

CHECKLIST OF MARINE BENTHIC ALGAE OF JAPAN

Masahiro Suzuki and Taiju Kitayama



National Museum of Nature and Science, Tokyo

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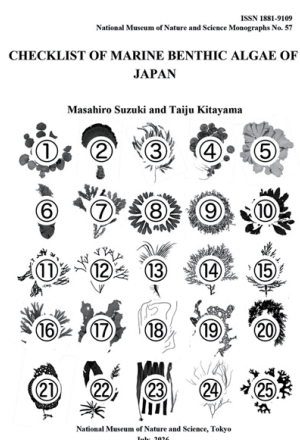
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Cover picture: Examples of marine benthic algae of Japan.

Chlorophyta: ① *Halimeda discoidea*, ② *Ventalia orientalis*, ③ *Lychaete japonica*, ④ *Acetabularia ryukyuensis*, ⑤ *Ulva australis*.

Rhodophyta: ⑥ *Pyropia yezoensis*, ⑦ *Alatocladia yessoensis*, ⑧ *Scinaia latifrons*, ⑨ *Yamadaella caenomyce*, ⑩ *Congregatocarpus kurilensis*, ⑪ *Gelidium yoshidae*, ⑫ *Chondrus elatus*, ⑬ *Grateloupia acuminata*, ⑭ *Plocamium luculentum*, ⑮ *Coelarthrum opuntia*.

Heterokontophyta: ⑯ *Dictyopteris pacifica*, ⑰ *Desmarestia dudresnayi* subsp. *tabacoides*, ⑱ *Papenfussiella kuromo*, ⑲ *Hydroclathrus clathratus*, ⑳ *Sargassum fulvellum*, ㉑ *Agarum clathratum*, ㉒ *Alaria crassifolia*, ㉓ *Saccharina angustata*, ㉔ *Mutimo cylindricus*, ㉕ *Ishige foliacea*

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Preface

The marine benthic algae, or seaweeds (*kaisō*), are macroscopic photosynthetic organisms that live in the ocean. They have remarkable phylogenetic diversity, including green and red algae (Archaeplastida) and brown algae (Heterokontophyta). Understanding the macroscopic marine benthic algal flora and sharing a current list of Japanese seaweeds complete with scientific names based on recent taxonomic treatments is important for Japan, which is surrounded by the sea.

Okamura (1902) compiled the first checklist of the marine benthic algae in Japan. His checklist was revised in 1916 (Okamura, 1916) and completed as the culmination of his work (Okamura, 1936). Yoshida *et al.* (1985a, b) compiled a checklist for the first time in approximately 50 years since Dr. Okamura's final work. Their checklist was revised every five years until 2015 (Yoshida *et al.*, 2015). In the past 11 years, numerous publications in Japan and abroad have added significantly to the literature with new species, new records, and taxonomic and nomenclatural changes. Therefore, a revision of the checklist would provide a more up-to-date account of marine benthic algae in Japan.

In this study, we have compiled a revised checklist of marine benthic algae in Japan, including 1,617 species, 6 subspecies, 29 varieties, 75 forms, and 1 subform. Among them, one species is Charophyta (stoneworts); 278 species, 9 varieties, and 13 forms are Chlorophyta (green algae); one species is Prasinodermatophyta (green algae); 964 species, 1 subspecies, 11 varieties, 47 forms, and 1 subform are Rhodophyta (red algae); and 372 species, 5 subspecies, 9 varieties, and 15 forms are Heterokontophyta (brown algae and yellow-green algae).

This checklist also compiles *taxa inquirenda* and excluded taxa. Among them, 109 species, 4 varieties, and 15 forms are *taxa inquirenda*; and 181 species, 31 varieties, and 39 forms are excluded taxa. Although these are not counted as valid species recorded from Japan, their documentation is indispensable to avoid taxonomic and identification confusion in Japan.

Furthermore, new names and new combinations are proposed herein for several taxa that previously lacked valid taxonomic combinations under their respective genera or species. Among them, one species is proposed as a new name, and three species, 5 varieties, and 28 forms are proposed as new combinations.

Acknowledgments

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Masahiro Suzuki (鈴木雅大), Taiju Kitayama (北山太樹)

Format

Coverage of taxa

This checklist covers the Japanese archipelago, encompassing subarctic to subtropical marine environments, and compiles the green, red, and brown marine benthic algae recorded from Japan. Species distributed in marine, brackish, or freshwater environments (e.g., *Ulva kanagawae*, *Caloglossa ogasawaraensis*) are also included. Unicellular organisms that form macroscopic colonies, such as cyanobacteria and diatoms, were excluded from the list.

Sequence of Taxa

Above the level of class, the sequence of taxa is as follows: green algae (Charophyta, Chlorophyta, and Prasinodermatophyta), red algae (Rhodophyta), and brown algae (Heterokontophyta). Above the level of class in Rhodophyta, the sequence of subphylum is as follows: Proteorhodophytina and Eurhodophytina. At the level of class and below, all taxa are listed alphabetically: subclasses within classes, orders within classes or subclasses, families within orders, subfamilies within families, tribes within families or subfamilies, genera within families, subfamilies, or tribes, subgenera within genera, and species within genera or subgenera. The sequence of infraspecific taxa is as follows: subspecies, variety, form, and subform.

Author names

In principle, the formatting and usage of initials for taxon authors complied with the International Plant Names Index (IPNI 2026). However, to reflect standard phycological practice (e.g., AlgaeBase; Yoshida *et al.*, 2015), all author names were retained in their full, unabbreviated forms. For authors not listed in the IPNI, initials have been added in accordance with established taxonomic conventions.

Synonyms and misapplied names

Synonyms and misapplied names cited in the literature for Japanese taxa are listed for each accepted name. For each taxon, homotypic synonyms (including replaced names) marked with (≡) are listed first in chronological order. These are followed by heterotypic synonyms marked with (=), also arranged chronologically. If a heterotypic synonym has subsequent homotypic combinations (later combinations based on the same type), those names are nested directly beneath the respective heterotypic baseline name in chronological order. Lastly, misapplied names are listed according to the chronology of their misapplication in the Japanese literature. Optionally, invalidly published names (nom. inval.; nom. nud.) are listed.

Taxonomic notes

A note is appended to each taxon that had taxonomic or nomenclatural changes after Yoshida *et al.* (2015). All scientific names in the list were thoroughly checked using AlgaeBase (Guiry & Guiry, 2026). Furthermore, we in principle cited the literature that served as the primary source for AlgaeBase.

Abbreviations

- auct. non**, *auctorum non*, not of the authors (used for misapplied names)
- comb. nov.**, *combinatio nova*, new combination
- nom. cons.**, *nomen conservandum*, conserved name
- nom. illeg.**, *nomen illegitimum*, illegitimate name
- nom. inval.**, *nomen invalidum*, invalidly published name
- nom. nov.**, *nomen novum*, new name, i.e. a replacement name
- nom. nud.**, *nomen nudum*, naked name (name without a validating description or diagnosis)
- nom. rej.**, *nomen rejiciendum*, rejected name
- orth. cons.**, *orthographia conservanda*, orthography to be conserved
- p.p.**, *pro parte*, in part (used when a taxon is applied to only a portion of the original material)
- typ. cons.**, *typus conservandus*, conserved type

Phylum Charophyta Migula, 1889 車軸藻植物門**Class Charophyceae** Rabenhorst, 1863 車軸藻綱**Order Charales** Dumortier, 1829 シャジクモ目**Family Characeae** Gray, 1821 シャジクモ科**Genus *Lamprothamnium*** J.Groves, 1916 シラタマモ属***Lamprothamnium succinctum*** (A.Braun) R.D.Wood シ
ラタマモ

Phylum Chlorophyta Reichenbach, 1830 緑藻植物門 (旧称: 緑色植物門)

Class Trebouxiophyceae Friedl, 1995 トレボ
ウクシア藻綱

Order Prasiolales J.H.Schaffner, 1922 カワノリ目

Family Prasiolaceae F.F.Blackman & Tansley, 1902
カワノリ科

Genus Prasiola Meneghini, 1838 nom. cons. カワノリ
属

Prasiola calophylla (Carmichael ex Greville) Kützing

Note: Sutherland *et al.* (2016) recorded this species as a
new record for Japan.

Prasiola delicata Setchell & N.L.Gardner ヒメイソカ
ワノリ

Prasiola cf. meridionalis Setchell & N.L.Gardner

Note: Sutherland *et al.* (2016) recorded *Prasiola*
meridionalis as a new record for Japan. They identified it as
‘*P. cf. meridionalis*’ because it was nested within the *P.*
stipitata / *meridionalis* complex clade in their phylogenetic
analyses.

Class Ulvophyceae Mattox & K.D.Stewart *in*

Irvine & John (1984) アオサ藻綱

Note: The classification of orders within the Ulvophyceae
is based on Ichihara (2019).

Order Bryopsidales J.H.Schaffner, 1922 ハネモ目

[= Caulerpales Feldmann, 1946 イワツタ目]

[= Codiales Feldmann, 1954 ミル目]

[= Derbesiales Feldmann, 1954 ツユノイト目]

Note: The classification of suborders and families within
the Bryopsidales is based on Verbruggen *et al.* (2017) and
Cremen *et al.* (2019).

Suborder Bryopsidineae Hillis-Colvinaux *ex*

Verbruggen & Guiry *in* Verbruggen *et al.* (2017) ハネモ
亜目

Family Bryopsidaceae Bory, 1829 ハネモ科

Genus Bryopsis J.V.Lamouroux, 1809 ハネモ属

Bryopsis corticulans Setchell ネザシハネモ

[= *Bryopsis plumosa* f. *corticulans* (Setchell) Yendo]

Bryopsis corymbosa J.Agardh フサハネモ

Bryopsis hypnoides J.V.Lamouroux オバナハネモ

Bryopsis indica A.Gepp & E.Gepp インドハネモ

Bryopsis maxima Okamura *ex* Segawa オオハネモ

Bryopsis muscosa J.V.Lamouroux ナガホノハネモ

Bryopsis pennata var. *secunda* (Harvey) Collins &

Hervey カタハノハネモ

[= *Bryopsis harveyana* J.Agardh カタハノハネモ]

Bryopsis plumosa (Hudson) C.Agardh ハネモ

Bryopsis ryukyuensis Yamada ワタハネモ

Bryopsis sinicola Kobara & Chihara nom. nud. ウチウ
ミハネモ

Note: Although this name has never been validly published,
it has been recognized and accepted by Yoshizaki (1998b)
and Chihara (2002).

Bryopsis triploramosa Kobara & Chihara ナンカイハ
ネモ

Family Codiaceae Kützing, 1843 ミル科

Genus Codium Stackhouse, 1799 ミル属

[= *Acanthocodium* Suringar, 1867]

Codium arabicum Kützing ナンバンハイミル

[*Codium adhaerens* auct. non C.Agardh: Okamura (1902)
p.p. ハイミル (p.p.)]

Codium arenicola Chacana & P.C.Silva オトヒメミル

Note: Kitayama (2021) recorded this species as a new
record for Japan.

Codium barbatum Okamura ヒゲミル

[*Codium tenue* auct. non (Kützing) Kützing: Heydrich
(1894) イトミル]

Codium capitulatum P.C.Silva & Womersley クビレハ
イミル

[*Codium adhaerens* auct. non C.Agardh: Okamura (1902)

p.p. ハイミル (p.p.)]

Codium coactum Okamura ネザシミル

[= *Codium coarctatum* Okamura ネザシミル]

Codium contractum Kjellman サキプトミル

Codium cylindricum Holmes ナガミル

[= *Codium divaricatum* var. *inflectum* S.Narita]

[*Codium divaricatum* auct. non Holmes: Yendo (1911) ナガミル]

Codium dimorphum Svedelius オオハイミル

[*Codium adhaerens* auct. non C.Agardh: Okamura (1902)

p.p. ハイミル (p.p.)]

Codium fragile (Suringar) Hariot ミル

[= *Acanthocodium fragile* Suringar]

[*Codium mucronatum* f. *californicum* auct. non J.Agardh: Okamura (1902) ミル]

[*Codium mucronatum* auct. non J.Agardh: Yendo (1911) ミル]

Codium hubbsii E.Y.Dawson ハイミルモドキ

[*Codium adhaerens* auct. non C.Agardh: Okamura (1902)

p.p. ハイミル (p.p.)]

Codium intricatum Okamura モツレミル

Codium latum Suringar ヒラミル

[*Codium lindenberghii* auct. non Binder ex Kützinger: Hariot (1891) ヒラミル]

Codium lucasii Setchell ハイミル

[*Codium adhaerens* auct. non C.Agardh: Okamura (1902)

p.p. ハイミル]

Codium mamillosum Harvey タマゴミル (改称 ; 旧称 : チクビミル)

Note: Kitayama (2017) recorded this species as a new record for Japan.

Codium minus (O.C.Schmidt) P.C.Silva タマミル

[= *Codium mamillosum* var. *minus* O.C.Schmidt]

[*Codium mamillosum* auct. non Harvey: Okamura (1899) タマミル]

Codium minutissimum Noda ヒナミル

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Codium ovale Zanardini エツキタマミル

Codium repens P.Crouan & H.Crouan ヤセガタモツレミル

Codium saccatum Okamura フクロミル

Codium spongiosum Harvey コブシミル

[= *Codium pugniforme* Okamura コブシミル]

Codium subtubulosum Okamura クロミル (別称 : ウツロミル)

[= *Codium divaricatum* Holmes nom. illeg. クロミル]

[*Codium elongatum* auct. non (Turner) C.Agardh: Suringar (1870) ナガミル]

Codium subtubulosum f. hybridum (Okamura)

Mas.Suzuki & Kitayama

[= *Codium divaricatum* f. *hybridum* Okamura]

Note: Silva *et al.* (1997) demonstrated that *Codium subtubulosum* is the correct name for the Japanese specimens formerly referred to as *C. divaricatum*.

Accordingly, the transfer of *C. divaricatum* f. *hybridum* to *C. subtubulosum* was proposed (p. 141).

Codium tenuifolium S.Shimada, Tadano & Ji.Tanaka ウスバミル

Codium yezoense (Tokida) K.L.Vinogradova エゾミル

[= *Codium dichotomum* subvar. *yezoense* Tokida]

[*Codium tomentosum* auct. non Stackhouse: Okamura (1930) イモセミル]

[*Codium dichotomum* auct. non Gray: Yoshida *et al.* (1985) イモセミル]

Family Derbesiaceae Hauck, 1884 ツユノイト科

Genus Derbesia Solier, 1846 ツユノイト属

[= *Halicystis* Areschoug, 1850]

Derbesia marina (Lyngbye) Solier ホソツユノイト

[= *Halicystis ovalis* (Lyngbye) Areschoug ウミノタマ]

Derbesia minima Weber-van Bosse ミルツユノイト

Derbesia rhizophora Yamada ネダシツユノイト

Derbesia tenuissima (Moris & De Notaris) P.Crouan & H.Crouan ツユノイトケバ

Genus Pedobesia MacRaid & Womersley, 1974 アシツキイトゲ属

Pedobesia ryukyuensis (Yamada & Tak.Tanaka) Kobara & Chihara アシツキヒメイトゲ

[= *Derbesia ryukyuensis* Yamada & Tak.Tanaka ヒメツユノイト]

Pedobesia simplex (Meneghini ex Kützinger) M.J.Wynne & Leliaert アシツキフトイトゲ

[= *Pedobesia lamourouxii* (J.Agardh) Feldmann, Loreau, Codomier & Couté]

[= *Derbesia lamourouxii* (J.Agardh) Solier ツユノイト]

Family Pseudobryopsidaceae Cremen, Leliaert,

J.A.West, D.W.Lam & Verbruggen in Cremen *et al.*

(2019) ニセハネモ科 (新称)

Note: Cremen *et al.* (2019) transferred *Pseudobryopsis* from Bryopsidaceae to Pseudobryopsidaceae.

Genus *Pseudobryopsis* Berthold in Oltmanns (1904) ニセハネモ属

Pseudobryopsis hainanensis C.K.Tseng ハネモモドキ

[= *Trichosolen hainanensis* (C.K.Tseng) W.R.Taylor]

[*Bryopsis myura* auct. non J.Agardh: Yendo (1915)]

[*Pseudobryopsis myura* auct. non (J.Agardh) Berthold: Okamura (1936) ニセハネモ]

Suborder Halimedineae Hillis-Colvinaux ex

Verbruggen & Guiry in Verbruggen *et al.* (2017) サボテングサ亜目

Family Caulerpaceae Kützinger, 1843 イワヅタ科

Genus *Caulerpa* J.V.Lamouroux, 1809 イワヅタ属

Note: The classification of subgenera and sections within the genus *Caulerpa* is based on Draisma *et al.* (2014).

Subgenus *Caulerpa* イワヅタ亜属

Section *Caulerpa* イワヅタ節

Caulerpa brachypus Harvey ヘライワヅタ

[= *Caulerpa anceps* Harvey ex J.Agardh ヘライワヅタ]

Caulerpa chemnitzia (Esper) J.V.Lamouroux エツキヅタ

[= *Caulerpa racemosa* var. *chemnitzia* (Esper) Weber-van Bosse]

[= *Caulerpa racemosa* var. *occidentalis* (J.Agardh)

Børgesen エツキヅタ]

Caulerpa chemnitzia* var. *laetevirens (Montagne)

C.Fernández-García & Riosmena-Rodriguez スリコギヅタ

[= *Caulerpa racemosa* var. *laetevirens* (Montagne) Weber-van Bosse]

Note: Although Belton *et al.* (2013) synonymized *Caulerpa racemosa* var. *laetevirens* with *C. chemnitzia*, Norris *et al.* (2017) reinstated it as a distinct variety of *C. chemnitzia*.

Caulerpa chemnitzia* var. *peltata (J.V.Lamouroux)

Zanardini タカツキヅタ

[= *Caulerpa peltata* J.V.Lamouroux]

[= *Caulerpa racemosa* var. *peltata* (J.V.Lamouroux) Eubank]

Note: Although Belton *et al.* (2013) synonymized *Caulerpa racemosa* var. *peltata* with *C. chemnitzia*, Norris *et al.* (2017) reinstated it as a distinct variety of *C. chemnitzia*.

Caulerpa cupressoides (M.Vahl) C.Agardh イトスギヅタ (新称)

Caulerpa cupressoides* var. *elegans (P.Crouan &

H.Crouan) Børgesen ウツクシヅタ

[= *Caulerpa cupressoides* f. *elegans* (P.Crouan & H.Crouan) Weber-van Bosse]

Note: Although historically treated as a form of *Caulerpa cupressoides* in Japan (Yoshida *et al.*, 2015), Belton *et al.* (2015) reinstated it as a distinct variety.

Caulerpa cupressoides* f. *amicorum (Harvey) Weber-van Bosse ビャクシンヅタ

[= *Caulerpa amicum* Harvey]

Caulerpa cupressoides* f. *disticha Weber-van Bosse

[*Caulerpa freycinetii* var. *pectinata* auct. non Weber-van Bosse: Okamura (1923)]

Caulerpa denticulata Decaisne クロキヅタ (別称: アマミノクロキヅタ)

[= *Caulerpa scalpelliformis* var. *denticulata* (Decaisne) Weber-van Bosse クロキヅタ]

[= *Caulerpa scalpelliformis* f. *denticulata* (Weber-van Bosse) Svedelius アマミノクロキヅタ]

[*Caulerpa scalpelliformis* auct. non (R.Brown ex Turner) C.Agardh: Yoshida (1998) クロキヅタ]

Note: Historically, this species was treated as a variety of *Caulerpa scalpelliformis* in Japan (Yoshida *et al.*, 2015);

however, Draisma *et al.* (2014) reinstated it as a species rank. Furthermore, Hanyuda & Ishida (2025) indicated that the Japanese records of *C. scalpelliformis* represent *C. denticulata*.

Caulerpa fastigiata Montagne ケイワヅタ

Caulerpa minuta Hau コバイワヅタ

Note: Suzuki *et al.* (2026) recorded this species as a new record for Japan.

Caulerpa nummularia Harvey ex J.Agardh スズカケヅタ

[= *Caulerpa peltata* var. *nummularia* (Harvey ex J.Agardh) Weber-van Bosse]

Caulerpa oligophylla Montagne ヒラエヅタ

[*Caulerpa racemosa* var. *lamourouxii* auct. non (Turner) Weber-van Bosse: Okamura (1931) ヒラエヅタ]

Caulerpa parvifolia Harvey ヒナイワヅタ

[= *Caulerpa brachypus* f. *parvifolia* (Harvey) Cribb]

Note: Formerly, this species treated as a form of *Caulerpa brachypus* in Japan (Yoshida *et al.*, 2015); however, Belton *et al.* (2015) reinstated it as a species rank.

Caulerpa racemosa* var. *macrophyssa (Sonder ex

Kützinger) W.R.Taylor センナリヅタ

[= *Caulerpa racemosa* f. *macrophyssa* (Sonder ex Kützinger) Weber-van Bosse]

[*Caulerpa racemosa* var. *clavifera* auct. non (Turner) Weber-van Bosse: Okamura (1902) センナリヅタ]

Note: Although Fernández-García *et al.* (2016) did not recognize its varietal status, Norris *et al.* (2017) and Ballantine *et al.* (2023) supported its reinstatement as a distinct variety.

Caulerpa racemosa* var. *uvifera (C.Agardh) J.Agardh

コハギヅタ

Note: Although Belton *et al.* (2013) and Fernández-García *et al.* (2016) did not recognize its varietal status, Norris *et al.* (2017) and Ballantine *et al.* (2023) supported its reinstatement as a distinct variety.

Caulerpa racemosa* f. *reducta Børgesen

Caulerpa serrulata* f. *lata (Weber-van Bosse) C.K.Tseng ヨレヅタ

[= *Caulerpa freycinetii* f. *lata* Weber-van Bosse]

[*Caulerpa freycinetii* auct. non C.Agardh: Okamura (1902) ヨレヅタ]

Caulerpa serrulata* f. *occidentalis (Weber-van Bosse)

Yamada & Tak.Tanaka サイハイヅタ

[= *Caulerpa freycinetii* f. *occidentalis* Weber-van Bosse]

Caulerpa sertularioides* f. *longipes (J.Agardh) Collins

タカノハヅタ

[*Caulerpa plumaris* auct. non (Forsskål) C.Agardh:

Okamura (1902) タカノハヅタ]

Caulerpa subserrata Okamura キザミヅタ

Caulerpa taxifolia (M.Vahl) C.Agardh イチイヅタ

Caulerpa webbiana* f. *disticha Weber-van Bosse nom. illeg.

Caulerpa webbiana* f. *elegans Yamada & Tak.Tanaka

Caulerpa webbiana* f. *tomentella (Harvey ex J.Agardh)

Weber-van Bosse コケイワヅタ

[= *Caulerpa tomentella* Harvey ex J.Agardh]

Section Sedoideae J.Agardh ex De Toni, 1889 セドイデス節

Caulerpa fergusonii G.Murray フジノハヅタ

Caulerpa lentillifera J.Agardh クビレヅタ

[= *Caulerpa racemosa* f. *microphyssa* Weber-van Bosse コツブセンナリヅタ]

[= *Caulerpa microphyssa* (Weber-van Bosse) Feldmann]

Note: Draisma *et al.* (2025) synonymized *C. microphyssa* with *C. lentillifera*.

Caulerpa okamurae Weber-van Bosse フサイワヅタ

Caulerpa okamurae* f. *oligophylla Okamura タテヤマイワヅタ

[= *Caulerpa tateyamensis* Yendo タテヤマイワヅタ]

Subgenus *Caulerpella* (Prud'homme & Lokhorst)

Draisma, Prud'homme & T.Sauvage in Draisma *et al.* (2014) ヒメイワヅタ亜属

[= *Caulerpella* Prud'homme & Lokhorst, 1992 ヒメイワヅタ属]

Section *Caulerpella* ヒメイワヅタ節 (Prud'homme & Lokhorst) Draisma, Prud'homme & T.Sauvage in Draisma *et al.* (2014)

[= *Caulerpella* Prud'homme & Lokhorst, 1992 ヒメイワヅタ属]

Caulerpa ambigua Okamura ヒメイワヅタ

[= *Bryopsis ambigua* (Okamura) Okamura ヒメハネモ]
 [= *Caulerpella ambigua* (Okamura) Prud'homme &
 Lokhorst]

Subgenus *Charoideae* (J.Agardh ex De Toni) Draisma,
 Prud'homme, T.Sauvage & Belton *in* Draisma *et al.*
 (2014) カロイデス亜属

Section *Charoideae* J.Agardh ex De Toni, 1889 カロイ
 デス節

Caulerpa andamanensis (W.R.Taylor) Draisma,
 Prud'homme & T.Sauvage トゲシダヅタ

Note: Suzuki *et al.* (2026) recorded this species as a new
 record for Japan.

Caulerpa filicoides Yamada ヒメシダヅタ

[= *Caulerpa verticillata* f. *acuta* Yamada]

[≡ *Caulerpa acuta* (Yamada) Yamada]

Caulerpa verticillata J.Agardh ウチワヅタ

[*Caulerpa verticillata* f. *charoides* auct. non Harvey ex
 Weber-van Bosse: Yoshida *et al.* (1985) ウチワヅタ]

Family *Dichotomosiphonaceae* G.M.Smith, 1950
 チョウチンミドロ科

Genus *Avrainvillea* Decaisne, 1842 ハウチワ属

Avrainvillea amadelpha (Montagne) A.Gepp & E.Gepp
 クサビガタハウチワ

[*Avrainvillea lacerata* var. *robustior* auct. non A.Gepp &
 E.Gepp: Okamura (1936) クサビガタハウチワ]

Avrainvillea erecta (Berkeley) A.Gepp & E.Gepp コテ
 ングノハウチワ

Avrainvillea lacerata J.Agardh

Note: Lagourgue *et al.* (2023) re-identified the *Avrainvillea*
 sp. recorded from Okinawa Prefecture, Japan (Wade *et al.*,
 2018) as *A. lacerata*.

Avrainvillea nigricans Decaisne クロハウチワ

Avrainvillea obscura (C.Agardh) J.Agardh マルバハウ
 チワ

[= *Avrainvillea capituliformis* Tak.Tanaka ウミキノコ]

Avrainvillea riukiensis Yamada テングノハウチワ

Family *Halimedaceae* Link, 1832 サボテングサ科

[= *Udoteaceae* J.Agardh, 1887 ハゴロモ科

[= *Pseudocodiaceae* Hillis-Colvinaux, 1984 ミルモドキ
 科]

[*Rhipiliaceae* Dragastan, U.Richter, Kube, M.E.Popa, Sarbu
 & Ciugulea, 1997 nom. inval. ニセハウチワ科]

Note: The classification of tribes within the Halimedaceae
 is based on Cremen *et al.* (2019).

Tribe *Halimedeae* Konishi, 1961 サボテングサ連

Genus *Halimeda* J.V.Lamouroux, 1812 nom. et orth.
 cons. サボテングサ属

Halimeda borneensis W.R.Taylor フササボテングサ

[*Halimeda incrassata* f. *lamourouxii* auct. non (J.Agardh)
 Barton: Okamura (1915) ラモローサボテングサ]

[*Halimeda simulans* auct. non M.Howe: Tsuda & Kamura
 (1991) フササボテングサ]

Halimeda discoidea Decaisne ウチワサボテングサ

[*Halimeda cuneata* auct. non K.Hering: Okamura (1915)
 ウチワサボテングサ]

Halimeda distorta (Yamada) Hillis-Colvinaux ソリハ
 サボテングサ

[≡ *Halimeda incrassata* f. *distorta* Yamada]

Halimeda fragilis W.R.Taylor モロサボテングサ

Halimeda kanaloana Vroom ミツデサボテングサ

[*Halimeda tridens* auct. non (J.Ellis & Solander)
 J.V.Lamouroux: Okamura (1902) ミツデサボテングサ
 [*Halimeda incrassata* auct. non (J.Ellis) J.V.Lamouroux:
 Okamura (1915) ミツデサボテングサ]

Halimeda macroloba Decaisne ヒロハサボテングサ

Halimeda micronesica Yamada コバノサボテングサ

Halimeda minima (W.R.Taylor) Hillis-Colvinaux ジュ
 ズサボテングサ

Halimeda opuntia (Linnaeus) J.V.Lamouroux サボテン
 グサ

[= *Halimeda opuntia* f. *cordata* (J.Agardh) E.S.Barton サ
 ボテングサ]

Halimeda renschii Hauck ヒメサボテングサ

[≡ *Halimeda opuntia* f. *renschii* (Hauck) E.S.Barton]

[*Halimeda gracilis* auct. non Harvey ex J.Agardh:
 Okamura (1902) ヒメサボテングサ]

Halimeda ryukyuensis R.Kojima, Hanyuda & H.Kawai

リュウキュウサボテングサ

Halimeda taiwanensis Phetcharat, Pattarach, Pi.C.Chen, W.L.Wang, Sh.L.Liu & Mayakun ツナサボテングサ

[*Halimeda tuna* auct. non (J.Ellis & Solander)

J.V.Lamouroux: Okamura (1932) ツナサボテングサ]

[*Halimeda cuneata* auct. non K.Hering: Kojima *et al.*

(2015) ツナサボテングサ]

Note: Historically, this species was identified as

Halimeda cuneata in Japan (Yoshida *et al.*, 2015);

however, Phetcharat *et al.* (2023) demonstrated that

Japanese records of *H. cuneata* represent *H. taiwanensis*.

Halimeda velasquezii W.R.Taylor ヒラサボテングサ

[= *Halimeda opuntia* f. *intermedia* Yamada ヒラサボテングサ]

Tribe Pseudocodieae Cremen, Leliaert, J.A.West,

D.W.Lam & Verbruggen in Cremen *et al.* (2019) ミルモドキ連 (新称)

Genus *Pseudocodium* Weber-van Bosse, 1896 ミルモ

ドキ属

Pseudocodium okinawense E.J.Faye, M.Uchimura &

S.Shimada オキナワミルモドキ

Tribe Rhipiliae Hillis-Colvinaux, 1984 ニセハウチワ連

Genus *Boodleopsis* A.Gepp & E.Gepp, 1911 モツレチ

ョウチン属

Boodleopsis pusilla (Collins) W.R.Taylor, A.B.Joly &

Bernatowicz モツレチョウチン

Genus *Kraftalia* Lagourgue & Payri, 2021 ヒメイトウ

ウモドキ属 (新称)

Kraftalia crassa (A.Millar & Kraft) Lagourgue & Payri

[= *Rhipilia crassa* A.Millar & Kraft]

Note: Lagourgue & Payri (2021) re-identified the *Ripilia* sp. recorded via metabarcoding of environmental DNA

(Sauvage *et al.*, 2016) from Okinawa Prefecture, Japan as

Kraftalia crassa.

Kraftalia yaeyamensis (Tak.Tanaka) Lagourgue & Payri

ヒメイトウウモドキ

[= *Geppella yaeyamensis* Tak.Tanaka]

[= *Rhipiliopsis yaeyamensis* (Tak.Tanaka) Kraft]

Note: Lagourgue & Payri (2021) transferred *Rhipiliopsis yaeyamense* to *Kraftalia*.

Genus *Pseudochlorodesmis* Børgesen, 1925 ニセマユハキ属

Pseudochlorodesmis furcellata (Zanardini) Børgesen ニセマユハキ

Genus *Rhipilia* Kützinger, 1858 ニセハウチワ属

Rhipilia amamiensis Enomoto nom. nud. ナンカイニセハウチワ

Note: Although this name has never been validly published, it has been recognized and accepted by Yoshida (1998).

