et al. (2003) regard the genus *Liagorophila* as of uncertain affinity.

***Acrosorium acrospermum* (J. Agardh) Kylin**

Distribution: Namibia: Rull Lluich 2002.

***Acrosorium cincinnatum* M.J. Wynne**

Distribution: Namibia: Rull Lluich 2002.

***Acrosorium maculatum* (Sonder ex Kütz.) Papenf.**

Distribution: Angola: Price et al. 1986; Namibia: Rull Lluich 2002.

***Acrosorium venulosum* (Zanardini) Kylin**

Synonyms: *Acrosorium uncinatum* (Turner) Kylin; *Nitophyllum uncinatum* (Turner) J. Agardh; *Aglaophyllum laceratum* Mont.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1986 (as *A. uncinatum*); Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997 (as *A. uncinatum*); Cape Verde Islands: Otero-Schmitt & Sanjuan 1992 (as *A. uncinatum*).

***Acrothamnion butleriae* (Collins) Kylin**

Distribution: Sierra Leone: John et al. 2003.

***Aeodes orbitosa* (Suhr) F. Schmitz**

Distribution: Namibia: Rull Lluich 2002.

***Aglaothamnion cordatum* (Børgesen) Feldm.-Maz.**

Synonyms: *Aglaothamnion neglectum* Feldm.-Maz.; *Callithamnion neglectum* (Feldm.-Maz.) M.J. Wynne et al.; *Callithamnion cordatum* Børgesen
Distribution: Canary Islands: Haroun et al. 2002 (also as *C. neglectum*).

***Aglaothamnion gallicum* (Nägeli) Halos ex Ardré**

Synonym: *Callithamnion gallicum* Nägeli

Distribution: Canary Islands: Haroun et al. 2002.

***Aglaothamnion hookeri* (Dillwyn) Maggs & Hommers.**

Synonyms: *Callithamnion brodiae* Harv.; *Callithamnion hookeri* (Dillwyn) S.F. Gray; *Aglaothamnion scopulorum* (C. Agardh) Feldm.-Maz.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992? (as *C. hookeri*); Ghana: John et al. 2003; Angola: Price et al. 1986? (as *C. hookeri*); Namibia: Rull Lluich 2002.

Comments: The record from the Cape Verde Islands is given with doubt. For doubt attaching to the Angola record, see discussion in Price et al. (1986).

***Aglaothamnion roseum* (Roth) Maggs & Halos**

Synonym: *Callithamnion roseum* (Roth) Harv.

Distribution: Cape Verde Islands: Otero-Schmitt & Sanjuan 1992? (as *C. roseum*); Ghana: Price et al. 1986 (as *C. roseum*); Nigeria: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.

Comments: The record from the Cape Verde Islands is given with doubt. Originally mistakenly recorded from Ghana as *Callithamnion gallicum* (see Price et al. 1986).

***Aglaothamnion tenuissimum* (Bonnem.) Feldm.-Maz.**

Synonyms: *Aglaothamnion byssoides* (Arnott ex Harv.) Halos & Rueness; *Callithamnion byssoides* Arnott ex Harv.; *Aglaothamnion furcellariae* (J. Agardh) Feldm.-Maz.

Distribution: Madeira: Neto et al. 2001 (as *A. byssoides*); Salvage Islands: Neto et al. 2001 (as *A. byssoides*); Canary Islands: Haroun et al. 2002 (as *A. byssoides*); Mauritanie: Marcot-Coquegniot 1991 (as *C. byssoides*); Cape Verde Islands: Otero-Schmitt. 1994? (as *C. byssoides*); Sierra Leone: John et al. 2003; Ghana: John et al. 2003.

Comments: The record from Ghana and Sierra Leone is of the variety *mazoyerae* G. Funari et al. Doubt attaches to the record (as *Callithamnion byssoides*) from the Cape Verde Islands.

***Aglaothamnion tripinnatum* (C. Agardh) Feldm.-Maz.**

Synonym: *Callithamnion tripinnatum* C. Agardh

Distribution: North Sénégal: Harper & Garbary 1997 (as *C. tripinnatum*).

***Ahnfeltia plicata* (Huds.) Fries**

Distribution: Ascension: Price et al. 1986.

Comments: Very considerable doubt attaches to an early record from the Canary Islands by Bornet, see Price et al. (1986).

***Ahnfeltiopsis complicata* (Kütz.) P.C. Silva & De Cew**

Synonym: *Gymnogongrus complicata* (Kütz.) Papenf.

Distribution: Namibia: Rull Lluich 2002.

***Ahnfeltiopsis concinna* (J. Agardh) P.C. Silva & De Cew**

Synonym: *Ahnfeltia concinna* J. Agardh

Distribution: Cape Verde Islands: Price et al. 1986 (as *Ahnfeltia concinna*).

***Ahnfeltiopsis devoniensis* (Grev.) P.C. Silva & De Cew**

Synonym: *Gymnogongrus devoniensis* (Grev.) Schotter

Distribution: Cape Verde Islands: Price et al. 1988 (as *G. devoniensis*).

***Ahnfeltiopsis gigartinoides* (J. Agardh) P.C. Silva & De Cew**

Synonym: *Ahnfeltia gigartinoides* J. Agardh

Distribution: Cape Verde Islands: Price et al. 1986 (as *Ahnfeltia gigartinoides*).

***Acrochaetium infestans* M. Howe & Hoyt**

Synonym: *Colaconema infestans* (M. Howe & Hoyt) Woelk.
Distribution: Canary Islands: Haroun et al. 2002.
Comments: Commonly referred to the genus *Colaconema*.

***Acrochaetium liagorae* Børgesen**

Synonym: *Audouinella liagorae* (Børgesen) Woelk.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Acrochaetium macropoda* P.J.L. Dang.**

Synonym: *Audouinella macropoda* (P.J.L. Dang.) J.H. Price
Distribution: North Sénégal: Harper & Garbary 1997 (as *Audouinella macropoda*).

***Acrochaetium microscopium* (Nägeli ex Kütz.) Nägeli**

Synonym: *Audouinella microscopica* (Nägeli in Kütz.) Woelk.
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugnot 1991; Ghana: John et al. 2003; Nigeria: John et al. 2003.

***Acrochaetium moniliforme* (Rosenv.) Børgesen**

Distribution: Namibia: Rull Lluch 2002.

***Acrochaetium naumannii* (Askenasy) Askenasy**

Synonyms: *Audouinella naumannii* (Askenasy) J.H. Price; *Chantransia naumannii* Askenasy
Distribution: Cape Verde Islands: Price et al. 1986 (as *Audouinella naumannii*).
Comments: Stegenga (pers. comm.) has suggested that it may be referable to the genus *Colaconema*.

***Acrochaetium nemalii* (De Not. ex L. Dufour) Bornet**

Synonyms: *Audouinella nemalii* (De Not. ex L. Dufour) P.S. Dixon; *Colaconema nemalii* (De Not. ex L. Dufour) Stegenga
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1986 (as *Audouinella nemalii*).
Comments: Commonly referred to the genus *Colaconema*.

***Acrochaetium occidentale* Børgesen**

Synonym: *Audouinella occidentalis* (Børgesen) Garbary
Distribution: Madeira: Neto et al. 2001; Canary Islands: Price et al. 1986 (as *Audouinella occidentalis*).
Comments: Possibly a synonym of *Acrochaetium barbadense*. Stegenga (pers. comm.) has suggested that it may be referable to the genus *Colaconema*.

***Acrochaetium ophioglossum* (Schneider) D.L. Ballant. & Aponte**

Synonym: *Colaconema ophioglossum* (Schneider) Afonso-Carrillo et al.
Distribution: Canary Islands: Afonso Carrillo et al. 2003 (as *Colaconema ophioglossum*).
Comment: Commonly referred to the genus *Colaconema*.

***Acrochaetium parvulum* (Kyllin) Hoyt**

Synonyms: *Chromastrum parvulum* (Kyllin) Papenf.; *Audouinella parvula* (Kyllin) P.S. Dixon

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugnot 1991; Cameroun: John et al. 2003.

***Acrochaetium pectinatum* (Kyllin) Hamel**

Synonym: *Audouinella pectinata* (Kyllin) Papenf.
Distribution: North Senegal: Harper & Garbary 1997 (as *Audouinella pectinata*).
Comment: Commonly referred to the genus *Colaconema*.

***Acrochaetium pulchellum* Børgesen**

Distribution: Madeira: Neto et al. 2001.

***Acrochaetium reductum* (Rosenv.) Hamel**

Distribution: Namibia: Rull Lluch 2002.

***Acrochaetium repens* Børgesen**

Synonym: *Audouinella repens* (Børgesen) Woelk.

Distribution: Salvage Islands: Neto et al. 2001?

Comments: Stegenga (pers. comm.) has suggested that the species may be referable to the genus *Colaconema*. Neto et al. (2001) have discussed the specific identification of specimens from the Salvage Islands.

***Acrochaetium robustum* Børgesen**

Distribution: Madeira: Neto et al. 2001.

Comments: Stegenga (pers. comm.) has suggested that it may be referable to the genus *Colaconema*.

***Acrochaetium savianum* (Menegh.) Nägeli**

Synonyms: *Acrochaetium thuretii* (Bornet) Collins & Herv.; *Chantransia saviana* Menegh.; *Audouinella saviana* (Menegh.) Woelk.; *Colaconema savianum* (Menegh.) R. Nielsen

Distribution: Madeira: Neto et al. 2001 (as *C. savianum*); Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugnot 1991?; Cameroun: John et al. 2003; Gabon: John et al. 2003.

Comments: Commonly referred to the genus *Colaconema*; relation to *Colaconema dasyae* is not clear. Doubt remains as to the specific identification of the material from Mauretanie.

***Acrochaetium secundatum* (Lyngb.) Nägeli**

Synonyms: *Acrochaetium virgatulum* (Harv.) J. Agardh; *Audouinella secundata* (Lyngb.) P.S. Dixon; *Audouinella virgatula* (Harv.) P.S. Dixon; *Colaconema secundatum* (Lyngb.) Woelk.

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1986 (as *Audouinella secundata*); Namibia: Rull Lluch 2002.

***Acrochaetium seriatum* Børgesen**

Synonym: *Audouinella seriata* (Børgesen) Garbary

Distribution: Mauritanie: Price et al. 1986 (as *Audouinella seriata*); North Sénégal: Harper & Garbary 1997 (as *Audouinella seriata*); Gambia: John et al. 2003; Nigeria: John et al. 2003; Gabon: John et al. 2003.

PHYLUM RHODOPHYTA

Acanthophora muscoides (L.) Bory

Distribution: Gambia: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 1986; 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986; Ascension: Price et al. 1986.

Acanthophora ramulosa Lindenberg ex Kütz.

Distribution: São Tomé: John et al. 2003; Angola: Price et al. 1986.

Acanthophora spicifera (Vahl) Børgesen

Distribution: Mauritanie: Marcot-Coqueugniot 1991; North Sénégal: Harper & Garbary 1997; Sierra Leone: John et al. 2003; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986.

Acrochaetium barbadense (Vickers) Børgesen

Synonym: *Acrochaetium liagorae* (Weber-van Bosse) H. Hamel, nom. illeg.
Distribution: Canary Islands: Haroun et al. 2002.

Acrochaetium byssaceum (Kütz.) Nägeli

Synonym: *Audouinella byssacea* (Kütz.) J. Price
Distribution: Cape Verde Islands: Price et al. 1986 (as *Audouinella byssacea*).
Comments: Can probably be referred to the genus *Colaconema*.

Acrochaetium canariense Børgesen

Synonyms: *Chromastrum canariense* (Børgesen) Stegenga & Mulder, nom. illeg.; *Audouinella canariensis* (Børgesen) Garbary
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Acrochaetium catenulatum M. Howe

Distribution: Namibia: Rull Lluch 2002.

Acrochaetium codii (P. Crouan & H. Crouan) Garbary

Synonyms: *Rhodothamniella codii* (P. Crouan & H. Crouan) Feldmann, non. illeg.; *Audouinella codii* (P. Crouan & H. Crouan) Garbary; *Colaconema caespitosum* (J. Agardh) Jacklm. et al.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Price et al. 1986 (as *Audouinella codii*).

Comments: For discussions concerning the separation of *Acrochaetium codii* and *Audouinella codicola* (now *Rhodothamniella*), see Price et al. (1986) and Garbary (1987). According to Haroun et al. (2002), the Canary Island record requires reconfirmation. Now commonly referred to the genus *Colaconema*.

Acrochaetium crassipes (Børgesen) Børgesen

Synonyms: *Audouinella crassipes* (Børgesen) Garbary; *Chromastrum crassipes* (Børgesen) Papenf.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Acrochaetium cymopoliae Børgesen

Synonym: *Audouinella cymopoliae* (Børgesen) J.H. Price
Distribution: Canary Islands: Haroun et al. 2002 (as *A. cymopoliae*).

Acrochaetium dasyae Collins

Synonyms: *Audouinella dasyae* (Collins) Woelk.; *Colaconema dasyae* (Collins) Stegenga et al.
Distribution: Gambia: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Bioko: John et al. 2003.
Comments: For discussion of the status of *Acrochaetium dasyae*, see Price et al. (1986); now commonly referred to the genus *Colaconema*.

Acrochaetium daviesii (Dillwyn) Nägeli

Synonyms: *Colaconema daviesii* (Dillwyn) Stegenga; *Audouinella daviesii* (Dillwyn) Woelk.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; Namibia: Rull Lluch 2002.
Comments: Commonly referred to the genus *Colaconema*.

Acrochaetium endophyticum Batters

Synonym: *Colaconema endophyticum* (Batters) J.T. Harper & G.W. Saunders
Distribution: Namibia: Rull Lluch 2002.
Comments: Commonly referred to the genus *Colaconema*.

Acrochaetium endozoicum (Darb.) Batters

Synonym: *Audouinella endozoica* (Darb.) P.S. Dixon
Distribution: North Sénégal: Harper & Garbary 1997 (as *Audouinella endozoica*).

Acrochaetium gracile Børgesen

Synonym: *Audouinella gracilis* (Børgesen) Jaasund
Distribution: Canary Islands: Haroun et al. 2002.

Acrochaetium hallandicum (Kyllin) Hamel

Synonym: *Audouinella hallandica* (Kyllin) Woelk.
Distribution: Mauritanie: Marcot-Coqueugniot 1991; Sierra Leone: John et al. 2003; Togo: John et al. 2003.

Acrochaetium humile Rosenv.

Synonym: *Audouinella humilis* (Rosenv.) Garbary
Distribution: Western Sahara: Price et al. 1986 (as *Audouinella humilis*); Sierra Leone: Price et al. 1986 (as *Audouinella humilis*).
Comments: For doubt concerning on the Sierra Leone specimens, see Price et al. (1986).

Acrochaetium hypneae Børgesen

Synonym: *Audouinella hypneae* (Børgesen) G.W. Lawson & D.M. John
Distribution: Namibia: Rull Lluch 2002 (as *Audouinella hypneae*).

PHYLUM RHODOPHYTA

Acanthophora muscoides (L.) Bory

Distribution: Gambia: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 1986; 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986; Ascension: Price et al. 1986.

Acanthophora ramulosa Lindenberg ex Kütz.

Distribution: São Tomé: John et al. 2003; Angola: Price et al. 1986.

Acanthophora spicifera (Vahl) Børgesen

Distribution: Mauritanie: Marcot-Coqueugniot 1991; North Sénégal: Harper & Garbary 1997; Sierra Leone: John et al. 2003; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1986.

Acrochaetium barbadense (Vickers) Børgesen

Synonym: *Acrochaetium liagorae* (Weber-van Bosse) H. Hamel, nom. illeg.
Distribution: Canary Islands: Haroun et al. 2002.