***Rhipilia* sp.** ニセハウチワ

[*Rhipilia orientalis* auct. non A.Gepp & E.Gepp: Itono (1986) ニセハウチワ]

Note: Historically, this species was identified as *Rhipilia orientalis* in Japan (Yoshida *et al.*, 2015). Although

Lagourgue & Payri (2021) transferred *R. orientalis* to

Kraftalia, they noted that the Japanese specimens

previously assigned to *R. orientalis* lack the diagnostic characteristics of *Kraftalia* and resemble *R. diaphana*.

Therefore, it is tentatively treated as '*Rhipilia* sp.' in the present checklist.

Tribe Rhipiliopsidae Cremen, Leliaert, J.A.West, Lam

& Verbruggen in Cremen *et al.* (2019) ニセヒメイトウ連 (新称)

Genus *Rhipiliopsis* A.Gepp & E.Gepp, 1911 ニセヒメ

イトウ属 (新称)

Rhipiliopsis echinocaulos (Cribb) Farghaly ニセヒメイトウ

[= *Geppella japonica* Tak.Tanaka & Itono ニセヒメイトウ]

Tribe Udoteae Konishi, 1961 ハゴロモ連

Genus *Chlorodesmis* Harvey & J.W.Bailey, 1851 マユハキ属

Chlorodesmis fastigiata (C.Agardh) Ducker マユハキモ
[= *Chlorodesmis comosa* Harvey & J.W.Bailey マユハキモ]

[= *Avrainvillea comosa* (Harvey & Bailey) G.Murray & Boodle]

Chlorodesmis haterumana Tak.Tanaka & Itono ヒナマユハキモ

Genus *Glaukea* Lagourgue & Payri, 2020 ‘2022’ オオハゴロモ属 (新称)

Glaukea argentea (Zanardini) Lagourgue & Payri オオハゴロモ
[= *Udotea argentea* Zanardini]

Note: Lagourgue *et al.* (2025) transferred *Udotea argentea* to *Glaukea*.

Genus *Rhipidodesmis* A.Gepp & E.Gepp, 1911 イトゲノマユハキモ属 (新称)

Rhipidodesmis caespitosa (J.Agardh) A.Gepp & E.Gepp イトゲノマユハキ
[= *Chlorodesmis caespitosa* J.Agardh]

[= *Chlorodesmis formosana* Yamada イトゲノマユハキ]
Note: Lagourgue & Payri (2020) resurrected *Rhipidodesmis* and reassigned *Chlorodesmis caespitosa* to this genus.

Genus *Rhipidosiphon* Montagne, 1842 ヒメイチョウ属
Note: Although Cremen *et al.* (2019) did not include *Rhipidosiphon* in their phylogenetic analyses or clarify the taxonomic position of the genus within the Halimedaceae, it appears to belong to the Udoteaceae, as it is closely related to *Chlorodesmis* in the analyses conducted by Coppejans *et al.* (2011).

Rhipidosiphon glaucescens (Harvey ex J.Agardh) Lagourgue & Payri チヂミヒメイチョウ
[= *Udotea glaucescens* Harvey ex J.Agardh]

Note: Lagourgue *et al.* (2025) transferred *Udotea glaucescens* to *Rhipidosiphon*.

Rhipidosiphon javensis Montagne ヒメイチョウ
[= *Udotea javensis* (Montagne) A.Gepp & E.Gepp]
Rhipidosiphon lewmanomontiae Coppejans, Leliaert,

Verbruggen, Prathep & De Clerck オオイチョウ (寺田, 新称)

Genus *Tydemania* Weber-van Bosse, 1901 スズカケモ属
Tydemania expeditionis Weber-van Bosse スズカケモ
[= *Rudicularia penicillata* Heydrich]
[*Botryophora occidentalis* auct. non (Harvey) J.Agardh: Okamura (1902) スズカケモ]

Genus *Udotea* J.V.Lamouroux, 1812 ウスバハゴロモ属 (改称; 旧称: ハゴロモ属)

Udotea yamadae Tak.Tanaka & Itono ウスバハゴロモ

Genus *Ventalia* Lagourgue & Payri, 2020 ‘2022’ ハゴロモ属

Ventalia orientalis (A.Gepp & E.Gepp) Lagourgue & Payri ハゴロモ
[= *Udotea orientalis* A.Gepp & E.Gepp]

[*Udotea conglutinata* auct. non (J.Ellis & Solander) J.V.Lamouroux: Okamura (1908) ハゴロモ]

Note: Lagourgue *et al.* (2025) transferred *Udotea orientalis* to *Ventalia*.

Suborder *Ostreobineae* Verbruggen & Guiry *in* Verbruggen *et al.* (2017) カイガラミドリイト亜目

Family *Ostreobiaceae* P.C.Silva ex Maggs & J.Brodie *in* Brodie *et al.* (2007) カイガラミドリイト科

Genus *Ostreobium* Bornet & Flahault, 1889 カイガラミドリイト属
Ostreobium quekettii Bornet & Flahault カイガラミドリイト

Order *Cladophorales* Haeckel, 1894 シオグサ目
[= Siphonocladales (F.F.Blackman & Tansley) Oltmanns, 1904 ミドリゲ目]

Family *Anadyomenaceae* Kützinger, 1843 ウキオリソウ科

Genus *Anadyomene* J.V.Lamouroux, 1812 nom. et orth.
cons. ウキオリソウ属

Anadyomene wrightii Harvey ex J.E.Gray ウキオリソウ

Genus *Microdictyon* Decaisne, 1841 アミモヨウ属

Microdictyon japonicum Setchell アミモヨウ

[*Rhipidiphyllon reticulatum* auct. non (Askenasy)

Heydrich: Okamura (1902) アミモヨウ]

Microdictyon nigrescens (Yamada) Setchell クロアミモヨウ

[= *Rhipidiphyllon nigrescens* Yamada]

Microdictyon okamurae Setchell タノモグサ

[*Microdictyon umbilicatum* auct. non (Vellay) Zanardini:

Okamura (1902) タノモグサ]

[*Microdictyon pseudohapteron* auct. non A.Gepp &

E.Gepp: Okamura (1910) タノモグサ]

Microdictyon vanbosseae Setchell シボリアミモヨウ

Famly Boodleaceae Børgesen, 1925 アオモグサ科

Genus *Boodlea* G.Murray & De Toni in Murray (1889)
アオモグサ属

Boodlea coacta (Dickie) G.Murray & De Toni アオモグサ

Boodlea composita (Harvey) F.Brand ハネアオモグサ

[= *Boodlea siamensis* Reinbold ユルアオモグサ]

Genus *Cladophoropsis* Børgesen, 1905 nom. cons. キツネノオ属

Cladophoropsis fasciculata (Kjellman) Wille ヒメミドリゲ

[= *Siphonocladus fasciculatus* Kjellman]

[= *Cladophoropsis sundanensis* Reinbold ヒメミドリゲ]

Cladophoropsis vaucheriiformis (Areschoug) Papenfuss
キツネノオ

[= *Spongocladia vaucheriiformis* Areschoug]

[= *Spongocladia dichotoma* (Zanardini) G.Murray &

Boodle]

Genus *Phyllocladyon* J.E.Gray, 1866 オオアミハ属

Phyllocladyon haterumense (Itono) Kraft & M.J.Wynne

ヒメアミハ

[= *Struvea haterumensis* Itono]

Phyllocladyon orientale (A.Gepp & E.Gepp) Kraft &

M.J.Wynne オオアミハ

[= *Struvea orientalis* A.Gepp & E.Gepp]

Genus *Struvea* Sonder, 1845 nom. cons. アミハ属

Struvea enomotoi Chihara nom. nud. サイノメアミハ

[*Struvea tenuis* auct. non Zanardini: Okamura (1908) アミハ]

[*Struvea delicatula* auct. non Kützinger: Yamada (1934) サイノメアミハ]

[*Struvea anastomosans* auct. non (Harvey) Piccone &

Grunow ex Piccone: Enomoto & Yamane (1994) サイノメアミハ]

Note: Although this name has never been validly published, it has been recognized and accepted by Yoshida (1998) and Okuda *et al.* (2016).

Struvea japonica Okamura & Segawa マルアミハ

[= *Phyllocladyon japonicum* (Okamura & Segawa) Kraft & M.J.Wynne]

Note: Kraft & Wynne (1996) transferred *Struvea japonica* to *Phyllocladyon*; however, Yoshida (1998) rejected its placement in *Phyllocladyon*.

Struvea okamurae Leliaert タンポヤリ

[= *Chamaedoris orientalis* Okamura & M.Higashi タンポヤリ] *Replaced synonym

Family Cladophoraceae Wille in Warming (1884) シオグサ科

Genus *Chaetomorpha* Kützinger, 1845 ジュズモ属

Chaetomorpha aerea (Dillwyn) Kützinger タルガタジュズモ

Note: *Chaetomorpha aerea* is often treated as a heterotypic synonym of *C. linum* (e.g., Leliaert & Boedeker, 2007).

However, Mystikou *et al.* (2016) provisionally retained *C. aerea* pending further molecular confirmation.

Chaetomorpha antennina (Bory) Kützinger エナガジュズモ

[= *Chaetomorpha media* (C.Agardh) Kützinger エナガジュ

ズモ]

Chaetomorpha basiretrorsa Setchell チャボジュズモ

Chaetomorpha brachygona Harvey

Chaetomorpha crassa (C.Agardh) Kützinger ホソジュズモ

Note: Traditionally applied to Japanese populations (Yoshida *et al.*, 2015). Although currently synonymized with *C. linum* or *C. aerea* (e.g., Leliaert & Boedeker, 2007; Sfriso *et al.*, 2018), the identity of the Japanese specimens remains unconfirmed and requires further molecular validation.

Chaetomorpha gracilis Kützinger ワタジュズモ

Chaetomorpha ligustica (Kützinger) Kützinger ナガモツレ]

[= *Rhizoclonium tortuosum* (Dillwyn) Kützinger ナガモツレ]

Chaetomorpha linum (O.F.Müller) Kützinger ウスイロジュズモ

Chaetomorpha melagonium (F.Weber & D.Mohr) Kützinger ハリガネジュズモ

Chaetomorpha moniligera Kjellman タマジュズモ

Chaetomorpha pachynema (Montagne) Kützinger ボウジュズモ

Chaetomorpha spiralis Okamura フトジュズモ

[= *Chaetomorpha torta* (Farlow ex Collins) Yendo]

Chaetomorpha tokyoensis K.Ichihara & K.Miyaji キヌイトジュズモ

Genus *Cladophora* Kützinger, 1843 nom. cons. シオグサ属

Cladophora albida (Nees) Kützinger ワタシオグサ

[*Cladophora rudolphiana* auct. non (C.Agardh) Kützinger: Okamura (1936) p.p. タマリシオグサ (p.p.)]

Cladophora catenata Kützinger カビシオグサ

[= *Cladophora fuliginosa* Kützinger カビシオグサ]

Note: *Cladophora catenata* has been reported in Japan since Hoek (1969) synonymized *C. fuliginosa* with it (Yoshida *et al.*, 2015). However, given that Cormaci *et al.* (2014) considered *C. catenata* a *taxon inquirendum* and Delnatte & Wynne (2016) reinstated *C. fuliginosa* as a distinct species, the identity of Japanese specimens remains unverified and requires molecular validation.

Cladophora coelothrix Kützinger ハイシオグサ

Cladophora dalmatica Kützinger コシオグサ

[= *Cladophora pusilla* Sakai コシオグサ]

Cladophora enomotoi C.Hoek & Chihara ダンツウシオグサ

Cladophora flexuosa (O.F.Müller) Kützinger ミヤビシオグサ

[= *Cladophora speciosa* Sakai ミヤビシオグサ]

[= *Cladophora rudolphiana* f. *brevisegmentea* Sakai アオタマリシオグサ]

[*Cladophora rudolphiana* auct. non (C.Agardh) Kützinger: Okamura (1936) p.p. タマリシオグサ (p.p.)]

Cladophora hutchinsii C.Hoek & Womersley ナヨシオグサ

[*Cladophora gracilis* auct. non Kützinger: Okamura (1936) ナヨシオグサ]

[*Cladophora sericea* auct. non (Hudson) Kützinger: Yoshizaki (1998c) ナヨシオグサ]

Cladophora laetevirens (Dillwyn) Kützinger マガリシオグサ

Cladophora liniformis Kützinger カミノケシオグサ

Cladophora oligoclada Harvey イトゲシオグサ

Cladophora oligocladoidea C.Hoek & Chihara イトゲシオグサモドキ

Cladophora opaca Sakai ツヤナシシオグサ

[= *Cladophora arenaria* Sakai スナシオグサ]

[*Cladophora rupestris* auct. non (Linnaeus) Kützinger: Yendo (1915) イワシオグサ]

[*Cladophora glaucescens* auct. non (A.W.Griffiths ex Harvey) Kützinger: Yendo (1916)]

[*Cladophora rupestris* f. *submarina* auct. non Foslie: Sakai (1964) イワシオグサ]

Cladophora pachyliebethrii C.Hoek & Chihara ジュウタンシオグサ

Cladophora penicillioides C.Hoek & Chihara フデシオグサ

Cladophora rugulosa G.Martens クロシオグサ

[*Cladophora prolifera* auct. non (Roth) Kützinger: Hoek & Chihara (2000) クロシオグサ]

Note: Hoek (1982) synonymized *Cladophora rugulosa* with *C. prolifera*. However, Leliert & Coppejans (2003) reinstated it as a distinct species.

Cladophora sibogae Reinbold ネダシシオグサ

Cladophora socialis Kützinger ヒメハイシオグサ

Cladophora stimpsonii Harvey キヌシオグサ

Cladophora vagabunda (Linnaeus) C.Hoek フサシオグサ

[= *Cladophora fascicularis* (Mertens ex C.Agardh) Kützinger
フサシオグサ]

[= *Cladophora uncinella* Harvey マキシオグサ]

[= *Cladophora zostericola* G.Martens nom. illeg.]

[*Cladophora utriculosa* auct. non Kützinger: Yendo (1914)
ヒメシオグサ]

Cladophora wrightiana Harvey チャシオグサ

Cladophora wrightiana* var. *minor C.Hoek & Chihara
ホソチャシオグサ

Genus *Lychaete* J.Agardh, 1846 オオシオグサ属 (新称)

[= *Acrocladus* Nägeli, 1847]

Note: Boedeker *et al.* (2016) transferred *Cladophora dotyana*, *C. japonica*, *C. herpestica*, *C. minisakii*, *C. ohkuboana*, and *C. sakaii* to *Acrocladus*. Wynne (2017) subsequently synonymized *Acrocladus* with *Lychaete*.

Lychaete bainesii (F.Mueller & Harvey ex Harvey)

M.J.Wynne サキボソシオグサ

Note: Kitayama (2019) recorded it as a new record for Japan.

Lychaete dotyana (W.J.Gilbert) M.J.Wynne ミナミシオグサ

[= *Cladophora dotyana* W.J.Gilbert]

[= *Cladophora meridionalis* Sakai & T.Yoshida ミナミシオグサ]

[= *Cladophora patula* Sakai nom. illeg. ミナミシオグサ]

[*Cladophora pellucida* auct. non (Hudson) Kützinger:
Okamura (1936)]

Lychaete herpestica (Montagne) M.J.Wynne ミドリゲ

[= *Aegagropila herpestica* (Montagne) Kützinger]

[= *Cladophoropsis herpestica* (Montagne) M.Howe カタバミドリゲ]

[= *Cladophoropsis javanica* (Kützinger) P.C.Silva ミドリゲ]

[= *Cladophoropsis zollingeri* (Kützinger) Reinbold nom. illeg. ミドリゲ]

[= *Cladophoropsis coriacea* Yendo]

[= *Cladophoropsis corallinicola* Kajimura サンゴモドリゲ]

[*Siphonocladus fasciculatus* auct. non Kjellman: Okamura (1902) ミドリゲ]

[*Cladophoropsis fasciculata* auct. non (Kjellman) Wille: Okamura (1921)]

Lychaete japonica (Yamada) M.J.Wynne オオシオグサ

[= *Cladophora japonica* Yamada]

[= *Acrocladus japonicus* (Yamada) C.Boedeker]

Lychaete japonica* var. *kajimurae (C.Hoek & Chihara)

M.J.Wynne ホソオオシオグサ

[= *Cladophora japonica* var. *kajimurae* C.Hoek & Chihara]

Lychaete minisakii (C.Hoek & Chihara) M.J.Wynne

コアサミドリシオグサ

[= *Cladophora minisakii* C.Hoek & Chihara]

[= *Acrocladus minisakii* (C.Hoek & Chihara) C.Boedeker]

Lychaete ohkuboana (Holmes) M.J.Wynne カタシオグサ

[= *Cladophora ohkuboana* Holmes]

[= *Acrocladus ohkuboanus* (Holmes) C.Boedeker]

Lychaete sakaii (I.A.Abbott) M.J.Wynne アサミドリシオグサ

[= *Cladophora sakaii* I.A.Abbott]

[= *Acrocladus sakaii* (I.A.Abbott) C.Boedeker]

[= *Cladophora densa* Harvey nom. illeg.] *Replaced synonym

Genus *Mysticladia* J.O.F.Brito, V.Carneiro, Cassano, W.A.Gama & C.W.N.Moura *in* Brito *et al.* (2026) アオキシオグサ属 (新称)

Mysticladia aokii (Yamada) J.O.F.Brito, V.Carneiro,

Cassano, W.A.Gama & C.W.N.Moura アオキシオグサ

[= *Cladophora aokii* Yamada]

[= *Cladophora fastigiata* Harvey nom. illeg.]

[= *Cladophora ryukyuensis* Segi & T.Yoshida チャボシオグサ]

Note: Brito *et al.* (2026) transferred *Cladophora aokii* to *Mysticladia*.

Genus *Pseudorhizoclonium* C.Boedeker, 2016 オキナワネダシグサ属 (新称)

Pseudorhizoclonium africanum (Kützinger) C.Boedeker

オキナワネダシグサ

[= *Rhizoclonium africanum* Kützing]

[= *Rhizoclonium hookeri* Kützing オキナワネダシグサ]

Note: Boedeker *et al.* (2016) transferred *Rhizoclonium africanum* to *Pseudorhizoclonium*.

Pseudorhizoclonium fractum (K.Ichihara & K.Miyaji)

C.Boedeker, Leliaert & A.R.Sherwood

[= *Rhizoclonium fractum* K.Ichihara & K.Miyaji]

Note: Originally described as a new *Rhizoclonium* species by Ichihara *et al.* (2016), based on the type collected from Kesaji, Okinawa Prefecture, Japan; subsequently transferred to *Pseudorhizoclonium* by Sherwood *et al.* (2019a, b).

Pseudorhizoclonium minutissimum (Zeller)

C.Boedeker, Leliaert & A.R.Sherwood

[= *Rhizoclonium minutissimum* (Zeller) P.C.Silva]

Note: Originally recorded as a new record for Japan by Ichihara *et al.* (2016); subsequently transferred to *Pseudorhizoclonium* by Sherwood *et al.* (2019a, b).

Pseudorhizoclonium umbraticum (K.Ichihara &

K.Miyaji) C. Boedeker, Leliaert & A.R.Sherwood

[= *Rhizoclonium umbraticum* K.Ichihara & K.Miyaji]

Note: Originally described as a new *Rhizoclonium* species by Ichihara *et al.* (2016), based on the type collected from Tanotsu, Fukuoka Prefecture, Japan; subsequently transferred to *Pseudorhizoclonium* by Sherwood *et al.* (2019a, b).

Genus *Rhizoclonium* Kützing, 1843 ネダシグサ属

Rhizoclonium breve K.Ichihara & K.Miyaji キスイネダシグサ

Rhizoclonium confertum K.Ichihara & K.Miyaji ナンカイホソネダシグサ

Rhizoclonium grande Børgesen オオネダシグサ

Rhizoclonium lubricum Setchell & N.L.Gardner ミヤビネダシグサ

Note: This species was often treated as a heterotypic synonym of *Chaetomorpha ligustica* (e.g., Leliaert & Boedeker, 2007). However, Ichihara *et al.* (2016) reinstated it as a distinct species.

Rhizoclonium riparium (Roth) Harvey ホソネダシグサ

[= *Rhizoclonium implexum* (Dillwyn) Kützing カワグチミドロ]

[= *Rhizoclonium kernerii* Stockmayer カワグチミドロ]

[= *Rhizoclonium kochianum* Kützing ビロードミドロ]

[*Rhizoclonium arenosum* auct. non (Carmichael) Kützing: Yendo (1917)]

Genus *Willeella* Børgesen, 1930 ヒラシオグサ属

Note: Hoek & Chihara (2000) synonymized *Willeella* with *Cladophora*; however, Boedeker *et al.* (2016) reinstated it as a distinct genus.

Willeella ordinata Børgesen ヒラシオグサ

[= *Cladophora ordinata* (Børgesen) C.Hoek ナンカイヒラシオグサ]

[= *Willeella japonica* Yamada & Segawa ヒラシオグサ]

Family Pseudocladophoraceae C.Boedeker &

Leliaert *in* Boedeker *et al.* (2012) カイゴロモ科

Genus *Pseudocladophora* C.Boedeker & Leliaert *in*

Boedeker *et al.* (2012) カイゴロモ属

Pseudocladophora conchopheria (Sakai) C.Boedeker &

Leliaert カイゴロモ

[= *Cladophora conchopheria* Sakai]

Pseudocladophora horii (C.Hoek & Chihara)

C.Boedeker & Leliaert ヒメフカミドリシオグサ

[= *Cladophora horii* C.Hoek & Chihara]

Family Siphonocladaceae F.Schmitz, 1879 nom.

cons. マガタマモ科

Genus *Boergesenia* Feldmann, 1938 マガタマモ属

Boergesenia forbesii (Harvey) Feldmann マガタマモ

[= *Valonia forbesii* Harvey]

Genus *Dictyosphaeria* Decaisne 1842 キッコウグサ属

Dictyosphaeria cavernosa (Forsskål) Børgesen キッコウグサ

[= *Dictyosphaeria favulosa* (C.Agardh) Decaisne キッコウグサ]

Dictyosphaeria versluisii Weber-van Bosse ムクキッコウグサ

[= *Dictyosphaeria bokotensis* Yamada トゲキッコウグサ]

Genus *Siphonocladus* F.Schmitz, 1879 クダネダシグサ属

Siphonocladus rigidus M.Howe

Note: Ohba (1995) cited this species as a new record for Japan; however, it was excluded from Japanese algal flora because he did not provide identification details or voucher specimens (Yoshida *et al.*, 2015). Subsequently, Koyama *et al.* (2017) presented the detailed morphology of this species.

Siphonocladus tropicus (P.Crouan & H.Crouan) J.Agardh クダネダシグサ

Family Valoniaceae Kützinger, 1849 バロニア科

Genus *Valonia* C.Agardh, 1823 バロニア属

[= *Ventricaria* J.L.Olsen & J.A.West, 1988 オオバロニア属]

Valonia aegagropila C.Agardh タマバロニア

Valonia fastigiata Harvey ex J.Agardh フサバロニア

Valonia macrophysa Kützinger タマゴバロニア

Valonia utricularis (Roth) C.Agardh バロニア

Valonia ventricosa J.Agardh オオバロニア

[= *Ventricaria ventricosa* (J.Agardh) J.L.Olsen & J.A.West]

Genus *Valoniopsis* Børgesen, 1934 ホソバロニア属

Valoniopsis pachynema (G.Martens) Børgesen ホソバロニア

[= *Valonia confervoides* Harvey ex J.Agardh ホソバロニア]

Order Dasycladales Pascher, 1931 カサノリ目

Family Bornetellaceae Pia, 1912 ミズタマ科

Note: Ministry of the Environment, Japan (2025) treated the genus *Bornetella* as a member of Bornetellaceae.

Genus *Bornetella* Munier-Chalmas, 1877 ミズタマ属

Bornetella clavellina Tak.Tanaka ホソミズタマ

Bornetella nitida (Harvey ex Munier-Chalmas) Sonder

ナガミズタマ

Bornetella oligospora Solms カタミズタマ

Bornetella sphaerica (Zanardini) Solms ミズタマ

[= *Bornetella ovalis* Yamada ミズタマ]

[*Bornetella capitata* auct. non (Harvey ex E.P.Wright)

J.Agardh: Okamura (1908) ミズタマ]

Family Dasycladaceae Kützinger, 1843 ケブカフデモ科

Genus *Cymopolia* J.V.Lamouroux, 1816 ウスガサネ属

Cymopolia vanbosseae Solms ウスガサネ

Genus *Dasycladus* C.Agardh, 1828 ケブカフデモ属

Dasycladus vermicularis (Scopoli) Krasser ケブカフデモ

[= *Dasycladus claviformis* (Roth) C.Agardh nom. illeg.]

Genus *Neomeris* J.V.Lamouroux, 1816 フデノホ属

Neomeris annulata Dickie フデノホ

Neomeris bilimbata J.Koster ヌレフデノホ

[*Neomeris mucosa* auct. non M.Howe: Yamada & Tanaka (1938) ヌレフデノホ]

Neomeris vanbosseae M.Howe コナハダフデノホ

Family Polyphysaceae Kützinger, 1843 カサノリ科

Genus *Acetabularia* J.V.Lamouroux, 1812 nom. cons.

カサノリ属

[= *Polyphysa* Lamarck, 1816]

Acetabularia caliculus J.V.Lamouroux ホソエガサ

[*Acetabularia caraibica* auct. non Kützinger: Okamura (1912) ツノカサノリ]

Acetabularia dentata Solms リュウキウガサ

Acetabularia ryukyuensis Okamura & Yamada カサノリ

[*Acetabularia mediterranea* auct. non J.V.Lamouroux: Okamura (1902) カサノリ (オトヒメカラカサ)]

Genus *Halicoryne* Harvey, 1860 イソスギナ属

Halicoryne wrightii Harvey イソスギナ

Genus *Parvocaulis* S.Berger, Fettweiss, Gleissberg, L.B.Liddle, U.Richter, Sawitzky & Zuccarello, 2003 ヒナカサノリ属

Parvocaulis clavatus (Yamada) S.Berger, Fettweiss, Gleissberg, L.B.Liddle, U.Richter, Sawitzky & Zuccarello ヒナレガサ

[≡ *Acetabularia clavata* Yamada]

[≡ *Polyphysa clavata* (Yamada) Schnetter & Bula-Mayer]

Parvocaulis exiguus (Solms) S.Berger, Fettweiss, Gleissberg, L.B.Liddle, U.Richter, Sawitzky & Zuccarello ホシガタカサノリ

[≡ *Acetabularia exigua* Solms]

Parvocaulis parvulus (Solms) S.Berger, Fettweiss, Gleissberg, L.B.Liddle, U.Richter, Sawitzky & Zuccarello ヒナカサノリ

[≡ *Acetabularia parvula* Solms ウスユキガサ]

[≡ *Acetabularia moebii* Okamura ヒナカサノリ]

[≡ *Acetabularia minutissima* Okamura ヒナカサノリ]

[*Acetabularia polyphysoides* auct. non P.Crouan & H.Crouan: Okamura (1916) ヒナカサノリ]

Order Ulotrichales Borzi, 1895 ヒビミドロ目

[≡ Acrosiphoniales S.Jónsson, 1959 モツレグサ目]

Note: The classification of families within the Ulotrichales is based on Cormaci *et al.* (2014) and Škaloud *et al.* (2018).

Family Acrosiphoniaceae S.Jónsson, 1959 モツレグサ科

Genus *Acrosiphonia* J.Agardh 1846 モツレグサ属

Acrosiphonia duriuscula (Ruprecht) Yendo モツレグサ

[≡ *Spongomorpha duriuscula* (Ruprecht) Collins]

[≡ *Spongomorpha duriuscula* var. *tenuis* Yamada ホソモツレグサ]

[≡ *Spongomorpha breviarticulata* Sakai キタミモツレグサ]

Acrosiphonia heterocladia (Sakai) K.L.Vinogradova イブリモツレグサ

[≡ *Spongomorpha heterocladia* Sakai]

Acrosiphonia saxatilis (Ruprecht) K.L.Vinogradova トゲナシモツレグサ

[≡ *Spongomorpha saxatilis* (Ruprecht) Collins]

[*Spongomorpha arcta* auct. non (Dillwyn) Kützinger: Yendo (1915)]

[*Cladophora arcta* auct. non (Dillwyn) Kützinger: Okamura (1916)]

Genus *Spongomorpha* Kützinger, 1843 カギモツレグサ属 (改称; 旧称: モツレグサ属)

Spongomorpha mertensii (Yendo) Setchell &

N.L.Gardner カギモツレグサ

[≡ *Acrosiphonia mertensii* Yendo]

Spongomorpha spiralis Sakai ウズモツレグサ

Family Capsosiphonaceae V.J.Chapman, 1952 カブサアオノリ科

Genus *Capsosiphon* Gobi, 1879 カブサアオノリ属

Capsosiphon fulvescens (C.Agardh) Setchell &

N.L.Gardner カブサアオノリ

Family Gayraliaceae K.L.Vinogradova, 1969 マキヒトエグサ科

Genus *Gayralia* K.L.Vinogradova, 1969 マキヒトエグサ属

Gayralia kuroshiensis (Bast) S.L.A.Silva, J.O.F.Brito,

S.M.B.Pereira, W.A.Gama & Cassano

[≡ *Monostroma kuroshiense* Bast]

Note: Originally described as a new *Monostroma* species

by Bast (2015) based on the type collected from

Matsuzaka, Mie Prefecture, Japan; subsequently transferred to *Gayralia* by da Silva *et al.* (2022a, b).

Gayralia orientalis Horinouchi & Niwa

Note: Horinouchi & Niwa (2026) described this species

based on the type collected from Banda, Chiba Prefecture, Japan.

Gayralia oxysperma (Kützinger) K.L.Vinogradova ex

Scagel *et al.* マキヒトエ

[≡ *Monostroma oxyspermum* (Kützinger) Doty]

[*Monostroma tubiforme* K.Iwamoto nom. inval. ラッパヒトエ]

Gayralia oxysperma* f. *wittrockii (Bornet) P.C.Silva

[= *Monostroma wittrockii* Bornet マキヒトエ]

Family Gomontiaceae De Toni, 1889 カイミドリ科

[= Collinsiellaceae Chihara, 1967 ランソウモドキ科]

Note: Wetherbee & Verbruggen (2016) referred to the *Collinsiella* clade as ‘Monostromataceae’ (Fig. 1); however, based on the inclusion of *Gomontia polyrhiza* (type of *Gomontia*), it should be classified as Gomontiaceae, which also encompasses Collinsiellaceae.

Genus Collinsiella Setchell & N.L.Gardner, 1903 ランソウモドキ属

Collinsiella cava (Yendo) Printz シワランソウモドキ
[= *Eccallocystis cava* Yendo]

Collinsiella japonica (Yendo) Printz コツブランソウモドキ
[= *Eccallocystis japonica* Yendo]

Collinsiella tuberculata Setchell & N.L.Gardner ランソウモドキ
[= *Eccallocystis tuberculata* (Setchell & N.L.Gardner) Wille]

Genus Collinsiellopsis Chihara, 1967 ニセランソウモドキ属

Collinsiellopsis expansa Chihara ニセランソウモドキ

Genus Gomontia Bornet & Flahault, 1888 カイミドリ属
Gomontia parvoerecta Horinouchi, Y.Kagami & Niwa
タチカイミドリ

Note: Horinouchi *et al.* (2025) described this species based on the type collected from Muroran, Hokkaido Prefecture, Japan.

Gomontia polyrhiza (Lagerheim) Bornet & Flahault カイミドリ

Family Monostromataceae Kunieda, 1934 ヒトエグサ科

Genus Monostroma Thuret, 1854 ヒトエグサ属
Monostroma alittorale Tak.Tanaka & K.Nozaawa シンカイヒトエグサ

Monostroma angicava Kjellman エゾヒトエグサ
Monostroma angicava f. *cylindraceum* (Kjellman)
Yamada ex Noda

Monostroma crassidermum Tokida アツカワヒトエ
Monostroma crassissimum K.Iwamoto nom. inval. アツバヒトエ

Note: This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Iwamoto, 1960a).

Monostroma grevillei (Thuret) Wittrock ウスヒトエグサ
Monostroma nitidum Wittrock ヒトエグサ

[= *Monostroma latissimum* Wittrock ヒロハノヒトエグサ]
[= *Porphyra crispata* Kjellman]

Note: Some studies (e.g., Terada *et al.*, 2025; Horinouchi & Niwa, 2026) have shown that Japanese ‘*Monostroma nitidum*’ and ‘*M. latissimum*’ are referable to *Gayralia kuroshiensis* or *G. orientalis*. Further investigation is required to clarify the status of *Monostroma* spp. in Japan.

Family Ulotrichaceae Kützinger, 1843 ヒビミドロ科

Genus Protomonostroma K.L.Vinogradova, 1969 シワヒトエグサ属

Protomonostroma undulatum (Wittrock)
K.L.Vinogradova シワヒトエグサ

[= *Monostroma undulatum* Wittrock]
[*Monostroma pulchrum* auct. non Farlow: Yendo (1917) シワヒトエグサ]
[*Monostroma undulatum* var. *farlowii* auct. non Foslie: Kawashima (1954) ヒダヒトエ]

Genus Pseudothrix Hanic & S.C.Lindstrom, 2008 ヒモヒトエグサ属

Pseudothrix borealis Hanic & S.C.Lindstrom ヒモヒトエグサ

[*Monostroma groenlandicum* auct. non J.Agardh: Yamada (1934) ヒモヒトエグサ]
[*Capsosiphon groenlandicus* auct. non (J.Agardh) K.L.Vinogradova: Tatewaki (1994) ヒモヒトエグサ]

Genus *Ulothrix* Kützing, 1833 ヒビミドロ属

Ulothrix flacca (Dillwyn) Thuret ヒビミドロ

[= *Ulothrix pseudoflacca* Wille ホソヒビミドロ]

Ulothrix implexa (Kützing) Kützing

[= *Ulothrix acrorhiza* Kornmann]

Genus *Urospora* Areschoug, 1866 nom. cons. シリオミドロ属

Urospora penicilliformis (Roth) Areschoug シリオミドロ

[= *Hormiscia penicilliformis* (Roth) Fries]

[= *Urospora mirabilis* Areschoug シリオミドロ]

Urospora wormskioldii (Mertens ex Hornemann)

Rosenvinge オオシリオミドロ

Order Ulvales Ritgen, 1828 アオサ目

[= Phaeophilales Chappell, O'Kelly, L.W.Wilcox &

G.L.Floyd, 1990 ネジレミドリ目]

Family Bolbocoleonaceae O'Kelly & Rinkel in

Brodie *et al.* (2007) ボルボコレオン科

Genus *Bolbocoleon* Pringsheim, 1863 ボルボコレオン属

Bolbocoleon piliferum Pringsheim

Family Kornmanniaceae Golden & K.M.Cole, 1986

モツキヒトエグサ科

Genus *Blidingia* Kylin, 1947 ヒメアオノリ属

Blidingia marginata (J.Agardh) P.J.L.Dangeard ex

Bliding ホソヒメアオノリ

[= *Enteromorpha marginata* J.Agardh]

Blidingia minima (Nägeli ex Kützing) Kylin ヒメアオ

ノリ

[= *Enteromorpha nana* var. *minima* (Nägeli ex Hauck)

Sjøstedt]

[= *Enteromorpha coarctata* Kjellman]

[*Enteromorpha micrococca* auct. non Kützing: Yendo

(1915)]

[*Blidingia nana* (Sommerfelt) Bliding nom. inval. ヒメア

オノリ]

Genus *Kornmannia* Bliding, 1969 モツキヒトエ属

Kornmannia leptoderma (Kjellman) Bliding モツキヒトエ

[= *Monostroma zostericola* Tilden モツキヒトエ]

Family Phaeophilaceae Chappell, O'Kelly,

L.W.Wilcox & G.L.Floyd, 1990 ネジレミドリ科

Note: Maggs (2007) treated this family as a member of

Ulvales.

Genus *Phaeophila* Hauck, 1876 ネジレミドリ属

Phaeophila dendroides (P.Crouan & H.Crouan) Batters

ネジレミドリ

Family Ulvaceae J.V.Lamouroux ex Dumortier, 1822

アオサ科

Genus *Percursaria* Bory, 1823 ペルクルサリア属

Percursaria percursa (C.Agardh) Rosenvinge

Genus *Ryuguphycus* H.Kawai, Hanyuda & Kitayama in

Kawai *et al.* (2020) ボニンアオノリ属

Ryuguphycus kuaweuwewu (H.L.Spalding &

A.R.Sherwood) H.Kawai, Hanyuda & Kitayama ボニン

アオノリ

Note: Kawai *et al.* (2020b) recorded *Umbraulva*

kuaweuwewu as a new record for Japan and transferred it to

Ryuguphycus.

Genus *Ulva* Linnaeus, 1753 アオサ属

[= *Enteromorpha* Link in Nees (1820) アオノリ属]

[= *Phycoseris* Kützing, 1843]

[= *Chloropelta* Tanner, 1980 ヒメボタンアオサ属]

Ulva adhaerens Ka.Matsumoto & S.Shimada カサネア

オサ

Ulva aragoënsis (Bliding) Maggs

[≡ *Ulva mediterranea* Alongi, Cormaci & G.Furnari nom.

illeg.] *Superfluous name

Note: Hiraoka *et al.* (2017) referred some Japanese *Ulva*

flexuosa specimens to *U. mediterranea*. However, Krupnik

et al. (2018) synonymized *U. mediterranea* with *U.*

aragoënsis, noting that the former is a superfluous name.

Ulva arasakii Chihara ナガアオサ

Ulva australis Areschoug アナアオサ

[= *Ulva pertusa* Kjellman アナアオサ]

[*Phycoseris smaragdina* auct. non Kützinger: Suringar (1867)]

[*Phycoseris gigantea* var. *perforata* auct. non Kützinger: Martens (1868)]

[*Phycoseris australis* auct. non Kützinger: Suringar (1870)]

Note: Historically, this species was identified as *Ulva pertusa* in Japan (Yoshida *et al.*, 2015); however, Hanyuda & Kawai (2018) and Hughey *et al.* (2021b) synonymized *U. pertusa* with *U. australis*.

Ulva californica Wille カクレウスバアオノリ (新称)

Ulva clathrata (Roth) C.Agardh タレツアオノリ

[= *Enteromorpha clathrata* (Roth) Greville]

[= *Enteromorpha crinita* Nees ホソエダアオノリ]

[= *Enteromorpha ramulosa* (Smith) Carmichael ヒゲアオノリ]

[= *Enteromorpha paradoxa* var. *tenuissima* Kützinger]

Ulva compressa Linnaeus ヒラアオノリ

[= *Enteromorpha compressa* (Linnaeus) Nees]

[= *Ulva enteromorpha* var. *compressa* (Linnaeus) Le Jolis]

[= *Enteromorpha complanata* Kützinger]

Ulva conglobata Kjellman ボタンアオサ

[= *Ulva conglobata* f. *densa* Kjellman]

[= *Ulva pseudo-ohnoi* H.W.Lee, Jeong C.Kang & M.S.Kim]

Note: Hughey *et al.* (2021b) synonymized *Ulva conglobata* f. *densa* with *U. conglobata*, and Carneiro *et al.* (2023) subsequently synonymized *U. pseudo-ohnoi* with *U. conglobata*.

Ulva fenestrata Postels & Ruprecht チシマアナアオサ

[*Ulva latissima* auct. non Linnaeus: Kawabata (1936) オオバアオサ]

[*Ulva lactuca* auct. non Linnaeus: Yoshida (1998) オオバアオサ]

Note: Historically, this species was identified as *Ulva lactuca* in Japan (Yoshida *et al.*, 2015); however, Hughey *et al.* (2019) indicated that Japanese records of *Ulva lactuca* represent *U. fenestrata*.

Ulva flexuosa Wulfen キヌイトアオノリ

[= *Enteromorpha flexuosa* (Wulfen) J.Agardh]

[= *Enteromorpha linguata* J.Agardh]

Ulva flexuosa* var. *linziformis Alongi, Cormaci & Furnari

[*Ulva flexuosa* subsp. *linziformis* (Bliding) Ballesteros nom. inval.]

Note: Originally reported from Japan as *Ulva flexuosa* subsp. *linziformis* by Ogawa *et al.* (2013). Subsequently, Along *et al.* (2014) reclassified it as a variety, *U. flexuosa* var. *linziformis*, because the previous subspecific combination was based on an invalid name.

Ulva iliohaha H.L.Spalding & A.R.Sherwood サグリアオサ (新称)

Note: Kawai *et al.* (2020b) confirmed the presence of this species in Japan by providing DNA sequences.

Ulva intestinalis Linnaeus ボウアオノリ

[= *Enteromorpha intestinalis* (Linnaeus) Nees]

[= *Enteromorpha capillaris* Noda イトアオノリ]

[*Ulva enteromorpha* f. *crispa* auct. non (Roth) Le Jolis: Hariot (1891)]

Ulva kanagawae V.Carneiro, N.T.Martins & Cassano カナガワアオノリ

Note: Kitayama *et al.* (2025) recorded this species as a new record for Japan.

Ulva lacinulata (Kützinger) Wittrock ナガトゲアオサ (新称)

[= *Ulva armoricana* Dion, de Reviers & Coat アオサリカ]

[= *Ulva scandinavica* Bliding]

[*Ulva rigida* auct. non C.Agardh: Yendo (1916)]

Note: Formerly, this species was identified as *Ulva rigida* in Japan (Yoshida *et al.*, 2015); however, Hughey *et al.* (2019) indicated that Japanese records of *U. rigida* represent *U. lacinulata*.

Ulva lactuca Linnaeus リボンアオサ

[= *Phycoseris lobata* Kützinger]

[= *Ulva fasciata* Delile リボンアオサ]

Note: Historically, this species identified as *Ulva fasciata* in Japan (Yoshida *et al.*, 2015); however, Hughey *et al.* (2019) synonymized *U. fasciata* with *U. lactuca*.

Ulva limnetica K.Ichihara & S.Shimada ウムトウチュ

ラノリ

Note: Originally described from freshwater habitats in Japan (Ichihara *et al.*, 2009); subsequently reported from the brackish waters (Ogawa *et al.*, 2013).

Ulva meridionalis Horimoto & S.Shimada ミナミアオノリ

Ulva ohnoi Hiraoka & S.Shimada ミナミアオサ

Ulva paradoxa C.Agardh ワタゲアオノリ

[≡ *Ulva flexuosa* subsp. *paradoxa* (C.Agardh) M.J.Wynne]

[= *Enteromorpha plumosa* Kützinger キヌイトアオノリ]

Note: Historically, this species was treated as a subspecies of *Ulva flexuosa* in Japan (Yoshida *et al.*, 2015); however, Škaloud *et al.* (2023) elevated it to species rank.

Ulva partita K.Ichihara ショウジョウアオノリ

Note: Ichihara *et al.* (2015) described this species based on the type collected from Futami, Ehime Prefecture, Japan.

Ulva prolifera O.F.Müller スジアオノリ

[≡ *Enteromorpha prolifera* (O.F.Müller) J.Agardh]

Ulva reticulata Forsskål アミアオサ

Ulva smaragdina (Kützinger) Hughey, Maggs, L.M.Loos, S.A.Harris & P.W.Gabrielson ウスバアオノリ

[= *Enteromorpha bulbosa* var. *japonica* Kjellman]

[*Phycoseris lanceolata* var. *angusta* auct. non Kützinger: Martens (1868)]

[*Ulva enteromorpha* f. *undulata* auct. non Le Jolis: Hariot (1891)]

[*Enteromorpha linza* auct. non (Linnaeus) J.Agardh: Okamura (1902) ウスバアオノリ]

[*Enteromorpha linza* var. *crispata* auct. non (Bertoloni) J.Agardh: Okamura (1936)]

[*Ulva linza* auct. non Linnaeus: Yoshida *et al.* (2005) ウスバアオノリ]

Note: Historically, this species was identified as *Ulva linza* in Japan (Yoshida *et al.*, 2015); however, Hughey *et al.* (2026) indicated that Japanese records of *U. linza* represent *U. smaragdina*. Accordingly, *Enteromorpha bulbosa* var. *japonica* should be re-synonymized with *U. smaragdina*.

Ulva spinulosa Okamura & Segawa コツブアオサ

Ulva sublittoralis Segawa オオアオサ

Note: Originally spelled 'sublittoralis' by Segawa (1938), though historically 'sublittoralis' in Japan (Yoshida *et al.*, 2015). Under ICN Art. 60.1, the original spelling must be

maintained despite the apparent error (Turland *et al.*, 2025).

Ulva tanneri H.S.Hayden & Waaland ヒメボタンアオサ

[≡ *Chloropelta caespitosa* Tanner] *Replaced synonym

Ulva tepida Masakiyo & S.Shimada ナツアオノリ

Ulva torta (Mertens) Trevisan ネジレアオノリ (新称)

[= *Ulva clathratioides* L.G.Kraft, Kraft & R.F.Waller タレツアオノリモドキ]

Note: Originally reported from Japan as *Ulva clathratioides* by Ogawa *et al.* (2013); however, it has been synonymized with *U. torta* by Kirkendale *et al.* (2012).

***Ulva* sp.**

[*Ulva simplex* auct. non (K.L.Vinogradova) H.S.Hayden, Blomster, Maggs, P.C.Silva, Stanhope & Waaland: Ogawa *et al.* (2013)]

Note: Originally reported from Japan as *Ulva simplex* (Ogawa *et al.*, 2013); however, Hiraoka *et al.* (2017) pointed out that this record represents a distinct species, referring to it as '*U. simplex* sensu Ogawa *et al.* (2013)'. Therefore, it is tentatively treated as '*Ulva* sp.' in the present checklist.

Genus *Ulvaria* Ruprecht, 1850 クロヒトエグサ属

Ulvaria blyttii (Areschoug) K.L.Vinogradova クロヒトエグサ

[≡ *Monostroma fuscum* f. *blyttii* (Areschoug) Collins]

[≡ *Ulvaria obscura* var. *blyttii* (Areschoug) Bliding]

[= *Monostroma fuscum* Wittrock クロヒトエグサ]

[≡ *Ulvaria fusca* (Wittrock) Ruprecht]

[= *Monostroma fuscum* var. *splendens* (Ruprecht)

Rosenvinge オオヒトエグサ]

[≡ *Monostroma fuscum* f. *splendens* (Ruprecht) Collins]

Note: Historically, this species was identified as *Ulvaria fusca* in Japan (Yoshida *et al.*, 2015); however, Lindstrom *et al.* (2024) synonymized *U. fusca* with *U. blyttii*.

Genus *Umbraulva* E.H.Bae & I.K.Lee, 2001 ヤブレグサ属

Umbraulva amamiensis (Tak.Tanaka) E.H.Bae & I.K.Lee ウシユクアオサ

[≡ *Ulva amamiensis* Tak.Tanaka]

Umbraulva japonica (Holmes) E.H.Bae & I.K.Lee ヤブ
レグサ

[= *Letterstedtia japonica* Holmes]

[= *Ulva japonica* (Holmes) Papenfuss]

Family Ulvellaceae Schmidle, 1899 アワビモ科

Genus *Ulvella* P.Crouan & H.Crouan, 1859 アワビモ属
[= *Pringsheimiella* Höhnelt, 1920 プリングスハイミエラ
属]

[= *Entocladia* Reinke, 1879 ナイセイイトモ属]

Ulvella dasycala R.Nielsen

Ulvella gigas R.Nielsen

Ulvella globocarpitosa R.Nielsen

Ulvella hypoglossiae (Noda) Mas.Suzuki & Kitayama
ナイセイホソイトモ

[= *Entocladia hypoglossiae* Noda]

Note: Following the transfer of *Entocladia viridis* (the type
species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013),
the transfer of *E. hypoglossiae* to *Ulvella* was proposed (p.
141).

Ulvella inopinata R.Nielsen

Ulvella lens P.Crouan & H.Crouan アワビモ

Ulvella leptochaete (Huber) R.Nielsen, O'Kelly & Wysor

Ulvella nodae Mas.Suzuki & Kitayama シオグサノイ
トモ

[= *Entocladia cladophorae* Noda シオグサノイトモ]

*Replaced synonym

Note: Following the transfer of *Entocladia viridis* (the type

species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013),
E. cladophorae was transferred to *Ulvella*. However, the
binomial *Ulvella cladophorae* (Hornby) A.C.Mathieson &
Dawes already exists (Mathieson & Dawes, 2017), a new
name with a new epithet is required for the species
(Turland *et al.*, 2025, Art. 11.4 and 53.1). Therefore, a new
name was proposed (p. 141).

Ulvella ramosa (N.L.Gardner) R.Nielsen, O'Kelly &
Wysor

Ulvella reticulata (Printz) R.Nielsen, O'Kelly & Wysor

Ulvella polysiphoniae (Setchell & N.L.Gardner)

Mas.Suzuki & Kitayama イトモ

[= *Entocladia polysiphoniae* Setchell & N.L.Gardner]

Note: Following the transfer of *Entocladia viridis* (the type
species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013),
the transfer of *E. polysiphoniae* to *Ulvella* was proposed
(p. 141).

Ulvella scutata (Reinke) R.Nielsen, O'Kelly & Wysor

[= *Pringsheimiella scutata* (Reinke) Marchewianka]

Ulvella vacuospora R.Nielsen

Ulvophyceae ordo et familia incertae sedis

目・科の所属不明

Genus *Blastophysa* Reinke, 1889 アワミドリ属

Note: According to Ichihara (2019) and Li *et al.* (2021), the
systematic position of *Blastophysa* within the Ulvophyceae
remains uncertain.

Blastophysa rhizopus Reinke アワミドリ

Phylum Prasinodermatophyta B.Marin & Melkonian in Li *et al.* (2020) プラシノデルマ植物門

Note: Li *et al.* (2020) assigned Palmophyllophyceae to Prasinodermatophyta.

Class Palmophyllophyceae Leliaert *et al.* 2016 ウミヨツメモ藻綱 (新称)

Note: Leliaert *et al.* (2016) assigned Palmophyllales to Palmophyllophyceae.

Order Palmophyllales Zechman, Verbruggen, Leliaert, Ashworth, M.A.Buchheim, M.W.Fawley, H.L.Spalding, Pueschel, J.A.Buchheim, Verghese & Hanisak, 2010 ウミヨツメモ目 (新称)

Famly Palmophyllaceae Zechman, Verbruggen, Leliaert, Ashworth, M.A.Buchheim, M.W.Fawley,

H.L.Spalding, Pueschel, J.A.Buchheim, Verghese &
Hanisak, 2010 ウミヨツメモ科 (新称)

Genus *Palmophyllum* Kützing, 1847 ウミヨツメモ属 (新称)

Palmophyllum crassum (Naccari) Rabenhorst ウミヨ ツメモ (新称)

[= *Palmophyllum crassum* var. *orbiculare* (Bornet)
Feldmann]

Note: Historically treated as a variety of *Palmophyllum
crassum* in Japan (Yoshida *et al.*, 2015). However, Lee &
Kim (2017) did not recognize its varietal status.

Phylum Rhodophyta Wettstein, 1901 紅藻植物門 (旧称: 紅色植物門)

Note: The classification of subphyla within the Rhodophyta is based on Muñoz-Gómez *et al.* (2017), whereas that of classes, subclasses, and orders is based on Kamiya *et al.* (2017) and Kamiya (2019).

Subphylum Proteorhodophytina Muñoz-Gómez, Mejía-Franco, Durnin, Colp, Grisdale, J.M.Archibald & C.H.Slamovits, 2017 原始紅藻亜門

Class Compsopogonophyceae G.W.Saunders & Hommersand, 2004 オオイシソウ藻綱

Order Erythropeltales Garbary, G.I.Hansen & Scagel, 1980 エリスロペルティス目

Note: Historically spelled 'Erythropeltidales' in Japan (Yoshida *et al.*, 2015). However, Athanasiadis (2016) corrected it to 'Erythropeltales', noting that the spelling is based on the generic name *Erythropeltis* under the ICN.

Family Erythrotrichiaceae G.M.Smith, 1933 ホシノイト科

[= Erythropeltaceae Skuja, 1939 ホシノイト科]

Genus Erythrocladia Rosenvinge, 1909 トゲイソハナビ属

Erythrocladia irregularis Rosenvinge トゲイソハナビ

Genus Erythrotrichia Areschoug, 1850 nom. cons. ホシノイト属

[= *Goniotrichum* Kützing, 1943 nom. rej.]

Erythrotrichia biseriata Tak.Tanaka ヒメリボン

Note: Historically synonymized with *Erythrotrichia carnea* in Japan (Yoshida *et al.*, 2015); however, Kim & Kim (2011) reinstated it as a distinct species.

Erythrotrichia carnea (Dillwyn) J.Agardh ホシノイト

[= *Erythrotrichia pulvinata* Noda & S.Honda nom. illeg.]

[= *Erythrotrichia filibasalis* Noda アシボソイトマクラ]

Erythrotrichia carnea f. *tenuis* Tak.Tanaka ホソホシノイト

Erythrotrichia incrassata Tak.Tanaka イソリボン

[= *Erythrotrichia sargassicola* Noda モクツキホシノオビ]

Erythrotrichia parietalis Tak.Tanaka イトリボン

Erythrotrichia reflexa (P.Crouan & H.Crouan) Thuret ex De Toni ユミガタホシノイト

Note: Historically synonymized with *Erythrotrichia carnea* in Japan (Yoshida *et al.*, 2015); however, Kim & Kim (2011) recognized it as a distinct species.

Erythrotrichia regularis Noda セイレイホシノオビ

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Genus Madagascaria J.A.West & N.Kikuchi in

Zuccarello *et al.* (2010) マダガスカルア属

Madagascaria erythrocladioides J.A.West & N.Kikuchi

Genus Porphyropsis Rosenvinge, 1909 ヒナノリ属

Porphyropsis coccinea (J.Agardh ex Areschoug)

Rosenvinge ヒナノリ

[*Porphyropsis coccinea* var. *dawsonii* auct. non Hollenberg & I.A.Abbott: Notoya (1993) ドーソンヒナノリ]

Genus Porphyrostromium Trevisan, 1848 ホシノオビ属

Porphyrostromium japonicum (Tokida) N.Kikuchi ホシノオビ

[= *Erythrotrichia japonica* Tokida]

[*Bangia ciliaris* auct. non Carmichael: Yendo (1916)]

Genus Sahlingia Kornmann, 1989 イソハナビ属

Sahlingia subintegra (Rosenvinge) Kornmann イソハナビ

[= *Erythrocladia subintegra* Rosenvinge]

Class Stylonematophyceae H.S.Yoon,

K.M.Müller, Sheath, F.D.Ott & D.Bhattacharya, 2006 ベ

ニミドロ藻綱

Order Stylonematales K.M.Drew, 1956 ベニミドロ目

[= Goniotrichales Skuja, 1939 ベニミドロ目]

Family Stylonemataceae K.M.Drew, 1956 ベニミドロ科

[= Goniotrichaceae G.M.Smith, 1933 ベニミドロ科]

Genus *Bangiopsis* F.Schmitz in Engler & Prantl (1896)

ニセウシケノリ属

Bangiopsis subsimplex (Montagne) F.Schmitz ニセウシケノリ

[*Goniotrichum humpheryi* auct. non Collins: Tanaka (1944) ニセウシケノリ]

Genus *Chroodactylon* Hansgirg, 1885 タマツナギ属

[= *Asterocytis* (Hansgirg) Gobi ex F.Schmitz in Engler & Prantl (1896) タマツナギ属]

Chroodactylon echigoense (Noda) N.Kikuchi エチゴタマツナギ

[= *Asterocytis echigoensis* Noda]

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025). Following the synonymization of *Asterocytis ramosa* (the type species of *Asterocytis*) with *Chroodactylon ornatum* by Brodie & Irvine, 2003, the transfer of *A. echigoensis* to *Chroodactylon* was proposed (p. 141).

Chroodactylon echigoense f. *simplex* (Noda & K.Konno) N.Kikuchi エチゴイトタマツナギ

[= *Asterocytis echigoensis* f. *simplex* Noda & K.Konno]

Note: Following the synonymization of *Asterocytis ramosa* (the type species of *Asterocytis*) with *Chroodactylon ornatum* by Brodie & Irvine, 2003, the transfer of *A. echigoensis* f. *simplex* to *Chroodactylon* was proposed (p. 142).

Chroodactylon ornatum (C.Agardh) Basson タマツナギ

[= *Asterocytis ornata* (C.Agardh) Hamel]

[= *Asterocytis ornata* f. *simplex* (Lakowitz) Hamel イトタマツナギ]

Genus *Colacodictyon* Feldmann, 1955 アミマユダマ属
Colacodictyon reticulatum (Batters) Feldmann アミマユダマ

[= *Colaenema reticulatum* Batters]

Genus *Goniotrichopsis* G.M.Smith in Smith & Hollenberg (1943) ニセベニウチワ属

Goniotrichopsis reniformis (Kajimura) N.Kikuchi ニセベニウチワ

[= *Stylonema reniforme* Kajimura]

Genus *Stylonema* Reinsch, 1875 ベニミドロ属

Stylonema alsidii (Zanardini) K.M.Drew ベニミドロ

[= *Goniotrichum alsidii* (Zanardini) M.Howe]

[= *Goniotrichum elegans* (Chauvin) Zanardini]

Stylonema cornu-cervi Reinsch カヅノホシノイト

[= *Goniotrichum cornu-cervi* (Reinsch) Hauck]

Subphylum Eurhodophytina

G.W.Saunders & Hommersand, 2004 真正紅藻亜門

Class Bangiophyceae Wettstein, 1901 ウシケノリ藻綱

Order Bangiales Nägeli, 1847 ウシケノリ目

Family Bangiaceae Duby, 1830 ウシケノリ科

Genus *Bangia* Lyngbye, 1819 ウシケノリ属

Bangia fuscopurpurea (Dillwyn) Lyngbye ウシケノリ

[= *Bangia atropurpurea* var. *fuscopurpurea* (Dillwyn) C.Agardh]

[*Bangia atropurpurea* auct. non (Mertens ex Roth)

C.Agardh: Notoya & Kikuchi (1993) ウシケノリ]

Bangia gloiopeltidicola Tak.Tanaka フノリノウシゲ

Genus *Boreophyllum* S.C.Lindstrom, N.Kikuchi, Miyata

& Neefus in Sutherland *et al.* (2011) マクレアマノリ属

Boreophyllum pseudocrassum (Yamada & Mikami)

N.Kikuchi & Miyata マクレアマノリ

[= *Porphyra pseudocrassa* Yamada & Mikami]

Genus *Neomiuraea* N.Kikuchi, S.Arai, G.Yoshida,

J.A.Shin & Miyata, 2018 アカネグモノリ属

[= *Miuraea* N.Kikuchi, S.Arai, G.Yoshida, J.A.Shin &

Miyata in Sutherland *et al.* (2011) nom. illeg.] *Replaced synonym

Neomiuraea migatae (N.Kikuchi, S.Arai, G.Yoshida &

J.A.Shin) N.Kikuchi, S.Arai, G.Yoshida, J.A.Shin &

Miyata アカネグモノリ

[= *Porphyra migatae* N.Kikuchi, S.Arai, G.Yoshida &

J.A.Shin]

[= *Miuraea migatae* (N.Kikuchi, S.Arai, G.Yoshida &

J.A.Shin) N.Kikuchi, S.Arai, G.Yoshida J.A.Shin &

Miyata]

Genus *Porphyra* C.Agardh, 1824 ポルフィラ属

Porphyra angusta Okamura & Ueda コスジノリ

Porphyra irregularis E.Fukuhara エリモアマノリ

Porphyra ochotensis Nagai アナアマノリ

[*Porphyra perforata* auct. non J.Agardh: Ueda (1932) アナアマノリ]

Porphyra okamurae Ueda クロノリ

Porphyra punctata Yamada & Mikami スナゴアマノリ

Genus *Pyropia* J.Agardh, 1899 アマノリ属 (別称: ウップレイノリ属)

[= *Neoporphyr*a J.Brodie & L.E.Yang in Yang *et al.* (2020) オニアマノリ属]

[= *Neopyropia* J.Brodie & L.E.Yang in Yang *et al.* (2020) アマノリ属]

[= *Calidia* L.E.Yang & J.Brodie in Yang *et al.* (2020) nom. illeg.]

[= *Phycocalidia* Santiañez & M.J.Wynne, 2020 ミナミアマノリ属]

[= *Uedaea* J.Brodie & L.E.Yang in Yang *et al.* (2020) オオノノリ属]

Note: Yang *et al.* (2020) proposed splitting *Pyropia* into five genera; however, Zuccarello *et al.* (2022) treated these as heterotypic synonyms of *Pyropia*. Although Li *et al.* (2025) advocated for the generic split of *Pyropia*, some recent studies have not adopted this taxonomic system (Kikuchi *et al.*, 2026; Márquez-Corigliano *et al.*, 2026; Nelson *et al.*, 2026). Therefore, we tentatively follow Zuccarello *et al.* (2022) until a consensus on the taxonomy of the Bangiaceae is reached.

Pyropia acanthophora (E.C.Oliveira & Coll)

M.C.Oliveira, D.Milstein & E.C.Oliveira ツクシアマノリ

[= *Phycocalidia acanthophora* (E.C.Oliveira & Coll)

Santiañez]

[= *Porphyra yamadae* T.Yoshida ツクシアマノリ]

[*Porphyra crispata* auct. non Kjellman: Okamura (1916) ツクシアマノリ]

Note: Historically identified as *Porphyra yamadae* in Japan (Yoshida *et al.*, 2015); however, Xie *et al.* (2015) synonymized *Po. yamadae* with *Pyropia acanthophora*.

Pyropia akasakae (A.Miura) N.Kikuchi, Shot.Suzuki,

Tamaki & Ta.Abe ムロネアマノリ

[= *Porphyra akasakae* A.Miura]

[*Porphyra angusta* auct. non Okamura & Ueda: Kurogi (1961)]

[*Porphyra angusta* f. *sanrikuensis* Kurogi nom. inval. ニセコスジノリ]

Note: Kikuchi *et al.* (2026) transferred *Porphyra akasakae* to *Pyropia*.

Pyropia crassa (Ueda) N.Kikuchi & Miyata アツバアマノリ

[= *Porphyra crassa* Ueda]

Pyropia dentata (Kjellman) N.Kikuchi & Miyata オニアマノリ

[= *Porphyra dentata* Kjellman]

[= *Neoporphyr*a *dentata* (Kjellman) L.E.Yang & J.Brodie]

Pyropia ezokurogii Nishina & Niwa メオトアマノリ

Note: Nishina *et al.* (2025) described this species based on the type collected from Hama-sarufutsu, Hokkaido Prefecture, Japan.

Pyropia haitanensis (T.J.Chang & B.F.Zheng)

N.Kikuchi & Miyata ハイタンアマノリ

[≡ *Neoporphyra haitanensis* (T.J.Chang & B.F.Zheng)

J.Brodie & L.E.Yang]

Note: Sano *et al.* (2021) recorded this species as a new record for Japan.