Acrochaetium byssaceum (Kütz.) Nägeli

Synonym: *Audouinella byssacea* (Kütz.) J. Price
Distribution: Cape Verde Islands: Price et al. 1986 (as *Audouinella byssacea*).
Comments: Can probably be referred to the genus *Colaconema*.

Acrochaetium canariense Børgesen

Synonyms: *Chromastrum canariense* (Børgesen) Stegenga & Mulder, nom. illeg.; *Audouinella canariensis* (Børgesen) Garbary
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Acrochaetium catenulatum M. Howe

Distribution: Namibia: Rull Lluch 2002.

Acrochaetium codii (P. Crouan & H. Crouan) Garbary

Synonyms: *Rhodothamniella codii* (P. Crouan & H. Crouan) Feldmann, non. illeg.; *Audouinella codii* (P. Crouan & H. Crouan) Garbary; *Colaconema caespitosum* (J. Agardh) Jacklm. et al.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Price et al. 1986 (as *Audouinella codii*).

Comments: For discussions concerning the separation of *Acrochaetium codii* and *Audouinella codicola* (now *Rhodothamniella*), see Price et al. (1986) and Garbary (1987). According to Haroun et al. (2002), the Canary Island record requires reconfirmation. Now commonly referred to the genus *Colaconema*.

Acrochaetium crassipes (Børgesen) Børgesen

Synonyms: *Audouinella crassipes* (Børgesen) Garbary; *Chromastrum crassipes* (Børgesen) Papenf.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Acrochaetium cymopoliae Børgesen

Synonym: *Audouinella cymopoliae* (Børgesen) J.H. Price
Distribution: Canary Islands: Haroun et al. 2002 (as *A. cymopoliae*).

Acrochaetium dasyae Collins

Synonyms: *Audouinella dasyae* (Collins) Woelk.; *Colaconema dasyae* (Collins) Stegenga et al.
Distribution: Gambia: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Bioko: John et al. 2003.
Comments: For discussion of the status of *Acrochaetium dasyae*, see Price et al. (1986); now commonly referred to the genus *Colaconema*.

Acrochaetium daviesii (Dillwyn) Nägeli

Synonyms: *Colaconema daviesii* (Dillwyn) Stegenga; *Audouinella daviesii* (Dillwyn) Woelk.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003; Namibia: Rull Lluch 2002.
Comments: Commonly referred to the genus *Colaconema*.

Acrochaetium endophyticum Batters

Synonym: *Colaconema endophyticum* (Batters) J.T. Harper & G.W. Saunders
Distribution: Namibia: Rull Lluch 2002.
Comments: Commonly referred to the genus *Colaconema*.

Acrochaetium endozoicum (Darb.) Batters

Synonym: *Audouinella endozoica* (Darb.) P.S. Dixon
Distribution: North Sénégal: Harper & Garbary 1997 (as *Audouinella endozoica*).

Acrochaetium gracile Børgesen

Synonym: *Audouinella gracilis* (Børgesen) Jaasund
Distribution: Canary Islands: Haroun et al. 2002.

Acrochaetium hallandicum (Kyllin) Hamel

Synonym: *Audouinella hallandica* (Kyllin) Woelk.
Distribution: Mauritanie: Marcot-Coqueugniot 1991; Sierra Leone: John et al. 2003; Togo: John et al. 2003.

Acrochaetium humile Rosenv.

Synonym: *Audouinella humilis* (Rosenv.) Garbary
Distribution: Western Sahara: Price et al. 1986 (as *Audouinella humilis*); Sierra Leone: Price et al. 1986 (as *Audouinella humilis*).
Comments: For doubt concerning on the Sierra Leone specimens, see Price et al. (1986).

Acrochaetium hypneae Børgesen

Synonym: *Audouinella hypneae* (Børgesen) G.W. Lawson & D.M. John
Distribution: Namibia: Rull Lluch 2002 (as *Audouinella hypneae*).

***Sporochnus gaertneri* (S.G. Gmel.) C. Agardh**
Distribution: Canary Islands: Haroun et al. 2002.

***Sporochnus pedunculatus* (Huds.) C. Agardh**
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Stilophora tenella* (Esper) P.C. Silva**
Synonyms: *Spermatochnus papillosus* Kütz.; *Spermatochnus rhizodes* Kütz.; *Stilophora papillosa* J. Agardh; *Stilophora tuberculosa* (Hom.) Reinke; *Stilophora rhizodes* (Turner) J. Agardh
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Stragularia clavata* (Harv.) Hamel**
Synonyms: *Ralfsia bornetii* Kuck.; *Ralfsia clavata* (Harv.) P. Crouan & H. Crouan; *Ralfsia disciformis* P. Crouan & H. Crouan
Distribution: Madeira: Neto et al. 2001 (as *Ralfsia bornetii*); Salvage Islands: Neto et al. 2001 (as *Ralfsia bornetii*); Cape Verde Islands: Haroun 1998 (as *Ralfsia bornetii*); Namibia: Rull Lluh 2002.

***Strepsithalia curvata* Sauv.**
Distribution: Canary Islands: Haroun et al. 2002.

***Stypocaulon funiculare* (Mont.) Kütz.**
Distribution: Namibia: Rull Lluh 2002.

***Stypocaulon scoparium* (L.) Kütz.**
Synonyms: *Halopteris scoparia* (L.) Sauv.; *Sphacelaria scoparia* var. *disticha* (Lyngb.) Lenorm.; *Sphacelaria scoparia* var. *glomerata* (Kütz.) Grunow; *Sphacelaria scoparia* var. *virgata* (Kütz.) Grunow
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978 (as *H. scoparia*); Nigeria: Price et al. 1978? (as *H. scoparia*).
Comments: The Nigerian record is the only one for the coast of tropical West Africa and some element of doubt therefore attaches to it (see Lawson & John 1987).

***Stypopodium schimperi* (Buchinger ex Kütz.) M. Verlaque & Boudour.**
Synonym: *Stypopodium tubruquense* Nizam. & Godeh.
Distribution: Canary Islands: Haroun et al. 2002.

***Stypopodium zonale* (J.V. Lamour.) Papenf.**
Synonyms: *Padina lobata* Mont.; *Stypopodium fuliginosum* Kütz.; *Stypopodium laciniatum* Kütz.; *Stypopodium lobatum* Kütz.; *Zonaria lobata* C. Agardh; *Zonaria zonalis* (J.V. Lamour.) M. Howe
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978; Ghana: John et al. 2003.

***Syringoderma floridana* Henry**
Distribution: Canary Islands: Haroun et al. 2002.

***Taonia atomaria* (Woodw.) J. Agardh**
Synonym: *Padina atomaria* (Woodw.) J. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997.

***Zanardinia typus* (Nardo) G. Funari**
Synonyms: *Zanardinia collaris* C. Agardh sensu P. Crouan & H. Crouan; *Zanardinia prototypus* (Nardo) Nardo
Distribution: Canary Islands: Haroun et al. 2002.

***Zonaria subarticulata* (J.V. Lamour.) Papenf.**
Synonym: *Phycopteris interrupta* Kütz.; *Zonaria interrupta* Kütz.
Distribution: Canary Islands: Price et al. 1978 (as *P. interrupta*).

***Zonaria tournefortii* (J.V. Lamour.) Mont.**
Synonyms: *Padina tournefortii* J.V. Lamour.; *Phycopteris tournefortii* Kütz.; *Stypopodium flavum* (C. Agardh) Kütz.; *Zonaria flava* (Clemente) C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978.

John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; Ascension: Price et al. 1978.
Comments: Many forms and varieties have been described, see Price et al. (1978). In John et al. (2003) only var. *foliosissimum* (J.V. Lamour.) J. Agardh is discussed.

***Sauvageaugloia divaricata* (Clemente) Cremades**

Synonyms: *Castagnea chordariaeformis* (P. Crouan & H. Crouan) Thur.; *Cladosiphon chordariaeformis* P. Crouan & H. Crouan; *Myriocladia chordariaeformis* P. Crouan & H. Crouan; *Sauvageaugloia chordariaeformis* (P. Crouan & H. Crouan) Kylin *Sauvageaugloia griffithsiana* (B.M. Griffiths ex Harv.) Hamel ex Kylin
Distribution: Canary Islands: Haroun et al. 2002 (as *S. chordariaeformis*).

***Scytosiphon dotyi* M.J. Wynne**

Distribution: Canary Islands: Haroun et al. 2002.

***Scytosiphon lomentaria* (Lyngb.) Link**

Synonyms: *Chorda lomentaria* Lyngb.; *Scytosiphon complanatus* (Rosenv.) Doty; *Scytosiphon simplicissimus* (Clemente) Cremades
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002.

***Spatoglossum schroederi* (C. Agardh) Kütz.**

Synonym: *Spatoglossum areschougii* J. Agardh
Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.

***Spatoglossum solierii* (Chauv. ex Mont.) Kütz.**

Synonym: *Dictyota solierii* Chauv. ex Mont.
Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Gabon: John et al. 2003.

***Sphacelaria brachygonia* Mont.**

Synonym: *Sphacelaria elliptica* C.I. Dickinson
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994?; Ghana: John et al. 2003 (as *S. elliptica*).
Comment: Recorded with doubt for the Cape Verde Islands (see Otero-Schmitt 1994).

***Sphacelaria cirrosa* (Roth) C. Agardh**

Synonyms: *Sphacelaria bipinnata* (Kütz.) Sauv.; *Sphacelaria cirrhosa* (Roth) C. Agardh; *Sphacelaria hystrix* Suhr ex Reinke; *Sphacelaria irregularis* Kütz.; *Sphacelaria pennata* (Huds.) Lyngb.; *Sphacelaria rhizophora* Kütz.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978.

***Sphacelaria fusca* (Huds.) S.F. Gray**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Liberia: Price et al. 1978.

***Sphacelaria nana* Nägeli ex Kütz.**

Synonyms: *Sphacelaria britannica* Sauv.; *Sphacelaria saxatilis* Sauv.
Distribution: Madeira: Neto et al. 2001 (as *S. britannica*).

***Sphacelaria novae-hollandiae* Sond.**

Distribution: Cape Verde Islands: Keum et al. 1999; Ascension: Price & John 1980.

Sphacelaria plumula Zanardini

Distribution: Canary Islands: Haroun et al. 2002.

***Sphacelaria rigidula* Kütz.**

Synonym: *Sphacelaria furcigera* Kütz.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978 (as *S. furcigera*); Ascension: Price & John 1980 (as *S. furcigera*).

***Sphacelaria solitaria* (Pringsh.) Kylin**

Distribution: Canary Islands: Keum et al. 2001; Cape Verde Islands: Keum et al. 2001.

***Sphacelaria tribuloides* Menegh.**

Synonym: *Sphacelaria hancockii* E.Y. Dawson
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; St. Helena: Lawson et al. 1993; Annobon: Price et al. 1978.

***Sphacella subtilissima* Reinke**

Distribution: Canary Islands: Haroun et al. 2002.

***Splachnidium rugosum* (L.) Grev.**

Distribution: Namibia: Rull Lluich 2002.

***Spongonema tomentosum* (Huds.) Kütz.**

Synonyms: *Ectocarpus luteolus* Sauv.; *Ectocarpus minimus* Nägeli; *Ectocarpus tomentosus* (Huds.) Lyngb.; *Herponema luteolum* (Sauv.) Hamel; *Streblonema luteolum* (Sauv.) De Toni; *Streblonema minimum* (Nägeli) De Toni
Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; Ghana: Price et al. 1978?
Comments: Doubtful record for Ghana, see Lawson & John (1987).

***Sporochnus bolleanus* Mont.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991.

- Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.
- Rosenvingea antillarum* (P. Crouan & H. Crouan) M.J. Wynne**
 Synonym: *Rosenvingea floridana* (W.R. Taylor) W.R. Taylor
 Distribution: Canary Islands: Haroun et al. 2002; Angola: Price et al. 1978? (as *R. floridana*).
 Comments: Material from Angola is somewhat doubtful, based on one specimen only, see Price et al. (1978).
- Rosenvingea intricata* (J. Agardh) Børgesen**
 Synonyms: *Asperococcus intricatus* (Kütz.) J. Agardh; *Asperococcus schrammii* P. Crouan & H. Crouan
 Distribution: Canary Islands: Haroun et al. 2002; Ghana: John et al. 2003; Cameroun: John et al. 2003.
- Rosenvingea sanctae-crucis* Børgesen**
 Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991.
- Saccorhiza polyschides* (Lightf.) Batters**
 Synonym: *Saccorhiza bulbosa* (Huds.) Bach. Pyl.
 Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; Ghana: Price et al. 1978?
 Comments: Its occurrence in Ghana is considered exceedingly unlikely, see Price et al. (1978).
- Sargassum acinarium* (L.) Setch.**
 Synonym: *Sargassum linifolium* (Turner) J. Agardh
 Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; Cape Verde Islands: Price et al. 1978; Senegambia: Price et al. 1978; Guinea-Bissau: John et al. 2003.
- Sargassum cymosum* C. Agardh**
 Synonym: *Sargassum rigidulum* Kütz.
 Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978; Sierra Leone: John et al. 2003; Gabon: John et al. 2003.
- Sargassum desfontainesii* (Turner) C. Agardh**
 Synonym: *Sargassum comosum* Mont.
 Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.
- Sargassum filipendula* C. Agardh**
 Synonym: *Sargassum affine* J. Agardh
 Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991; Ghana: John et al. 2003; Gabon: John et al. 2003.
- Sargassum flavifolium* Kütz.**
 Synonym: *Sargassum vulgare* f. *flavifolium* (Kütz.) Grunow
 Distribution: Canary Islands: Verlaque & Boudouresque 1981.

- Sargassum furcatum* Kütz.**
 Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.
- Sargassum hystrix* J. Agardh**
 Distribution: North Sénégal: Harper & Garbary 1997; Sierra Leone: Lawson & John 1987.
 Comments: The records from Sénégal and Sierra Leone are considered doubtful by Lawson & John (1987).
- Sargassum natans* (L.) Gaillon**
 Synonym: *Sargassum bacciferum* (Turner) C. Agardh
 Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002 (as *S. bacciferum*); Cape Verde Islands: Price et al. 1978; Gabon: Price et al. 1978.
 Comments: Pelagic seaweeds, thus drift material only.
- Sargassum platycarpum* Mont.**
 Synonym: *Sargassum polycystum* C. Agardh
 Distribution: Canary Islands: Price et al. 1978? (as *S. polycystum*); Cape Verde Islands: Price et al. 1978.
 Comments: Records by Price et al. (1998, as var. *onusta*) as well as those by Gil-Rodríguez & Afonso-Carrillo (1980) are all doubtful because of the Indian Ocean distribution of this species.
- Sargassum ramifolium* Kütz.**
 Synonym: *Sargassum cymosum* var. *ramifolia* (Kütz.) Grunow
 Distribution: Canary Islands: Afonso-Carrillo et al. 1984; Mauritanie: Marcot-Coqueugniot 1991; North Sénégal: Harper & Garbary 1997; Guinea-Bissau: John et al. 2003.
- Sargassum turneri* (Kütz.) Mont.**
 Synonym: *Treptacantha turneri* Kütz.
 Distribution: Cape Verde Islands: Price et al. 1978.
 Comments: Silva et al. (1996) in the Indian Ocean checklist of benthic marine algae place *Sargassum turneri* (Kütz.) Kunze' in the synonymy of *Sargassum subrepandum* (Forssk.) C. Agardh var. *rupeellii* f. *turneri* (Kütz.) Grunow, also stating that the current status of '*Sargassum turneri* (Kütz.) Mont.' needs to be investigated.
- Sargassum vulgare* C. Agardh**
 Synonyms: *Sargassum albertisii* Picc.; *Sargassum boryanum* Mont.; *Sargassum endiviaefolium* Bory; *Sargassum cheirifolium* Kütz.; *Sargassum dichocarpum* Kütz.; *Sargassum diversifolium* Kunth; *Sargassum fissifolium* Kütz.; *Sargassum lendigerum* (L.) C. Agardh; *Sargassum obtusatum* Bory; *Sargassum salicifolium* f. *diversifolia* (Bory) Grunow; *Sargassum tenue* var. *gabonensis* Grunow.
 Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Senegambia: Price et al. 1978; Gambia: John et al. 2003; South Sénégal: Price et al. 1978; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003.