Pyropia ishigecola (A.Miura) N.Kikuchi & Miyata ベン
テンアマノリ

[≡ *Porphyra ishigecola* A.Miura]

[≡ *Neopyropia ishigecola* (A.Miura) L.E.Yang & J.Brodie]

Pyropia katadae (A.Miura) M.S.Hwang, H.G.Choi,
N.Kikuchi & Miyata ソメワケアマノリ

[≡ *Porphyra katadae* A.Miura]

[≡ *Neopyropia katadae* (A.Miura) L.E.Yang & J.Brodie]

Pyropia katadae* var. *hemiphylla (C.K.Tseng &
T.J.Chang) N.Kikuchi & Tamaki アツバソメワケアマ
ノリ

[≡ *Porphyra katadae* var. *hemiphylla* C.K.Tseng &
T.J.Chang]

[≡ *Neopyropia katadae* var. *hemiphylla* (C.K.Tseng &
T.J.Chang) N.Kikuchi & Tamaki]

Note: Tamaki *et al.* (2019) reported this variety (as
Porphyra katadae var. *hemiphylla*) as a new record for
Japan. Following the transfer of *Porphyra katadae* to
Pyropia by Sutherland *et al.* (2011), the transfer of *Po*.
katadae var. *hemiphylla* to *Pyropia* was proposed (p. 143).

Pyropia kinositae (Yamada & Tak.Tanaka) N.Kikuchi,
Miyata, M.S.Hwang & H.G.Choi ウタスツノリ

[≡ *Porphyra yezoensis* f. *kinositae* Yamada & Tak.Tanaka]

[≡ *Porphyra kinositae* (Yamada & Tak.Tanaka)

E.Fukuhara]

[≡ *Neopyropia kinositae* (Yamada & Tak.Tanaka) L.E.Yang
& J.Brodie]

Pyropia kitoi (Ma.Abe, N.Kikuchi, Tamaki, Tom.Sato,
Murase, Fujiiyoshi & Ma.Kobayashi) D.J.Kim, T.O.Cho
& B.Y.Won センジュアマノリ

[≡ *Neoporphyra kitoi* Ma.Abe, N.Kikuchi, Tamaki,
Tom.Sato, Murase, Fujiiyoshi & Ma.Kobayashi]

Note: Abe *et al.* (2021) described this species based on the
type collected from Iwafune, Chiba Prefecture, Japan as
Neoporphyra kitoi. Subsequently, Kim *et al.* (2023)
transferred it to *Pyropia*.

Pyropia koreana (M.S.Hwang & I.K.Lee) M.S.Hwang,
H.G.Choi, Y.S.Oh & I.K.Lee カンコクアマノリ

Note: Tamaki *et al.* (2018) recorded this species as a new
record for Japan.

Pyropia kuniedae (Kurogi) M.S.Hwang & H.G.Choi マ
ルバアサクサノリ

[≡ *Porphyra kuniedae* Kurogi]

[≡ *Neopyropia kuniedae* (Kurogi) N.Kikuchi & Niwa]

Pyropia kurogii (S.C.Lindstrom) S.C.Lindstrom チシマ
クロノリ

[≡ *Porphyra kurogii* S.C.Lindstrom]

[*Porphyra laciniata* auct. non (Lightfoot) C.Agardh: Yendo
(1909)]

[*Porphyra linearis* auct. non Greville: Yendo (1915)]

[*Porphyra umbilicalis* auct. non Kützing: Ueda (1932) チ
シマクロノリ]

[*Porphyra purpurea* auct. non (Roth) C.Agardh: Kurogi
(1972)]

Pyropia lacerata (A.Miura) N.Kikuchi & Miyata ヤブ
レアアマノリ

[≡ *Porphyra lacerata* A.Miura]

[≡ *Neopyropia lacerata* (A.Miura) L.E.Yang & J.Brodie]

Pyropia moriensis (Ohmi) N.Kikuchi & Miyata カヤベ
ノリ

[≡ *Porphyra moriensis* Ohmi]

[≡ *Neopyropia moriensis* (Ohmi) L.E.Yang & J.Brodie]

Pyropia neodentata Matsushita, Na.Takahashi & Niwa
クロシオアマノリ

Note: Matsushita *et al.* (2025) described this species based
on the type collected from Enoshima, Kanagawa
Prefecture, Japan.

Pyropia onoi (Ueda) N.Kikuchi & Miyata オオノノリ
[≡ *Porphyra onoi* Ueda]

[≡ *Uedaea onoi* (Ueda) L.E.Yang & J.Brodie]

[*Porphyra miniata* var. *amplissima* auct. non (Kjellman)
Rosenvinge: Yendo (1909)]

[*Porphyra abyssicola* auct. non Kjellman: Ueda (1932) ア
カノリ]

Pyropia pseudolinearis (Ueda) N.Kikuchi, Miyata,
M.S.Hwang & H.G.Choi ウップルイノリ

[≡ *Porphyra pseudolinearis* Ueda]

Pyropia retorta S.M.Kim, H.G.Choi & Hy.S.Kim

Note: According to Kim *et al.* (2018), this species
corresponds to ‘*Porphyra* sp.’ in Niwa *et al.* (2009) and

‘*Pyropia* sp. 2’ in Niwa *et al.* (2014).

Pyropia seriata (Kjellman) N.Kikuchi & Miyata イチマツノリ

[= *Porphyra seriata* Kjellman]

[= *Phyllona seriata* (Kjellman) Kuntze]

[= *Neoporphyras seriata* (Kjellman) L.E.Yang & J.Brodie]

[= *Porphyra vulgaris* auct. non C.Agardh: Suringar (1867)]

Pyropia suborbiculata (Kjellman) J.E.Sutherland, H.G.Choi, M.S.Hwang & W.A.Nelson マルバアマノリ

[= *Porphyra suborbiculata* Kjellman]

[= *Porphyra leucosticta* f. *suborbiculata* (Kjellman) Yendo]

[= *Calidia suborbiculata* (Kjellman) L.E.Yang & J.Brodie]

[= *Phycocalidia suborbiculata* (Kjellman) Santiañez & M.J.Wynne]

[= *Porphyra areolata* Kjellman]

Pyropia suborbiculata* f. *latifolia (Tak.Tanaka)

N.Kikuchi ヒロハマルバアマノリ

[= *Porphyra suborbiculata* f. *latifolia* Tak.Tanaka]

Note: Following the transfer of *Porphyra suborbiculata* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. suborbiculata* f. *latifolia* to *Pyropia* was proposed (p. 143).

Pyropia tanegashimensis (Shinmura) N.Kikuchi &

Fujiyoshi タネガシマアマノリ

[= *Porphyra tanegashimensis* Shinmura]

[= *Calidia tanegashimensis* (Shinmura) L.E.Yang & J.Brodie]

[= *Phycocalidia tanegashimensis* (Shinmura) Santiañez]

Pyropia tenera (Kjellman) N.Kikuchi, Miyata,

M.S.Hwang & H.G.Choi アサクサノリ

[= *Porphyra tenera* Kjellman]

[= *Neopyropia tenera* (Kjellman) L.E.Yang & J.Brodie]

[*Porphyra leucosticta* auct. non Thuret: Yendo (1916)]

Pyropia tenera* var. *tamatsuensis (A.Miura) N.Kikuchi,

Niwa & Nakada オオバアサクサノリ

[= *Porphyra tenera* var. *tamatsuensis* A.Miura]

[= *Neopyropia tenera* var. *tamatsuensis* (A.Miura) N.Kikuchi & Niwa]

Pyropia tenera* f. *kjellmanii (Ueda) N.Kikuchi

[= *Porphyra tenera* f. *kjellmanii* Ueda]

Note: Following the transfer of *Porphyra tenera* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. tenera* f. *kjellmanii* to *Pyropia* was proposed (p. 143).

Pyropia tenuipedalis (A.Miura) N.Kikuchi & Miyata カイガラアマノリ

[= *Porphyra tenuipedalis* A.Miura]

[= *Neopyropia tenuipedalis* (A.Miura) L.E.Yang & J.Brodie]

Pyropia yezoensis (Ueda) M.S.Hwang & H.G.Choi スサビノリ

[= *Porphyra yezoensis* Ueda]

[= *Neopyropia yezoensis* (Ueda) L.E.Yang & J.Brodie]

Pyropia yezoensis* f. *coreana (Ueda) N.Kikuchi

[= *Porphyra yezoensis* f. *coreana* Ueda]

Note: Following the transfer of *Porphyra yezoensis* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. yezoensis* f. *coreana* to *Pyropia* was proposed (p. 143).

Pyropia yezoensis* f. *narawaensis N.Kikuchi, Niwa & Nakada ナラワスサビノリ

[= *Neopyropia yezoensis* f. *narawaensis* (N.Kikuchi, Niwa & Nakada) N.Kikuchi & Niwa]

[*Porphyra yezoensis* f. *narawaensis* A.Miura nom. inval.]

Genus *Wildemanian* De Toni, 1890 ベニタサ属

Wildemanian amplissima (Kjellman) Foslie ベニタサ

[= *Porphyra amplissima* (Kjellman) Setchell & Hus]

Wildemanian occidentalis (Setchell & Hus)

S.C.Lindstrom キイロタサ

[= *Porphyra occidentalis* Setchell & Hus]

Wildemanian variegata (Kjellman) De Toni フイリタサ

[= *Porphyra variegata* (Kjellman) Kjellman]

[= *Porphyra tenuitasa* E.Fukuhara ウスバタサ]

[= *Porphyra uedae* E.Fukuhara フイリタサ]

Class Florideophyceae Cronquist, 1960 真正紅藻綱

Subclass Ahnfeltiophycidae G.W. Saunders & Hommersand, 2004 イタニグサ亜綱

Order Ahnfeltiales Maggs & Pueschel, 1989 イタニグサ目

Family Ahnfeltiaceae Maggs & Pueschel, 1989 イタニグサ科

Genus *Ahnfeltia* Fries, 1836 nom. et typ. cons. イタニグサ属

Ahnfeltia fastigiata (Endlicher) Makienko ネットキイタニグサ

[*Ahnfeltia plicata* auct. non (Hudson) Fries: Okamura (1916) ネットキイタニグサ]

Ahnfeltia fastigiata* var. *tobuchiensis (Kanno & Matsubara) Skriptsova & Zhigadlova イタニグサ

[≡ *Ahnfeltia plicata* var. *tobuchiensis* Kanno & Matsubara]

[≡ *Ahnfeltia tobuchiensis* (Kanno & Matsubara) Makienko]

Note: Historically, this variety was synonymized with

Ahnfeltia fastigiata in Japan (Yoshida *et al.*, 2015).

However, Skriptsova & Zhigadlova (2022) reinstated it as a distinct variety of *A. fastigiata*.

Order Pihellales Huisman, A.R.Sherwood & I.A.Abbott, 2003 コナハダヤドリ目 (新称)

Family Pihellaceae Huisman, A.R.Sherwood & I.A.Abbott, 2003 コナハダヤドリ科 (新称)

Genus *Pihiella* Huisman, A.R.Sherwood & I.A.Abbott, 2003 コナハダヤドリ属 (新称)

Pihiella liagoraciphila Huisman, A.R.Sherwood & I.A.Abbott コナハダヤドリ (新称)

Subclass Corallinophycidae L.Le Gall & G.W.Saunders, 2007 サンゴモ亜綱

Note: The classification and recognition of non-geniculate species belonging to Corallinales, Hapalidiales, and Sporolithales in Japan are based on Baba & Kato (2023).

Order Corallinales P.C.Silva & H.W.Johansen, 1986 サンゴモ目

Note: The classification of families and subfamilies within the Corallinales is based on Peña *et al.* (2020).

Family Corallinaceae J.V.Lamouroux, 1812 サンゴモ科

[= Spongittaceae Kützinger, 1843 オニガワライシモ科]

Subfamily Chamberlainoideae Caragnano, Foetisch, Maneveldt & Payri in Caragnano *et al.* (2018) チャンバレン亜科

Genus *Chamberlainium* Caragnano, Foetisch, Maneveldt & Payri in Caragnano *et al.* (2018) チャンバレン属

Chamberlainium tumidum (Foslie) Caragnano, Foetisch, Maneveldt & Payri コブイシゴロモ

[≡ *Lithophyllum farlowii* Foslie nom. illeg.] *Replaced synonym

[≡ *Lithophyllum neofarlowii* Setchell & L.R.Mason nom. illeg.] *Superfluous name

[≡ *Pseudolithophyllum neofarlowii* (Setchell & L.R.Mason) W.H.Adey nom. illeg.] *Superfluous name

Genus *Heteroderma* Foslie, 1909 ヘテロデルマ属
Heteroderma gibbsii (Setchell & Foslie) Foslie エンリンモカサ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Genus *Pneophyllum* Kützinger, 1843 モカサ属
Pneophyllum confervicola (Kützinger) Y.M.Chamberlain ヒメモカサ

[= *Fosliella minutula* (Foslie) Ganesan ヒメモカサ]

Pneophyllum coronatum (Rosanoff) Penrose カンムリモカサ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Pneophyllum fragile Kützinger シロモカサ

[= *Fosliella lejolissii* (Rosanoff) M.Howe シロモカサ]

Pneophyllum zostericola (Foslie) Fujita モカサ

[≡ *Lithophyllum zostericola* Foslie]

[≡ *Melobesia zostericola* (Foslie) Foslie]

[≡ *Heteroderma zostericola* (Foslie) Foslie]

[≡ *Fosliella zostericola* (Foslie) Segawa]

Subfamily Corallinoideae Foslie, 1908 サンゴモ亜科

Genus *Alatocladia* (Yendo) H.W.Johansen, 1969 ヤハ

ズシコロ属

Alatocladia modesta (Yendo) H.W.Johansen ヤハズシコロ

[= *Cheilosporum anceps* var. *modestum* Yendo]

[= *Calliarthron modestum* (Yendo) Manza]

Alatocladia yessoensis (Yendo) P.W.Gabrielson, K.A.Miller & Martone エゾシコロ

[= *Cheilosporum yessoense* Yendo]

[= *Calliarthron yessoense* (Yendo) Manza]

[= *Cheilosporum yessoense* f. *angustum* Yendo]

[= *Cheilosporum latissimum* Yendo]

[= *Calliarthron latissimum* (Yendo) Manza]

Genus *Arthrocardia* Decaisne, 1842 アルスロカルディア属

Arthrocardia anceps (Yendo) H.W.Johansen

[= *Cheilosporum anceps* Yendo]

Genus *Corallina* Linnaeus, 1758 サンゴモ属

[= *Joculator* Manza, 1937 オオシコロ属]

[= *Yamadaia* Segawa, 1955 サビモドキ属]

[= *Serraticardia* (Yendo) P.C.Silva, 1957 オオシコロ属]

[= *Marginisporum* (Yendo) Ganesan, 1968 ヘリトリカニノテ属]

Corallina aberrans (Yendo) K.R.Hind & G.W.Saunders フサカニノテ

[= *Amphiroa aberrans* Yendo]

[= *Arthrocardia aberrans* (Yendo) Weber-van Bosse]

[= *Marginisporum aberrans* (Yendo) H.W.Johansen & Chihara]

[*Corallina frondescens* auct. non Postels & Ruprecht: Martens (1868) p.p.]

Corallina berteroi Montagne ex Kützing サビモドキ

[= *Yamadaia melobesioides* Segawa サビモドキ]

[= *Corallina melobesioides* (Segawa) Martone, S.C.Lindstrom, K.A.Miller & P.W.Gabrielson]

[= *Corallina caespitosa* R.H.Walker, J.Brodie & L.M.Irvine]

Note: Formerly, this species was identified as *Corallina melobesioides* or *C. caespitosa* in Japan (Yoshida *et al.*, 2015). However, Calderon *et al.* (2021) synonymized *C. melobesioides* and *C. caespitosa* with *C. berteroi*.

Corallina confusa Yendo ミヤヒバ

[*Corallina squamata* auct. non Linnaeus: Yendo (1902) ミヤヒバ]

Corallina crassissima (Yendo) K.R.Hind &

G.W.Saunders ヘリトリカニノテ

[= *Amphiroa crassissima* Yendo]

[= *Marginisporum crassissimum* (Yendo) Ganesan]

Corallina declinata (Yendo) K.R.Hind & G.W.Saunders マガリカニノテ

[= *Amphiroa declinata* Yendo]

[= *Arthrocardia declinata* (Yendo) Weber-van Bosse]

[= *Marginisporum declinatum* (Yendo) Ganesan]

[*Corallina frondescens* auct. non Postels & Ruprecht: Martens (1868) p.p.]

Corallina hakodatensis Martone & R.M.Wade

Note: Wade *et al.* (2022) described this species based on the type collected from Hakodate, Hokkaido Prefecture, Japan.

Corallina maxima (Yendo) K.R.Hind & G.W.Saunders オオシコロ

[= *Cheilosporum maximum* Yendo]

[= *Joculator maximus* (Yendo) Manza]

[= *Serraticardia maxima* (Yendo) P.C.Silva]

[*Corallina filicula* auct. non Lamarck: Martens (1868)]

[*Cheilosporum palmatum* var. *filicula* auct. non (Lamarck) Yendo: Yendo (1902) シコロ]

Corallina officinalis Linnaeus サンゴモ

Corallina officinalis subsp. *cretacea* (Postels & Ruprecht) Skriptsova & Belotsitsenko イソキリ

[= *Amphiroa cretacea* (Postels & Ruprecht) Endlicher]

[= *Pachyarthron cretaceum* (Postels & Ruprecht) Manza]

[= *Bossiella cretacea* (Postels & Ruprecht) H.W.Johansen]

[= *Amphiroa cretacea* f. *rosariformis* Yendo]

Note: Formerly, *Bossiella cretacea* was synonymized with *Corallina officinalis* by Hind *et al.* (2014). However, Skriptsova & Belotsitsenko (2026) reinstated it as a subspecies of *C. officinalis*. Accordingly, *Amphiroa cretacea* f. *rosariformis* should be re-synonymized with *C. officinalis* subsp. *cretacea*.

Corallina pilulifera Postels & Ruprecht ビリヒバ

[= *Corallina kaifuensis* Yendo ヒメヒバ]

[= *Corallina sessilis* Yendo ミヤヒバモドキ]

Corallina pilulifera* var. *filiformis Ruprecht

Corallina pilulifera* var. *sororia Ruprecht

Corallina pilulifera* f. *intermedia Yendo

Corallina yendoi Martone, P.W.Gabrielson,
M.S.Calderon & D.E.Bustamante

Note: Calderon *et al.* (2021) described this species based on the type collected from Hakodate, Hokkaido Prefecture, Japan.

Genus *Jania* J.V.Lamouroux, 1812 モサズキ属

[= *Cheilosporum* (Decaisne) Zanardini, 1844 ヒメシコロ属]

Jania acutiloba (Decaisne) Ji.H.Kim, Guiry & H.G.Choi
ヒメシコロ

[= *Cheilosporum acutilobum* (Decaisne) Piccone]

[= *Cheilosporum jungermannioides* Ruprecht ex Areschoug
ヒメシコロ]

Jania arborescens (Yendo) Yendo キブリモサズキ
[= *Corallina arborescens* Yendo]

Jania capillacea Harvey ケヒメモサズキ

Jania nipponica (Yendo) Yendo ウラモサズキ
[= *Corallina nipponica* Yendo]

Jania pedunculata* var. *adhaerens (J.V.Lamouroux)

A.S.Harvey, Woelkerling & de Reviers ヒメモサズキ

[= *Jania adhaerens* J.V.Lamouroux ヒメモサズキ]

[= *Corallina adhaerens* (J.V.Lamouroux) Kützing タマモサズキ]

[= *Corallina decussatodichotoma* Yendo]

[= *Jania decussatodichotoma* (Yendo) Yendo]

Note: Historically, *Jania adhaerens* was treated as a distinct species in Japan (Yoshida *et al.*, 2015). However, Harvey *et al.* (2020) reduced it to a variety of *J. pedunculata*.

Jania radiata Yendo ヒオウギ

[= *Corallina radiata* Yendo nom. illeg.] *Replaced
synonym

Jania spectabilis (Harvey ex Grunow) Ji.H.Kim, Guiry
& H.G.Choi ハネヒメシコロ

[= *Cheilosporum spectabile* Harvey ex Grunow]

[*Cheilosporum jungermannioides* auct. non Ruprecht ex
Areschoug; Segawa (1941)]

Jania unguata (Yendo) Yendo サキビロモサズキ
[= *Corallina unguata* Yendo]

Note: Woelkerling *et al.* (2015) noted that this species may be conspecific with *J. pedunculata*.

Jania unguata* f. *brevior (Yendo) Yendo

[= *Corallina unguata* f. *brevior* Yendo]

Jania yenoshimensis (Yendo) Yendo エノシマモサズキ
[= *Corallina yenoshimensis* Yendo]

Subfamily Neogoniolithoideae A.Kato & M.Baba,
2011 イシノミモドキ亜科

Genus *Neogoniolithon* Setchell & L.R.Mason, 1943 イ
シノミモドキ属

Neogoniolithon fosliei (Heydrich) Setchell &
L.R.Mason フオズリーイシモ

Note: Kato *et al.* (2013) subdivided this species into three
clades (*N. fosliei* clades A–C).

Neogoniolithon frutescens (Foslie) Setchell &
L.R.Mason キブリイシモ

Neogoniolithon megalocystum (Foslie) Setchell &
L.R.Mason ハモンイシモ

Neogoniolithon misakiense (Foslie) Setchell &
L.R.Mason カサネイシモ

[= *Goniolithon misakiense* Foslie]

[= *Goniolithon versabile* Foslie]

Neogoniolithon pacificum (Foslie) Setchell &
L.R.Mason ヒュウガイイシノミモドキ

[= *Goniolithon notarisii* f. *pacificum* Foslie]

[= *Goniolithon pacificum* (Foslie) Foslie]

Note: This species was synonymized with *Neogoniolithon megalocystum* by (Yoshida & Baba, 1998). However, Baba & Kato (2023) reinstated it as a distinct species.

Neogoniolithon setchellii (Foslie) W.H.Adey イシノミ
[*Neogoniolithon accretum* auct. non (Foslie & M.Howe)

Setchell & L.R.Mason: Masaki (1968) リナキイシモ]

[*Neogoniolithon pacificum* auct. non (Foslie) Setchell &
L.R.Mason: Masaki (1968) スリパチイシモ]

Neogoniolithon tenuicrustaceum Iryu & S.Matsuda ウ
スカワイシモ

Neogoniolithon trichotomum (Heydrich) Setchell &
L.R.Mason トガリエダイシモ

Neogoniolithon variabile D.R.Zhang & J.H.Zhou コブ

ハイイロイシモ

Note: Baba & Kato (2023) noted that this species may not belong to *Neogoniolithon*.

Genus *Spongites* Kützing, 1841 オニガワライシモ属***Spongites colliculosus*** (T.Masaki) Maneveldt & Keats
トゲイボ

[= *Porolithon colliculosum* T.Masaki]

Spongites fruticulosus Kützing オニガワライシモ

[*Porolithon craspedium* auct. non (Foslie) Foslie: Chihara (1975) オニガワライシモ]

Spongites yendoi (Foslie) Y.M.Chamberlain ウミサビ

[= *Goniolithon yendoi* Foslie]

[= *Lithophyllum yendoi* (Foslie) Foslie]

[= *Lithothamnion yendoi* (Foslie) Mc.Lemoine]

[= *Pseudolithophyllum yendoi* (Foslie) W.H.Adey]

Family *Lithophyllaceae* Athanasiadis, 2016 イシゴ
ロモ科

[= *Hydrolithaceae* R.A.Townsend & Huisman, 2018 コブ
イシモ科]

[= *Porolithaceae* R.A.Townsend & Huisman, 2018 アナア
キイシモ科]

Subfamily *Hydrolithoideae* A.Kato & M.Baba, 2011
コブイシモ亜科**Genus *Hydrolithon*** (Foslie) Foslie, 1909 コブイシモ
属***Hydrolithon boergesenii*** (Foslie) Foslie コブイシモ
(旧称: セトイボイシモ)

[= *Porolithon boergesenii* (Foslie) Mc.Lemoine セトイボ
イシモ]

[= *Hydrolithon reinboldii* (Weber-van Bosse & Foslie)
Foslie コブイシモ]

Hydrolithon cruciatum (Bressan) Y.M.Chamberlain ジ
ュウジモカサ

Note: Baba & Kato (2023) recorded this species as a new
record for Japan.

Hydrolithon farinosum (J.V.Lamouroux) Penrose &
Y.M.Chamberlain イボモカサ

[= *Melobesia farinosa* J.V.Lamouroux]

[= *Fosliella farinosa* (J.V.Lamouroux) M.Howe]

[= *Melobesia granulata* Meneghini ex Kützing]

[*Fosliella paschalis* auct. non (Mc.Lemoine) Setchell &
N.L.Gardner: Masaki (1968) イボモカサモドキ]

Hydrolithon murakoshii Iryu & S.Matsuda ムラコシイ
シモ***Hydrolithon sargassi*** (Foslie) Y.M.Chamberlain モクゴ
ロモ

[= *Melobesia marginata* f. *sargassi* Foslie]

[= *Lithophyllum sargassi* (Foslie) Foslie]

[= *Melobesia sargassi* (Foslie) Foslie]

[= *Heteroderma sargassi* (Foslie) Foslie]

[= *Pneophyllum sargassi* (Foslie) Y.M.Chamberlain]

[= *Fosliella sargassi* (Foslie) Athanasiadis]

Hydrolithon sargassi* f. *parvulum (T.Masaki) Chihara ex
M.Baba & A.Kato ソゾゴロモ

[= *Heteroderma sargassi* f. *parvulum* T.Masaki]

Note: *Heteroderma sargassi* was transferred to *Hydrolithon*
by Chamberlain (1994). Subsequently, Chihara (2002) cited
‘*Hydrolithon sargassi* f. *parvulum* (T.Masaki) Chihara’;
however, the transfer of *He. sargassi* f. *parvulum* from
Heteroderma to *Hydrolithon* was not validly published.
Therefore, the transfer of *He. sargassi* f. *parvulum* to
Hydrolithon was proposed (p. 142, 143).

Subfamily *Lithophylloideae* Setchell, 1943 イシゴ
ロモ亜科

[= *Amphiroideae* H.W.Johansen, 1969 カニノテ亜科]

Genus *Amphiroa* J.V.Lamouroux, 1812 カニノテ属
Amphiroa anastomosans Weber-van Bosse

Amphiroa anceps (Lamarck) Decaisne カニノテ
[= *Amphiroa dilatata* J.V.Lamouroux カニノテ]

Amphiroa beauvoisii J.V.Lamouroux ウスカワカニ
ノテ (別称: エチゴカニノテ)

[= *Amphiroa zonata* Yendo ウスカワカニノテ]

[= *Amphiroa echigoensis* Yendo エチゴカニノテ]

Amphiroa ephedraea (Lamarck) Decaisne マオウカニ
ノテ

[*Amphiroa gaillonii* auct. non J.V.Lamouroux: Dickie
(1877)]

Amphiroa foliacea J.V.Lamouroux ハイカニノテ

Amphiroa fragilissima (Linnaeus) J.V.Lamouroux ホソエダカニノテ

Amphiroa itonoi Srimanobhas & T.Masaki イトカガリ

Amphiroa misakiensis Yendo ヒメカニノテ

Amphiroa pusilla Yendo ヒナカニノテ

Amphiroa rigida J.V.Lamouroux イソハリ

Amphiroa valonioides Yendo イソハリガネ

Amphiroa yendoi De Toni ミゾカニノテ

[= *Amphiroa canaliculata* Yendo nom. illeg.] *Replaced synonym

Genus *Ezo* W.H.Adey, T.Masaki & Akioka, 1974 シズクイシゴロモ属

Ezo epiyessoense W.H.Adey, T.Masaki & Akioka シズクイシゴロモ

Genus *Lithophyllum* Philippi, 1837 イシゴロモ属

[= *Pseudolithophyllum* Me.Lemoine, 1913]

Lithophyllum absimile Foslie & M.Howe イワノサビ

Note: This species was transferred to *Spongites* by Afonso-Carrillo (1988). Baba & Kato (2023) suggested that this species possibly belongs to a different genus.

Lithophyllum acanthinum Foslie コトゲコブイシモ

Note: Baba & Kato (2023) suggested that this species possibly belongs to a different genus.

Lithophyllum bamleri (Heydrich) Heydrich ヒライタイシモ

Lithophyllum caribaeum f. *boreale* T.Masaki キタニセウミサビモドキ

Note: Baba & Kato (2023) suggested that this species possibly belongs to a different genus.

Lithophyllum cuneatum Keats クサビイシゴロモ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Lithophyllum insipidum W.H.Adey, R.A.Townsend & Boykins カスミイシゴロモ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Lithophyllum jejuensis Kyeong T.Lee & M.S.Kim

Note: Lee *et al.* (2026) identified the '*Lithophyllum* sp.' recorded by Yuhao *et al.* (2023) as *L. jejuensis*.

Lithophyllum kaisereri (Heydrich) Heydrich カイザーイ

シゴロモ

Note: Kato & Baba (2019) recorded this species as a new record for Japan.

Lithophyllum kuroshioense A.Kato & M.Baba ミナミイシモ

[*Lithophyllum kotschyianum* auct. non Unger: Yoshida & Baba (1998) ミナミイシモ]

Note: Formerly, this species identified as *Lithophyllum kotschyianum* in Japan (Yoshida *et al.*, 2015). However, Kato & Baba (2019) demonstrated that the Japanese specimens represent a distinct species from *L. kotschyianum* and described it as *L. kuroshioense* based on the type collected from Bise-zaki, Okinawa Prefecture, Japan.

Lithophyllum nagaokaense Min-Khant-Kyaw, A.Kato & M.Baba ナガオカイシゴロモ

Note: Min-Khant-Kyaw *et al.* (2024b) described this species based on the type collected from Teradomari, Niigata Prefecture, Japan.

Lithophyllum neoatalayense T.Masaki クボミイシゴロモ

Lithophyllum neo-okamurae A.Kato, D.Basso, Caragnano, Rodondi, V.Peña & M.Baba シンヒライボ

[*Lithophyllum fasciculatum* auct. non (Lamarck) Foslie: Yendo (1902) カノコモチ]

[*Lithophyllum okamurae* f. *japonicum* auct. non Foslie: Masaki & Tokida (1963)]

[*Lithophyllum okamurae* auct. non Foslie: Yoshida & Baba (1998)]

Lithophyllum okamurae Foslie ヒライボ

[*Lithophyllum okamurae* f. *angulare* Foslie モンシイシゴロモ]

[*Lithophyllum okamurae* f. *japonicum* Foslie nom. inval. ヒライボ]

Lithophyllum punctatum Foslie ハンテンイシゴロモ

Lithophyllum pygmaeum (Heydrich) Heydrich モルツカイシモ

[= *Lithophyllum moluccense* (Foslie) Foslie モルツカイシモ]

Lithophyllum shioense Foslie ミサキイシゴロモ

Note: Baba & Kato (2023) suggested that this species possibly belongs to a different genus.

Lithophyllum shioense f. *tenuis* T.Masaki キタミサキ

イシゴロモ

Note: Baba & Kato (2023) suggested that this species possibly belongs to a different genus.

Lithophyllum tortuosum (Esper) Foslie ハチノスイシ

Note: *Lithophyllum tortuosum* has been conventionally applied to the Japanese population (Yoshida *et al.*, 2015). While Baba & Kato (2023) noted that the Japanese entity is likely distinct from the Mediterranean type (*Tenarea tortuosa*), and further molecular phylogenetic analysis is required to clarify its taxonomic position.

Lithophyllum yessoense Foslie エゾイシゴロモ***Lithophyllum* sp. 1** クサノカキモドキ

[*Lithophyllum amplexifrons* auct. non (Harvey) Heydrich: Masaki (1968) クサノカキモドキ]
Note: Baba & Kato (2023) noted that the Japanese specimens may not represent *Lithophyllum amplexifrons* and belongs to a different genus. Therefore, it is tentatively treated as '*Lithophyllum* sp.' in the present checklist.

***Lithophyllum* sp. 2** ウミサビモドキ

[*Lithophyllum decipiens* auct. non (Foslie) Foslie: Masaki (1968) ウミサビモドキ]

Note: Historically, *Lithophyllum decipiens* was synonymized with *Spongites yendoi* in Japan (Yoshida *et al.*, 2015). However, Baba & Kato (2023) reinstated it as a distinct species, noting that the Japanese specimens may not represent *L. decipiens* and belongs to a different genus. Therefore, it is tentatively treated as '*Lithophyllum* sp.' in the present checklist.

Genus *Titanoderma* Nägeli in Nägeli & Cramer (1858)

ノリマキ属

[= *Dermatolithon* Foslie, 1898]

Note: Although *Titanoderma* was synonymized with *Lithophyllum* in some studies (e.g., Womersley, 1996), Baba & Kato (2023) reinstated it as a distinct genus.

Titanoderma canescens (Foslie) Woelkerling,

Y.M.Chamberlain & P.C.Silva ソウハン

[= *Melobesia canescens* Foslie]

[= *Lithophyllum canescens* (Foslie) Foslie]

[= *Dermatolithon canescens* (Foslie) Foslie]

Titanoderma corallinae (P.Crouan & H.Crouan)

Woelkerling, Y.M.Chamberlain & P.C.Silva ヒメゴロモ

[= *Dermatolithon corallinae* (P.Crouan & H.Crouan) Foslie]

Titanoderma dispar (Foslie) Woelkerling,

Y.M.Chamberlain & P.C.Silva ノリマキモドキ

[= *Dermatolithon dispar* (Foslie) Foslie]

Titanoderma prototypum (Foslie) Woelkerling,

Y.M.Chamberlain & P.C.Silva ウズマキフチシロ

[= *Titanoderma tessellatum* (Mc.Lemoine) Woelkerling,

Y.M.Chamberlain & P.C.Silva ウズマキフチシロ]

Titanoderma pustulatum (J.V.Lamouroux) Nägeli ヒラ

ノリマキ

[= *Melobesia pustulata* J.V.Lamouroux]

[= *Lithophyllum pustulatum* (J.V.Lamouroux) Foslie]

Titanoderma tumidulum (Foslie) Woelkerling,

Y.M.Chamberlain & P.C.Silva ノリマキ

[= *Lithophyllum tumidulum* Foslie]

[= *Dermatolithon tumidulum* (Foslie) Foslie]

[= *Tenarea tumidulum* (Foslie) W.H.Adey]

[*Lithophyllum amplexifrons* auct. non (Harvey) Heydrich: Yendo (1902) ノリマキ]

Subfamily Metagoniolithoideae H.W.Johansen,

1969 メタゴニオリトン亜科

[= Porolithoideae A.Kato & M.Baba, 2011 アナアキイシモ亜科]

[= Floiophycoideae R.A.Townsend & Huisman, 2018]

Genus *Dawsoniolithon* Caragnano, Foetisch, Maneveldt & Payri in Caragnano *et al.* (2018) ハイイロイシモ属

[= *Oztralia* R.A.Townsend & Huisman nom. illeg.]

Dawsoniolithon conicum (E.Y.Dawson) Caragnano,

Foetisch, Maneveldt & Payri ハイイロイシモ

[= *Paragoniolithon conicum* (E.Y.Dawson) W.H.Adey, R.A.Townsend & Boykins]

[= *Pneophyllum conicum* (E.Y.Dawson) Keats, Y.M.Chamberlain & M.Baba]

Dawsoniolithon orbiculatum (T.Masaki) R.A.Townsend

& Huisman オニハスイシモ

[= *Porolithon orbiculatum* T.Masaki]

[= *Spongites orbiculatus* (T.Masaki) Maneveldt & Keats]

[= *Oztralia orbiculata* (T.Masaki) R.A.Townsend & Huisman]

ム科

Genus *Harveyolithon* A.Rösler, Perfectti, V.Peña & J.C.Braga, 2016 サモアイシゴロモ属 (新称)

Harveyolithon samoënsse (Foslie) A.Rösler, Perfectti, V.Peña & J.C.Braga サモアイシゴロモ

[= *Lithophyllum samoënsse* Foslie]

[= *Hydrolithon samoënsse* (Foslie) Keats &

Y.M.Chamberlain]

Genus *Porolithon* Foslie, 1909 アナアキイシモ属

Porolithon onkodes (Heydrich) Foslie アナアキイシモ

[= *Spongites onkodes* (Heydrich) Penrose & Woelkerling]

[= *Hydrolithon onkodes* (Heydrich) Penrose &

Woelkerling]

***Porolithon* sp.** セトイボイシモ

[*Porolithon boergesenii* auct. non (Foslie) Me.Lemoine:

Masaki (1968) セトイボイシモ]

Note: Baba & Kato (2023) noted that the specimens referred to as *Porolithon boergesenii* by Masaki (1968) do not correspond to this species, and demonstrated that further molecular phylogenetic analysis is required to clarify their taxonomic position. Therefore, it is tentatively treated as '*Porolithon* sp.' in the present checklist.

Family Mastophoraceae R.A.Townsend & Huisman, 2018 イシノハナ科 (新称)

Subfamily Mastophoroideae Setchell, 1943 イシノハナ亜科

Genus *Mastophora* Decaisne, 1842 イシノハナ属

Mastophora pacifica (Heydrich) Foslie コシカイシモ

[*Lithoporella melobesioides* auct. non (Foslie) Foslie:

Masaki (1968) コシカイシモ]

Mastophora rosea (C.Agardh) Setchell イシノハナ

[= *Mastophora macrocarpa* Montagne]

Order Hapalidiales W.A.Nelson, J.E.Sutherland, T.J.Farr & H.S.Yoon in Nelson *et al.* (2015) ハパリディウム目

Family Hapalidiaceae J.E.Gray, 1864 ハパリディウ

Genus *Boreolithothamnion* P.W.Gabrielson, Maneveldt, Hughey & V.Peña, 2023 ボレオリトタムニオン属

Note: Gabrielson *et al.* (2023) transferred *Lithothamnion glaciale* and *L. sonderi* from *Lithothamnion* to *Boreolithothamnion*.

Boreolithothamnion glaciale (Kjellman)

P.W.Gabrielson, Maneveldt, Hughey & V.Peña キタエダイシモ

[= *Lithothamnion glaciale* Kjellman]

[= *Lithothamnion intermedium* Kjellman イボイシモ]

Boreolithothamnion japonicum (Foslie)

S.Y.Jeong, .B.Y.Won, Fredericq & T.O.Cho ミヤベオコシ

[= *Lithothamnion japonicum* Foslie]

[= *Lithothamnion fretense* Foslie カイフオコシ]

Note: Jeong *et al.* (2025) transferred *Lithothamnion japonicum* to *Boreolithothamnion*.

Boreolithothamnion sonderi (Hauck) P.W.Gabrielson, Maneveldt, Hughey & V.Peña イボオコシ

[= *Lithothamnion sonderi* Hauck]

Genus *Choreonema* F.Schmitz, 1889 イシイボ属

Choreonema thuretii (Bornet) F.Schmitz イシイボ

Genus *Lithothamnion* Heydrich, 1897 nom. et typ. cons. イシモ属

Lithothamnion proliferum Foslie ナンカイオコシ

Note: Baba & Kato (2023) reported this species as a new record for Japan..

Lithothamnion spissum Foslie ミサキオコシ

Genus *Magniporophytum* Min-Khant-Kyaw, A.Kato & M.Baba, 2025 マグニポロフィツム属

Magniporophytum epizoicum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2025) described this species based on the type collected from Atada, Yamaguchi Prefecture, Japan.

Magniporophytum variabile Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2025) described this species based on the type collected from Shirasu, Nagasaki Prefecture, Japan.

Genus *Melobesia* J.V.Lamouroux, 1812 サビ属

Melobesia tomitaroi Kloczkova アバタモカサ

[= *Melobesia pacifica* T.Masaki nom. illeg.] *Replaced synonym

[= *Melobesia masakii* M.Baba & T.Yoshida nom. illeg.]

*Superfluous name

Genus *Orientalilithon* Min-Khant-Kyaw, A.Kato & M.Baba, 2025 オリエンタリリトン属

Orientalilithon compactum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2026) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Orientalilithon confluens Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2025) described this species based on the type collected from Shirasu, Nagasaki Prefecture, Japan.

Genus *Phymatolithon* Foslie, 1898 nom. cons. アッケシイシモ属

Phymatolithon lenormandii (Areschoug) W.H.Adey アッケシイシモ

[= *Lithothamnion lenormandii* (Areschoug) Foslie]

Phymatolithon notatum (Foslie) W.H.Adey モンツキイシモ

[= *Lithothamnion notatum* Foslie]

Genus *Roseolithon* L.M.Cout. & Barros-Barreto *in* Coutinho *et al.* (2021) ロセオリトン属

Roseolithon aggregatum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2026) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Roseolithon crispatum (Hauck) P.W.Gabrielson, Maneveldt, Hughey & V.Peña チヂミオコシ

[= *Lithothamnion crispatum* Hauck]

Note: Baba & Kato (2023) recorded *Lithothamnion crispatum* as a new record for Japan. Subsequently, Gabrielson *et al.* (2023) transferred it to *Roseolithon*.

Roseolithon littorale Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2024a) described this species based on the type collected from Amakusa, Kumamoto Prefecture, Japan.

Roseolithon sabulosum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2024a) described this species based on the type collected from Shirasu, Nagasaki Prefecture, Japan.

Roseolithon sparsituberculatum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2026) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Genus *Synarthrophyton* R.A.Townsend, 1979 クサノカキ属

Synarthrophyton chejuense Ji.H.Kim, H.Chung, D.S.Choi & I.K.Lee クサノカキ

[*Lithothamnion cystocarpideum* auct. non Foslie: Masaki (1968) クサノカキ]

Hapalidiaceae gen. et sp. セトイシモ

[*Lithothamnion aculeiferum* auct. non L.R.Mason: Masaki (1968) セトイシモ]

[*Mesophyllum crassiusculum* auct. non (Foslie) Lebednik: Yoshida & Yoshinaga (2010) セトイシモ]

Note: Formerly, this species was identified as *Mesophyllum crassiusculum* or *Lithothamnion aculeiferum* in Japan (Yoshida *et al.*, 2015). However, Baba & Kato (2023) noted that the Japanese specimens do not represent *L. aculeiferum* and do not belong to either *Lithothamnion* or *Mesophyllum*. Therefore, it is tentatively treated as 'Hapalidiaceae gen. et sp.' in the present checklist.

Family *Mesophyllumaceae* C.W.Schneider & M.J.Wynne 2019 メソフィラム科

[= Mesophyllaceae Athanasiadis, 2016 nom. illeg.]

*Replaced synonym

Genus *Clathromorphum* Foslie, 1898 キタイシモ属

Clathromorphum circumscriptum (Strömfelt) Foslie キタイシモ

[*Clathromorphum compactum* auct. non (Kjellman) Foslie: Segawa (1956) キタイシモ]

Clathromorphum compactum (Kjellman) Foslie アナアキキタイシモ

Genus *Leptophytum* W.H.Adey, 1966 レプトフィツム属

Leptophytum laeve W.H.Adey イシモ

Genus *Melyvonnea* Athanasiadis & D.L.Ballantine, 2014 エダウチイシモ属

Melyvonnea canariensis (Foslie) Athanasiadis & D.L.Ballantine カナリアイシモ

[= *Lithothamnion canariense* Foslie]

[= *Mesophyllum canariense* (Foslie) Me.Lemoine]

Melyvonnea erubescens (Foslie) Athanasiadis & D.L.Ballantine エダウチイシモ

[= *Lithothamnion erubescens* Foslie]

[= *Mesophyllum erubescens* (Foslie) Me.Lemoine]

[*Lithothamnion erubescens* f. *madagascarensis* auct. non Foslie: Yendo (1902) エダウチイシモ]

Genus *Mesophyllum* Me.Lemoine, 1928 メソフィラム属

Mesophyllum funafutiense (Foslie) Verheij フナフチオコシ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Mesophyllum inconspicuum (Foslie) W.H.Adey ニチナンオコシ

[= *Lithothamnion inconspicuum* Foslie]

Mesophyllum nitidum (Foslie) W.H.Adey カガヤキイシモ

[= *Lithothamnion nitidum* Foslie]

Mesophyllum simulans (Foslie) Me.Lemoine カワライシモ

[= *Lithothamnion simulans* (Foslie) Foslie]

Note: Athanasiadis & Ballantine (2024) transferred this species from *Mesophyllum* to *Magnephycus*.

Mesophyllum vescum (Foslie) W.H.Adey ヒラオコシ

[= *Lithothamnion vescum* Foslie]

[*Lithothamnion engelhartii* auct. non Foslie: Yendo (1902) ヒラオコシ]

Genus *Neopolyporolithon* W.H.Adey & H.W.Johansen, 1972 カサキノコイシモ属

Neopolyporolithon reclinatum (Foslie) W.H.Adey & H.W.Johansen カサキノコイシモ

[= *Polyporolithon reclinatum* (Foslie) L.R.Mason]

[= *Clathromorphum reclinatum* (Foslie) W.H.Adey]

Order Sporolithales L.Le Gall & G.W.Saunders in Le Gall *et al.* (2010) エンジイシモ目

Family Sporolithaceae Verheij, 1993 エンジイシモ科

Genus *Sporolithon* Heydrich, 1897 エンジイシモ属

Sporolithon durum (Foslie) R.A.Townsend & Woelkerling コブエンジイシモ

Sporolithon episoredion (W.H.Adey, R.A.Townsend & Boykins) Verheij オオエンジイシモ

Note: Baba & Kato (2023) recorded this species as a new record for Japan.

Sporolithon episporum (M.Howe) E.Y.Dawson ヒナエンジイシモ

Sporolithon schmidtii (Foslie) G.D.Gordon, T.Masaki & Akioka ヒメエンジイシモ

Sporolithon variotuberculatum Min-Khant-Kyaw, A.Kato & M.Baba

Note: Min-Khant-Kyaw *et al.* (2026) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Subclass Hildenbrandiophycidae

G.W.Saunders & Hommersand, 2004 ベニマダラ亜綱

Order Hildenbrandiales Pueschel & K.M.Cole,

1982 ベニマダラ目

Family Hildenbrandiaceae Rabenhorst, 1868 ベニマダラ科

Genus *Hildenbrandia* Nardo, 1834 nom. et orth. cons.
ベニマダラ属

Hildenbrandia rubra (Sommerfelt) Meneghini ベニマダラ

[= *Hildenbrandia prototypus* Nardo エンジマダラ]

[= *Hildenbrandia rosea* Kützinger ベニマダラ]

Hildenbrandia yessoensis Yendo エゾベニマダラ

[= *Hildenbrandia occidentalis* var. *yessoensis* (Yendo) Ardé]

Subclass Nemaliophycidae T.A.Christensen,
1978 ウミゾウメン亜綱

Order Acrochaetiales Feldmann, 1953 アクロカエティウム目

Family Acrochaetiaceae Melchior in Melchior & Werdermann (1954) アクロカエティウム科

Genus *Acrochaetium* Nägeli in Nägeli & Cramer (1858)
アカロカエティウム属

[= *Rhodochortonopsis* Yamada, 1944 カイメンシバリ属]

[= *Liagorophila* Yamada, 1944 リアゴロフィラ属]

[= *Chromastrum* Papenfuss, 1945]

Note: Historically, some species were treated as a member of *Audouinella* in Japan (Yoshida *et al.*, 2015). However, Harper & Saunders (2002) and Saunders *et al.* (2017) demonstrated that *Audouinella* species are restricted to freshwater, and that the marine species previously assigned to *Audouinella* belong to *Acrochaetium*, *Colaonema*, or *Rhodochorton*.

Acrochaetium alariae (S.Jónsson) Bornet

[= *Audouinella alariae* (S.Jónsson) Woelkerling]

Acrochaetium barbadense (Vickers) Børgesen

[= *Acrochaetium occidentale* Børgesen]

[= *Audouinella occidentalis* (Børgesen) Garbary]

[= *Acrochaetium toyamaense* Noda & S.Honda]

Note: Although this species was identified as *Audouinella occidentalis* in Japan (Yoshida *et al.*, 2015), Abbott (1962) had previously synonymized it (as *Acrochaetium occidentale*) with *Ac. barbadense*. Accordingly, *Ac. toyamaense* should be re-synonymized with *Ac. barbadense*.

Acrochaetium catenulatum M.Howe

[= *Rhodochorton catenulatum* (M.Howe) Y.Nakamura]

[= *Audouinella catenulata* (M.Howe) Garbary]

[= *Rhodochorton densum* K.M.Drew]

[= *Acrochaetium densum* (K.M.Drew) Papenfuss]

[= *Audouinella densa* (K.M.Drew) Garbary]

[*Acrochaetium arcuatum* auct. non (K.M.Drew) C.K.Tseng: Noda & Konno (1981)]

Acrochaetium howei (Yamada) Papenfuss ミルノベニ

[= *Rhodochorton howei* Yamada]

[= *Audouinella howei* (Yamada) Garbary]

[= *Rhodochorton affine* Yamada nom. illeg.] *Replaced synonym

Acrochaetium humile (Rosenvinge) Børgesen

[= *Audouinella humilis* (Rosenvinge) Garbary]

[= *Acrochaetium radiatum* C.C.Jao]

Acrochaetium immersum (Rosenvinge) Hamel

[= *Chantransia immersa* Rosenvinge]

[= *Audouinella immersa* (Rosenvinge) South & Tittley]

Acrochaetium japonicum Papenfuss ベニマユダマ

[= *Audouinella japonica* (Papenfuss) Garbary]

[= *Colaonema simplex* Inagaki] *Replaced synonym

Acrochaetium kurogii (Y.P.Lee & S.C.Lindstrom)

Y.P.Lee & I.K.Lee ハネベニノイト

[= *Audouinella kurogii* Y.P.Lee & S.C.Lindstrom]

[= *Chromastrum kurogii* (Y.P.Lee & S.C.Lindstrom) Kuiper]

Acrochaetium macropus Kylin

[= *Audouinella macropus* (Kylin) Garbary]

Acrochaetium microscopicum (Nägeli ex Kützinger) Nägeli

[= *Audouinella microscopica* (Nägeli ex Kützinger)

Woelkerling]

Acrochaetium moniliforme (Rosenvinge) Børgesen

Note: Although Yoshida (1998) treated this species as a synonym of *Audouinella microscopica*, Stegenga (1985)

had previously reinstated it as a distinct species.

Acrochaetium plumosum (K.M.Drew) G.M.Smith

[= *Rhodochorton plumosum* K.M.Drew]

[= *Audouinella plumosa* (K.M.Drew) Garbary]

Acrochaetium polysporum M.Howe

[= *Audouinella polyspora* (M.Howe) Garbary]

Acrochaetium ryukyuense (Y.Nakamura) Papenfuss

[= *Rhodochorton ryukyuense* Y.Nakamura]

[= *Audouinella ryukyuensis* (Y.Nakamura) Garbary]

Acrochaetium sanctae-thomae Børgesen

[= *Rhodochorton sanctae-thomae* (Børgesen) Y.Nakamura]

[= *Audouinella sanctae-thomae* (Børgesen) Garbary]

Acrochaetium sargassicaulinum Noda

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Acrochaetium secundatum (Lyngbye) Nägeli

[= *Chantransia secundata* (Lyngbye) Thuret]

[= *Audouinella secundata* (Lyngbye) P.S.Dixon]

Acrochaetium sessile (Y.Nakamura) Y.P.Lee

[= *Rhodochorton sessile* Y.Nakamura]

[= *Chromastrum sessile* (Y.Nakamura) Papenfuss]

[= *Kylinia sessilis* (Y.Nakamura) Papenfuss]

[= *Audouinella sessilis* (Y.Nakamura) Garbary]

Acrochaetium spongicola Weber-van Bosse カイメンシノバリ

[= *Rhodochortonopsis spongicola* Yamada カイメンシノバリ]

Acrochaetium terminale (Y.Nakamura) Y.P.Lee

[= *Rhodochorton terminale* Y.Nakamura]

[= *Audouinella terminalis* (Y.Nakamura) Garbary]

[= *Kylinia terminalis* (Y.Nakamura) Noda & K.Konno]

Acrochaetium yamadae (Garbary) Y.P.Lee & I.K.Lee

[= *Liagorophila endophytica* Yamada] *Replaced synonym

Genus *Kylinia* Rosenvinge, 1909 チリニア属

Kylinia rosulata Rosenvinge

[= *Acrochaetium strictum* (Rosenvinge) Hamel]

[= *Colaconema strictum* (Rosenvinge) R.Nielsen]

Note: Historically, this species was treated as a member of

Colaconema in Japan (Yoshida *et al.*, 2015). However,

Athanasiadis (2016) synonymized it with *Kylinia rosulata*.

Family Rhodochortonaceae Nasr, 1947 ロドコルトン科

Note: Saunders *et al.* (2017) assigned *Rhodochorton* to this family.

Genus *Rhodochorton* Nägeli, 1862 nom. et typ. cons.

ロドコルトン属

Rhodochorton callithamnioides Y.Nakamura

[= *Audouinella callithamnioides* (Y.Nakamura) Garbary]

Rhodochorton purpureum (Lightfoot) Rosenvinge

[= *Audouinella purpurea* (Lightfoot) Woelkerling]

[= *Rhodochorton rothii* (Turton) Nägeli]

Order Colaconematales J.T.Harper &

G.W.Saunders, 2002 コラコネマ目

Family Colaconemataceae J.T.Harper &

G.W.Saunders, 2002 コラコネマ科

Genus *Colaconema* Batters, 1896 コラコネマ属

Colaconema attenuatum (Rosenvinge) R.Nielsen

[= *Rhodochorton attenuatum* (Rosenvinge) Y.Nakamura]

[= *Audouinella attenuata* (Rosenvinge) Garbary]

Colaconema caespitosum (J.Agardh) Jackelman,

Stegenga & J.J.Bolton

[= *Rhodochorton codii* (Hamel) Y.Nakamura]

[= *Audouinella codii* (Hamel) G.Furnari]

[= *Colaconema codii* (Hamel) I.K.Hwang & H.S.Kim]

Colaconema codicola (Børgesen) Stegenga, J.J.Bolton &

R.J.Anderson ベニミルゴロモ (新称)

[= *Rhodochorton codicola* (Børgesen) Y.Nakamura]

[= *Audouinella codicola* (Børgesen) Garbary]

Colaconema dictyotae (Collins) I.K.Hwang & H.S.Kim

[*Rhodothamniella dictyotae* (Collins) Yoshizaki nom. inval.]

Note: Yoshizaki (1998a) recorded this species as

Rhodothamniella dictyotae. The name *R. dictyotae* is

invalid under ICN Art. 41.1 (Turland *et al.*, 2025) as the

basionym was not cited by Yoshizaki (1998a).

Colaconema furcatum Tak.Tanaka ヨナクニマユダマ

Colaconema hyalosiphoniae (Y.Nakamura) I.K.Hwang
& H.S.Kim

[= *Rhodochorton hyalosiphoniae* Y.Nakamura]

[= *Acrochaetium hyalosiphoniae* (Y.Nakamura) Papenfuss]

[= *Audouinella hyalosiphoniae* (Y.Nakamura) Garbary]

[*Rhodochorton daviesii* auct. non (Dillwyn) K.M.Drew:
Nakamura (1944)]

[*Audouinella daviesii* auct. non (Dillwyn) Woelkerling: Lee
(1987)]

[*Colaconema daviesii* auct. non (Dillwyn) Stegenga:
Yoshida *et al.* (2015)]

Colaconema hypneae (Børgesen) A.A.Santos &
C.W.N.Moura

[= *Audouinella hypneae* (Børgesen) G.W.Lawson &
D.M.John]

[= *Rhodochorton seriatum* (Børgesen) Y.Nakamura]

[= *Audouinella seriata* (Børgesen) Garbary]

Colaconema infestans (M.Howe & Hoyt) Woelkerling

[= *Rhodochorton infestans* (M.Howe & Hoyt) K.M.Drew]

[= *Audouinella infestans* (M.Howe & Hoyt) P.S.Dixon]

Colaconema rhizoideum (K.M.Drew) P.W.Gabrielson

[= *Rhodochorton rhizoideum* K.M.Drew]

[= *Audouinella rhizoidea* (K.M.Drew) Garbary]

Colaconema robustum (Børgesen) Huisman &
Woelkerling

[= *Acrochaetium robustum* Børgesen]

[= *Rhodochorton robustum* (Børgesen) K.M.Drew]

[= *Audouinella robusta* (Børgesen) Garbary]

Note: Huisman & Woelkerling (2018) transferred
Audouinella robusta to *Colaconema*.

Colaconema scinaiae (E.Y.Dawson) J.N.Norris

[= *Acrochaetium scinaiae* E.Y.Dawson]

Order Nemaliales F.Schmitz *in* Engler (1892) ウミ
ゾウメン目

Note: The classification of suborders within the Nemaliales
is based on Costa *et al.* (2016).

Suborder Galaxaurineae J.F.Costa, Showe M.Lin,
Macaya, C.Fernández-García & Verbruggen, 2016 ガラ
ガラ亜目 (新称)

Family Galaxauraceae P.G.Parkinson, 1983 ガラガ
ラ科

Genus *Actinotrichia* Decaisne, 1842 ソデガラミ属

Actinotrichia fragilis (Forsskål) Børgesen ソデガラミ

[= *Actinotrichia rigida* (J.V.Lamoureaux) Decaisne ソデガ
ラミ]

Actinotrichia robusta Itono シマソデガラミ

Genus *Dichotomaria* Lamarck, 1816 ヒラガラガラ属

[= *Brachycladia* Sonder, 1855 ガラガラモドキ属]

Dichotomaria apiculata (Kjellman) A.Kurihara &

Masuda ギボウシガラガラ

[= *Galaxaura apiculata* Kjellman]

[= *Galaxaura hystrix* Kjellman ヘラガラガラ]

Dichotomaria elegans (Tak.Tanaka) S.Fontana,

W.L.Wang & Sh.L.Liu nom. inval. ヒメガラガラ

Note: Fontana *et al.* (2024) demonstrated that the *rbcL*
sequence of '*D. marginata*' collected from Hachijo Island,
Japan by Kurihara *et al.* (2005), matches *D. elegans*. The
name *D. elegans* was invalidly published under ICN Art.
41.5 (Turland *et al.*, 2025) because Fontana *et al.* (2024)
failed to cite the basionym correctly.

Dichotomaria falcata (Kjellman) A.Kurihara & Masuda

ヒラガラガラ

[= *Galaxaura falcata* Kjellman]

[*Brachycladia australis* auct. non Sonder: De Toni (1895)]

[*Brachycladia marginata* auct. non (J.Ellis & Solander)

F.Schmitz: Okamura (1902) ガラガラモドキ]

Dichotomaria latifolia (Tak.Tanaka) S.Fontana,

W.L.Wang & Sh.L.Liu nom. inval. ヒロハガラガラ

[= *Galaxaura latifolia* Tak.Tanaka]

Note: This species has not been recorded since Shinmura
(1990 as *Galaxaura latifolia*). Subsequently, Suzuki &
Terada (2025) recorded it from offshore Tanegashima
Island, Japan. The name *D. latifolia* was invalidly
published under ICN Art. 41.5 (Turland *et al.*, 2025)
because Fontana *et al.* (2024) failed to cite the basionym
correctly.

Dichotomaria marginata (J.Ellis & Solander) Lamarck

ホソバガラガラ

[= *Galaxaura marginata* (J.Ellis & Solander)

J.V.Lamouroux]

[= *Galaxaura clavigera* Kjellman アツバガラガラ]

[= *Galaxaura veprecula* Kjellman ウスバガラガラ]

[= *Galaxaura stupocaulon* Kjellman]

[= *Galaxaura ventricosa* Kjellman]

[= *Galaxaura yaeyamensis* Tak.Tanaka ウスユキガラガラ]

Dichotomaria obtusata (J.Ellis & Solander) Lamarck フクロガラガラ

[= *Galaxaura obtusata* (J.Ellis & Solander)

J.V.Lamouroux]

[= *Galaxaura robusta* Kjellman ジュズガラガラ]

Dichotomaria papillata (Kjellman) A.Kurihara & Masuda パピラガラガラ

[= *Galaxaura papillata* Kjellman]

Dichotomaria spathulata (Kjellman) A.Kurihara & Huisman

[= *Galaxaura arborea* Kjellman ホソバガラガラ]

Genus *Galaxaura* J.V.Lamouroux, 1812 ビロードガラガラ属

Galaxaura articulata Tak.Tanaka クダガラガラ

Galaxaura contigua Kjellman

Galaxaura divaricata (Linnaeus) Huisman &

R.A.Townsend ビロードガラガラ

[= *Galaxaura fasciculata* Kjellman ビロードガラガラ]

Galaxaura elongata J.Agardh ナガラガラ

Note: Historically, this species was synonymized with *G. rugosa* in Japan (Yoshida *et al.*, 2015). However, Huisman *et al.* (2018) recognized it as a distinct species.

Galaxaura filamentosa R.C.Y.Chou フサガラガラ

[*Galaxaura rudis* auct. non Kjellman: Okamura (1902) フサガラガラ]

Galaxaura glabriuscula J.Agardh ツヤガラガラ

Note: Historically, this species was synonymized with *G. rugosa* in Japan (Yoshida *et al.*, 2015). However, Huisman *et al.* (2018) recognized it as a distinct species.

Galaxaura kjellmanii Weber-van Bosse サメハダガラガラ

[*Galaxaura tenera* auct. non Kjellman: Okamura (1930)]

Galaxaura pacifica Tak.Tanaka チャボガラガラ

Galaxaura rugosa (J.Ellis & Solander) J.V.Lamouroux コフサガラガラ

[= *Galaxaura lapidescens* (J.Ellis & Solander)

J.V.Lamouroux モツレガラガラ]

[= *Galaxaura subverticillata* Kjellman シマガラガラ]

[= *Galaxaura delabida* Kjellman モツレガラガラ]

[= *Galaxaura fruticulosa* Kjellman nom. illeg. モサガラガラ]

[= *Galaxaura cuculligera* Kjellman ツクシガラガラ]

[= *Galaxaura subfruticulosa* R.C.Y.Chou]

Galaxaura yamadae Itono タイラガラガラ

Genus *Tricleocarpa* Huisman & Borowizka 1990 ガラガラ属

Tricleocarpa fragilis (Linnaeus) Huisman &

R.A.Townsend ナンキガラガラ

[= *Galaxaura oblongata* (J.Ellis & Solander)

J.V.Lamouroux ナンキガラガラ]

Tricleocarpa jejuensis Wiriyadamrikul, Geraldino, Huisman, Lewmanomont & S.M.Boo ガラガラ

[*Galaxaura spongiosa* auct. non Kützing: Martens (1868)]

[*Galaxaura fragilis* auct. non (Lamarck) J.V.Lamouroux: Okamura (1897)]

[*Galaxaura fastigiata* auct. non Decaisne: Okamura (1902) ガラガラ]

[*Galaxaura schimperi* auct. non Decaisne: Okamura (1916)]

[*Galaxaura pilifera* auct. non Kjellman: Itono (1977)]

[*Galaxaura cylindrica* auct. non (J.Ellis & Solander)

J.V.Lamouroux: Itono (1977)]

[*Tricleocarpa cylindrica* auct. non (J.Ellis & Solander)

Huisman & Borowitzka: Yoshida (1998) ガラガラ]

Family Scinaiaceae Huisman, J.T.Haper & G.W.Saunders, 2004 フサノリ科

Genus *Scinaia* Bivona-Bernaldi, 1822 フサノリ属

[= *Ginnania* Montagne, 1841]

[= *Pseudogloiophloeia* Levring, 1956 ニセフサノリ属]

Scinaia flabellata Kajimura コノテフサノリ

Scinaia hormoides Setchell ツブフサノリ

Scinaia japonica Setchell フサノリ

[*Ginnania furcellata* auct. non (Turner) Zanardini: Dickie (1876) p.p.]