***Padina boergesenii* Allender & Kraft**

Distribution: Salvage Islands: Parente et al. 2001.

***Padina boryana* Thivy**

Synonyms: *Padina commersonii* Bory; *Padina tenuis* Bory

Distribution: São Tomé: John et al. 2003.

***Padina dubia* Hauck**

Distribution: North Sénégal: Price et al. 1978?

Comments: The Sénégalense material on which Dangeard based his identification is rather equivocal, see Price et al. (1978).

***Padina durvillaei* Bory**

Distribution: Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003.

Comments: Price et al. (1978) expressed doubt about the identification of material collected in Liberia and Togo.

***Padina glabra* Gaillard**

Distribution: North Sénégal: Harper & Garbary 1997.

***Padina gymnospora* (Kütz.) Sond.**

Synonyms: *Padina howeana* Børgesen; *Padina variegata* (J.V. Lamour.) Hauck.; *Padina vickersiae* Hoyt

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978 (as *P. vickersiae*); North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994 (as *P. vickersiae*); Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Cameroun: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978 (as *P. vickersiae*); Ascension: Price & John 1980 (as *P. vickersiae*).

***Padina mexicana* E.Y. Dawson**

Distribution: Ghana: John et al. 2003.

***Padina pavonica* (L.) Thivy**

Synonyms: *Padina mediterranea* Bory; *Padina pavonia* (L.) J.V. Lamour.; *Zonaria pavonia* C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Senegambia: Price et al. 1978; Gabon: Price et al. 1978; Republic of the Congo: Price et al. 1978; Angola: Price et al. 1978; Ascension: Price et al. 1978; St. Helena: Lawson et al. 1993.

Comments: See the general comment in Price et al. (1978) for the doubt concerning the occurrence of *Padina pavonica* on West African shores.

***Papenfussiella gracilis* Kylin**

Distribution: Namibia: Rull Lluich 2002.

***Papenfussiella kuromo* (Yendo) Inagaki**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Petalonia fascia* (O.F. Müll.) Kuntze**

Synonyms: *Phyllitis debilis* Le Jol.; *Phyllitis fascia* Kütz.

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Namibia: Rull Lluich 2002 (as *Phyllitis fascia*).

***Petrospongium berkeleyi* (Grev.) Nägeli ex Kütz.**

Synonym: *Cylindrocarpus berkeleyi* (Grev.) P. Crouan & H. Crouan

Distribution: Canary Islands: Haroun et al. 2002.

***Phaeostroma pustulosum* Kuck.**

Synonym: *Streblonema aequale* Oltm.

Distribution: Canary Islands: Haroun et al. 2002.

Phyllariopsis brevipes* (C. Agardh) Henry & South, subsp. *brevipes

Synonym: *Phyllaria reniformis* (J.V. Lamour.) Rostaf. ex Bornet

Distribution: Western Sahara: Price et al. 1978 (as *Phyllaria reniformis*).

***Phyllariopsis purpurascens* (C. Agardh) Henry & South**

Synonym: *Phyllaria purpurascens* (C. Agardh) Rostaf. ex Bornet

Distribution: Canary Islands: Price et al. 1978 (as *Phyllaria purpurascens*).

***Pilinia rimosa* Kütz.**

Synonyms: *Leptonema lucifugum* Kuck.; *Waerniella lucifuga* (Kuck.) Kylin; *Waerniella rimosa* Kütz.

Distribution: Canary Islands: Haroun et al. 2002.

***Protectocarpus speciosus* (Børgesen) Kuck. ex Kornmann**

Distribution: Canary Islands: Haroun et al. 2002.

***Pseudolithoderma adriaticum* (Hauck) M. Verlaque**

Synonym: *Lithoderma adriaticum* Hauck

Distribution: Canary Islands: Haroun et al. 2002.

***Pylaiella littoralis* (L.) Kjellm.**

Distribution: Mauritania: Price et al. 1978; Angola: Price et al. 1978.

***Ralfsia expansa* (J. Agardh) J. Agardh**

Distribution: Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Gambia: Price et al. 1978; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; Namibia: Rull Lluich 2002; Ascension: Price & John 1980.

***Ralfsia verrucosa* (Aresch.) J. Agardh**

Synonym: *Cruoria verrucosa* Aresch.

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

Synonyms: *Aglaozonia canariensis* Sauv.; *Gymnosorus variegatus* auct.; *Padina lobata* Grev.; *Pocockiella variegata* (J.V. Lamour.) Papenf.; *Zonaria variegata* (J.V. Lamour.) C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Príncipe: Price et al. 1978; São Tomé: Price et al. 1978; Gabon: John et al. 2003; Angola: Price et al. 1978; Ascension: Price et al. 1978.

***Mesogloia vermiculata* (Sm.) S.F. Gray**

Distribution: Canary Islands: Haroun et al. 2002.

***Microcoryne ocellata* Strömf.**

Synonym: *Leathesia kuetzingii* Hauck

Distribution: Canary Islands: Haroun et al. 2002.

***Mikrosyphar sphacelariae* Levring**

Distribution: Madeira: Neto et al. 2001.

***Myriactula chordae* (Aresch.) Levring**

Synonym: *Gonodia chordae* Aresch.

Distribution: Canary Islands: Haroun et al. 2002.

***Myriogloia papenfussii* Kylin**

Distribution: Namibia: Rull Lluuch 2002.

***Myrionema corunnae* Sauv.**

Distribution: Madeira: Neto et al. 2001.

***Myrionema magnusii* (Sauv.) Loiseaux**

Synonyms: *Ascocyclus magnusii* Sauv.; *Ascocyclus orbicularis* (J. Agardh) Magn.; *Myrionema orbiculare* (J. Agardh) Loiseaux
Distribution: Madeira: Neto et al. 2001 (as *M. orbiculare*); Canary Islands: Haroun et al. 2002 (as *M. orbiculare*).

***Myrionema strangulans* Carmich. ex Grev.**

Synonym: *Myrionema vulgare* Thuret

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Myriotrichia adriatica* Hauck**

Distribution: Canary Islands: Reyes & Afonso-Carrillo 1995.

***Myriotrichia canariensis* Kütz.**

Distribution: Canary Islands: Price et al. 1978?

Comments: The extant material of this species is very similar to *Myriotrichia adriatica*, see Haroun et al. (2002).

***Myriotrichia clavaeformis* Harv.**

Synonyms: *Myriotrichia filiformis* Harv.; *Myriotrichia repens* (Hauck) Korsakoff; *Streblomena sphaericum* (Derbés & Sol.) Thuret
Distribution: Canary Islands: Haroun et al. 2002.

***Nemacystus erythraeus* (J. Agardh) Sauv.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coquegniot 1991?
Comments: Marcot-Coquegniot (1991) hesitates between identifying her material as *Nemacystus erythraeus* or *N. hispanicus*.

***Nemacystus flexuosus* (C. Agardh) Kylin**

Synonym: *Nemacystus ramulosus* Derbés & Sol.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Nemacystus hispanicus* (Sauv.) Kylin**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Audiffred & Weischer 1984; Canary Islands: Haroun et al. 2002.

***Nemacystus howei* (W.R. Taylor) Kylin**

Synonym: *Castagnea howei* W.R. Taylor

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Nemoderma tingitana* Schousb. ex Bornet**

Distribution: Salvage Islands: Parente et al. 2001?; Canary Islands: Haroun et al. 2002; Sierra Leone: Lawson & John 1987?

Comment: The Salvage Islands record was given as doubtful and the Sierra Leone record was probably based on a misidentification (see Lawson & John 1987).

***Nereia filiformis* (J. Agardh) Zanardini**

Synonyms: *Desmarestia filiformis* J. Agardh; *Nereia montagnei* Derbés & Sol.; *Nereia tropica* (W.R. Taylor) W.R. Taylor
Distribution: Canary Islands: Haroun et al. 2002.
Comments: For combining *N. tropica* with *N. filiformis*, see comments in Prud'homme van Reine et al. (1994).

***Padina antillarum* (Kütz.) Picc.**

Synonyms: *Padina tetrastromatica* Hauck; *Zonaria antillarum* Kütz.
Distribution: Salvage Islands: Parente et al. 2001 (as *P. tetrastromatica*); Mauritanie: Price et al. 1978 (as *P. tetrastromatica*); North Sénégal: Harper & Garbary 1997 (as *P. tetrastromatica*); Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Angola: Price et al. 1978 (as *P. tetrastromatica*).

***Padina australis* Hauck**

Distribution: North Sénégal: Harper & Garbary 1997; Côte d'Ivoire: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.

***Hinckisia mitchelliae* (Harv.) P.C. Silva**

Synonyms: *Ectocarpus virescens* Thuret ex Sauv.; *Giffordia mitchelliae* (Harv.) Hamel
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978 (as *G. mitchelliae*); North Sénégal: Harper & Garbary 1997 (as *G. mitchelliae* and *E. virescens*); Cape Verde Islands: Otero-Schmitt 1994; Gambia: John et al. 2003; South Sénégal: Lawson & John 1987 (as *G. mitchelliae*); Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Ascension: Price & John 1980 (as *G. mitchelliae*); St. Helena: Lawson et al. 1993.

***Hinckisia onslowensis* (Amsler & Kapraun) P.C. Silva**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Hinckisia ovata* (Kjellm.) P.C. Silva**

Synonym: *Hinckisia intermedia* (Rosenv.) P.C. Silva
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002 (as *H. intermedia*).

***Hinckisia rallsiae* (Vickers) P.C. Silva**

Synonyms: *Feldmannia rallsiae* (Vickers) Hamel; *Giffordia rallsiae* (Vickers) W.R. Taylor
Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978 (as *G. rallsiae*); Mauritanie: Lawson & John 1977 (as *G. rallsiae*); North Sénégal: Harper & Garbary 1997; Liberia: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Angola: Price et al. 1978; St. Helena: Lawson et al. 1993.

***Hinckisia sandriana* (Zanardini) P.C. Silva**

Synonym: *Giffordia sandriana* (Zanardini) Hamel
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997 (as *G. sandriana*); South Sénégal: Lawson & John 1987? (as *G. sandriana*).
Comments: Doubtful for South Sénégal according to Lawson & John (1987).

***Hydroclathrus clathratus* (C. Agardh) M. Howe**

Synonym: *Hydroclathrus cancellatus* Bory
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Price et al. 1978; Cape Verde Islands: Price et al. 1978; Sierra Leone: John et al. 2003; Cameroun: Price et al. 1978; Bioko: John et al. 2003; Príncipe: Price et al. 1978; Gabon: John et al. 2003; Angola: Price et al. 1978; Annobon: Price et al. 1978.

***Kuckuckia spinosa* (Kütz.) Kuck.**

Synonym: *Kuckuckia crinigera* (Kück.) Hamel
Distribution: Canary Islands: Haroun et al. 2002.

***Kuetzingiella battersii* (Bornet) Kornmann**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Kuetzingiella elachistaeformis* (Heydr.) M.S. Balakrishnan & Kinkar**

Synonyms: *Feldmannia elachistaeformis* (Heydr.) P.H. Hô, *Ectocarpus elachistaeformis* Heydr.
Distribution: Ghana: John et al. 2003.

***Laminaria ochroleuca* Bach.-Pyl.**

Distribution: Canary Islands: Price et al. 1978?; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; Namibia: Rull Lluch 2002?
Comments: It is probable that this *Laminaria* should be excluded from the Namibian flora, see Rull Lluch (2002). There are no recent records for the Canary Islands.

***Laminaria pallida* Grev.**

Synonym: *Laminaria schinzii* Foslie
Distribution: Canary Islands: Price et al. 1978; Namibia: Rull Lluch 2002.

***Laminaria saccharina* C. Agardh**

Comments: Old records from Madeira are based on drift material, see Neto et al. (2001).

***Leathesia difformis* (L.) Aresch.**

Synonym: *Leathesia marina* Endl.
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; Namibia: Rull Lluch 2002.

***Leptonematella fasciculata* (Reinke) P.C. Silva**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Levringia atlantica* (Feldmann) Kylin**

Synonym: *Myriogloea atlantica* Feldmann
Distribution: Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997.

***Levringia brasiliensis* (Mont.) A.B. Joly**

Synonym: *Mesogloia brasiliensis* Mont.
Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Ghana: John et al. 2003.

***Levringia natalensis* (Kütz.) Kylin**

Synonym: *Cladosiphon natalensis* (Hering) Bornet
Distribution: Cape Verde Islands: Price et al. 1978.

***Levringia sordida* (Bory) Kylin**

Synonyms: *Chordaria sordida* Bory; *Myriogloia sordida* (Bory) Levring
Distribution: Senegambia: Price et al. 1978; Ascension: Price et al. 1978.

***Liebmannia levellei* J. Agardh**

Synonym: *Mesogloia levellei* (J. Agardh) Kuck.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Ectocarpus acutus* Setch. & N.L. Gardner**

Distribution: Namibia: Rull Lluch 2002?

Comments: Only tentatively recorded for Namibia.

***Ectocarpus fasciculatus* Harv.**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Namibia: Rull Lluch 2002.

***Ectocarpus hamulosus* Harv. & Bailey**

Distribution: Cape Verde Islands: Prud'homme van Reine & Lobin 1986.

***Ectocarpus siliculosus* (Dillwyn) Lyngb.**

Synonym: *Ectocarpus confervoides* (Roth) Kjellm.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; Namibia: Rull Lluch 2002.

***Elachista globulosa* (C. Agardh) J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Elachista intermedia* P. Crouan & H. Crouan**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001.

***Elachista stellaris* (Aresch.) Kuck.**

Synonym: *Symphoricoccus stellaris* (Aresch.) Kuck.

Distribution: Canary Islands: Haroun et al. 2002.

***Endarachne binghamiae* J. Agardh**

Distribution: Namibia: Rull Lluch 2002; St. Helena: Lawson et al. 1993.

***Feldmannia globifera* (Kütz.) Hamel**

Synonym: *Feldmannia simplex* (P. Crouan & H. Crouan) Hamel

Distribution: Canary Islands: Haroun et al. 2002.

***Feldmannia indica* (Sond.) Womersley & A. Bailey**

Synonyms: *Giffordia indica* (Sond.) Papenf. & Chihara; *Hinckisia indica* (Sond.) P.C. Silva
Distribution: Mauritanie: Marcot-Coquegniot 1991; Gambia: John et al. 2003; Guinea-Bissau: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003.

***Feldmannia irregularis* (Kütz.) Hamel**

Synonyms: *Ectocarpus simpliciusculus* J. Agardh; *Hinckisia confifera* (Børgesen) P.C. Silva;
Hinckisia irregularis (Kütz.) Amsler

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997 (as *H. irregularis*); Cape Verde Islands: Price et al. 1978; Namibia: Rull Lluch 2002.

***Feldmannia paradoxa* (Mont.) Hamel**

Distribution: Canary Islands: Haroun et al. 2002.

***Fucus serratus* L.**

Distribution: Canary Islands: Price et al. 1978?

Comments: Doubtful since founded on only one very early reference, see Price et al. (1978).

***Fucus spiralis* L.**

Distribution: Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978.

***Fucus vesiculosus* L.**

Synonym: *Fucus lutarius* (Kütz.) Sidi-Moussa

Distribution: Madeira: Bornet 1892?; Canary Islands: Haroun et al. 2002.