[*Scinaia furcellata* auct. non (Turner) J.Agardh: De Toni (1895) p.p. フサノリ]

Scinaia johnstoniae Setchell トキダフサノリ

[= *Scinaia tokidae* Kajimura トキダフサノリ]

Note: Historically, this species was identified as *Scinaia tokidae* in Japan (Yoshida *et al.*, 2015); however, León-Cisneros *et al.* (2009) had previously synonymized it with *S. johnstoniae*.

Scinaia latifrons M.Howe ヒラフサノリ

[= *Scinaia cottonii* Setchell ヒラフサノリ]

Scinaia moniliformis J.Agardh ジュズフサノリ

Scinaia okamurae (Setchell) Huisman ニセフサノリ

[= *Gloiophloea okamurae* Setchell]

[= *Pseudogloiophloea okamurae* (Setchell) Chihara]

[*Ginnania furcellata* auct. non (Turner) Zanardini: Dickie (1876) p.p.]

[*Scinaia furcellata* auct. non (Turner) J.Agardh: De Toni (1895) p.p. フサノリ (p.p.)]

Scinaia okiensis Kajimura オキフサノリ

Scinaia pseudomoniliformis Kajimura ジュズフサノリ
モドキ

Suborder Nemaliineae J.F.Costa, Showe M.Lin, Macaya, C.Fernández-García & Verbruggen, 2016 ウミゾウメン亜目 (新称)

Family Liagoraceae Kützinger, 1843 コナハダ科

[= Helminthocladiaceae J.Agardh, 1851 ベニモズク科]

[= Dermonemataceae (F.Schmitz & Hauptfleish)

I.A.Abbott, 1976 カサマツ科]

Genus Akalaphycus Huisman, I.A.Abbott & A.R.Sherwood, 2004 コナハダモドキ属

Akalaphycus liagoroides (Yamada) Huisman, I.A.Abbott & A.R.Sherwood コナハダモドキ

[= *Rhodopeltis liagoroides* Yamada]

[= *Stenopeltis liagoroides* (Yamada) Itono & Yoshizaki]

Akalaphycus setchelliae (Yamada) Huisman, I.A.Abbott & A.R.Sherwood ナンバンガラガラモドキ

[= *Rhodopeltis setchelliae* Yamada]

[= *Stenopeltis setchelliae* (Yamada) Itono & Yoshizaki]

Genus Dermonema Harvey ex Heydrich, 1894 カサマツ属

Dermonema divaricatum Okamura & Segawa シマカサマツ

Dermonema pulvinatum (Grunow ex Holmes) K.C.Fan カモガシラノリ

[= *Nemalion pulvinatum* Grunow ex Holmes]

Dermonema virens (J.Agardh) Pedroche & Ávila Ortiz カサマツ

[= *Dermonema dichotomum* Harvey ex Heydrich カサマツ]

[= *Dermonema gracile* (Kützinger) F.Schmitz カサマツ]

[= *Dermonema frappieri* (Montagne & Millardet) Børgesen カサマツ]

Genus Dotyophycus I.A.Abbott, 1976 ニセコナハダ属

Dotyophycus yamadae (Ohmi & Itono) I.A.Abbott & Yoshizaki ニセコナハダ

[= *Liagoropsis yamadae* Ohmi & Itono]

Genus Gananema K.C.Fan & Yung C.Wang, 1974 ケコナハダ属

Gananema farinosum (J.V.Lamouroux) K.C.Fan & Yung C.Wang ケコナハダ

[= *Liagora farinosa* J.V.Lamouroux]

[= *Liagora cheyneana* Harvey ケコナハダ]

Gananema pinnatiramosum (Yamada) K.C.Fan & Yung C.Wang ケハネコナハダ (新称)

[= *Liagora farinosa* f. *pinnatiramosa* Yamada]

Gananema pinnatum (Harvey) Huisman ハネコナハダ

[= *Liagora pinnata* Harvey]

[*Liagora papenfussii* auct. non I.A.Abbott: Yoshida *et al.* (1985) ハネコナハダ]

Genus Helminthocladia J.Agardh, 1851 nom. cons. ベニモズク属

Helminthocladia australis Harvey ベニモズク

[= *Helminthocladia macrocephala* Yamada シマベニモズク]

[*Helminthocladia purpurea* auct. non (Harvey) J.Agardh:

Narita (1918) ベニモズクモドキ]

Helminthocladia yendoana S.Narita ホソベニモズク

Genus *Helminthora* J.Agardh, 1851 nom. cons. ベニモズクダマシ属 (新称)

Helminthora nipponica S.Narita ベニモズクダマシ

Note: This species has not been recorded in Japan since Narita (1936). Subsequently, Kitayama & Kiyosue (2019) pointed out that it appears to have been overlooked in Japanese algal flora.

Genus *Hommersandiphycus* Showe M.Lin & Huisman in Lin *et al.* (2014) フクレコナハダ属

Hommersandiphycus clavatus (Yamada) Showe M.Lin & Huisman フクレコナハダ

[= *Liagora clavata* Yamada]

[= *Ganonema clavatum* (Yamada) Huisman]

Genus *Izziella* Doty, 1978 フサコナハダ属

Izziella orientalis (J.Agardh) Huisman & Schils フサコナハダ

[= *Liagora orientalis* J.Agardh]

[= *Liagora tanakae* I.A.Abbott]

Genus *Liagora* J.V.Lamouroux, 1812 コナハダ属

Liagora albicans J.V.Lamouroux キブリコナハダ

[= *Liagora decussata* Montagne キブリコナハダ]

Liagora boergesenii Yamada スジコナハダ

Liagora boninensis Yamada ボニンコナハダ

Liagora ceranoides J.V.Lamouroux コナハダ

[= *Liagora leprosa* J.Agardh]

[= *Liagora ceranoides* f. *leprosa* (J.Agardh) Yamada アオコナハダ]

[= *Liagora ceranoides* f. *pulverulenta* (C.Agardh) Yamada コナハダ]

Liagora fragilis Zanardini ヨコジマコナハダ (新称)

Liagora hawaiiiana Butters キヌコナハダ (新称)

Liagora robusta Yamada タチコナハダ

Liagora segawae Yamada ミゾコナハダ

Genus *Otohimella* Mas.Suzuki in Suzuki *et al.* (2016)

オトヒメコナハダ属 (新称)

Otohimella japonica (Yamada) Mas.Suzuki, T.Segawa, Hi.Mori & Nozaki ヨゴレコナハダ

[= *Liagora japonica* Yamada]

[*Liagora cliftoni* auct. non (Harvey) J.Agardh: Yendo (1916)]

Genus *Patenocarpus* Yoshizaki, 1987 フサナリコナハダ属 (新称)

Patenocarpus paraphysiferus Yoshizaki フサナリコナハダ (新称)

Genus *Stenopeltis* Itono & Yoshizaki, 1992 ホソバノガラガラモドキ属 (旧称: サンゴモドキ属)

Stenopeltis gracilis (Yamada & Tak.Tanaka) Itono & Yoshizaki ホソバノガラガラモドキ

[= *Rhodopeltis gracilis* Yamada & Tak.Tanaka]

Genus *Titanophycus* Huisman, G.W.Saunders & A.R.Sherwood, 2006 イシハダ属

Titanophycus setchellii (Yamada) Showe M.Lin, S.Y.Yang & Huisman イシハダ

[= *Liagora setchellii* Yamada]

[*Liagora valida* auct. non Harvey: Okamura (1916) イシハダ]

[*Titanophycus validus* auct. non (Harvey) Huisman, G.W.Saunders & A.R.Sherwood: Yoshida & Yoshinaga (2010) イシハダ]

Genus *Trichogloea* Kützinger, 1847 アケボノモズク属
Trichogloea requienii (Montagne) Kützinger アケボノモズク

[= *Trichogloea papenfussii* Tak.Tanaka ヨゴレアケボノモズク]

[*Trichogloea lubrica* auct. non J.Agardh: De Toni (1897) アケボノモズク]

Genus *Trichogloeopsis* I.A.Abbott & Doty, 1960 スルハダ属

Trichogloeopsis mucosissima (Yamada) I.A.Abbott & Doty スルハダ

[= *Liagora mucosissima* Yamada]

Genus *Yoshizakia* Showe M.Lin, Huisman & Payri,
2013 ヨシザキコナハダ属 (新称)

Yoshizakia indopacifica Showe M.Lin, Huisman & Payri
ヨシザキコナハダ

Note: Kitayama & Lin (2016) recorded this species as a
new record for Japan.

Family Nemaliaceae De Toni & Levi-Morenos, 1886
ウミゾウメン科

Genus *Nemalion* Duby, 1830 ウミゾウメン属

Nemalion multifidum (Lyngbye) Chauvin ツクモノリ

Nemalion vermiculare Suringar ウミゾウメン

[*Nemalion lubricum* auct. non Duby: Okamura (1902) ウ
ミゾウメン]

[*Nemalion elminthoides* auct. non (Velley) Batters: Inagaki
(1933) ウミゾウメン]

[*Nemalion elminthoides* var. *vermiculare* (Suringar)
C.K.Tseng nom. inval.]

Family Yamadaellaceae Showe M.Lin, Rodríguez-
Prieto & Huisman in Lin *et al.* (2015) ハイコナハダ科
(新称)

Genus *Yamadaella* I.A.Abbott, 1970 ハイコナハダ属
Yamadaella caenomyce (Decaisne) I.A.Abbott ハイコ
ナハダ

[= *Liagora caenomyce* Decaisne]

[= *Liagora rugosa* Zanardini フシコナハダ]

[*Liagora annulata* auct. non J.Agardh: Yendo (1917)]

Order Palmariales Guiry & D.E.G.Irvine, 1978 ダ
ルス目

Family Meiodiscaceae Clayden & G.W.Saunders,
2010 メイオディスクス科

Genus *Meiodiscus* G.W.Saunders & McLachlan, 1991
メイオディスクス属

Meiodiscus spetsbergensis (Kjellman) G.W.Saunders &
McLachlan

[= *Rhodochorton spetsbergense* (Kjellman) Kjellman]

Genus *Rubrointrusa* Clayden & G.W.Saunders, 2010
ルブロイントルサ属

Rubrointrusa membranacea (Magnus) Clayden &
G.W.Saunders

[= *Rhodochorton membranaceum* (Magnus) Hauck]

Family Palmariaceae Guiry, 1974 ダルス科

Genus *Devaleraea* Guiry, 1982 ダルス属 (改称; 旧
称: ホソベニフクロノリ属)

Devaleraea firma (Postels & Ruprecht) Selivanova カ
タベニフクロノリ

[= *Halosaccion firmum* (Postels & Ruprecht) Kützing]

Note: Selivanova (2016) transferred *Halosaccion firmum* to
Devaleraea.

Devaleraea inkyuleei Skriptsova & Mas.Suzuki ダルス
[*Rhodymenia palmata* auct. non (Linnaeus) Greville: Yendo
(1911) ダルス]

[*Rhodymenia palmata* f. *sarniensis* auct. non (Mertens)
Kjellman: Okamura (1937)]

[*Palmaria palmata* auct. non (Linnaeus) F.Weber &
D.Mohr: Lee (1978) ダルス]

Note: Historically, this species identified as *Palmaria
palmata* in Japan (Yoshida *et al.*, 2015). However,
Skriptsova *et al.* (2022) demonstrated that the Japanese and
Russian specimens represent a distinct species from *P.
palmata* and described it as *Devaleraea inkyuleei* based on
the type collected from Muroran, Hokkaido Prefecture,
Japan.

Devaleraea marginicrassa (I.K.Lee) Skriptsova &
T.Kalita アツバダルス

[= *Palmaria marginicrassa* I.K.Lee]

Note: Skriptsova & Kalita (2020) transferred *Palmaria
marginicrassa* to *Devaleraea*.

Devaleraea ramentacea (Linnaeus) Guiry ホソベニフ
クロノリ

[= *Halosaccion ramentaceum* (Linnaeus) J.Agardh]

Note: Historically, this species was treated as a member of
Halosaccion in Japan (Yoshida *et al.*, 2015). However,
Saunders *et al.* (2017) reinstated it as a member of

Devaleraea.

Genus *Halosaccion* Kützing, 1843 ベニフクロノリ属

Halosaccion yendoi I.K.Lee ベニフクロノリ

[= *Devaleraea yendoi* (I.K.Lee) Guiry]

[*Halosaccion saccatum* auct. non (Lepechin) Kützing:

Yendo (1909) ベニフクロノリ]

Family Rhodophysemataceae G.W.Saunders &

McLachlan, 1990 フチトリベニ科

Genus *Pseudorhododiscus* Masuda, 1976 ベニゴロモ属

Pseudorhododiscus nipponicus Masuda ベニゴロモ

Genus *Rhodonematella* Clayden & G.W.Saunders, 2010

ロドネマテラ属

Rhodonematella subimmersa (Setchell & N.L.Gardner)

Clayden & G.W.Saunders

[= *Rhodochorton subimmersum* Setchell & N.L.Gardner]

[= *Audouinella subimmersa* (Setchell & N.L.Gardner)

Garbary & Rueness]

Genus *Rhodophysema* Batters, 1900 フチトリベニ属

[= *Rhododermis* P.Crouan & H.Crouan, 1851 nom. illeg.]

Rhodophysema elegans (P.Crouan & H.Crouan ex

J.Agardh) P.S.Dixon ウスフチトリベニ

[= *Rhododermis elegans* P.Crouan & H.Crouan ex

J.Agardh]

Rhodophysema georgei Batters フチトリベニ

[= *Rhododermis georgei* (Batters) Collins]

[= *Rhododermis georgei* var. *fucicola* Tokida モツキフチ

トリベニ]

[= *Rhodophysema georgei* var. *fucicola* (Tokida)

Perestenko]

Rhodophysema odonthaliae Masuda & Ohta ヒメフチ

トリベニ

Genus *Rhodophysemopsis* Masuda, 1976 フチトリベニ

モドキ属

Rhodophysemopsis laminariae Masuda フチトリベニ

モドキ

Subclass Rhodymeniophycidae

G.W.Saunders & Hommersand, 2004 マサゴシバリ亜綱

Order Acrosymphytales Withall & G.W.Saunders,

2007 アクロシンフィトン目

Family Schimmelmanniaceae G.W.Saunders &

Kraft, 2016 ナガオバネ科

Note: Saunders *et al.* (2016) described this family and transferred *Gloeophycus* and *Schimmelmannia* to this family.

Genus *Gloeophycus* I.K.Lee & S.A.Yoo, 1979 オトヒ

メモズク属

Gloeophycus koreanus I.K.Lee & S.A.Yoo オトヒメモ

ズク

Genus *Schimmelmannia* Schousboe ex Kützing, 1849

ナガオバネ属

[= *Baylesia* Setchell, 1912 ナガオバネ属]

Schimmelmannia benzaiteniana (Setchell) M.Hoshino,

C.Ino, Kitayama & Kogame ナガオバネ

[*Baylesia plumosa* auct. non Setchell: Okamura (1927) ナガオバネ]

[*Schimmelmannia plumosa* auct. non (Setchell) I.A.Abbott: Abbott (1961) p.p. ナガオバネ]

Note: Historically, this species was identified as *S. plumosa* in Japan (Yoshida *et al.*, 2015). However, Hoshino *et al.* (2020b) demonstrated that the Japanese specimens represent a distinct species from *S. plumosa* and described it as *S. benzaiteniana* based on the type collected from Enoshima, Kanagawa Prefecture, Japan.

Order Bonnemaisoniales Feldmann & Feldmann-

Mazoyer, 1942 カギノリ目 (別称: カギケノリ目)

Family Bonnemaisoniaceae F.Schmitz in Engler

(1892) カギノリ科 (別称: カギケノリ科)

Genus *Asparagopsis* Montagne, 1840 カギケノリ属

[= *Falkenbergia* F.Schmitz, 1897]

Asparagopsis taxiformis (Delile) Trevisan カギケノリ

[= *Asparagopsis sanfordiana* Harvey カギケノリ]

[= *Falkenbergia hillebrandii* (Bornet) Falkenberg]

[*Falkenbergia rufolanosa* auct. non (Harvey) F.Schmitz:
Yendo (1916)]

Genus *Bonnemaisonia* C.Agardh, 1822 カギノリ属

[= *Trailliella* Batters, 1896 タマノイト属]

Bonnemaisonia hamifera Hariot カギノリ

[= *Asparagopsis hamifera* (Hariot) Okamura]

[= *Trailliella intricata* Batters タマノイト]

Genus *Delisea* J.V.Lamouroux, 1819 タマイタダキ属

Delisea japonica Okamura タマイタダキ

[*Delisea pulchra* auct. non (Greville) Montagne: De Toni
(1895) タマイタダキ]

[*Delisea fimbriata* auct. non (J.V.Lamouroux)

J.V.Lamouroux: Chihara (1962) タマイタダキ]

Genus *Ptilonia* (Harvey) J.Agardh, 1852 ヒロハタマイ
タダキ属

Ptilonia okadae Yamada ヒロハタマイタダキ

[= *Delisea okadae* (Yamada) Chihara]

Order Ceramiales Nägeli, 1847 イギス目

Note: The classification of families within the Ceramiales
is based on Díaz-Tapia *et al.* (2019).

Family Callithamniaceae Kützinger, 1843 キヌイト
グサ科

[= Spyridiaceae J.Agardh, 1851 ウブゲグサ科]

Note: The classification of tribes within the

Callithamniaceae is based on Díaz-Tapia *et al.* (2019).

Tribe Callithamnieae J.Agardh, 1851 キヌイトグサ連

Genus *Aglaothamnion* Feldmann-Mazoyer, 1941 キヌ
イトグサ属

Aglaothamnion callophyllidicola (Yamada) S.M.Boo,

I.K.Lee, Rueness & T.Yoshida キヌイトグサ

[= *Callithamnion callophyllidicola* Yamada]

[= *Callithamnion minutissimum* Yamada nom. illeg. ヒナ
ノキヌイトグサ]

Aglaothamnion cordatum (Børgesen) Feldmann-
Mazoyer

[= *Aglaothamnion neglectum* Feldmann-Mazoyer]

Aglaothamnion okiense Kajimura オキアグラオタム
ニオン

Aglaothamnion oosumiense Itono

[= *Callithamnion oosumiense* (Itono) Kajimura]

Aglaothamnion tenuissimum (Bonnemaisonia) Feldmann-
Mazoyer

[= *Callithamnion furcellariae* J.Agardh]

[= *Aglaothamnion furcellariae* (J.Agardh) Feldmann-
Mazoyer]

Genus *Callithamnion* Lyngbye, 1819 カリタムニオン
属

Callithamnion aglaothamnioides Itono

Callithamnion corymbosum (Smith) Lyngbye オイワ
ケキヌイトグサ

Callithamnion japonicum Noda カマガタイトグサ

Callithamnion nipponicum Noda タンシキヌイトグ
サ

Tribe Crouanieae F.Schmitz & Hauptfleisch *in* Engler
& Prantl (1897) ヨツノサデ連

Genus *Crouania* J.Agardh, 1842 ヨツノサデ属

Crouania attenuata (C.Agardh) J.Agardh ヨツノサデ

Crouania mageshimensis Itono

Crouania minutissima Yamada ヒメヨツノサデ

Genus *Gattya* Harvey, 1855 ガッティア属

Gattya obtusa Itono

Genus *Ptilocladia* Sonder, 1845 モサヨツノサデ属
(新称)

Ptilocladia divaricata (Okamura) T.Yoshida モサヨツ
ノサデ

[= *Crouania divaricata* Okamura]

Ptilocladia japonica Itono

Ptilocladia okiensis Kajimura オキプティロクラディア

Tribe Euptiloteae Hommersand & Fredericq *in*
Hommersand *et al.* (2005) イソシノブ連

Genus Euptilota (Kützing) Kützing, 1849 イソシノブ
属

Euptilota articulata (J.Agardh) F.Schmitz イソシノブ

Genus Seirospora Harvey, 1846 ベニイソブドウ属
Seirospora orientalis Kraft ベニイソブドウ
[*Seirospora occidentalis* auct. non Børgesen: Itono (1971)]

Tribe Rhodocallideae Hommersand, S.M.Wilson &
Kraft, 1998 ベニヒバダマシ連

Genus Rhodocallis Kützing, 1847 ベニヒバダマシ属
Rhodocallis elegans Kützing ベニヒバダマシ

Tribe Spyridieae F.Schmitz & Hauptfleisch *in* Engler &
Prantl (1897) ウブゲグサ連

Genus Spyridia Harvey *in* Hooker (1833) ウブゲグサ
属

Spyridia elongata Okamura ナガウブゲグサ
[= *Spyridia tenuis* Noda ホソウブゲグサ]

Spyridia filamentosa (Wulfen) Harvey ウブゲグサ

Spyridia hypnoides (Bory) Papenfuss トゲウブゲ
[*Spyridia aculeata* auct. non (C.Agardh ex Decaisne)
Kützing: Yendo (1916) トゲウブゲ]

Family Ceramiaceae Dumortier, 1822 イギス科

Tribe Antithamnieceae Hommersand, 1963 フタツガサ
ネ連

Genus Acrothamnion J.Agardh, 1892 リュウノタマ属
Acrothamnion butlerae (Collins) Kylin ヒメクジャク
ハネモ
Acrothamnion preissii (Sonder) E.M.Wollaston リュウ
ノタマ
[= *Acrothamnion pulchellum* J.Agardh クジャクハネモ]

[= *Antithamnion terminale* Inagaki クジャクハネモ]

Genus Antithamnion Nägeli, 1847 フタツガサネ属
Antithamnion amamiense Itono

Antithamnion antillanum Børgesen nom. cons. ニセキ
ヌイトグサ

[= *Antithamnion lherminieri* Nasr nom. rej.]

Antithamnion callocladum Itono

Antithamnion cristirhizophorum Tokida & Inaba フサ
ネカサネグサ

Note: Athanasiadis (1996) tentatively synonymized this
species with *Antithamnion pectinatum*.

Antithamnion defectum Kylin クシノハフタツガサネ

Antithamnion densum (Suhr) M.Howe キヌイトフタ
ツガサネ

Antithamnion nipponicum Yamada & Inagaki フタツ
ガサネ

[= *Antithamnion hubbsii* E.Y.Dawson ニセフタツガサネ]

[*Acrothamnion pulchellum* auct. non J.Agardh: Yendo
(1916)]

[*Antithamnion applicitum* auct. non (Harvey) J.Agardh:
Yendo (1917)]

Note: Athanasiadis (1996) tentatively synonymized this
species with *Antithamnion pectinatum*.

Antithamnion okiense Kajimura オキフタツガサネ

Antithamnion secundum Itono

Antithamnion sparsum Tokida キヌイトヨツガサネ

Genus Perikladosporon Athanasiadis, 1996 カタハノ
フタツガサネ属

Perikladosporon percurrans (E.Y.Dawson) Athanasiadis
カタハノフタツガサネ

[= *Antithamnion percurrans* E.Y.Dawson]

Tribe Ceramieae C.Agardh ex Greville, 1828 イギス連

Genus Campylaephora J.Agardh, 1851 イギス属
(改称; 旧称: エゴノリ属)

Campylaephora borealis (Y.Nakamura) K.S.Seo,
T.O.Cho & S.M.Boo キタフトイギス (新称)

[= *Campylaephora crassa* f. *borealis* Y.Nakamura]

Campylaephora boydenii (E.Gepp) Barros-Barreto &

Maggs アミクサ

[≡ *Ceramium boydenii* E.Gepp]Note: Barros-Barreto *et al.* (2023) transferred *Ceramium boydenii* to *Campylaephora*.***Campylaephora crassa*** (Okamura) Y.Nakamura フトイギス[≡ *Ceramium crassum* Okamura][*Ceramium secundatum* auct. non Lyngbye: Yendo (1918)]***Campylaephora crassa* f. *australis*** Itono***Campylaephora crassa* f. *cymosa*** Y.Nakamura***Campylaephora crassa* f. *elongata*** Y.Nakamura***Campylaephora hypnaeoides*** J.Agardh エゴノリ[≡ *Ceramium hypnaeoides* (J.Agardh) Okamura]***Campylaephora hypnaeoides* f. *hamata*** (Cotton)

Y.Nakamura カラクサイギス

[≡ *Ceramium hamatum* Cotton]***Campylaephora japonica*** Noda ヒメエゴノリ***Campylaephora kondoi*** (Yendo) Barros-Barreto &

Maggs イギス

[≡ *Ceramium kondoi* Yendo][*Ceramium rubrum* auct. non C.Agardh: Harvey (1857) イギス][*Ceramium pedicellatum* auct. non (J.Agardh) J.Agardh: Yendo (1917)][*Ceramium rubrum* f. *fasciculatum* auct. non J. Agardh: Yendo (1918)][*Ceramium rubrum* f. *corymbiferum* auct. non J. Agardh: Yendo (1918)]Note: Barros-Barreto *et al.* (2023) transferred *Ceramium kondoi* to *Campylaephora*.***Campylaephora kondoi* f. *abbreviata*** (Y.Nakamura)

Mas.Suzuki & Kitayama

[≡ *Ceramium kondoi* f. *abbreviatum* Y.Nakamura]***Campylaephora kondoi* f. *ambigua*** (Y.Nakamura)

Mas.Suzuki & Kitayama

[≡ *Ceramium kondoi* f. *ambiguum* Y.Nakamura]***Campylaephora kondoi* f. *trichotoma*** (Y.Nakamura)

Mas.Suzuki & Kitayama

[≡ *Ceramium kondoi* f. *trichotomum* Y.Nakamura]Note: Following the transfer of *Ceramium kondoi* to*Campylaephora* by Barros-Barreto *et al.* (2023), the transfers of *Ce. kondoi* f. *abbreviatum*, f. *ambiguum*, and f. *trichotomum* to *Campylaephora* were proposed (p. 141).**Genus *Centroceras*** Kützing, 1842 ゴノメグサ属***Centroceras distichum*** Okamura ゴノメグサ***Centroceras gasparrinii*** (Meneghini) Kützing トゲイギス[*Centroceras micracanthum* auct. non Kützing: Martens (1868)][*Ceramium clavulatum* auct. non C.Agardh: Heydrich (1894) トゲイギス][*Centroceras clavulatum* auct. non (C.Agardh) Montagne: Okamura (1936) トゲイギス]***Centroceras japonicum*** Itono ナンカイトゲイギス**Genus *Ceramium*** Roth, 1797 nom. et typ. cons. マツバライギス属 (改称; 旧称: イギス属)[= *Microcladia* Greville, 1830 サエダ属][= *Hormoceras* Kützing, 1841]***Ceramium aduncum*** Y.Nakamura マキイギス[*Ceramium circinatum* auct. non (Kützing) J.Agardh: Yendo (1917)]***Ceramium amamiense*** Itono***Ceramium borneense*** Weber-van Bosse サデガタイギス[= *Ceramium sympodiale* E.Y.Dawson サデガタイギス]Note: Itono (1973; as *C. sympodiale*) and Titlyanov *et al.* (2019) recorded this species in Japan.***Ceramium ciliatum* var. *robustum*** (J.Agardh)

Feldmann-Mazoyer ツノイギス

[*Ceramium ciliatum* auct. non (J.Ellis) Ducluzeau: Nakamura (1965) ツノイギス]***Ceramium cimbricum*** H.E.Petersen マツバライギス***Ceramium cimbricum* f. *flaccidum*** (H.E.Petersen)

G.Furnari & D.Serio ヒメイギス

[≡ *Ceramium fastigiatum* f. *flaccidum* H.E.Petersen][*Ceramium fastigiatum* auct. non Harvey: Nakamura (1965) ヒメイギス][*Ceramium fastigiramosum* auct. non S.M.Boo & I.K.Lee: Yoshida *et al.* (1990) ヒメイギス]Note: *Ceramium fastigiatum* was synonymized with *C. cimbricum* by Yoshida (1998); however, Itono (1977) had

previously treated it as *C. fastigiatum* f. *flaccidum*

(presently *C. cimbricum* f. *flaccidum*).

Ceramium diaphanum (Lightfoot) Roth キヌイトイギス

[= *Ceramium tenuissimum* (Roth) J. Agardh キヌイトイギス]

Ceramium nakamurae E.Y. Dawson ツクシイギス

[= *Ceramium equisetoides* Y. Nakamura nom. illeg.]

*Replaced synonym

Ceramium procumbens Setchell & N.L. Gardner

Ceramium serpens Setchell & N.L. Gardner

Genus *Ceramothamnion* H. Richards, 1901 トガリイギス属 (新称)

[= *Stirikia* Barros-Barreto & Maggs in Barros-Barreto *et al.* (2023)]

Note: Barros-Barreto *et al.* (2023) transferred *Ceramium codii* and *C. japonicum* to *Stirikia*. Subsequently, Wynne & Schneider (2023) reevaluated *Ceramothamnion* and transferred both species to that genus, as *C. codii* and *C. japonicum*.

Ceramothamnion codii H. Richards トガリイギス

[= *Ceramium codii* (H. Richards) Feldmann-Mazoyer]

[= *Ceramium mucronatum* Segi トガリイギス]

Ceramothamnion japonicum (Okamura) M.J. Wynne &

C.W. Schneider ハネイギス

[= *Ceramium japonicum* Okamura]

[= *Stirikia japonica* (Okamura) Barros-Barreto & Maggs]

[= *Ceramium minutulum* Noda & K. Konno ヒメハネイギス]

Genus *Corallophila* Weber-van Bosse, 1923 ナンカイゴノメグサ属 (新称)

Corallophila howei (Weber-van Bosse) R.E. Norris ナンセイイギス

[= *Ceramium howei* Weber-van Bosse]

Corallophila itonoi (Ardre) R.E. Norris

[= *Ceramium itonoi* Ardre]

[*Centroceras minutum* auct. non Yamada: Itono (1977)]

Corallophila kleiwegii Weber-van Bosse ナンカイゴノメグサ

[= *Centroceras apiculatum* Yamada ナンカイゴノメグサ

[= *Corallophila apiculata* (Yamada) R.E. Norris]

Genus *Gayliella* T.O. Cho, L.M. McIvor & S.M. Boo in Cho *et al.* (2008) ハイイギス属

Gayliella fimbriata (Setchell & N.L. Gardner) T.O. Cho & S.M. Boo フサツキイギス

[= *Ceramium fimbriatum* Setchell & N.L. Gardner]

Note: Historically, *Ceramium fimbriatum* was synonymized with *Gayliella flaccida* in Japan (Yoshida *et al.*, 2015); however, Cho *et al.* (2008) had reinstated it as a distinct species and transferred it to *Gayliella*.

Gayliella flaccida (Harvey ex Kützing) T.O. Cho & L.M. McIvor ハイイギス

[= *Ceramium flaccidum* (Harvey ex Kützing) Ardissoni]

[*Ceramium gracillimum* auct. non (Kützing) Zanardini: Nakamura (1965) ハイイギス]

Gayliella mazoyerae T.O. Cho, Fredericq & Hommersand

[= *Ceramium gracillimum* var. *byssoideum* Feldmann-Mazoyer]

Note: Historically, *Ceramium gracillimum* var. *byssoideum* was synonymized with *Gayliella flaccida* in Japan (Yoshida *et al.*, 2015); however, Cho *et al.* (2008) had referred it to *Gayliella mazoyerae*.

Gayliella taylorii (E.Y. Dawson) T.O. Cho & S.M. Boo

[= *Ceramium taylorii* E.Y. Dawson]

Note: Historically, *Ceramium taylorii* was synonymized with *Gayliella flaccida* in Japan (Yoshida *et al.*, 2015); however, Cho *et al.* (2008) had reinstated it as a distinct species and transferred it to *Gayliella*.