Comments: Record for Madeira is doubtful according to Neto et al. (2001).

***Giraudia sphacelarioides* Derbés & Sol.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Halidrys siliquosa* (L.) Lyngb.**

Distribution: Canary Islands: Price et al. 1978?

Comments: For doubt attaching to records from the Canary Islands, see Price et al. (1978). Drift material might be involved.

***Halopteris filicina* (Gratel.) Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Hapalospongion macrocarpa* (Feldmann) M.J. Wynne**

Synonyms: *Mesospora macrocarpa* (Feldmann) Hartog; *Mesospora mediterranea* Feldmann

Distribution: Canary Islands: Haroun et al. 2002.

Comments: Taxonomic differences between *Basispora* and *Haplospongion* are discussed by Rull Lluch (2002); see also Haroun et al. (2002).

***Hecatonema maculans* (Collins) Sauv.**

Synonyms: *Ectocarpus terminalis* Kütz. sensu Kuck.; *Hecatonema terminale* (Kütz.) Kylin
Distribution: Canary Islands: Haroun et al. 2002 (as *H. terminale*); Cape Verde Islands: Price et al. 1978 (as *E. terminalis*).

Comments: *Ectocarpus terminalis* Kütz. is a young filamentous stage of *Spongonema tomentosum* (Huds.) Kütz., while *Hecatonema terminale* is based on *Ectocarpus terminalis* Kütz. sensu Kuck.

***Herponema minutum* Levring**

Distribution: Madeira: Neto et al. 2001

***Hinckisia granulosa* (Sm.) P.C. Silva**

Synonym: *Giffordia granulosa* (Sm.) Hamel

Distribution: Mauritanie: Lawson & John 1977 (as *G. granulosa*); Namibia: Rull Lluch 2002.

***Dictyota fasciola* (Roth) J.V. Lamour.**

Synonym: *Dilophus fasciola* (Roth) M. Howe
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978 (as *Dilophus fasciola*).

***Dictyota guineensis* (Kütz.) P. Crouan & H. Crouan**

Synonym: *Dilophus guineensis* (Kütz.) J. Agardh
Distribution: Madeira: Hörnig (unpublished); Sierra Leone: Lawson & John 1987?; São Tomé: Lawson & John 1987?
Comments: For doubt attaching to the records from West Africa, see comments in Lawson & John (1987).

***Dictyota humifusa* Hörnig et al.**

Synonym: *Dictyota adnata* (Zanardini) sensu Weber Bosse
Distribution: Madeira: Hörnig (unpublished); Salvage Islands: Hörnig (unpublished); Canary Islands: Haroun et al. 2002; Cape Verde Islands: Hörnig (unpublished).
Comments: All collections identified by I. Hörnig as *Dictyota adnata*.

***Dictyota indica* Sonder**

Distribution: Sierra Leone: Lawson & John 1987?
Comments: For doubt attaching to Aleem's 1978 record from Sierra Leone, see Lawson & John (1987).

***Dictyota kohlmeieri* (Nizam. & Gerloff) Hörnig et al.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Dictyota liturata* J. Agardh**

Distribution: Madeira: Hörnig (unpublished); Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Hörnig (unpublished).
Comments: Most collections identified by I. Hörnig.

***Dictyota menstrualis* (Hoyt) Schnetter et al.**

Synonym: *Dictyota dichotoma* var. *menstrualis* Hoyt
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002?; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.
Comments: Occurrence in the Canary Island is doubtful, see Haroun et al. (2002), although Rojas-González & Afonso Carrillo (2002) record it for Hierro in the Canary islands.

***Dictyota mertensii* (Mart.) Kütz.**

Synonym: *Dictyota dentata* J.V. Lamour.
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Price et al. 1978 (as *D. dentata*); São Tomé: John et al. 2003; Gabon: John et al. 2003.

***Dictyota naevosa* (Suhr) Mont.**

Synonym: *Dictyota polycarpa* (Sond.) Kütz.
Distribution: Canary Islands: Price et al. 1978?; North Sénégal: Harper & Garbary 1997.
Comments: For the confused taxonomic status of this species, see Price et al. (1978).

***Dictyota paffii* Schnetter**

Distribution: Canary Islands: Haroun et al. 2002?

Comments: Occurrence in the Canary Islands is doubtful, see Haroun et al. (2002).

***Dictyota pinnatifida* Kütz.**

Synonyms: *Dictyota alternans* (C. Agardh) Hörnig et al.; *Dilophus alternans* C. Agardh
Distribution: Madeira: Hörnig (unpublished); Salvage Islands: Hörnig (unpublished); Canary Islands: Haroun et al. 2002; Cape Verde Islands: Hörnig (unpublished).
Comments: All collections identified by I. Hörnig as *Dictyota alternans*.

***Dictyota pulchella* Hörnig & Schnetter**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002?
Comments: Occurrence in the Canary Islands is doubtful, see Haroun et al. (2002).

***Dictyota spiralis* (Mont.) Hamel**

Synonyms: *Dictyota ligulata* (Kütz.) J. Agardh; *Dilophus ligulata* (Kütz.) Feldmann; *Dilophus spiralis* (Mont.) Hamel
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978 (as *Dilophus spiralis*).

***Dictyota suhrü* (Kütz.) Hörnig et al.**

Synonyms: *Dictyota prolifera* Suhr; *Dilophus suhrü* (Kütz.) Papenf.
Distribution: Cape Verde Islands: Price et al. 1978.

***Discosporangium mesarthrocarpum* (Menegh.) Hauck**

Distribution: Canary Islands: Haroun et al. 2002.

***Ecklonia biruncinata* (Bory) Papenf.**

Synonyms: *Ecklonia exasperata* (Turner) J. Agardh; *Ecklonia polymorpha* Hornem; *Ecklonia radiata* (Turner) J. Agardh
Distribution: Canary Islands: Price et al. 1978?; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978.
Comments: Doubt attaches to all *Ecklonia biruncinata* records for the West African region.

***Ecklonia maxima* (Osbeck) Papenf.**

Distribution: Namibia: Rull Lluich 2002; St. Helena: Price et al. 1978.
Comments: Records from St. Helena appear to be based upon drift material.

***Ecklonia muratii* Feldmann**

Distribution: Canary Islands: Price et al. 1978?; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Price et al. 1978; Cape Verde Islands: Price et al. 1978; Gambia: Price et al. 1978.

***Ecklonia radiata* (Turner) J. Agardh**

Distribution: Canary Islands: Schmidt & Gerloff 1957?; Mauritanie: Schmidt & Gerloff 1957?; Cape Verde Islands: Schmidt & Gerloff 1957?
Comments: Does not occur in the Canary Islands according to Haroun et al. (2002).

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritania: Price et al. 1978; Cape Verde Islands: Price et al. 1978.

***Cystoseira thunbergii* (Mert. ex Roth) C. Agardh**

Distribution: Canary Islands: Price et al. 1978?

Comments: The Canaries record is almost certainly in error since *C. thunbergii* is the basionym of *Sargassum thunbergii* (Mert. ex Roth) Kunze, known only from the North West Pacific.

***Cystoseira usneoides* (L.) Roberts**

Distribution: Canary Islands: Price et al. 1978?; North Sénégal: Price et al. 1978?

Comments: For the taxonomic confusion surrounding this name, see comments in Price et al. (1978).

***Cystoseira wildpretii* Nizam.**

Distribution: Canary Islands: Haroun et al. 2002.

***Desmarestia firma* (C. Agardh) Skottsb.**

Distribution: Namibia: Rull Lluich 2002.

Comments: See further comments in Price et al. (1978) for the relationship between this species and *D. ligulata* (Lightf.) J.V. Lamour.

***Dictyopteris delicatula* J.V. Lamour.**

Synonym: *Haliseris delicatula* (J.V. Lamour.) C. Agardh

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Gabon: John et al. 2003.

***Dictyopteris plagiogramma* (Mont.) Vickers**

Distribution: Canary Islands: Haroun et al. 2002.

***Dictyopteris polypodioides* (Delle Chiaje) J.V. Lamour**

Synonym: *Dictyopteris membranacea* (Stackh.) Batters

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978 (as *D. membranacea*).

***Dictyota bartayresiana* J.V. Lamour.**

Synonyms: *Dictyota neglecta* Hörnig & Schnetter; *Dictyota patens* J. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Elejabertía et al. 1992; Western Sahara: Price et al. 1978; Mauritania: Price et al. 1978?; Cape Verde Islands: Price et al. 1978; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: Price et al. 1978; Cameroun: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Ascension: Price et al. 1978; Annobon: Price et al. 1978.

***Dictyota cervicornis* Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Betancort Villalba et al. 1995; Mauritania: Marcot-Cocquegniot 1991; North Sénégal: Price et al. 1978; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978.

Comments: The forms *pseudohamata* De Clerck & Coppejans (*curvula* W.R. Taylor) and *pseudobartayresiana* W.R. Taylor have been recorded from several West African countries (see Price et al. 1978, Lawson & John 1987, John et al. 2003).

***Dictyota ciliolata* Sond. ex Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Gambia: Price et al. 1978; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: Price et al. 1978; Ghana: Price et al. 1978; Nigeria: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003.

***Dictyota crenulata* J. Agardh**

Synonym: *Dilophus crenulatus* (J. Agardh) Nizam. & Gerloff.

Distribution: Madeira: Nizamuddin & Gerloff 1979 (as *Dilophus crenulatus*); Salvage Islands: unpublished; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Annobon: Price et al. 1978.

Comments: *Dilophus crenulatus* f. *canariensis* is recorded for Madeira and the Canary Islands.

***Dictyota dichotoma* (Huds.) J.V. Lamour.**

Synonyms: *Dictyota implexa* (Desfont.) J.V. Lamour.; *Dictyota linearis* (C. Agardh) Grev.; *Dictyota volubilis* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Gambia: John et al. 2003; Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003?; Côte d'Ivoire: John et al. 2003?; Ghana: John et al. 2003; Togo: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; St. Helena: Lawson et al. 1993.

Comments: The variety *intricata* (C. Agardh) Grev. has been recorded for some West African countries.

***Dictyota divaricata* J.V. Lamour.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Gabon: John et al. 2003.

Comments: Reported from Madeira and the Salvages by Neto et al. (2001) as *D. dichotoma* var. *divaricata* J.V. Lamour.

***Cladostephus spongiosus* (Huds.) C. Agardh**

Synonym: *Cladostephus verticillatus* (Lightf.) C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Comments: Any references to *Cladostephus spongiosus* (as *C. verticillatus*) from tropical West Africa are rejected, see Lawson & John (1987).

***Colpomenia peregrina* (Sauv.) Hamel**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Liberia: John et al. 2003.

***Colpomenia sinuosa* (Mert. ex Roth) Derbès & Sol.**

Synonym: *Asperococcus sinuosus* (Mert. ex Roth) Bory

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; Namibia: Rull Lluich 2002; Ascension: Price et al. 1978; St. Helena: Lawson et al. 1993.

***Compsonema microspongium* (Batters) Kuck.**

Distribution: Canary Islands: Haroun et al. 2002.

***Compsonema minutum* (C. Agardh) Kuck.**

Distribution: Canary Islands: Haroun et al. 2002.

***Corynophlaea crispa* (Harv.) Kuck.**

Distribution: Madeira: Neto et al. 2001?; Canary Islands: Fletcher 1987?

Comments: Neto et al. (2001) records this as doubtful and Fletcher (1987) includes it in a list with no additional information.

***Corynophlaea cystophorae* J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Cutleria chilosa* (Falkenb.) P.C. Silva**

Synonyms: *Agardhiella chilosa* Falkenb.; *Cutleria monoica* Ollivier

Distribution: Canary Islands: Haroun et al. 2002.

***Cutleria multifida* (Smith) Grev.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; São Tomé: Price et al. 1978?

Comments: For doubt attaching to the record from São Tomé, see Price et al. (1978).

***Cystoseira abies-marina* (S.G. Gmel.) C. Agardh**

Synonyms: *Phyllacantha moniliformis* Kütz.; *Treptacantha gracillima* Kütz.; *Treptacantha montagnei* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands:

Haroun et al. 2002; Western Sahara: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978.

Comments: For doubt attaching to the record from Sénégal, see Price et al. (1978).

***Cystoseira baccata* (S.G. Gmel.) P.C. Silva**

Synonym: *Cystoseira fibrosa* (Huds.) C. Agardh

Distribution: Salvage Islands: Price et al. 1978; Canary Islands: Afonso Carrillo & Sanson 1999; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978.

***Cystoseira compressa* (Esper) Gerloff & Nizam.**

Synonyms: *Cystoseira abrotanifolia* (Stackh.) C. Agardh; *Cystoseira fimbriata* (Desborys)

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Cystoseira foeniculacea* (L.) Grev.**

Synonyms: *Cystoseira concatenata* (L.) C. Agardh; *Cystoseira discors* (L.) C. Agardh

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978.

Comments: The designation *Cystoseira discors* used in West Africa represents what is now referred to as *C. foeniculacea* and not the *C. schiffneri* Hamel known from the Mediterranean. Earlier collections of *C. concatenata* (now *C. foeniculacea*) have been examined and appear to be misidentifications for *C. nodicaulis* or *C. usneoides* (for example the Pico material from the Cape Verde Islands, see Prud'homme van Reine et al. 1994).

***Cystoseira humilis* (Schousb.) Kütz.**

Synonym: *Cystoseira canariensis* Sauv.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; Cape Verde Islands: Price et al. 1978.

***Cystoseira mauritanica* Sauv. ex Hariot**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978.

***Cystoseira nodicaulis* (With.) Roberts**

Synonym: *Cystoseira granulata* (Turner) C. Agardh sensu Grev.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Afonso Carrillo & Sanson 1999; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; South Sénégal: John et al. 2003.

Comments: Not occurring in the Canary Islands according to Haroun et al. (2002).

***Cystoseira senegalensis* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Cystoseira sonderi* (Kütz.) Picc.**

Distribution: Cape Verde Islands: Price et al. 1978.

***Cystoseira tamariscifolia* (Huds.) Papenf.**

Synonym: *Cystoseira ericoides* (L.) C. Agardh

***Cladostephus spongiosus* (Huds.) C. Agardh**

Synonym: *Cladostephus verticillatus* (Lightf.) C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Comments: Any references to *Cladostephus spongiosus* (as *C. verticillatus*) from tropical West Africa are rejected, see Lawson & John (1987).

***Colpomenia peregrina* (Sauv.) Hamel**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Liberia: John et al. 2003.

***Colpomenia sinuosa* (Mert. ex Roth) Derbès & Sol.**

Synonym: *Asperococcus sinuosus* (Mert. ex Roth) Bory
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; Namibia: Rull Lluich 2002; Ascension: Price et al. 1978; St. Helena: Lawson et al. 1993.

***Compsonema microspongium* (Batters) Kuck.**

Distribution: Canary Islands: Haroun et al. 2002.

***Compsonema minutum* (C. Agardh) Kuck.**

Distribution: Canary Islands: Haroun et al. 2002.

***Corynophlaea crispa* (Harv.) Kuck.**

Distribution: Madeira: Neto et al. 2001?; Canary Islands: Fletcher 1987?

Comments: Neto et al. (2001) records this as doubtful and Fletcher (1987) includes it in a list with no additional information.

***Corynophlaea cystophorae* J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

***Cutleria chilosa* (Falkenb.) P.C. Silva**

Synonyms: *Aglaozonia chilosa* Falkenb.; *Cutleria monoica* Ollivier
Distribution: Canary Islands: Haroun et al. 2002.

***Cutleria multifida* (Smith) Grev.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; São Tomé: Price et al. 1978?

Comments: For doubt attaching to the record from São Tomé, see Price et al. (1978).

***Cystoseira abies-marina* (S.G. Gmel.) C. Agardh**

Synonyms: *Phyllacantha moniliformis* Kütz.; *Treptacantha gracillima* Kütz.; *Treptacantha montagnei* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands:

Haroun et al. 2002; Western Sahara: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978.

Comments: For doubt attaching to the record from Sénégal, see Price et al. (1978).

***Cystoseira baccata* (S.G. Gmel.) P.C. Silva**

Synonym: *Cystoseira fibrosa* (Huds.) C. Agardh

Distribution: Salvage Islands: Price et al. 1978; Canary Islands: Afonso Carrillo & Sansón 1999; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978.

***Cystoseira compressa* (Esper) Gerloff & Nizam.**

Synonyms: *Cystoseira abrotanifolia* (Stackh.) C. Agardh; *Cystoseira fimbriata* (Desf.) Bory

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Cystoseira foeniculacea* (L.) Grev.**

Synonyms: *Cystoseira concatenata* (L.) C. Agardh; *Cystoseira discors* (L.) C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Price et al. 1978; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978.

Comments: The designation *Cystoseira discors* used in West Africa represents what is now referred to as *C. foeniculacea* and not the *C. schiffneri* Hamel known from the Mediterranean. Earlier collections of *C. concatenata* (now *C. foeniculacea*) have been examined and appear to be misidentifications for *C. nodicaulis* or *C. usneoides* (for example the Piccone material from the Cape Verde Islands, see Prud'homme van Reine et al. 1994).

***Cystoseira humilis* (Schousb.) Kütz.**

Synonym: *Cystoseira canariensis* Sauv.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978; Cape Verde Islands: Price et al. 1978.

***Cystoseira mauritanica* Sauv. ex Hariot**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Price et al. 1978.

***Cystoseira nodicaulis* (With.) Roberts**

Synonym: *Cystoseira granulata* (Turner) C. Agardh sensu Grev.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Afonso Carrillo & Sanson 1999; Mauritanie: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Price et al. 1978; South Sénégal: John et al. 2003.

Comments: Not occurring in the Canary Islands according to Haroun et al. (2002).

***Cystoseira senegalensis* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Cystoseira sonderi* (Kütz.) Picc.**

Distribution: Cape Verde Islands: Price et al. 1978.

***Cystoseira tamariscifolia* (Huds.) Papenf.**

Synonym: *Cystoseira ericoides* (L.) C. Agardh

PHYLUM PHAEOPHYTA

Acinetospora crinita (Carmich. ex Harv.) Kornmann

Synonyms: *Acinetospora pusilla* (B.M. Griffiths) Bornet; *Feldmannia lebelii* (Aresch. ex P. Crouan & H. Crouan) Hamel; *Feldmannia padinae* (Biffham) Hamel
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.

Arthrocladia villosa (Huds.) Duby

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Ascophyllum nodosum (L.) Le Jol.

Distribution: Madeira: Neto et al. 2001?; Canary Islands: Haroun et al. 2002?
Comments: All West African records are of drift material.

Asperococcus compressus (Huds.) Hook.

Synonym: *Asperococcus compressus* B.M. Griffiths ex Hook.
Distribution: Canary Islands: Fletcher 1987?
Comments: Dubious record according to Haroun et al. (2002).

Asperococcus fistulosus (Huds.) Hook.

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Asperococcus turneri (Sm.) Hook.

Synonym: *Asperococcus bullosus* J.V. Lamour.
Distribution: Canary Islands: Haroun et al. 2002?
Comments: Dubious record according to Haroun et al. (2002), although Rojas-González & Afonso-Carrillo (2002) recorded it for Hierro in the Canary Islands.

Asteronema breviariculatus (J. Agardh) Ouriques & Bouzon

Synonyms: *Ectocarpus breviariculatus* J. Agardh; *Ectocarpus hamatus* P. Crouan & H. Crouan; *Hinckia breviariculatus* (J. Agardh) P.C. Silva
Distribution: Cape Verde Islands: Price et al. 1978 (as *Ectocarpus breviariculatus*); Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Ascension: Price & John 1980 (as *E. breviariculatus*); St. Helena: Lawson et al. 1993 (as *E. breviariculatus*).

Asteronema rhodochoortonoides (Børgesen) D.G. Müller & Parodi

Synonym: *Ectocarpus rhodochoortonoides* Børgesen
Distribution: Canary Islands: Haroun et al. 2002; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Namibia: Rull Lluich 2002; Annobon: Price et al. 1978 (as *E. rhodochoortonoides*).
Comments: Only tentatively recorded for Namibia.

Bachelotia antillarum (Grunow) Gerloff

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Price et al. 1978; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Haroun 1998; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003;

Ghana: John et al. 2003; Nigeria: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Price et al. 1978; Namibia: Rull Lluich 2002; Ascension: Price & John 1980.

Basispora africana D.M. John & G.W. Lawson

Synonym: *Haplospogonidium spongiosum* Saunders
Distribution: North Sénégal: Harper & Garbary 1997; Gambia: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Angola: Price et al. 1978; Namibia: Rull Lluich 2002?
Comments: Taxonomic differences between *Basispora* and *Haplospogonidium* are discussed by Rull Lluich (2002).

Bifurcaria bifurcata (Velley) R. Ross

Distribution: Western Sahara: Price et al. 1978.
Comments: There is a record for Mauritanie, discussed by Lawson & John (1987), but it is a misinterpretation of a note by Sourie (1954) which is on Moroccan algae.

Carpomitra costata (Stackh.) Batters

Synonym: *Carpomitra cabreræ* (Clemente) Kütz.
Distribution: Canary Islands: Haroun et al. 2002.

Chilionema reptans (P. Crouan & H. Crouan) Sauv.

Synonym: *Ectocarpus repens* Reinke
Distribution: Canary Islands: Haroun et al. 2002.
Comments: For a discussion on the taxonomic status of this taxon, see Haroun et al. (2002).

Chnoospora minima (Hering) Papenf.

Synonym: *Chnoospora fastigiata* J. Agardh
Distribution: Cape Verde Islands: Price et al. 1978; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: Price et al. 1978; Benin: John et al. 2003; Nigeria: John et al. 2003; São Tomé: John et al. 2003; Ascension: Price et al. 1978; Annobon: Price et al. 1978.

Chordaria flagelliformis (O.F. Müll.) C. Agardh

Distribution: Namibia: Rull Lluich 2002?
Comments: Doubt attaching to the Namibian record relates to the possibility that this is a misidentification of *Chordariopsis capensis* (see comments in Price et al. 1978 and Rull Lluich 2002).

Chordariopsis capensis (C. Agardh) Kylin

Distribution: Namibia: Rull Lluich 2002.

Cladosiphon contortus (Thuret) Kylin

Distribution: Salvage Islands: Neto et al. 2001.

Cladosiphon zosterae (J. Agardh) Kylin

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

Comments: For doubt attaching to the records from Ghana (as *E. ahneriana*), see Lawson & Price (1969). See also comments under *Ulva atroviridis*.

***Ulva prolifera* O.F. Müll.**

Synonym: *Enteromorpha prolifera* (O.F. Müll.) J. Agardh; *E. torta* (Mert.) Reinb.
Distribution: Madeira: Neto et al. 2001 (as *E. prolifera*); Canary Islands: Haroun et al. 2002 (as *E. prolifera* and *E. torta*); Western Sahara: Lawson & John 1977 (as *E. prolifera*); Mauritania: Lawson & John 1977 (as *E. prolifera*); North Sénégal: Harper & Garbary 1997 (as *E. prolifera*); South Sénégal: Chevalier 1920 (as *E. prolifera*); Ghana: John et al. 2003 (as *E. prolifera*); Namibia: Rull Lluich 2002 (as *E. prolifera*); Annobon: John et al. 2003 (as *E. prolifera*).

Comments: See discussion in Lawson & Price (1969) concerning doubt attaching to a record from Ghana (as *E. torta*). See also comments under *Ulva atroviridis*.

***Ulva rhacodes* (Holmes) Papenf.**

Distribution: Namibia: Rull Lluich 2002.

***Ulva rigida* C. Agardh**

Synonym: *Ulva uncialis* (Kütz.) Mont.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & John 1977; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Angola: Lawson & Price 1969; Namibia: Rull Lluich 2002.

***Ulva rotundata* Bliding**

Distribution: Canary Islands: Haroun et al. 2002.

***Ulva tropica* Mert.**

Distribution: Ghana: Lawson & Price 1969?
Comments: For doubt attaching to this record, see Lawson & Price (1969) and Lawson & John (1987).

***Uvella lens* P. Crouan & H. Crouan**

Distribution: Mauritanie: Marcot-Coqueugniot 1991; Angola: Lawson et al. 1975; Namibia: Rull Lluich 2002.

***Uvella peltata* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Uvella setchellii* P.J.L. Dang.**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Umbraulva olivascens* (P.J.L. Dang.) E.H. Bae & I.K. Lee**

Synonym: *Ulva olivascens* (P.J.L. Dang.) P.J.L. Dang.
Distribution: Canary Islands: Haroun et al. 2002 (as *Ulva olivascens*).
Comments: Separation of the genus *Umbraulva* from *Ulva* is explained by Bae & Lee (2001).

***Urospora laeta* (Thur.) Børgesen**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Valonia aegagropila* C. Agardh**

Distribution: Canary Islands: Haroun et al. 2002.

Comments: For doubt attaching to this record from the Canary Islands, see Haroun et al. (2002).

***Valonia macrophysa* Kütz.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Ascension: Lawson & Price 1969.

***Valonia utricularis* (Roth) C. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.

***Ventricaria ventricosa* (J. Agardh) J.L. Olsen & J.A. West**

Distribution: Ascension: Price & John 1980.

***Willella ordinata* Børgesen**

Synonym: *Cladophora ordinata* (Børgesen) C. Hoek

Distribution: Ghana: John et al. 2003.

Comments: For the decision to continue to recognize *Willella*, see discussion in John et al. (2003).

***Ulva compressa* L.**

Synonyms: *Enteromorpha compressa* (L.) Nees, *E. intestinalis* (L.) Nees, subsp. *compressa* De Silva & Burrows

Distribution: Madeira: Neto et al. 2001 (as *E. compressa*); Salvage Islands: Neto et al. 2001 (as *E. compressa*); Canary Islands: Haroun et al. 2002 (as *E. compressa*); Western Sahara: Lawson & John 1977 (as *E. compressa*); Mauritanie: Lawson & John 1977 (as *E. compressa*); Cape Verde Islands: Lawson & Price 1969 (as *E. compressa*); Angola: Lawson et al. 1975 (as *E. intestinalis* subsp. *compressa*); Namibia: Lawson et al. 1990 (as *E. compressa*).
Comments: See under *Ulva atroviridis*.

***Ulva denticulata* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

***Ulva fasciata* Delille**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & Price 1969; Mauritanie: Lawson & Price 1969; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Guinée: Lawson & Price 1969; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; São Tomé: John et al. 2003; Angola: Lawson & Price 1969; Namibia: Rull Lluich 2002; Annon: Lawson & Price 1969.

***Ulva flexuosa* Wulfen**

Synonyms: *Enteromorpha flexuosa* (Wulfen ex Roth) J. Agardh, *E. lingulata* J. Agardh, *E. paradoxa* (Dillwyn) Kütz.; *E. erecta* (Lyngb.) J. Agardh, *E. tubulosa* (Kütz.) Kütz.
Distribution: Madeira: Neto et al. 2001 (as *E. flexuosa*); Salvage Islands: Neto et al. 2001 (as *E. flexuosa*); Canary Islands: Haroun et al. 2002 (as *E. flexuosa* and *E. lingulata*); Mauritanie: Lawson & John 1977 (as *E. flexuosa*); North Sénégal: Harper & Garbary 1997 (as *E. flexuosa*); Cape Verde Islands: Lawson & Price 1969 (as *E. flexuosa* and *E. lingulata*); 'Senegambia': Lawson & John 1987 (as *E. flexuosa*); Gambia: John et al. 2003 (as *E. flexuosa* and *E. lingulata*); Sierra Leone: John et al. 2003 (as *E. flexuosa*); Liberia: John et al. 2003 (as *E. flexuosa*); Côte d'Ivoire: John et al. 2003 (as *E. flexuosa*); Ghana: John et al. 2003 (as *E. flexuosa*); Togo: John et al. 2003 (as *E. flexuosa*); Nigeria: John et al. 2003 (as *E. flexuosa* and *E. lingulata*); Cameroun: John et al. 2003 (as *E. flexuosa* and *E. lingulata*); São Tomé: John et al. 2003 (as *E. flexuosa*); Gabon: John et al. 2003 (as *E. flexuosa* and *E. lingulata*); Angola: Lawson et al. 1975 (as *E. flexuosa* and *E. lingulata*); Namibia: Rull Lluich 2002 (as *E. flexuosa*); Ascension: Price & John 1980 (as *E. flexuosa* and *E. lingulata*); Annon: John et al. 2003 (as *E. flexuosa*).

Comments: The subspecies *paradoxa* of *E. flexuosa* (now *Ulva flexuosa*) has been recorded only from the Salvages and Madeira. For doubt attaching to earlier records from Annon (as *E. flexuosa*), see Lawson & Price (1969). Hayden et al. (2003) were unable to transfer *E. lingulata* to *Ulva* because of the prior existence of *Ulva lingulata* DC that was 'most likely referable to *Hypoglossum hypoglossoides*'. We have followed Hayden et al. (2003) who consider this species close to or identical with *E. flexuosa*. For further discussion of the conspecificity of *E. flexuosa* and *E. lingulata*, see Lawson & Price (1969). This species of *Enteromorpha* has been transferred to *Ulva*, see Hayden et al. (2003).

***Ulva hookeriana* (Kütz.) Hayden et al.**

Synonym: *Enteromorpha bulbosa* (Suhr) Kütz.
Distribution: Namibia: Rull Lluich 2002 (as *Enteromorpha bulbosa*).

Comments: According to Hayden et al. (2003), the *Ulva bulbosa* combination was not available when transferring this species from *Enteromorpha* to *Ulva*.

***Ulva intestinalis* L.**

Synonym: *Enteromorpha intestinalis* (L.) Nees

Distribution: Madeira: Neto et al. 2001 (as *E. intestinalis*); Salvage Islands: Neto et al. 2001 (as *E. intestinalis*); Cape Verde Islands: John et al. 2003 (as *E. intestinalis*); Guinea-Bissau: John et al. 2003 (as *E. intestinalis*); Ghana: John et al. 2003 (as *E. intestinalis*); Namibia: Rull Lluich 2002 (as *E. intestinalis*); Ascension: Price & John 1980 (as *E. intestinalis*).

Comments: For a discussion on *Enteromorpha intestinalis* versus *E. compressa* (both now in *Ulva*), see Rull Lluich (2002). This *Enteromorpha* species has been transferred to *Ulva*, see Hayden et al. (2003).

***Ulva lactuca* L.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Western Sahara: Lawson & Price 1969; Mauritanie: Lawson & Price 1969; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Gambia: John & Lawson 1977; South Sénégal: Chevalier 1920; Guinée: Lawson & Price 1969; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Principe: John et al. 2003; São Tomé: John et al. 2003; Republic of the Congo: Lawson & Price 1969; Angola: Lawson & Price 1969; Ascension: Price & John 1980; St. Helena: Lawson & Price 1969.

Comments: *Ulva lactuca* forma *cribrosa* (C. Agardh) Bornet has been reported from the Canary Islands by Bornet (1892), but Haroun et al. (2002) discounts the species from this island group. Harper & Garbary (1997) reported var. *crispa* P.J.L. Dang. for North Sénégal.