Genus *Herpochondria* Falkenberg in Engler & Prantl (1897) ニクサエダ属

Herpochondria corallinae (G. Martens) Falkenberg ニクサエダ

[= *Rhizophyllis corallinae* G. Martens]

[= *Microcladia corallinae* (G. Martens) Okamura]

Herpochondria dentata (Okamura) Itono コスジサエダ

[= *Microcladia dentata* Okamura]

Herpochondria elegans (Okamura) Itono サエダ

[= *Microcladia elegans* Okamura]

[*Microcladia glandulosa* auct. non (Solander ex Turner)

Greville: Okamura (1900)]

[*Herpochondria dentata* auct. non (Okamura) Itono: Itono (1977)]

***Herpochondria pygmaea* Itono**

Genus *Pseudoceramium* Barros-Barreto & Maggs in Barros-Barreto et al. (2023) ケイギス属 (新称)

Note: Barros-Barreto et al. (2023) transferred *Ceramium paniculatum* and *C. tenerrimum* to *Pseudoceramium*.

***Pseudoceramium paniculatum* (Okamura) Barros-Barreto & Maggs nom. inval.** ハリイギス

[= *Ceramium paniculatum* Okamura]

Note: The name *Pseudoceramium paniculatum* was invalidly published under ICN Art. 41.5 (Turland et al., 2025) because Barros-Barreto et al. (2023) failed to cite the basionym correctly.

***Pseudoceramium tenerrimum* (G.Martens) Barros-Barreto & Maggs** ケイギス

[= *Hormoceras tenerrimum* G.Martens]

[= *Ceramium tenerrimum* (G.Martens) Okamura]

[*Hormoceras flaccidum* auct. non Harvey ex Kützinger: Suringar (1867)]

[*Ceramium gracillimum* auct. non (Kützinger) Zanardini: De Toni (1895) ケイギス]

Genus *Reinboldiella* De Toni, 1895 チリモミジ属

[= *Gloiothamnion* Reinbold, 1895 nom. illeg.]

***Reinboldiella filamentosa* Itono** イトチリモミジ (新称)

***Reinboldiella robusta* Itono** ヒメチリモミジ (新称)

***Reinboldiella schmitziana* (Reinbold) De Toni** チリモミジ

[= *Gloiothamnion schmitzianum* Reinbold]

[= *Carpoblepharis schmitziana* (Reinbold) Okamura]

***Reinboldiella schmitziana* var. *erecta* (Yamada)**

Mas.Suzuki & Kitayama タチチリモミジ

[= *Carpoblepharis schmitziana* var. *erecta* Yamada]

Note: *Carpoblepharis schmitziana* is considered a member of *Reinboldiella* (Yoshida et al., 2015). Accordingly, the transfer of *C. schmitziana* var. *erecta* to *Reinboldiella* was proposed (p. 143).

***Reinboldiella warburgii* (Heydrich) T.Yoshida &**

Mikami オオバチリモミジ

[= *Carpoblepharis warburgii* Heydrich]

Genus *Yoneshiguea* Barros-Barreto, Maggs &

M.A.Jaramillo in Barros-Barreto et al. (2023) ヨネシゲア属

***Yoneshiguea affinis* (Setchell & N.L.Gardner) Barros-Barreto, Maggs & M.A.Jaramillo**

[= *Ceramium affine* Setchell & N.L.Gardner]

Note: Barros-Barreto et al. (2023) transferred *Ceramium affine* to *Yoneshiguea*.

Tribe Delesseriopsidae Itono & Tak.Tanaka, 1973 ウスムラサキ連

Genus *Balliella* Itono & Tak.Tanaka, 1973 ナンカイベニハネモ属

***Balliella crouanioides* (Itono) Itono & Tak.Tanaka** スズナリベニハネモ (新称)

[= *Antithamnion crouanioides* Itono]

***Balliella subcorticata* Itono & Tak.Tanaka** ナンカイベニハネモ

[*Antithamnion subcorticatum* Itono nom. inval.]

Genus *Delesseriopsis* Okamura, 1931 ウスムラサキ属

***Delesseriopsis elegans* Okamura** ウスムラサキ

Tribe Dohrnieleae Feldmann-Mazoyer, 1941 ドールニエラ連

Genus *Antithamnionella* Lyle, 1922 ホソガサネ属

***Antithamnionella basispora* (Tokida & Inaba) Cormaci & G.Furnari** ニレツカサネグサ

[= *Antithamnion basisporum* Tokida & Inaba]

***Antithamnionella breviformis* (E.Y.Dawson)**

E.M.Wollaston ヒナフタツガサネ

[= *Antithamnion breviformis* E.Y.Dawson]

[= *Antithamnion breviformis* var. *simplex* E.Y.Dawson]

ホソバヒナフタツガサネ]

[*Antithamnionella elegans* auct. non (Berthold) J.H.Price & D.M.John: Yoshida et al. (1990) ヒナフタツガサネ]

***Antithamnionella spirographidis* (Schiffner)**

E.M. Wollaston ホソガサネ

[= *Antithamnion gardneri* G.De Toni キヌイトガサネ][= *Antithamnion miharae* Tokida ホソガサネ][≡ *Antithamnionella miharae* (Tokida) Itono]**Genus *Callithamniella*** Feldmann-Mazoyer, 1938 ハイ
キヌイト属***Callithamniella tingitana* (Schousboe ex Bornet)**

Feldmann-Mazoyer ハイキヌイト

Note: Kitayama (2015) recorded this species as a new
record for Japan.**Tribe Pterothamnieceae** Athanasiadis, 1996 ヨツガサネ連**Genus *Pterothamnion*** Nägeli in Nägeli & Cramer
(1855) ヨツガサネ属[= *Platythamnion* J.Agardh, 1892 ヨツガサネ属]***Pterothamnion horridum* (Tokida & Inaba)**

Athanasiadis & Kraft オニノヨツバグサ

[≡ *Platythamnion horridum* Tokida & Inaba]***Pterothamnion intermedium* (Tokida) Athanasiadis &
Kraft ヒメヨツバグサ**[≡ *Platythamnion intermedium* Tokida]***Pterothamnion polysporum* (Itono) Athanasiadis &
Kraft フサナリヨツガサネ (新称)**[≡ *Platythamnion polysporum* Itono]***Pterothamnion yezoense* (Inagaki) Athanasiadis & Kraft
ヨツガサネ**[≡ *Platythamnion yezoense* Inagaki ヨツバグサ][*Antithamnion plumula* auct. non (J.Ellis) Thuret: Okamura
(1922) ヨツガサネ]**Tribe Scagelieae** Athanasiadis, 1996 カラフトヨツガ
サネ連**Genus *Scagelia*** E.M. Wollaston, 1972 カラフトヨツガ
サネ属***Scagelia pylaisaei* (Montagne) M.J. Wynne** カラフトヨ
ツガサネ[= *Antithamnion corallina* Kjellman カラフトヨツガサネ][≡ *Scagelia corallina* (Kjellman) T.Yoshida]**Family Delesseriaceae** Bory, 1828 コノハノリ科

[= Dasyaceae Kützing, 1843 ダジア科]

[= Sarcomeniaceae Womersley, 2003]

Note: The classification of subfamilies and tribes within the
Delesseriaceae is based on Wynne (2014) and Diaz-Tapia *et*
al. (2019).**Subfamily Dasyoideae** De Toni, 1903 ダジア亜科**Genus *Dasya*** C.Agardh, 1824 nom. et orth. cons. ダジ
ア属***Dasya boninensis*** Masuda, A.Kurihara & Kogame ムニ
ンダジア***Dasya enomotoi*** Y.Yamagishi, Masuda & Tsu.Abe セト
ウチダジア***Dasya japonovillosa*** Y.Yamagishi, Kogame & Masuda
ケブカダジア[*Dasya villosa* auct. non Harvey: Yendo (1916) ケブカダ
ジア]Note: Historically, this species was identified as *Dasya*
villosa in Japan (Yoshida *et al.*, 2015). However, Yamagishi
et al. (2022) demonstrated that the Japanese specimens
represent a distinct species from *D. villosa* and described it
as *D. japonovillosa* based on the type collected from
Innoshima Shigai, Hiroshima Prefecture, Japan.***Dasya longifila*** Masuda & Uwai ナガゲダジア***Dasya minor*** Noda ヒメダジア***Dasya murrayana*** I.A.Abbott & A.Millar サンボウダ
ジア***Dasya punicea* (Zanardini) Meneghini ex Zanardini** マ
ギレダジア***Dasya rigidula* var. *okiensis*** Kajimura オキカタダジア***Dasya scoparia*** Harvey モサダジア**Genus *Dasysiphonia*** I.K.Lee & J.A.West, 1980 イソ
ギ属 (新称)***Dasysiphonia japonica*** (Yendo) H.S.Kim イソハギ[≡ *Heterosiphonia japonica* Yendo]

[= *Heterosiphonia japonica* f. *pacifica* Yendo]

***Dasysiphonia japonica* f. *nipponica* (Yendo)**

Mas.Suzuki & Kitayama

[= *Heterosiphonia japonica* f. *nipponica* Yendo]

Note: Following the transfer of *Heterosiphonia japonica* to *Dasysiphonia* by Kim (2012), the transfer of *H. japonica* f. *nipponica* to *Dasysiphonia* was proposed (p. 142).

***Dasysiphonia okiensis* Kajimura オキダジシフオニア**

***Dasysiphonia sessilis* (Yamada) M.Cassidy,**

C.W.Schneider & G.W.Saunders エナシダジア

[= *Dasya sessilis* Yamada]

[*Dasya collabens* auct. non Hooker f. & Harvey: Yendo (1918)]

Note: Cassidy *et al.* (2022) transferred *Dasya sessilis* to *Dasysiphonia*.

Genus *Rhodoptilum* (J.Agardh) Kylin, 1956 ダジモドキ属

***Rhodoptilum plumosum* (Harvey & J.W.Bailey) Kylin**

ダジモドキ

[= *Dasyopsis plumosa* (Harvey & J.W.Bailey) F.Schmitz]

Genus *Sinosiphonia* C.K.Tseng & B.L.Zheng, 1983 ハナビイトモ属

***Sinosiphonia elegans* C.K.Tseng & B.L.Zheng ハナビイトモ**

イトモ

Genus *Sympodothamnion* Itono, 1977 ナンカイサエダ属

***Sympodothamnion leptophyllum* (Tak.Tanaka) Itono ナンカイサエダ**

[= *Microcladia leptophylla* Tak.Tanaka]

Subfamily Delesserioideae Stizenberger, 1860 コノハノリ亜科

Tribe Botryocarpeae M.J.Wynne, 2001 ボトリオカルプス連

Genus *Marionella* F.S.Wagner, 1954 ハブタエノリ属

***Marionella schmitziana* (De Toni & Okamura)**

T.Yoshida ハブタエノリ

[= *Hemineura schmitziana* De Toni & Okamura]

Tribe Claudeae M.J.Wynne, 2001 クラウディア連

Genus *Vanvoorstia* Harvey, 1854 カラゴロモ属

[= *Implicaria* Heydrich, 1902 カラゴロモ属]

***Vanvoorstia coccinea* Harvey ex J.Agardh カラゴロモ**

[*Vanvoorstia spectabilis* auct. non Harvey: Okamura (1902) カラゴロモ]

[*Implicaria reticulata* auct. non Heydrich: Okamura (1916) カラゴロモ]

***Vanvoorstia spectabilis* Harvey ヒメカラゴロモ**

Tribe Congregatocarpeae M.J.Wynne, 2001 コノハノリ連

Genus *Congregatocarpus* Mikami, 1971 コノハノリ属

[= *Okamurina* Zinova, 1972 nom. illeg.] *Superfluous name

***Congregatocarpus kurilensis* (Ruprecht) M.J.Wynne コノハノリ**

[= *Tokidadendron kurilense* (Ruprecht) Perestenko ライノスケコノハ]

[= *Pseudophycodrys pacifica* Yamada]

[= *Laingia pacifica* (Yamada) Yamada コノハノリ]

[= *Congregatocarpus pacificus* (Yamada) Mikami]

[= *Okamurina pacifica* (Yamada) Zinova]

[= *Pseudophycodrys rainosukei* Tokida ライノスケコノハ]

[*Delesseria crassifolia* auct. non. Ruprecht: Okamura (1916) コノハノリ]

[*Tokidadendron bullatum* auct. non. (N.L.Gardner)

M.J.Wynne: Yoshida *et al.* (1985) ライノスケコノハ]

Genus *Neohypophyllum* M.J.Wynne, 1983 ナガコノハノリ属

[= *Hypophyllum* Kylin, 1924 nom. illeg. ナガコノハノリ属] *Replaced synonym

***Neohypophyllum middendorffii* (Ruprecht) M.J.Wynne ナガコノハノリ**

[= *Delesseria middendorffii* Ruprecht]

[= *Hypophyllum middendorffii* (Ruprecht) Kylin]

Tribe Delesserieae J.Agardh, 1841 スメハノリ連

Genus *Cumathamnion* M.J.Wynne & K.Daniels, 1966
スメハノリ属

Cumathamnion serrulatum (Harvey) M.J.Wynne &
G.W.Saunders スメハノリ

[= *Delesseria serrulata* Harvey]

[= *Membranoptera serrulata* (Harvey) Kuntze]

[= *Hydrolapatha serrulata* (Harvey) Kuntze]

[= *Delesseria violacea* J.Agardh nom. illeg.] *Superfluous
name

[= *Apoglossum violaceum* J.Agardh nom. illeg.]

*Superfluous name

Genus *Heteroglossum* Zinova, 1972 コノハノリモド
キ属

[= *Yamadaphycus* Mikami, 1973 コノハノリモドキ属]

Heteroglossum carnosum (Mikami) Perstenko コノハ
ノリモドキ

[= *Yamadaphycus carnosus* Mikami]

[= *Okamurina carnosus* (Mikami) Mikami & T.Yoshida]

Tribe Hypoglosseae M.J.Wynne, 2001 ヒゲベニハノ
リ連

Genus *Branchioglossum* Kylin, 1924 ヒメムラサキ属
Branchioglossum nanum Inagakii ヒメムラサキ
Branchioglossum spiniferum T.Yoshida & Mikami ト
ゲムラサキ

Genus *Hypoglossum* Kützing, 1843 ヒゲベニハノリ
属 (改称; 旧称: ベニハノリ属)

Hypoglossum barbatum Okamura ヒゲベニハノリ

Hypoglossum minimum Yamada ヒメベニハノリ

Hypoglossum nipponicum Yamada ホソナガベニハノリ

[*Hypoglossum barbatum* auct. non Okamura: Wynne *et al.*
(1989)]

Hypoglossum sagamianum Yamada スジベニハノリ

Hypoglossum serratifolium Okamura ノコギリバベニ
ハノリ

Hypoglossum tortile Noda ヨレベニハノリ

Genus *Yoshidaphycus* Mikami, 1992 ヒゲムラサキ属
Yoshidaphycus ciliatus (Okamura) Mikami ヒゲムラサキ

[= *Branchioglossum ciliatum* Okamura]

Genus *Zellera* G.Martens, 1868 ベニハウチワ属

Zellera tawallina G.Martens ベニハウチワ

Tribe Membranoptereae M.J.Wynne, 2001 ベニヤバ
ネグサ連

Genus *Membranoptera* Stackhouse, 1809 ベニヤバネ
グサ属 (改称; 旧称: ホソベニヤバネグサ属)

Membranoptera spinulosa (Ruprecht) Kuntze ヒメベ
ニヤバネグサ

Genus *Neoholmesia* Mikami, 1972 スズシロノリ属
Neoholmesia japonica (Okamura) Mikami スズシロノリ

[= *Botryocarpa japonica* Okamura]

[= *Holmesia japonica* (Okamura) Okamura]

Tribe Wynneophycuseae S.Y.Jeong, B.Y.Won,
Fredericq & T.O.Cho, 2016 ベニハノリ連

Genus *Wynneophycus* S.Y.Jeong, B.Y.Won, Fredericq &
T.O.Cho, 2016 ベニハノリ属

Wynneophycus geminatus (Okamura) S.Y.Jeong,
B.Y.Won, Fredericq & T.O.Cho ベニハノリ

[= *Hypoglossum geminatum* Okamura]

Note: Jeong *et al.* (2016) transferred *Hypoglossum*
geminatum to *Wynneophycus*.

Tribe Zinovaeae M.J.Wynne, 2001 ジノバエア連

Genus *Kurogia* T.Yoshida, 1979 イカダコノハ属
Kurogia pulchra T.Yoshida イカダコノハ

Subfamily Heterosiphonioideae H.G.Choi, Kraft,
I.K.Lee & G.W.Saunders, 2002 シマダジア亜科

Genus *Dictyurus* Bory in Belanger & Bory (1834) ベニアミゴロモ属

Dictyurus purpurascens Bory ベニアミゴロモ

Genus *Heterosiphonia* Montagne, 1842 nom. cons. シマダジア属

Heterosiphonia pulchra (Okamura) Falkenberg シマダジア

[= *Dasya pulchra* Okamura]

[= *Dasya notoensis* Okamura ノトダジア]

[= *Heterosiphonia notoensis* (Okamura) Falkenberg]

[*Heterosiphonia subsecunda* auct. non (Suhr) Falkenberg: Yendo (1914)]

Subfamily Nitophylloideae Stizenberger, 1860 ウスバノリ亜科

Tribe Martensieae M.J.Wynne, 2001 アヤニシキ連

Genus *Martensia* K.Hering, 1841 nom. cons. アヤニシキ属

[= *Neomartensia* T.Yoshida & Mikami, 1996 エツキアヤニシキ属]

Note: Lin *et al.* (2004) synonymized *Neomartensia* with *Martensia*.

Martensia australis Harvey ミナミアヤニシキ

Martensia flabelliformis Harvey ex J.Agardh エツキアヤニシキ

[= *Neomartensia flabelliformis* (Harvey ex J.Agardh) T.Yoshida & Mikami]

Martensia jejuensis Y.P.Lee アヤニシキ

[*Martensia australis* auct. non Harvey: Okubo (1887) アヤニシキ]

[*Martensia elegans* auct. non K.Hering: Okamura (1909) アヤニシキ]

[*Martensia denticulata* auct. non Harvey: Okamura (1936) アヤニシキ]

[*Martensia fragilis* auct. non Harvey: Yoshida & Mikami (1996) アヤニシキ]

[*Martensia taeniosa* Yagi nom. nud. セトウチアヤニシキ]

Tribe Nitophylleae Willkomm, 1854 ウスバノリ連

Genus *Augophyllum* Showe M.Lin, Fredericq & Hommersand, 2003 グンバイコノハ属

Augophyllum japonicum (T.Yoshida & Mikami) Jeong C.Kang & M.S.Kim グンバイコノハ

[= *Pollexfenia japonica* T.Yoshida & Mikami]

[= *Papenfussia japonica* (T.Yoshida & Mikami) M.J.Wynne]

Note: Kang & Kim (2016) transferred *Pollexfenia japonica* to *Augopnyllum*.

Genus *Nitophyllum* Greville, 1830 nom. cons. ウスバノリ属

Nitophyllum stellatocorticatum Okamura ホシガタウスバノリ

Subfamily Phycodryioideae Showe M.Lin, Fredericq & Hommersand, 2001 カシワバコノハノリ亜科

Tribe Cryptopleureae M.J.Wynne, 2001 カクレスジ連

Genus *Acrosorium* Zanardini ex Kützing, 1869 ハイウスバノリ属

Acrosorium flabellatum Yamada ヤレウスバノリ

[= *Cryptopleura membranacea* Yamada カクレスジ]

[= *Cryptopleura hayamensis* Yamada ホソバノカクレスジ]

[= *Acrosorium okamurae* Noda トガリウスバノリ]

[*Nitophyllum uncinatum* auct. non (Turner) J.Agardh: Okamura (1902) カギウスバノリ]

[*Acrosorium uncinatum* auct. non (Turner) Kylin: Okamura (1936)]

[*Acrosorium venulosum* auct. non (Zanardini) Kylin: Yoshida *et al.* (1990) カギウスバノリ]

Note: Kang *et al.* (2021) synonymized *Cryptopleura membranacea*, *C. hayamensis*, and *Acrosorium okamurae* with this species; they also demonstrated that records of *A. uncinatum* and *A. venulosum* in the northwestern Pacific represent misapplications of this species.

Acrosorium polyneurum Okamura スジウスバノリ

Acrosorium yendoi Yamada ハイウスバノリ

[*Nitophyllum monanthos* auct. non J. Agardh: Yendo (1918)
ハイウスバノリ]

Genus *Gonimophyllum* Batters, 1892 スジウスバヤドリ属

Gonimophyllum buffhamii Batters スジウスバヤドリ

Note: Kitayama (2018) recorded this species as a new
record for Japan.

Genus *Hymenena* Greville, 1830 ウスバノリモドキ属

Hymenena tenuis Yamada ウスバノリモドキ

Tribe Myriogrammeae Hommersand & Fredericq, 1997
スジギヌ連

Genus *Hideophyllum* Zinova, 1981 アツバスジギヌ属

Hideophyllum yezoense (Yamada & Tokida) Zinova ア
ツバスジギヌ

[= *Myriogramme yezoense* Yamada & Tokida]

[= *Nitophyllum yezoense* (Yamada & Tokida) Mikami]

Genus *Myriogramme* Kylin, 1924 スジギヌ属

Myriogramme ciliata Yamada ネダシスジギヌ

Myriogramme polyneura Okamura スジギヌ

Myriogramme variegata Yamada フイリギヌ

Tribe Phycodryae M.J. Wynne, 2001 カシワバコノハ
ノリ連

Genus *Erythroglossum* J. Agardh, 1898 ヒメウスベニ属

[= *Asterocolax* Feldmann & Feldmann-Mazoyer, 1951]

Erythroglossum latum T. Yoshida & Mikami ヒロハウ
スベニ

Erythroglossum minimum Okamura ヒメウスベニ

Erythroglossum pinnatum Okamura タチウスベニ

Genus *Phycodrys* Kützinger, 1843 カシワバコノハノリ
属

Phycodrys denticulata (Tokida) J.M. Freese & C.E. Lane

カシワバコノハヤドリ (改称; 旧称: ポリコリネ)

[= *Polycoryne denticulata* Tokida ポリコリネ]

[= *Asterocolax denticulatus* (Tokida) Feldmann &
Feldmann-Mazoyer]

Note: Freese & Lane (2021) transferred *Asterocolax*
denticulatus to *Phycodrys*.

Phycodrys radicata (Okamura) Yamada & Inagaki ヒメ
コノハノリ

[= *Delesseria radicata* Okamura]

Phycodrys riggii N.L. Gardner カシワバコノハノリ

[*Delesseria sinuosa* auct. non J.V. Lamouroux: Okamura
(1902) カシワバコノハノリ]

[*Delesseria fimbriata* auct. non Bachelot Pylae ex
J. Agardh: Okamura (1910) カシワバコノハノリ]

[*Phycodrys fimbriata* auct. non (Kuntze) Kylin: Okamura
(1936)]

[*Phycodrys rubens* f. *quercifolia* auct. non (Turner)

Rosenvinge: Tokida (1944) ヒロハカシワバコノハモド
キ]

Genus *Pseudopolyneura* K.W. Nam & P.J. Kang, 2012
ハスジギヌ属

Pseudopolyneura hyacinthina (Jeong C. Kang &
M.S. Kim) M.J. Wynne トゲハスジギヌ

Note: Suzuki & Terada (2025) recorded this species as a
new record for Japan.

Pseudopolyneura japonica (Yamada) K.W. Nam &
P.J. Kang ハスジギヌ

[= *Heteronema japonica* Yamada]

[= *Nienburgia japonica* (Yamada) Kylin]

[= *Polyneura japonica* (Yamada) Mikami]

Genus *Sorella* Hollenberg, 1943 ウスベニ属

Sorella pulchra (Yamada) T. Yoshida & Mikami クシノ
ハウスベニ

[= *Erythroglossum pulchrum* Yamada]

Sorella repens (Okamura) Hollenberg ウスベニ

[= *Erythroglossum repens* Okamura]

Genus *Sorellocolax* T. Yoshida & Mikami, 1996 ウスベ
ニヤドリ属

Sorellocolax stellaris T. Yoshida & Mikami ウスベニヤ

ドリ

Tribe Schizoserideae Hommersand & Fredericq, 1997
ベニヤハズ連

Genus *Schizoseris* Kylin, 1924 ベニヤハズ属

Schizoseris bombayensis (Børgesen) Showe M.Lin ヒ
メベニヤハズ

[= *Myriogramme subdichotoma* Segawa ヒメベニヤハズ]

[= *Schizoseris subdichotoma* (Segawa) Yamada]

[= *Schizoseris minima* T.Kaneko & T.Masaki エゾヒメベ
ニヤハズ]

Subfamily Sarcomenioideae De Toni, 1900 サルコ
メニア亜科

Tribe Apoglosseae Showe M.Lin, Fredericq &
Hommersand, 2012 ヒダトリギス連

Genus *Apoglossum* (J.Agardh) J.Agardh, 1898 ヒダト
リギス属

Apoglossum minimum Yamada ヒダトリギス

Tribe Caloglosseae M.J.Wynne, 2001 アヤギス連

Genus *Caloglossa* (Harvey) G.Martens, 1869 nom. cons.
アヤギス属

Caloglossa adhaerens R.J.King & Puttock ヒロハアヤ
ギス

[*Caloglossa adnata* auct. non (Zanardini) De Toni: Post
(1936) ヒロハアヤギス]

Caloglossa continua (Okamura) R.J.King & Puttock ア
ヤギス

[= *Caloglossa leprieurii* var. *continua* Okamura]

[= *Caloglossa leprieurii* f. *continua* (Okamura) E.Post]

[= *Caloglossa leprieurii* var. *alternifolia* Okamura アヤギ
ス]

[*Caloglossa leprieurii* auct. non (Montagne) G.Martens:
Okamura (1908) アヤギス]

Caloglossa ogasawaraensis Okamura ホソアヤギス

[= *Caloglossa bombayensis* Børgesen]

[*Delesseria beccarii* auct. non Zanardini: Okamura (1893)]

Caloglossa postiae M.Kamiya & R.J.King ヒメアヤギス

Caloglossa vieillardii (Kützinger) Setchell ササバアヤギス

[= *Caloglossa leprieurii* var. *hookeri* E.Post ササバアヤ
ギス]

[*Caloglossa leprieurii* auct. non (Montagne) G.Martens:
Kamiya *et al.* (1995) p.p. ササバアヤギス]

Caloglossa sp. セイヨウアヤギス

[*Caloglossa leprieurii* auct. non (Montagne) G.Martens:
Kamiya *et al.* (1995) p.p. ササバアヤギス (p.p.)]

[*Caloglossa leprieurii* auct. non (Montagne) G.Martens:
Kamiya *et al.* (2003) セイヨウアヤギス]

Note: Formerly, this species identified as *Caloglossa
leprieurii* in Japan (Yoshida *et al.*, 2015). However,
Krayesky *et al.* (2011) demonstrated that Japanese records
of *C. leprieurii* represent a distinct entity, which they
referred to as '*Caloglossa* sp. 2'. Therefore, it is tentatively
treated as '*Caloglossa* sp.' in the present checklist.

Genus *Taenioma* J.Agardh, 1863 ヒメヅタ属

Taenioma nanum (Kützinger) Papenfuss ナンカイヒメ
ヅタ

Taenioma perpusillum (J.Agardh) J.Agardh ヒメヅタ

Tribe Sarcomenieae J.Agardh, 1863 サルコメニア連

Genus *Cottoniella* Børgesen, 1919 トゲコノハノリ属
Cottoniella amamiensis Itono トゲコノハノリ

Genus *Platysiphonia* Børgesen, 1931 ヒゲウスバ属

Platysiphonia clevelandii (Farlow) Papenfuss ヒゲウスバ
Platysiphonia parva P.C.Silva & Cleary ナンカイヒゲ
ウスバ

Family Rhodomelaceae Horaninow, 1847 フジマツ
モ科

Note: The classification of tribes within the Rhodomelaceae
is based on Diaz-Tapia *et al.* (2017b) and Woelkerling *et al.*
(2025).

Tribe Alsidieae J.Agardh, 1863 アルシディウム連

Okamura (1902) アイソメグサ]

Genus *Digenea* C.Agardh, 1822 マクリ属***Digenea* sp.** マクリ[*Digenea wulfenii* auct. non Kützing: Suringar (1867)][*Digenea simplex* auct. non (Wulfen) C.Agardh: Heydrich (1894) マクリ]

Note: Historically, this species was identified as *Digenea simplex* in Japan (Yoshida *et al.*, 2015). However, Boo *et al.* (2018) demonstrated that Japanese records of *D. simplex* represent a distinct entity, which they referred to as '*Digenea* sp.'. Therefore, it is tentatively treated as '*Digenea* sp.' in the present checklist.

Tribe Amansieae Horaninow, 1847 ヒオドシグサ連**Genus *Amansia*** J.V.Lamouroux 1809 ヒオドシグサ属
Amansia japonica (Holmes) Okamura ヒオドシグサ[= *Amansia multifida* var. *japonica* Holmes][= *Melanamansia japonica* (Holmes) R.E.Norris]***Amansia mitsuui*** Segawa ウスバヒオドシ[= *Melanamansia mitsuui* (Segawa) T.Yoshida]***Amansia rhodantha*** (Harvey) J.Agardh キクヒオドシ[*Amansia glomerata* auct. non C.Agardh: Okamura (1901) キクヒオドシ][*Melanamansia glomerata* auct. non (C.Agardh)R.E.Norris: Yoshida *et al.* (1995)]***Amansia scalpellata*** Tak.Tanaka スジナシヒオドシ[= *Melanamansia scalpellata* (Tak.Tanaka) R.E.Norris]**Genus *Aneurianna*** L.E.Phillips, 2006 スジナシグサ属
Aneurianna lorentzii (Weber-van Bosse) L.E.Phillips
スジナシグサ[= *Aneuria lorentzii* Weber-van Bosse][= *Lenormandiopsis lorentzii* (Weber-van Bosse)

Papenfuss]

Aneurianna ogasawaraensis Kitayama スジアリグサ**Genus *Enantiocladia*** Falkenberg in Engler & Prantl
(1897) アイソメグサ属***Enantiocladia okamurae*** Yamada アイソメグサ[*Enantiocladia latiuscula* auct. non (Harvey) Okamura:**Genus *Neurymenia*** J.Agardh, 1863 イソバシヨウ属***Neurymenia fraxinifolia*** (Mertens ex Turner) J.Agardh

イソバシヨウ

Neurymenia nigricans Tak.Tanaka & Itono クロイソバシヨウ**Genus *Osmundaria*** J.V.Lamouroux, 1813 カエリナミ属***Osmundaria obtusiloba*** (C.Agardh) R.E.Norris カエリナミ[= *Vidalia obtusiloba* (C.Agardh) J.Agardh]**Tribe Bostrychieae** Womersley, 2003 コケモドキ連**Genus *Bostrychia*** Montagne in Sagra (1842) nom. cons.
コケモドキ属[= *Stictosiphonia* Hooker f. & Harvey in Hooker (1845) フタマタコケモドキ属]***Bostrychia binderi*** (J.V.Lamouroux) J.Agardh コケモドキ (別称: ヒガシコケモドキ)[*Bostrychia tenella* auct. non (J.V.Lamouroux) J.Agardh: Okamura (1902) コケモドキ]

Note: Historically, this species was identified as *Bostrychia tenella* in Japan (Yoshida *et al.*, 2015); however, Zuccarello *et al.* (2015) showed that these records are misapplied and should be referred to *B. binderi*.