***Ulva linza* L.**

Synonym: *Enteromorpha linza* (L.) J. Agardh, *Ulva crispata* Berthold

Distribution: Salvage Islands: Neto et al. 2001 (as *E. linza*); Canary Islands: Haroun et al. 2002 (as *E. linza*); Ghana: John et al. 2003 (as *E. linza*); Gabon: John et al. 2003 (as *E. linza*); Angola: Lawson et al. 1975 (as *E. linza*); Namibia: Rull Lluich 2002 (as *E. linza*).
Comments: See under *Ulva atroviridis*.

***Ulva nematoidea* Bory**

Distribution: Namibia: Rull Lluich 2002.

***Ulva parvula* Kütz.**

Distribution: St. Helena: Lawson & Price 1969?

Comments: For doubt attaching to the St. Helena record, see Lawson & Price (1969).

***Ulva popenguinensis* P.J.L. Dang.**

Distribution: North Sénégal: Lawson & Price 1969; Gambia: John et al. 2003.

***Ulva procera* (Ahlner) Hayden et al.**

Synonyms: *Enteromorpha procera* Ahlner; *Enteromorpha ahlneriana* Bliding
Distribution: Madeira: Neto et al. 2001 (as *E. procera*); Ghana: John et al. 2003? (as *E. ahlneriana*).

***Pseudochlorodesmis furcellata* (Zanardini) Børgesen**

Synonyms: *Bryopsis penicillum* Menegh.; *Derbesia furcellata* (Zanardini) Ardiss.; *Derbesia penicillum* (Menegh.) Ardiss.
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991.

***Rhizenteron saxatile* P.J.L. Dang**

Distribution: Mauritania: Lawson & Price 1969?; North Sénégal: Lawson & Price 1969?
Comments: Doubt attaching to the West African records refers to the status of a species that requires further investigation.

***Rhizoclonium africanum* Kütz.**

Synonyms: *Rhizoclonium ambiguum* (Hook. & Harvey) Kütz.; *Rhizoclonium hookeri* Kütz
Distribution: Canary Islands: unpublished; 'Senegambia': Lawson & Price 1969; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; Gabon: John et al. 2003; Angola: Lawson et al. 1975.

***Rhizoclonium riparium* (Roth) Kütz. ex Harv.**

Synonyms: *Rhizoclonium riparium* var. *implexum* (Dillwyn) Rosenv.; *R. implexum* (Dillwyn) Kütz.; *Lota implexum* (Harv.) Hamel
Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Lawson & John 1977 (as *R. implexum*); Cape Verde Islands: Lawson & Price 1969 (as *R. implexum*); Gambia: John et al. 2003 (as var. *implexum*); Sierra Leone: John et al. 2003 (as var. *implexum*); Côte d'Ivoire: John et al. 2003 (also as var. *implexum*); Togo: John et al. 2003; Benin: John et al. 2003 (as var. *implexum*); Nigeria: John et al. 2003 (also as var. *implexum*); Cameroun: John et al. 2003 (also as var. *implexum*); Bioko: John et al. 2003; São Tomé: John et al. 2003 (as var. *implexum*); Angola: Lawson et al. 1975 (as *R. implexum*); Ascension: Lawson & Price 1969 (as var. *implexum*).
Comments: All records of *R. implexum* and *L. implexum* are now placed under *R. riparium* var. *implexum*, see John et al. (2003).

***Rhizoclonium tortuosum* (Dillwyn) Kütz.**

Distribution: Canary Islands: Haroun et al. 2002.

***Siphonocladus tropicus* (P. Crouan & H. Crouan) J. Agardh**

Distribution: Canary Islands: Haroun et al. 2002; Mauritania: Lawson & Price 1969; São Tomé: John et al. 2003.

***Stromatella monostromatica* (P.J.L. Dang.) Kornmann & Sahling**

Synonym: *Ulvella monostromatica* P.J.L. Dang.
Distribution: Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002?
Comments: Only tentatively recorded from Namibia, see Rull Lluich (2002).

***Trichosolen myura* (J. Agardh) W.R. Taylor**

Synonym: *Pseudobryopsis myura* (J. Agardh) Berthold
Distribution: Canary Islands: Haroun et al. 2002 (as *P. myura*).

***Trichosolen retrorsa* D.M. John**

Distribution: Ghana: John et al. 2003.

***Udotea flabellum* (J. Ellis & Sol.) M.A. Howe**

Distribution: Cape Verde Islands: Otero-Schmitt 1994.

***Ulothrix flacca* (Dillwyn) Thur.**

Distribution: Canary Islands: Haroun et al. 2002.

***Ulva atroviridis* Levring**

Synonym: *Enteromorpha atroviridis* (Levring) M.J. Wynne
Distribution: Namibia: Rull Lluich 2002 (as *E. atroviridis*).

Comments: An analysis of molecular and other data has provided strong evidence that *Ulva* and *Enteromorpha* are congeneric, with *Ulva* the earliest name (see Hayden et al. 2003).

***Ulva californica* Wille**

Distribution: North Sénégal: Harper & Garbary 1997.

Comments: Considerable doubt attaches to earlier records from Sénégal, see Lawson & Price (1969).

***Ulva capensis* Aresch.**

Distribution: Namibia: Rull Lluich 2002.

***Ulva chaetomorphoides* (Børgesen) Hayden et al.**

Synonym: *Enteromorpha chaetomorphoides* Børgesen

Distribution: Sierra Leone: Lawson & John 1987 (as *Enteromorpha chaetomorphoides*).
Comments: See discussion in Lawson & John (1987) and comments under *Ulva atroviridis*.

***Ulva clathrata* (Roth) C. Agardh**

Synonyms: *Enteromorpha clathrata* (Roth) Grev., *E. ramulosa* (J.E. Smith) Carmich.; *E. muscoides* (Clemente) Cremades; *E. crinita* (Roth) J. Agardh; *E. gelatinosa* Kütz.; *E. spinescens* Kütz.

Distribution: Madeira: Neto et al. 2001 (as *E. clathrata*); Salvage Islands: Neto et al. 2001 (as *E. clathrata*); Canary Islands: Haroun et al. 2002 (as *E. clathrata*); Mauritania: Marcot-Coquegniot 1991 (as *E. clathrata*, *E. ramulosa*); Sierra Leone: John et al. 2003 (as *E. clathrata*); Liberia: John et al. 2003 (as *E. clathrata*); Côte d'Ivoire: John et al. 2003 (as *E. clathrata*); Ghana: John et al. 2003 (as *E. clathrata*); Togo: John et al. 2003 (as *E. clathrata*); Nigeria: John et al. 2003 (as *E. clathrata*); Cameroun: John et al. 2003 (as *E. clathrata*); São Tomé: John et al. 2003 (as *E. clathrata*); Ascension: Lawson & Price 1969 (as *E. clathrata*); St. Helena: Lawson et al. 1993 (as *E. clathrata*); Annobon: John et al. 2003 (as *E. clathrata*).

Comments: Blomster et al. (1999), when considering *E. ramulosa* and *E. clathrata* to be synonyms of *E. muscoides*, failed to recognize that *E. clathrata* has priority. The basionym of *E. clathrata* (*Conferva clathrata*) was published by Roth in 1806 and that of *E. muscoides* (*Ulva muscoides*) by Clemente in 1807. This species of *Enteromorpha* has been transferred to *Ulva*, see Hayden et al. (2003).

Comments: For the considerable taxonomic confusion surrounding this and closely related species, see Silva et al. (1996).

***Microdictyon calodictyon* (Mont.) Kütz.**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Lawson & Price 1969; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; São Tomé: John et al. 2003.

***Microdictyon tenuius* (C. Agardh) Decne.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Neomeris annulata* Dickie**

Distribution: Cape Verde Islands: Prud'homme van Reine 1984; Ascension: Price & John 1980.

***Neomeris mucosa* M. Howe**

Distribution: Cape Verde Islands: Prud'homme van Reine 1984.

***Ochlochaete hystrix* Thwaites ex Harv.**

Distribution: Canary Islands: Haroun et al. 2002.

***Ostreobium quекettii* Bornet & Flahault**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.

***Palmophyllum crassum* (Naccari) Rabenh.**

Synonym: *Palmophyllum crassum* (Naccari) Rabenh. var. *typicum* Feldmann
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: unpublished.

***Pedobesia simplex* (Meneghini ex Kütz.) M.J. Wynne & Leliaert**

Synonyms: *Pedobesia lamourouxii* (J. Agardh) Feldmann et al.; *Derbesia lamourouxii* (J. Agardh) Solier
Distribution: Madeira: Neto et al. 2001; North Sénégal: Harper & Garbary 1997 (as *D. lamourouxii*); Namibia: Rull Lluich 2002 (as *P. lamourouxii*).

***Penicillus capitatus* Lamarck**

Synonyms: *Penicillus mediterranea* (Decne.) Huvé & Huvé; *Espera mediterranea* Decne.
Distribution: Madeira: Neto et al. 2001.

***Percursaria percura* (C. Agardh) Rosenv.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; St. Helena: Lawson & Price 1969?
Comments: For doubt concerning St. Helena records, see remarks in Lawson & Price (1969).

***Phaeophila bulbochaete* (P.J.L. Dang.) R. Nielsen**

Synonym: *Ectochaete bulbochaete* P.J.L. Dang.
Distribution: North Sénégal: Harper & Garbary 1997.

***Phaeophila dendroides* (P. Crouan & H. Crouan) Batters**

Synonym: *Phaeophila divaricata* Huber
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Phaeophila tenuis* (Kylim) R. Nielsen**

Synonym: *Entocladia tenuis* Kylin
Distribution: Canary Islands: Haroun et al. 2002.

***Phaeophila vagans* (Børgesen) R. Nielsen**

Synonyms: *Entocladia vagans* (Børgesen) W.R. Taylor; *Endoderma vagans* Børgesen
Distribution: Ghana: John et al. 2003 (as *Entocladia vagans*); Namibia: Rull Lluich 2002 (as *Entocladia vagans*).

***Phyllodictyon anastomosans* (Harv.) Kraft & M.J. Wynne**

Synonyms: *Struvea anastomosans* (Harv.) Picc. & Grunow; *Struvea delicatula* Kütz.
Distribution: Madeira: Neto et al. 2001; Mauritanie: Lawson & Price 1969? (as *S. anastomosans*); North Sénégal: Harper & Garbary 1997 (as *S. anastomosans*); Cape Verde Islands: Lawson & Price 1969 (as *S. anastomosans*); Gambia: John et al. 2003; Guinée: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Ascension: Price & John 1980 (as *S. anastomosans*); Annobon: John et al. 2003.

Comments: Doubt attaching to the record for Cape Verde Islands relates to uncertainty as to whether the material should be attributed to *Phyllodictyon anastomosans* or *P. pulcherrimum*. The same uncertainty attaches to records from other parts of West Africa and can only be resolved by an examination of the material upon which they were based.

***Phyllodictyon pulcherrimum* J.E. Gray**

Synonyms: *Struvea ramosa* Dickie; *Struvea pulcherrima* (J.E. Gray) Murray & Boodle
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Pringsheimiella sanctae-luciae* R. Nielsen & McLachan**

Distribution: Canary Islands: Haroun et al. 2002.

***Pringsheimiella scutata* (Reinke) Höhn. ex Marchew.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Pseudendoclonium fucicola* (Rosenv.) R. Nielsen**

Distribution: Canary Islands: Haroun et al. 2002.

***Pseudendoclonium marinum* (Reinke) Aleem & E. Schulz**

Synonym: *Protoderma marina* Reinke
Distribution: Salvage Islands: Neto et al. 2001.

***Pseudendoclonium submarinum* Wille**

Distribution: Salvage Islands: Neto et al. 2001.

Comments: Lawson & Price (1969) point out that this species has never been validly published.

***Derbesia tenuissima* (Moris & De Not.) P. Crouan & H. Crouan**

Synonym: *Halicystis parvula* F. Schmitz

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969.

***Derbesia turbinata* M. Howe & Hoyt**

Distribution: North Sénégal: Harper & Garbary 1997.

***Dictyosphaeria cavernosa* (Forssk.) Børgesen**

Synonym: *Dictyosphaeria favulosa* (C. Agardh) Decne. ex Endlich.

Distribution: Cape Verde Islands: Lawson & Price 1969 (as *D. favulosa*).

***Dictyosphaeria ocellata* (M. Howe) J.L. Olsen**

Synonym: *Valonia ocellata* M. Howe

Distribution: Canary Islands: Haroun et al. 2002 (as *V. ocellata*); Cape Verde Island: unpublished.

***Dictyosphaeria versluysii* Weber Bosse**

Distribution: Ascension: Price & John 1980.

***Endogenes ceramii* P.J.L. Dang.**

Distribution: North Sénégal: Lawson & Price 1969?

Comments: The doubt attaching to this record concerns the taxonomic status of the genus.

***Endogenes polysiphoniae* P.J.L. Dang.**

Distribution: North Sénégal: Lawson & Price 1969?

Comments: The doubt attaching to this record concerns the taxonomic status of the genus.

***Enteromorpha fasciculata* P.J.L. Dang.**

Distribution: North Sénégal: Harper & Garbary 1997.

Comment: According to Hayden et al. (2003), the transfer of this species to *Ulva* is blocked by a pre-existing *Ulva* binomial which we have been unable to trace. Otherwise most other species of *Enteromorpha* are transferred to *Ulva*.

***Enteromorpha multiramosa* Bliding**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

Comment: According to Hayden et al. (2003), the species is invalid because Bliding did not cite the type. Otherwise most other species of *Enteromorpha* are transferred to *Ulva*.

***Epicladia flustrae* Reinke**

Synonyms: *Entocladia flustrae* (Reinke) Batters; *Endoderma flustrae* (Reinke) Batters

Distribution: Madeira: Neto et al. 2001.

***Epicladia heterotricha* (Yarish) R. Nielsen**

Synonyms: *Ulvella heterotricha* (Yarish) M.J. Wynne; *Pseudulvella heterotricha* Yarish

Distribution: Canary Islands: Haroun et al. 2002.

***Epicladia testarum* (Kyllin) R. Nielsen**

Distribution: Angola: Lawson et al. 1975?

Comments: A doubtful determination.

***Ernodesmis verticillata* (Kütz.) Børgesen**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Ghana: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Angola: Lawson et al. 1975; St. Helena: Lawson & Price 1969.

***Flabellia petiolata* (Turra) Nizam.**

Synonyms: *Flabellaria petiolata* (Turra) Trev.; *Udotea desfontainii* (J.V. Lamour.) Decne; *Udotea minima* Ernst; *Udotea petiolata* (Turra) Børgesen

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969 (as *U. petiolata*).

***Gayralia oxysperma* (Kütz.) K.L. Vinogr. ex Scagel. et al.**

Synonyms: *Monostroma oxyspermum* (Kütz.) Doty; *Ulvaria oxysperma* (Kütz.) Bliding

Distribution: Canary Islands: Haroun et al. 2002; Nigeria: John et al. 2003 (as *U. oxysperma*).

***Gomontia polyrhiza* (Lagerh.) Bornet & Flahault**

Distribution: Canary Islands: Haroun et al. 2002; Sierra Leone: Lawson & John 1987?

Comments: For doubt attaching to the record from Sierra Leone, see discussion in Lawson & John 1987.

***Halimeda discoidea* Decne.**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.

***Halimeda tuna* (J. Ellis & Sol.) J.V. Lamour.**

Synonym: *Halimeda platydisca* (Decne.) E.S. Barton

Distribution: Canary Islands: Haroun et al. 2002; Angola: Lawson et al. 1975.

Comments: For old incorrect records of *H. tuna* from the Cape Verde Islands, see Lawson & Price 1969.

***Kallonema caespitosum* Dickie**

Distribution: Cape Verde Islands: Lawson & Price 1969?

Comments: For doubt concerning Cape Verde Island records, see remarks in Lawson & Price (1969).

***Microdictyon boergesenii* Setch.**

Synonym: *Microdictyon agardhianum* Decne.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

- Codium bursa* (L.) C. Agardh**
Distribution: Canary Islands: Haroun et al. 2002.
- Codium carolinianum* Searles**
Distribution: Canary Islands: Haroun et al. 2002.
- Codium decorticatum* (Woodw.) M. Howe**
Synonym: *Codium elongatum* C. Agardh
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & Price 1969; Mauritania: Lawson & Price 1969; 1969; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; South Sénégal: Lawson & John 1987; Sierra Leone: John et al. 2003; Angola: Lawson & Price 1969; Namibia: Rull Lluich 2002.
- Codium duthieae* P.C. Silva**
Distribution: Namibia: Rull Lluich 2002.
Comments: For discussion on the status of this species, see Rull Lluich (2002).
- Codium effusum* (Raf.) Delle Chiaje**
Synonym: *Codium difforme* Kütz.
Distribution: Canary Islands: Haroun et al. 2002.
- Codium elisabethae* O.C. Schmidt**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.
- Codium fragile* (Suringar) Hariot**
Distribution: Canary Islands: Haroun et al. 2002; Namibia: Rull Lluich 2002.
Comments: Various subspecies have been recognised in the region (e.g. subspecies *tomentoides* from the Canary Islands and the subspecies *capense* from Namibia).
- Codium guineense* P.C. Silva ex G.W. Lawson & D.M. John**
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: unpublished, det. M. Chacana, Herb. Leiden; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Angola: Lawson & Price 1969.
- Codium intertextum* Collins & Herv.**
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.
- Codium isaacii* P.C. Silva**
Distribution: Namibia: Rull Lluich 2002.
- Codium isthmocladum* Vickers**
Distribution: Mauritania: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997 (as var. *clavatum*).
- Codium platylobium* P.J.L. Dang.**
Synonym: *Codium lindenbergii* Binder ex Kütz.
- Distribution: North Sénégal: Lawson & Price 1969? (as *C. lindenbergii*).
Comments: See discussions in Lawson & Price (1969) for doubt attaching to this record.
- Codium repens* P. Crouan & H. Crouan ex Vickers**
Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.
- Codium spongiosum* Harv.**
Distribution: St. Helena: Lawson et al. 1993.
- Codium taylorii* P.C. Silva**
Distribution: Madeira: unpublished, det. M. Chacana, herb. Leiden; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Ghana: John et al. 2003; Ascension: Price & John 1980; St. Helena: Lawson & Price 1969.
- Codium tenue* Kütz.**
Distribution: North Sénégal: Harper & Garbary 1997.
Comments: See discussion in Lawson & Price (1969) for doubt attaching to this record.
- Codium tomentosum* (Huds.) Stackh.**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritania: Lawson & Price 1969; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Príncipe: Lawson & Price 1969?; São Tomé: Lawson & John 1987?; Gabon: Lawson & Price 1969?; Republic of the Congo: Lawson & Price 1969?; Angola: Lawson & Price 1969?
Comments: See discussion in Lawson & Price (1969) for doubt attaching to many of the records from the West African region.
- Codium vermilara* (Oliv.) Delle Chiaje**
Synonym: *Codium lineare* P.J.L. Dang.?
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997 (as *C. lineare*).
Comments: Doubt attaches to earlier records for North Sénégal, see discussion in Lawson & Price (1969).
- Cynopolia barbata* (L.) J.V. Lamour.**
Distribution: Canary Islands: Haroun et al. 2002.
- Dasycladus vermicularis* (Scop.) Krasser**
Distribution: Madeira: Neto et al. 2001; Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.
- Derbesia marina* (Lyngb.) Solier**
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.
- Derbesia souriei* Feldmann**
Distribution: North Sénégal: Harper & Garbary 1997.

***Cladophora kamerunica* Brand**

Distribution: Sierra Leone: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003?

Comments: Doubt attaching to the Bioko record concerns its identification.

***Cladophora laetevirens* (Dillwyn) Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969; Ghana: John et al. 2003; Príncipe: Lawson & John 1987; São Tomé: John et al. 2003.

***Cladophora lehmanniana* (Lindenb.) Kütz.**

Distribution: Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.

***Cladophora liebetruthii* Grunow**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Cladophora montagneana* Kütz.**

Distribution: Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003.

Comments: According to Hoek (1982), tropical records of *Cladophora albida* should more correctly be attributed to *C. montagneana*.

***Cladophora pellucida* (Huds.) Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.

***Cladophora prolifera* (Roth) Kütz.**

Synonyms: *Cladophora catenata* (C. Agardh) Hauck; *Cladophora multifida* Brand
Distributions: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997 (also as *C. multifida*); Cape Verde Islands: Lawson & Price 1969; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Lawson et al. 1975.

***Cladophora ruchingeri* (C. Agardh) Kütz.**

Distribution: Cape Verde Islands: Otero-Schmitt 1994; Ghana: John et al. 2003.

***Cladophora rupestris* (L.) Kütz.**

Synonym: *Cladophora ramosissima* (Drap. ex Kütz.) Kütz.
Distribution: North Sénégal: Harper & Garbary 1997 (also as *C. ramosissima*).
Comments: The record from Sénégal is regarded as doubtful since *C. rupestris* is not considered to be a tropical species (see Hoek 1982).

***Cladophora senegalensis* De Toni**

Distribution: North Sénégal: Lawson & Price 1969; Gambia: Lawson & Price 1969.
Comments: Considered by Lawson & John (1987) to be a doubtful species.

***Cladophora sericea* (Huds.) Kütz.**

Synonyms: *Cladophora flexuosa* (O.F. Müll.) Kütz; *Cladophora crystallina* (Roth) Kütz.
Distribution: Madeira: Neto et al. 2001 (as *C. flexuosa*); Salvage Islands: Neto et al. 2001 (as *C. flexuosa*); Canary Islands: Haroun et al. 2002 (also as *C. flexuosa*); North Sénégal: Harper & Garbary 1997 (also as *C. flexuosa*); Namibia: Rull Lluich 2002?
Comments: Only tentatively recorded from Namibia, see comments in Rull Lluich (2002).

***Cladophora socialis* Kütz.**

Distribution: Madeira: Neto et al. 2001; Liberia: John et al. 2003.

***Cladophora theotonii* O.C. Schmidt**

Distribution: North Sénégal: Harper & Garbary 1997.

***Cladophora vadorum* (Aresch.) Kütz.**

Distribution: Gabon: John et al. 2003.

***Cladophora vagabunda* (L.) C. Hoek**

Synonyms: *Cladophora fascicularis* (Mert.) Kütz; *Cladophora penicillata* Kütz.
Distribution: Madeira: Neto et al. 2001 (as *C. fascicularis*); Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Lawson & John 1977 (as *C. fascicularis*); North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003.

***Cladophoropsis brachyarta* (Svedelius) Børgesen**

Synonym: *Siphonocladus brachyartus* Svedelius
Distribution: Côte d'Ivoire: Lawson & John 1987?
Comments: Doubt is expressed by Lawson & John (1987) concerning the identification. The West African material requires further investigation since the species has only been recorded previously from colder water areas in South America.

***Cladophoropsis macromeres* W.R. Taylor**

Distribution: Canary Islands: Haroun et al. 2002.

***Cladophoropsis membranacea* (C. Agardh) Børgesen**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969; Guinea-Bissau: John et al. 2003; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; St. Helena: Lawson et al. 1993.

***Codium adhaerens* C. Agardh**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.
Comments: Recorded for "western Africa" by Schmidt (1931).

Distribution: Mauritania: Lawson & Price 1969; Ghana: John et al. 2003 (as *C. brachygona*); St. Helena: Lawson et al. 1993?
Comments: Doubt concerns the identity of the St. Helena material on which the record is based.

***Chaetomorpha linum* (O.F. Müll.) Kütz.**

Synonym: *Chaetomorpha gallica* Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & John 1977; North Sénégal: Harper & Garbary 1997; Gambia: John & Lawson 1977; South Sénégal: John et al. 2003; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Togo: John et al. 2003; Cameroun: John et al. 2003; Gabon: John et al. 2003; Namibia: Rull Lluich 2002?

Comments: Rull Lluich (2002) does not follow Christensen (1957) in considering *C. aerea* and *C. linum* to be mere growth forms of the same species and suggests that the record for the latter species should be deleted from the Namibian flora.

***Chaetomorpha nodosa* Kütz.**

Distribution: Mauritania: Marcot-Coqueugniot 1991?; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Togo: John et al. 2003; Cameroun: John et al. 2003.

Comments: Identification of the material from Mauritania is uncertain.

***Chaetomorpha pachynema* (Mont.) Mont.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969; Sierra Leone: John et al. 2003.

***Chaetomorpha robusta* (Aresch.) Papenfuss**

Distribution: Namibia: Rull Lluich 2002.

***Chara gymnopus* A. Braun**

Distribution: North Sénégal: Lawson & Price 1969.

***Chara zeylanica* Willd.**

Distribution: North Sénégal: Lawson & Price 1969; Ghana: Lawson & Price 1969.

***Cladophora albida* (Nees) Kütz.**

Synonyms: *Cladophora neesiorum* (C. Agardh) Kütz; *Cladophora tenuis* Kütz.

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Angola: Lawson et al. 1975.

Comments: See remarks under *C. montagneana*.

***Cladophora capensis* (C. Agardh) De Toni**

Distribution: Namibia: Rull Lluich 2002.

***Cladophora coelothrix* Kütz.**

Synonym: *Cladophora repens* (J. Agardh) Kütz.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Guinée: John et al. 2003; Liberia: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Ascension: Lawson & Price 1969; St. Helena: Lawson & Price 1969.

***Cladophora conferta* P. Crouan & H. Crouan**

Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003.

***Cladophora conglomerata* Pilg.**

Distribution: Cameroun: Lawson & Price 1969?

Comments: For doubt, see comments in Lawson & Price (1969).

***Cladophora contexta* Levr.**

Distribution: Namibia: Rull Lluich 2002.

***Cladophora cymopoliae* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002.

***Cladophora dalmatica* Kütz.**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Ghana: John et al. 2003; São Tomé: John et al. 2003; Namibia: Rull Lluich 2002?

Comments: For doubt concerning the record from North Sénégal and Namibia, see discussion in Lawson & Price (1969) and Rull Lluich (2002) respectively.

***Cladophora feredayi* Harv.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Cladophora flagelliformis* (Suhr) Kütz.**

Synonym: *Cladophora virgata* Kütz.

Distribution: Namibia: Rull Lluich 2002.

***Cladophora glomerata* (L.) Kütz.**

Distribution: Madeira: Neto et al. 2001.

***Cladophora hospita* (Mert. ex Chamisso) Kütz.**

Synonym: *Cladophora mirabilis* (C. Agardh) Rabenh.

Distribution: Angola: Lawson & Price 1969 (as *C. mirabilis*); Namibia: Rull Lluich 2002.

***Cladophora hutchinsiae* (Dillwyn) Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

***Cladophora inclusa* Børgesen**

Distribution: Canary Islands: Haroun et al. 2002.

***Caulerpa prolifera* (Forssk.) J.V. Lamour.**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Lawson & Price 1969.

***Caulerpa racemosa* (Forssk.) J. Agardh**

Synonym: *Caulerpa racemosa* (Forssk.) J. Agardh var. *peltata* (J.V. Lamour.) Eubank; *Caulerpa peltata* J.V. Lamour; *Caulerpa occidentalis* (J. Agardh) Jaasund; *Caulerpa feldmannii* Rays & Edelstein; *Caulerpa clavifera* (Turner) C. Agardh; *Caulerpa lamourouxii* C. Agardh.

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Børgesen 1925 (as *C. peltata*); North Sénégal: Harper & Garbary 1997 (also as *C. racemosa* var. *peltata*); Cape Verde Islands: Lawson & Price 1969 (as *C. peltata*); Sierra Leone: John et al. 2003 (as *C. peltata*); Côte d'Ivoire: Lawson & John 1987; Liberia: John et al. 2003; Ghana: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Annobon: John et al. 2003.

Comments: Many varieties and forms have been described; some possibly represent separate species.

***Caulerpa scalpelliformis* (R. Br. ex Turner) C. Agardh**

Distribution: Canary Islands: Gil-Rodríguez & Afonso-Carrillo 1980?; Gambia: John et al. 2003; 'Senegambia': Lawson & Price 1969?; São Tomé: John et al. 2003; Angola: Lawson & Price 1969.

Comments: For doubt attaching to the 'Senegambia' record, see comments in Lawson & Price (1969) and for doubt concerning the Canary Islands, see Gil-Rodríguez and Afonso-Carrillo (1980).

***Caulerpa vertularioides* (S.G. Gmelin) M. Howe**

Synonym: *Caulerpa plumaris* (Forssk.) C. Agardh var. *farlowii* (Weber Bosse) Børgesen
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Lawson & Price 1969?; Cape Verde Islands: Lawson & Price 1969; Gambia: John et al. 2003; 'Senegambia': Lawson & Price 1969; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Angola: Lawson & Price 1969.
Comments: The doubt attaching to its occurrence in Sénégal refers to its locality, see Lawson & Price (1969).

***Caulerpa taxifolia* (Vahl) C. Agardh**

Synonyms: *Caulerpa pectinata* Kütz.; *Caulerpa pinnata* (L.) Weber Bosse
Distribution: Mauritanie: Lawson & Price 1969; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Lawson & Price 1969; Gambia: John et al. 2003; South Sénégal: Chevalier 1920 (as *C. pinnata*); Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Príncipe: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003.
Comments: Doubt inevitably attaches to many of these records since some might be more correctly attributed to *C. mexicana*, a species which has erroneously been placed in the synonymy of *C. taxifolia*. The latter is not known to occur in the Canary Islands, see Haroun et al. (2002).

***Caulerpa verticillata* J. Agardh**

Distribution: Cape Verde Islands: unpublished.

***Caulerpa webbiana* Mont.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.

***Caulerpa ambigua* (Okamura) Prud'homme & Lokhorst**

Synonym: *Caulerpa ickersiae* Børgesen

Distribution: Cape Verde Islands: Prud'homme van Reine & Lokhorst 1992; Liberia: John et al. 2003; Ghana: John et al. 2003; Ascension: Price & John 1980 (as *Caulerpa vickersiae*).

***Chaetomorpha aerea* (Dillwyn) Kütz.**

Distribution: Madeira: Neto et al. 2001; Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & Price 1969; Namibia: Rull Lluich 2002; Ascension: Price & John 1980.

Comments: Lawson & John (1987) follow Christensen (1957) in considering *C. aerea* and *C. linum* to be growth forms of the same taxon, with the latter name having priority.

***Chaetomorpha antennina* (Bory) Kütz.**

Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: John et al. 2003; Gambia: John & Lawson 1977; Guinée: John et al. 2003; Liberia: John et al. 2003; Sierra Leone: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; São Tomé: John et al. 2003; Angola: Lawson et al. 1975.

***Chaetomorpha clavata* Kütz.**

Distribution: Cape Verde Islands: unpublished; São Tomé: John et al. 2003.

***Chaetomorpha crassa* (C. Agardh) Kütz.**

Distribution: Guinea-Bissau: John et al. 2003; São Tomé: John et al. 2003.

***Chaetomorpha gracilis* Kütz.**

Synonym: *Lola gracilis* (Kütz.) Kütz.

Distribution: Canary Islands: Haroun et al. 2002; Sierra Leone: John et al. 2003; São Tomé: John et al. 2003.

***Chaetomorpha ligustica* (Kütz.) Kütz.**

Synonyms: *Chaetomorpha capillaris* (Kütz.) Børgesen; *Chaetomorpha callithrix* Kütz.; *Lola capillaris* Kütz.

Distribution: Madeira: Neto et al. 2001 (as *C. capillaris*); Canary Islands: Haroun et al. 2002; North Sénégal: Lawson & Price 1969 (as *C. capillaris*); Sierra Leone: John et al. 2003; Nigeria: John et al. 2003.

Comments: Considerable confusion surrounds the identity of narrow filamentous green algae commonly referred to as '*Chaetomorpha capillaris*'. Material from the Canary Islands has been referred by Haroun et al. (2001) to *Chaetomorpha ligustica*. For discussion of records for the mainland coast, see John et al. (2003).

***Chaetomorpha linoidea* Kütz.**

Synonym: *Chaetomorpha brachygonia* (Harv.) Sm.

***Bryobesia johannae* Weber Bosse**

Synonym: *Bryobesia cylindrocarpa* M. Howe
Distribution: Canary Islands: Haroun et al. 2002.

***Bryopsidella neglecta* (Berthold) Rietema**

Synonyms: *Bryopsis halymeniae* Berthold; *Derbexia neglecta* Berthold; *Bryopsidella haly-meniae* (Berthold) Feldmann
Distribution: Salvage Islands: Parente et al. 2001; Canary Islands: Haroun et al. 2002.

***Bryopsis corymbosa* J. Agardh**

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Western Sahara: Lawson & John 1977; Mauritanie: Marcot-Coquegniot 1991?; North Sénégal: Harper & Garbary 1997; Angola: Lawson et al. 1975.
Comments: Doubt attaching to the record by Marcot-Coquegniot (1991) from Mauritanie is because the material on which it is based was 'incomplete or sterile'.

***Bryopsis cupressina* J.V. Lamour.**

Synonym: *Bryopsis penicillata* Suhr
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

***Bryopsis duplex* De Not.**

Synonyms: *Bryopsis caespitosa* Suhr ex Kütz; *Bryopsis disticha* (J. Agardh) Kütz; *Bryopsis balbisiana* J.V. Lamour. ex C. Agardh
Distribution: Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997 (as *B. balbisiana*); Cape Verde Islands: Lawson & Price 1969; Sierra Leone: Lawson & John 1987?; Angola: Lawson et al. 1975 (as *B. balbisiana*); Namibia: Rull Lluich 2002 (as *B. caespitosa*).

Comments: Recorded with doubt from Sussex in Sierra Leone by Lawson & John (1987) (as *B. balbisiana*).

***Bryopsis feldmannii* Gallardo & G. Furnari**

Synonyms: *Bryopsis cupressina* auct. non J.V. Lamour.; *Bryopsis cupressoides* Kütz. sensu Feldmann
Distribution: North Sénégal: Harper & Garbary 1997 (as *B. cupressoides*).
Comments: Records from the Canary Islands and Sénégal under the names *B. cupressina* and *B. cupressoides* should be referred to *Bryopsis feldmannii* (see Gallardo et al. 1993, p. 413).

***Bryopsis hypnoides* J.V. Lamour.**

Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Sierra Leone: Lawson & John 1987?; Namibia: Rull Lluich 2002.
Comments: Recorded by Aleem (1978) from Sierra Leone, but this record considered doubtful by Lawson & John (1987).

***Bryopsis pennata* J.V. Lamour.**

Synonym: *Bryopsis densa* Pilg.
Distribution: North Sénégal: Harper & Garbary 1997; Gambia: John & Lawson 1977; Sierra Leone: John et al. 2003; Liberia: John et al. 2003; Côte d'Ivoire: John et al. 2003; Ghana:

John et al. 2003; Togo: John et al. 2003; Benin: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003; São Tomé: John et al. 2003; Gabon: John et al. 2003; Angola: Lawson & Price 1969; St. Helena: Lawson et al. 1993; Annobon: John et al. 2003.

Comments: The variety *secunda* (Harv.) Collins & Herv. has been reported from Annobon, Ghana and São Tomé.

***Bryopsis plumosa* (Huds.) C. Agardh**

Synonym: *Ulva plumosa* Huds.

Distribution: Western Sahara: Lawson & John 1977. Mauritanie: Marcot-Coquegniot 1991; North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt 1994; Gambia: John & Lawson 1977; Ghana: John et al. 2003; Liberia: John et al. 2003; Sierra Leone: John et al. 2003; Togo: John et al. 2003; Angola: Lawson et al. 1975; St. Helena: Lawson et al. 1993; Namibia: Rull Lluich 2002.

***Bryopsis setacea* Hering**

Synonym: *Bryopsis myosuroides* Kütz.

Distribution: North Sénégal: Harper & Garbary 1997; Cape Verde Islands: Otero-Schmitt & Sanjuan 1992.

***Bryopsis stenoptera* Pilg.**

Distribution: Cape Verde Islands: Otero-Schmitt 1994; Ghana: John et al. 2003; Nigeria: John et al. 2003; Cameroun: John et al. 2003; Bioko: John et al. 2003.

***Bryopsis tenuis* Levr.**

Distribution: Namibia: Rull Lluich 2002.

Comments: The taxonomic status of this species is discussed by Rull Lluich (2002).

***Caulerpa cupressoides* (Vahl) C. Agardh**

Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Lawson & John 1977; Cape Verde Islands: Otero-Schmitt 1994; Cameroun: John et al. 2003; São Tomé: John et al. 2003.

***Caulerpa fastigiata* Mont.**

Distribution: Sierra Leone: John et al. 2003.

***Caulerpa lessonii* Bory**

Distribution: Annobon: Lawson & Price 1969?

Comments: The Annobon record is considered to be very doubtful (see remarks in Lawson & Price 1969).

***Caulerpa mexicana* Sond. ex Kütz.**

Synonym: *Caulerpa crassifolia* (C. Agardh) J. Agardh var. *typica* (Weber Bosse) Børgesen
Distribution: Canary Islands: Haroun et al. 2002; Mauritanie: Lawson & John 1977 (as *C. crassifolia* var. *typica*).

Comments: See discussion under *C. taxifolia* for the confused situation concerning records of these two species in West Africa.

PHYLUM CHLOROPHYTA

Acetabularia acetabulum (L.) P.C. Silva

Synonyms: *Acetabularia mediterranea* J.V. Lamour.; *Acetabularia integra* J.V. Lamour.
Distribution: Canary Islands; Haroun et al. 2002.

Acetabularia calyculus J.V. Lamour.

Distribution: Canary Islands; Haroun et al. 2002.

Acetabularia parvula (Solms) Schnetter & Bula-Meyer

Synonym: *Polyphysa parvula* Solms
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Mauritanie: Marcot-Coqueugniot 1991.

Acetabularia polyphysoides P. Crouan & H. Crouan

Synonym: *Polyphysa polyphysoides* (P. Crouan & H. Crouan) Schnetter.
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994 (as *Polyphysa polyphysoides*).

Acetabularia pusilla (M. Howe) Collins

Distribution: Liberia: John et al. 2003.

Acrochaete geniculata (N.L. Gardner) O'Kelly

Synonym: *Pseudodictyon geniculatum* N.L. Gardner
Distribution: Canary Islands: Haroun et al. 2002.

Acrochaete inflata (Erceg.) R. Nielsen

Synonym: *Pseudodictyon inflatum* Erceg.
Distribution: Mauritanie: Marcot-Coqueugniot 1991.

Acrochaete leptochaete (Huber) R. Nielsen

Synonyms: *Ectochaete leptochaete* (Huber) Wille; *Entocladia leptochaete* (Huber) Burrows; *Phaeophila leptochaete* (Huber) R. Nielsen
Distribution: Madeira: Neto et al. 2001; Namibia: Rull Lluich 2002 (as *Entocladia leptochaete*).

Acrochaete major (Feldmann) Per.-Boudour. & Seridi

Synonyms: *Endoderma majus* Feldmann; *Entocladia major* (Feldmann) R. Nielsen
Distribution: Mauritanie: Marcot-Coqueugniot 1991 (as *Entocladia major*).

Acrochaete repens N. Pringsh.

Distribution: Canary Islands: Haroun et al. 2002.

Acrochaete viridis (Reinke) R. Nielsen

Synonyms: *Endoderma viride* (Reinke) R. Nielsen; *Entocladia viridis* Reinke; *Phaeophila viridis* (Reinke) Burrows.
Distribution: Madeira: Neto et al. 2001 (as *Entocladia viridis*); Salvage Islands: Neto et al. 2001 (as *Entocladia viridis*); Canary Islands: Haroun et al. 2002 (as *Entocladia viridis*);

Mauritanie: Lawson & John 1977 (as *Phaeophila viridis*); Cape Verde Islands: Otero-Schmitt 1994 (as *Entocladia viridis*); Sierra Leone: John et al. 2003 (as *Entocladia viridis*); Ghana: John et al. 2003 (as *Entocladia viridis*); Angola: Lawson & Price 1969 (as *Entocladia viridis*); Namibia: Rull Lluich 2002 (as *Entocladia viridis*); St. Helena: Lawson et al. 1993 (as *Entocladia viridis*).

Anadyomene saldanhae A.B. Joly & E.C. Oliveira

Distribution: Canary Islands: Haroun et al. 2002.

Anadyomene stellata (Wulfen) C. Agardh

Synonym: *Anadyomene flabellata* J.V. Lamour.
Distribution: Salvage Islands: Neto et al. 2001; Canary Islands: Haroun et al. 2002; Cape Verde Islands: Otero-Schmitt 1994.

Avrainvillea canariensis A. Gepp & E.S. Gepp

Synonym: *Rhipilia tomentosa* Kütz.
Distribution: Canary Islands: Haroun et al. 2002.

Batophora occidentalis (Harv.) S. Berger & Kaever ex M.J. Wynne

Distribution: Canary Islands: Haroun et al. 2002.

Blastophysa rhizopus Reinke

Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002.

Blidingia marginata (J. Agardh) P.J.L. Dang. ex Bliding

Synonyms: *Enteromorpha marginata* J. Agardh; *Enteromorpha micrococca* Kütz.
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

Blidingia minima (Nägeli ex Kütz.) Kylin

Synonym: *Enteromorpha minima* (Nägeli ex Kütz.) Kylin
Distribution: Madeira: Neto et al. 2001; Canary Islands: Haroun et al. 2002; North Sénégal: Harper & Garbary 1997.

Boodlea composita (Harv.) F. Brand

Distribution: Cape Verde Islands: unpublished; Gambia: Lawson & John 1977; Ghana: Lawson & Price 1969; Cameroun: John et al. 2003; Bioko: John et al. 2003; Angola: Lawson et al. 1975.

Boodlea struveoides M. Howe

Distribution: Canary Islands: Haroun et al. 2002.

Boodleopsis pusilla (Collins) W.R. Taylor, Joly & Bernat.

Synonyms: *Dichotomosiphon tuberosus* G.W. Lawson; *Dichotomosiphon pusillus* Collins
Distribution: Cape Verde Islands: Otero-Schmitt & Sanjuan 1992; Sierra Leone: John et al. 2003; Ghana: John et al. 2003; Bioko: John et al. 2003.

We have not incorporated data on Morocco or on the Republic South Africa, because it is not always possible, especially in the older literature, to be certain on which coast (Atlantic, Mediterranean or Indian Ocean) the algae had been found. The new checklists of Moroccan seaweeds (Benhissoune et al. 2001, 2002a, b, 2003) and the seaweed Flora of South African West Coast (Stegenga et al. 1997) present data on the Atlantic coasts of these countries. Other checklists of relevance are those covering the northern part of the Atlantic Ocean (South & Tittley 1986), Europe (Guiry 2001) and the tropical and subtropical western Atlantic (Wynne 1998).

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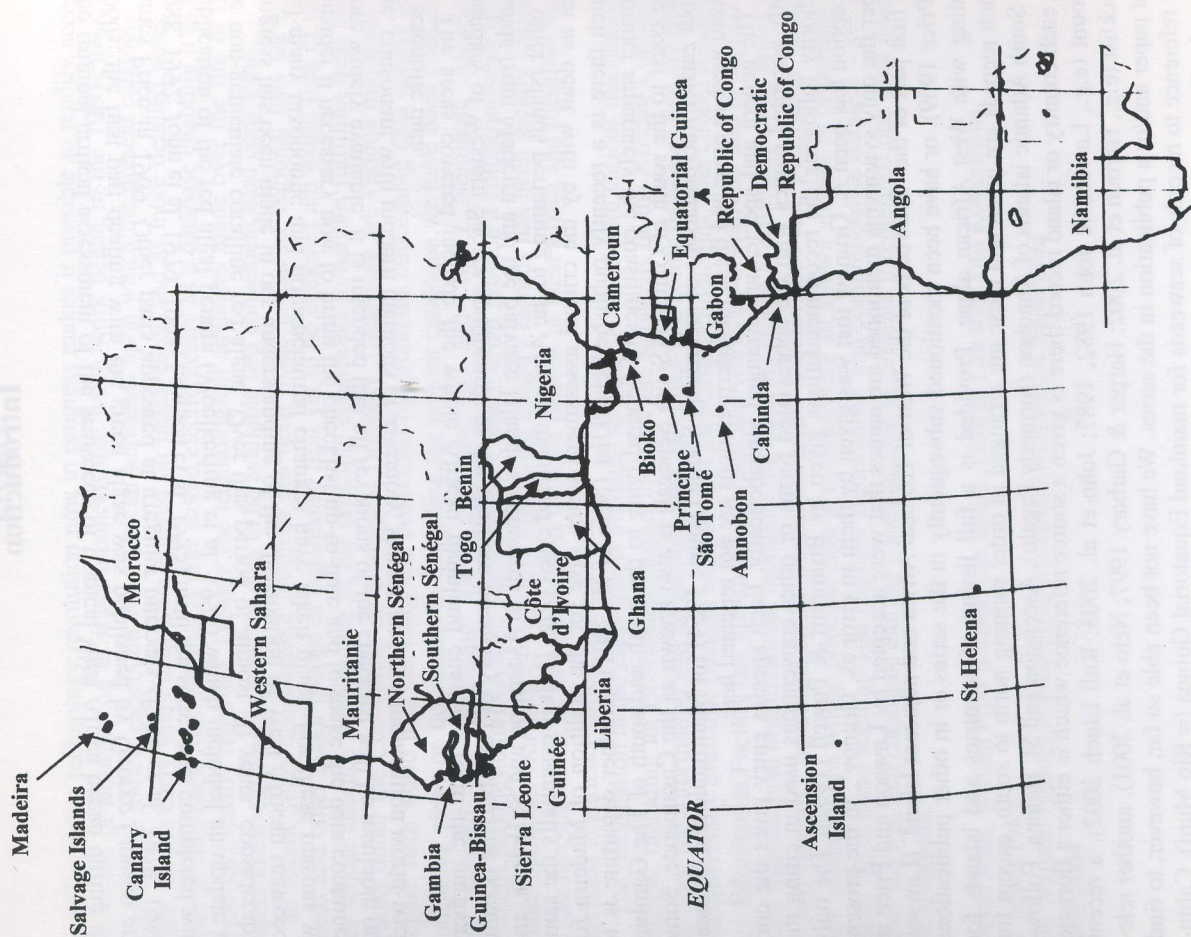


Fig. 1. The coastal region of West African and the offshore islands. The Cape Verde Islands are not shown and these lie to the west of northern Senegal and the southernmost part of Mauritania. Many West African countries and some islands have undergone name changes (e.g., Bioko = Fernando Póo; Annobón = Pagalu; Namibia = South West Africa) and here we have adopted the currently accepted name. Equatorial Guinea includes the island of Bioko and a small enclave on the mainland (formerly Spanish Guinea/Rio Muni). Loango was formerly a coastal region of West Africa that probably covered present day Cabinda, the Democratic Republic of the Congo (= Zaïre) and the Republic of Congo; all early records from 'Loango' have been attributed to the Republic of Congo since it has the only extensive area of rocky coastline.