Bostrychia calliptera (Montagne) Montagne ヤエヤマコケモドキ[= *Bostrychia pinnata* Ji.Tanaka & Chihara ハネコケモドキ]***Bostrychia flagellifera*** E.Post フサコケモドキ (別称: タケコケモドキ)***Bostrychia hamana-tokidae*** E.Post タニコケモドキ (別称: ニセタニコケモドキ)[*Bostrychia simpliciuscula* auct. non Harvey ex J.Agardh: Tokida (1939) タニコケモドキ][*Bostrychia tenuis* f. *simpliciuscula* auct. non (Harvey ex J.Agardh) E.Post: Tokida (1941)]

Note: Historically, this species was identified as *Bostrychia simpliciuscula* in Japan (Yoshida *et al.*, 2015); however,

Zuccarello *et al.* (2015) demonstrated that these records were misapplications and referred to *B. hamana-tokidae*.

Bostrychia intricata (Bory) Montagne ハマナコケモドキ

[= *Stictosiphonia intricata* (Bory) P.C.Silva]

[= *Bostrychia mixta* Hooker f. & Harvey ハマナコケモドキ]

[= *Stictosiphonia hookeri* (Harvey) Harvey ハマナコケモドキ]

[= *Bostrychia dichotoma* Tokida ハマナコケモドキ]

[= *Bostrychia mixta* f. *inermis* E.Post]

Bostrychia kelanensis Grunow ex E.Post フタマタコケモドキ

[= *Stictosiphonia kelanensis* (Grunow ex E.Post) R.J.King & Puttock]

Bostrychia moritziana (Sonder ex Kützinger) J.Agardh エダネコケモドキ

Bostrychia radicans (Montagne) Montagne ヒメコケモドキ

Bostrychia radicata (Itono) J.A. West, Zuccarello & Hommersand

[= *Rhodolachne radicata* Itono]

Bostrychia tangatensis E.Post

[= *Stictosiphonia tangatensis* (E.Post) R.J.King & Puttock]

Tribe Chondrieae J.Agardh, 1841 ヤナギノリ連

Genus *Acanthophora* J.V.Lamouroux, 1813 トゲノリ属

Acanthophora aokii Okamura ヒメトゲノリ

Acanthophora dendroides Harvey ベニトゲノリ

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

Acanthophora muscoides (Linnaeus) Bory コトゲノリ

Acanthophora spicifera (M.Vahl) Børgesen トゲノリ

[= *Acanthophora orientalis* J.Agardh トゲノリ]

Genus *Acrocystis* Zanardini, 1872 ツクシホオズキ属

Acrocystis nana Zanardini ツクシホオズキ

Genus *Benzaitenia* Yendo, 1913 ベンテンモ属

Benzaitenia yenoshimensis Yendo ベンテンモ

Genus *Chondria* C.Agardh, 1817 nom. cons. ヤナギノリ属

Chondria armata (Kützinger) Okamura ハナヤナギ

Chondria crassicaulis Harvey ユナ

[*Chondriopsis crassicaulis* (Harvey) J.Agardh nom. inval.]

Chondria dasyphylla (Woodward) C.Agardh ヤナギノリ

Chondria econstricta M.Tani & Masuda ナンカイヤナギノリ

Chondria expansa Okamura モサヤナギ

Chondria intertexta P.C.Silva モツレユナ

[= *Chondria intricata* Okamura nom. illeg.]*Replaced synonym

Chondria lancifolia Okamura ササバヤナギノリ

Chondria lancifolia* f. *angusta Okamura

Chondria lancifolia* f. *lata Okamura

Chondria mageshimensis Tak.Tanaka & K.Nozawa シンカイユナ

Chondria repens Børgesen ヒメヤナギノリ

Chondria ryukyuensis Yamada ベニヤナギノリ

Chondria stolonifera Okamura ツルヤナギノリ

Chondria xishaensis J.F.Zhang & B.M.Xia サキシマヤナギノリ

Tribe Herposiphonieae Falkenberg *in* Schmitz & Falkenberg (1897) ヒメゴケ連

Genus *Ditria* Hollenberg, 1967 シノブグサ属

Ditria zonaricola (Okamura) T.Yoshida & M.Yoshida シノブグサ

[= *Herpocteros zonaricola* Okamura]

Genus *Herposiphonia* Nägeli, 1846 ヒメゴケ属

Herposiphonia caespitosa C.K.Tseng イワヒメゴケ

Herposiphonia crassa Hollenberg フトヒメゴケ

Herposiphonia elongata Masuda & Kogame ナガホノヒメゴケ

Herposiphonia fissidentoides (Holmes) Okamura ヒメゴケ

[= *Polyzonia fissidentoides* Holmes]

Herposiphonia insidiosa (Greville ex J.Agardh)

Falkenberg カギヒメゴケ

Herposiphonia japonica Masuda & S.Shimada カタホ
ノヒメゴケ

Herposiphonia parca Setchell クモノスヒメゴケ

[= *Herposiphonia terminalis* Segi クモノスヒメゴケ]

[*Herposiphonia tenella* auct. non (C.Agardh) Ambronn:
Okamura (1902) クモノスヒメゴケ]

[*Herposiphonia secunda* auct. non (C.Agardh) Ambronn:
Okamura (1916) マガリヒメゴケ]

Herposiphonia subdisticha Okamura クロヒメゴケ

Genus *Wilsonosiphonia* D.E.Bustamante, B.Y.Won &
T.O.Cho in Bustamante *et al.* (2017) ヨナクニイトグ
サ属 (新称)

Wilsonosiphonia howei (Hollenberg) D.E.Bustamante,
B.Y.Won & T.O.Cho ヨナクニイトグサ

[= *Polysiphonia howei* Hollenberg]

[= *Polysiphonia yonakuniensis* Segi ヨナクニイトグサ]

Note: Bustamante *et al.* (2017) transferred *Polysiphonia*
howei to *Wilsonosiphonia*.

Tribe Laurencieae I.Gifford, 1853 ソゾ連

Genus *Chondrophyucus* (Tokida & Y.Saito) Garbary &
J.T.Harper, 1998 カタソゾ属

Chondrophyucus carolinensis (Y.Saito) K.W.Nam カロ
リンソゾ

[= *Laurencia carolinensis* Y.Saito]

Chondrophyucus cartilagineus (Yamada) Garbary &
J.T.Harper カタソゾ

[= *Laurencia cartilaginea* Yamada]

[*Laurencia botryoides* auct. non (C.Agardh) Gaillon:
Martens (1868)]

Chondrophyucus coreanus Romero-Orozco, B.Y.Won,
T.O.Cho カタコブソゾ (新称)

Note: Romero-Orozco *et al.* (2025) described this species in
South Korea and reported its occurrence in Japan.

Chondrophyucus undulatus (Yamada) Garbary &
J.T.Harper コブソゾ

[= *Laurencia undulata* Yamada]

Genus *Laurencia* J.V.Lamouroux, 1813 nom. cons. ソ

ゾ属

[= *Janczewskia* Solms, 1877 ソゾマクラ属]

Note: Preuss *et al.* (2023) synonymized *Janczewskia* with
Laurencia.

Laurencia brongniartii J.Agardh ソゾノハナ

[= *Laurencia concinna* Montagne ソゾノハナ]

[= *Laurencia grevilleana* Harvey ソゾノハナ]

Laurencia composita Yamada キクソゾ

Laurencia dendroidea J.Agardh アカソゾ

[= *Laurencia obtusa* var. *majuscula* Harvey アカソゾ]

[= *Laurencia majuscula* (Harvey) A.H.S.Lucas]

Note: Historically, this species was identified as *Laurencia*
majuscula in Japan (Yoshida *et al.*, 2015); however, Metti
et al. (2013) had synonymized it with *L. dendroidea*.

Laurencia hamata Yamada カギソゾ

Laurencia intricata J.V.Lamouroux モツレソゾ

[= *Laurencia obtusa* var. *intricata* (J.V.Lamouroux)

J.Agardh]

Laurencia japonensis Tsu.Abe & Masuda ニッポソゾ

Laurencia mariannensis Yamada フクレソゾ

Laurencia morimotoi (Tokida) M.Preuss, Díaz-Tapia,
Verbruggen & Zuccarello モリモトソゾマクラ

[= *Janczewskia morimotoi* Tokida]

[= *Janczewskia tokidae* Y.Saito トキダソゾマクラ]

Laurencia nidifica J.Agardh ミナミソゾ

Laurencia nipponica Yamada ウラソゾ

[= *Laurencia masonii* var. *orientalis* Yamada]

[= *Laurencia nipponica* f. *orientalis* (Yamada) Yamada]

[= *Laurencia yendoi* Yamada キタソゾ]

[*Laurencia paniculata* auct. non (C.Agardh) J.Agardh:

Hariot (1891) オオソゾ]

[*Laurencia heteroclada* auct. non Harvey: Yendo (1917)]

[*Laurencia glandulifera* auct. non (Kützinger) Kützinger:
Yamada (1931) オオソゾ]

Laurencia okamurae Yamada ミツデソゾ

[= *Laurencia japonica* Yamada オモテソゾ]

[*Laurencia obtusa* auct. non (Hudson) J.V.Lamouroux:
Martens (1868) p.p. マギレソゾ (p.p.)]

Laurencia omaezakiana Masuda エンシユウソゾ

Laurencia pinnata Yamada ハネソゾ

[= *Chondria minutula* Noda nom. illeg. ヒメヤナギノリ]

[≡ *Chondria nodae* M.J.Wynne] *Replaced synonym

[*Laurencia pinnatifida* auct. non (Hudson) J.V.Lamouroux:
Martens (1868) ハネソゾ]

Laurencia saitoi Perestenko マギレソゾ

[*Laurencia obtusa* auct. non (Hudson) J.V.Lamouroux:
Martens (1868) p.p. マギレソゾ]

Laurencia snackeyi (Weber-van Bosse) Masuda リュウ
キュウソゾ

[*Laurencia luzonensis* Masuda nom. nud.]

Note: The name '*Laurencia luzonensis*' was previously
used in Japan, but it is a *nomen nudum* (Ishii *et al.*, 2020).
Ishii *et al.* (2020) subsequently identified these Japanese
records as *L. snackeri*, which they reported as new to Japan.

Laurencia tropica Yamada ナンカイソゾ

Laurencia venusta Yamada ヒメソゾ

Genus *Ohelopapa* F.Rousseau, Martin-Lescanne, Payri
& L.Le Gall in Rousseu *et al.* (2017) ハリガネソゾ属
(新称)

Ohelopapa flexilis (Setchell) F.Rousseau, Martin-
Lescanne, Payri & L.Le Gall ハリガネソゾ

[≡ *Laurencia flexilis* Setchell]

Note: Rousseu *et al.* (2017) transferred *Laurencia flexilis*
to *Ohelopapa*.

Genus *Palisada* K.W.Nam, 2007 タカサゴソゾ属

Palisada amabilis (Yamada) K.W.Nam シマソゾ

[≡ *Laurencia amabilis* Yamada]

[*Laurencia yamadana* auct. non M.Howe: Yoshida &
Masuda (1998) シマソゾ]

[*Palisada yamadana* auct. non (M.Howe) K.W.Nam:
Yoshida *et al.* (2015)]

Note: Historically, *Laurencia amabilis* was synonymized
with *Palisada yamadana* in Japan (Yoshida *et al.*, 2015).
However, Nam (2011) demonstrated that the Japanese
records represent a misapplication of *L. amabilis* and
proposed the new combination *Palisada amabilis*.

Palisada capituliformis (Yamada) K.W.Nam マルソゾ

[≡ *Laurencia capituliformis* Yamada]

[≡ *Chondrophycus capituliformis* (Yamada) Garbary &

J.T.Harper]

Palisada intermedia (Yamada) K.W.Nam クロソゾ

[≡ *Laurencia intermedia* Yamada]

[≡ *Chondrophycus intermedius* (Yamada) Garbary &
J.T.Harper]

Palisada parvipapillata (C.K.Tseng) K.W.Nam ヒラハ
ピラソゾ

[≡ *Laurencia parvipapillata* C.K.Tseng]

[≡ *Chondrophycus parvipapillatus* (C.K.Tseng) Garbary &
J.T.Harper]

Palisada perforata (Bory) K.W.Nam パピラソゾ

[≡ *Laurencia papillosa* (C.Agardh) Greville パピラソゾ]

[≡ *Chondrophycus papillosus* (C.Agardh) Garbary &
J.T.Harper]

[≡ *Palisada papillosa* (C.Agardh) K.W.Nam]

[*Laurencia dendroidea* auct. non J.Agardh: Hariot
(1891) キブリソゾ]

Palisada robusta K.W.Nam タカサゴソゾ

[≡ *Laurencia palisada* Yamada] *Replaced synonym

[≡ *Chondrophycus palisadus* (Yamada) K.W.Nam]

*Replaced synonym

Palisada surculigera (C.K.Tseng) K.W.Nam イワカガリ

[≡ *Laurencia surculigera* C.K.Tseng]

[≡ *Chondrophycus surculigerus* (C.K.Tseng) K.W.Nam]

Tribe Lophothalieae Falkenberg in Schmitz &
Falkenberg (1897) ロフォタリア連

Genus *Ardissonula* G.De Toni, 1936 ヒヨクソウ属

[≡ *Isoptera* Okamura, 1901 nom. illeg.] *Replaced
synonym

Ardissonula regularis (Okamura) G.De Toni ヒヨクソウ

[≡ *Isoptera regularis* Okamura]

Genus *Endosiphonia* Zanardini, 1878 カクレクダノリ属

Endosiphonia horrida (C.Agardh) P.C.Silva カクレク
ダノリ

Genus *Lophocladia* (J.Agardh) F.Schmitz, 1893 ヨレ

Lophocladia japonica Yamada ヨレミグサ

Lophocladia minima Itono ナンカイヨレミグサ

Lophocladia trichoclados (C.Agardh) F.Schmitz

[= *Lophocladia lallemandii* (Montagne) F.Schmitz]

Note: Historically, this species was identified as

Lophocladia lallemandii in Japan (Yoshida *et al.*, 2015);

however, Golo *et al.* (2024) synonymized it with *L.*

trichoclados.

Genus *Murrayella* F.Schmitz, 1893 ナガミグサ属

Murrayella periclados (C.Agardh) F.Schmitz ナガミグサ

[= *Murrayella squarrosa* F.Schmitz ナガミグサ]

Genus *Spirocladia* Børgesen, 1933 ヒゲヨレミグサ属

Spirocladia loochooensis (Yendo) T.Yoshida ヒゲヨレ

ミグサ

[= *Wrightiella loochooensis* Yendo ライラエラ]

Tribe Polysiphonieae J.Agardh, 1863 イトグサ連

[Lophosiphonieae F.E.Fritsch, 1945 ハイイトグサ連.

nom. inval.]

Genus *Lophosiphonia* Falkenberg *in* Engler & Prantl

(1897) ハイイトグサ属

Lophosiphonia hayashii Segawa ハイイトグサ

Genus *Placophora* J.Agardh, 1863 ハイコザネ属

Placophora binderi (J.Agardh) J.Agardh ハイコザネ

Placophora japonica Tak.Tanaka カバイロハイウスバ

Genus *Polysiphonia* Greville, 1823 nom. et typ. cons.

イトグサ属

[= *Orcasia* Kylin, 1941]

Polysiphonia abscissa Hooker f. & Harvey サンボウイ

トグサ

[*Polysiphonia sertularioides* auct. non (Grateloup)

J.Agardh: Nagai (1941)]

Polysiphonia crassa Okamura フトイトグサ

Polysiphonia flabellulata Harvey ヒメオウギイトグ

サ

Polysiphonia fragilis Suringar クロイトグサ

[*Polysiphonia forcipata* auct. non Harvey: Segi (1951) ク

ロイトグサ]

Polysiphonia morrowii Harvey モロイトグサ

[= *Orcasia morrowii* (Harvey) Kylin]

[*Polysiphonia senticulosa* auct. non Harvey: Yendo (1914)

ムツイトグサ]

Polysiphonia sadoensis Noda サドハイイトグサ

Note: Although Yoshida (1998) excluded this species from the

Japanese algal flora based on ICBN Art. 37.3 (presently ICN

Art. 40.1), the name meets the requirements for valid

publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Polysiphonia senticulosa Harvey ショウジョウケノリ

[= *Orcasia senticulosa* (Harvey) Kylin]

[*Polysiphonia urceolata* auct. non (Lightfoot ex Dillwyn)

Greville: Yendo (1916) ショウジョウケノリ]

Polysiphonia tokidai Segi ウスイトグサ

[*Polysiphonia macrocarpa* auct. non Harvey: Yendo

(1918)]

[*Polysiphonia sertularioides* auct. non (Grateloup)

J.Agardh: Okamura (1936)]

Tribe Polyzonieae J.Agardh, 1892 ポリゾニア連

Genus *Dasyclonium* J.Agardh, 1894 クシノハ属

[= *Euzoniella* Falkenberg, 1901 クシノハ属]

[= *Euzonia* Kylin, 1956]

Dasyclonium flaccidum (Harvey) Kylin クシノハ

[= *Euzoniella flaccida* (Harvey) Falkenberg]

[= *Euzoniella ocellata* Yendo クシノハモドキ]

[= *Euzonia ocellata* (Yendo) Kylin]

[= *Dasyclonium ocellatum* (Yendo) Scagel]

Genus *Leveillea* Decaisne, 1839 ジャバラノリ属

Leveillea jungermannioides (K.Hering & G.Martens)

Harvey ジャバラノリ

[= *Polyzonia jungermannioides* (K.Hering & G.Martens)

J.Agardh]

[= *Leveillea schimperi* Decaisne nom. illeg.]

Tribe Pterosiphonieae Maggs & Hommersand, 1993 ハ

ネグサ連

Genus *Symphyocladia* Falkenberg in Engler & Prantl (1897) コザネモ属

Symphyocladia latiuscula (Harvey) Yamada イソムラサキ

[= *Rytidhalea latiuscula* Harvey]

[= *Enantiocladia latiuscula* (Harvey) Okamura]

[= *Rytidhalea complanata* var. *pusilla* Harvey]

[= *Dictyomenia gracilis* G.Martens]

[= *Symphyocladia gracilis* (G.Martens) Falkenberg イソムラサキ]

[= *Rytidhalea angusta* Okamura イソムラサキ]

Symphyocladia linearis (Okamura ex De Toni)

Falkenberg ホソコザネモ

[= *Placophora linearis* Okamura ex De Toni]

Symphyocladia marchantioides (Harvey) Falkenberg コザネモ

[= *Placophora latiuscula* Okamura ex De Toni]

[= *Symphyocladia latissima* Yendo]

Symphyocladia pumila (Yendo) Uwai & Masuda ヒメコザネ

[= *Pterosiphonia pumila* Yendo]

[= *Symphyocladia pennata* Okamura ヒメコザネ]

[*Pterosiphonia parasitica* auct. non (Hudson) Falkenberg: Yendo (1918)]

Genus *Symphyocladia* D.E.Bustamante, B.Y.Won & T.O.Cho, 2019 セトウチハネグサ属 (新称)

Symphyocladia dendroidea (Montagne)

D.E.Bustamante, B.Y.Won, S.C.Lindstrom & T.O.Cho セトウチハネグサ

[= *Pterosiphonia tanakae* Uwai & Masuda セトウチハネグサ]

[= *Symphyocladia tanakae* (Uwai & Masuda) Savoie & G.W.Saunders]

Note: Formerly identified as *Pterosiphonia tanakae* in Japan (Yoshida *et al.*, 2015), this species was synonymized with *P. dendroidea* by Bustamante *et al.* (2016).

Subsequently, it was transferred to *Symphyocladia* by Savoie & Saunders (2016) and later to *Symphyocladia* by Bustamante *et al.* (2019).

Genus *Xiphosiphonia* Savoie & G.W.Saunders, 2016 ハネグサ属

Xiphosiphonia pinnulata (Kützting) Savoie &

G.W.Saunders ハネグサ

[= *Pterosiphonia pinnulata* (Kützting) Maggs & Hommersand]

[*Pterosiphonia pennata* auct. non (C.Agardh) Sauvageau: Okamura (1902) ハネグサ]

Note: Savoie & Saunders (2016) transferred *Pterosiphonia pinnulata* to *Xiphosiphonia*.

Tribe Rhodomeleae J.Agardh, 1841 フジマツモ連

Genus *Leachiella* Kugrens, 1982 ハネグサヤドリ属

Leachiella pacifica Kugrens ハネグサヤドリ

Genus *Neorhodomela* Masuda, 1982 フジマツモ属

Neorhodomela aculeata (Perestenko) Masuda フジマツモ

[= *Rhodomela larix* subsp. *aculeata* Perestenko]

[*Rhodomela larix* auct. non (Turner) C.Agardh: Okamura (1902) フジマツモ]

Neorhodomela enomotoi Masuda & Kogame セトウチフジマツモ

Neorhodomela munita (Perestenko) Masuda イトフジマツ

[= *Rhodomela munita* Perestenko]

[*Rhodomela subfusca* auct. non (Woodward) C.Agardh: Okamura (1902) イトフジマツ]

[*Rhodomela lycopodioides* auct. non (Linnaeus) C.Agardh: Okamura (1916)]

Neorhodomela oregona (Doty) Masuda アッケシフジマツモ

Genus *Odonthalia* Lyngbye, 1819 nom. cons ノコギリヒバ属

Odonthalia annae Perestenko アリュウシヤンノコギリヒバ

[*Odonthalia aleutica* auct. non (C.Agardh) J.Agardh:

Okamura (1902) アリュウシヤンノコギリヒバ]

Odonthalia corymbifera (S.G.Gmelin) Greville ハケサキノコギリヒバ

[= *Odonthalia obtusangula* Harvey]

Odonthalia kawabatae Masuda シコタンノコギリヒバ

Odonthalia macrocarpa Masuda オオノコギリヒバ

Odonthalia yamadae Masuda アッケシノコギリヒバ

[*Odonthalia kamtschatica* auct. non (Ruprecht) J.Agardh:

Okamura (1932) カムチャツカノコギリヒバ]

Genus *Rhomomela* C.Agardh, 1822 nom. cons. セイヨウフジマツモ属

Rhomomela sachalinensis Masuda カラフトフジマツモ

[= *Neorhomomela sachalinensis* (Masuda) Perestenko]

[*Rhomomela macracantha* auct. non Setchell: Tokida (1934) ニレツフジマツ]

Rhomomela tenuissima (Ruprecht) Kjellman ミヤビフジマツモ

[= *Rhomomela lycopodioides* f. *tenuissima* (Ruprecht)

Kjellman]

Note: Historically, this species was treated as a form of *Rhomomela lycopodioides* in Japan (Yoshida *et al.*, 2015). However, Klochkova *et al.* (2021) and other studies have since recognized it as a distinct species.

Rhomomela teres (Perestenko) Masuda ホソバフジマツモ

[= *Rhomomela gracilis* Yamada & Y.Nakamura nom. illeg.

ホソバフジマツモ]

Tribe Strebloladiaceae Díaz-Tapia & Maggs *in* Díaz-Tapia *et al.* (2017) ストレブロクラディア連

Genus *Eutrichosiphonia* Savoie & G.W.Saunders, 2018

ケイトグサ属 (新称)

Eutrichosiphonia tapinocarpa (Suringar)

D.E.Bustamante & T.O.Cho ケイトグサ

[= *Polysiphonia tapinocarpa* Suringar]

Note: Bustamante *et al.* (2021) transferred *Polysiphonia tapinocarpa* to *Eutrichosiphonia*.

Genus *Leptosiphonia* Kylin, 1956 モツレイトグサ属 (新称)

Leptosiphonia fibrillosa (C.Agardh) Savoie &

G.W.Saunders モツレイトグサ

[= *Polysiphonia richardsonii* Hooker ex Harvey モツレイトグサ]

Note: Historically, this species was identified as *Polysiphonia richardsonii* in Japan (Yoshida *et al.*, 2015); however, Maggs & Hommersand (1993) synonymized it with *P. fibrillosa*. Subsequently, Savoie & Saunders (2018) transferred *P. fibrillosa* to *Leptosiphonia*.

Genus *Melanothamnus* Bornet & Falkenberg, 1901 キブリイトグサ属 (新称)

[= *Kintarosiphonia* Uwai & Masuda, 1999 ケハネグサ属]

[= *Neosiphonia* M.S.Kim & I.K.Lee, 1999]

Note: Díaz-Tapia *et al.* (2017a) synonymized

Kintarosiphonia and *Neosiphonia* with *Melanothamnus*.

Melanothamnus akkeshiensis (Segi) Savoie &

G.W.Saunders アッケシイトグサ

[= *Polysiphonia akkeshiensis* Segi]

Note: Historically, this species was synonymized with *Neosiphonia japonica* (presently *Melanothamnus japonicus*) in Japan (Yoshida *et al.*, 2015); however, Savoie & Saunders (2015) reinstated it as a distinct species. Subsequently, Savoie & Saunders (2018) transferred *P. akkeshiensis* to *Melanothamnus*.

Melanothamnus decumbens (Segi) Díaz-Tapia & Maggs
リボンイトグサ

[= *Polysiphonia decumbens* Segi]

[= *Neosiphonia decumbens* (Segi) M.S.Kim & I.K.Lee]

Melanothamnus ferulaceus (Suhr ex J.Agardh) Díaz-Tapia & Maggs ボウイトグサ

[= *Polysiphonia ferulacea* Suhr ex J.Agardh]

[= *Neosiphonia ferulacea* (Suhr ex J.Agardh)

S.M.Guimarães & M.T.Fujii]

Melanothamnus fibrillosus (Okamura) Díaz-Tapia & Maggs ケハネグサ

[= *Pterosphonia fibrillosa* Okamura]

[= *Kintarosiphonia fibrillosa* (Okamura) Uwai & Masuda]

Melanothamnus harlandii (Harvey) Díaz-Tapia & Maggs タイワンイトグサ

[= *Polysiphonia harlandii* Harvey]

[= *Neosiphonia harlandii* (Harvey) M.S.Kim & I.K.Lee]

Melanothamnus harveyi (J.W.Bailey) Díaz-Tapia &

Maggs ハーベイイトグサ (新称)

[= *Neosiphonia harveyi* (J.W.Bailey) M.S.Kim, H.G.Choi,
Guiry & G.W.Saunders]

Melanothamnus japonicus (Harvey) Díaz-Tapia &**Maggs** キブリイトグサ

[= *Polysiphonia japonica* Harvey]
[= *Neosiphonia japonica* (Harvey) M.S.Kim & I.K.Lee]
[= *Polysiphonia siretokensis* Yamada & Tak.Tanaka キタ
イトグサ]
[= *Polysiphonia nipponica* Segi ニッポンイトグサ]
[= *Polysiphonia grateloupeoides* Noda エチゴヒナイト
グサ]
[= *Polysiphonia cystophyllicola* Noda ヒフミイトグサ]
[= *Polysiphonia echigoensis* Noda エチゴイトグサ]
[*Polysiphonia savatieri* auct. non Hariot: Okamura (1902)]
[*Polysiphonia fibrillosa* auct. non (C.Agardh) Sprengel:
Okamura (1902)]
[*Polysiphonia flexella* auct. non (C.Agardh) J.Agardh:
Yendo (1916)]
[*Polysiphonia mollis* auct. non Hooker f. & Harvey: Yendo
(1916)]
[*Polysiphonia violacea* auct. non (Roth) Sprengel: Yamada
(1928)]
[*Polysiphonia novae-angliae* auct. non W.R.Taylor: Segi
(1951) ナガツボイトグサ]
[*Polysiphonia spinosa* auct. non (C.Agardh) J.Agardh: Segi
(1951) トゲイトグサ]

Melanothamnus notoensis (Segi) Díaz-Tapia & Maggs

ノトイトグサ

[= *Polysiphonia notoensis* Segi]
[= *Neosiphonia notoensis* (Segi) M.S.Kim & I.K.Lee]
[*Polysiphonia cancellata* auct. non Harvey: Yendo (1916)]

Melanothamnus porrectus (Segi) Díaz-Tapia & Maggs

ナガイトグサ

[= *Polysiphonia porrecta* Segi]
[= *Neosiphonia porrecta* (Segi) Y.P.Lee]
Note: Lee (2008) transferred *Polysiphonia porrecta*
to *Neosiphonia*. Subsequently, Díaz-Tapia *et al.*
(2017b) transferred *N. porrecta* to *Melanothamnus*.

Melanothamnus savatieri (Hariot) Díaz-Tapia & Maggs

ヒメイトグサ

[= *Polysiphonia savatieri* Hariot]

[= *Polysiphonia japonica* var. *savatieri* (Hariot) H.Y.Yoon]

[= *Neosiphonia savatieri* (Hariot) M.S.Kim & I.K.Lee]

[= *Polysiphonia aggregata* Segi シマイトグサ]

Melanothamnus sphaerocarpus (Børgesen) Díaz-Tapia

& Maggs ヒナイトグサ

[= *Polysiphonia sphaerocarpa* Børgesen]
[= *Neosiphonia sphaerocarpa* (Børgesen) M.S.Kim &
I.K.Lee]
[*Polysiphonia pulvinata* auct. non (Roth) Sprengel: Segi
(1951) ヒナイトグサ]

Melanothamnus tongatensis (Harvey ex Kützinger) Díaz-

Tapia & Maggs ベニボッス

[= *Polysiphonia tongatensis* Harvey ex Kützinger]
[= *Neosiphonia tongatensis* (Harvey ex Kützinger) M.S.Kim
& I.K.Lee]

Melanothamnus yendoi (Segi) Díaz-Tapia & Maggs エ

ンドウイトグサ

[= *Polysiphonia yendoi* Segi]
[= *Neosiphonia yendoi* (Segi) M.S.Kim & I.K.Lee]
[= *Polysiphonia obsoleta* Segi ホソイトグサ]
[= *Polysiphonia latiovalis* Noda ウスムラサキイトグサ]
[*Polysiphonia fibrata* auct. non (Dillwyn) Harvey: Yendo
(1918)]
[*Polysiphonia codiicola* auct. non Zanardini: Segi (1951)
バライトグサ]
[*Polysiphonia scopulorum* auct. non Harvey: Segi (1951)
オワリイトグサ]
[*Polysiphonia subtilissima* auct. non Montagne: Segi
(1951) キヌコマチ]

Genus Savoiea M.J.Wynne, 2018 イトヤナギ属 (新
称)**Savoiea bipinnata** (Postels & Ruprecht) M.J.Wynne イ
トヤナギ

[= *Pterosiphonia bipinnata* (Postels & Ruprecht)
Falkenberg]
Note: Savoie & Saunders (2016) transferred
Pterosiphonia bipinnata to *Polyostea*. Subsequently,
Wynne (2018) transferred *Po. bipinnata* to *Savoiea*.

Genus Tolypiocladia F.Schmitz *in* Engler & Prantl
(1897) イトクズグサ属

[= *Roschera* Sonder, 1879 nom. illeg. イトクズグサ属]

Tolypocladia glomerulata (C.Agardh) F.Schmitz イトクズグサ

[= *Polysiphonia glomerulata* (C.Agardh) Sprengel]

[= *Roschera glomerulata* (C.Agardh) Weber-van Bosse]

[= *Polysiphonia calacantha* Harvey]

Genus *Vertebrata* Gray, 1821 マキイトグサ属

[= *Enelittosiphonia* Segi, 1949 マキイトグサ属]

Note: Díaz-Tapia *et al.* (2017a) synonymized

Enelittosiphonia with *Vertebrata*.

Vertebrata fruticulosa (Wulfen) Kuntze ハリマイトグサ

[= *Polysiphonia fruticulosa* (Wulfen) Sprengel]

Note: Díaz-Tapia *et al.* (2017a) transferred *Polysiphonia fruticulosa* to *Vertebrata*.

Vertebrata stimpsonii (Harvey) Kuntze マキイトグサ

[= *Polysiphonia stimpsonii* Harvey]

[= *Enelittosiphonia stimpsonii* (Harvey) T.Kudo & Masuda]

[= *Polysiphonia hakodatensis* Yendo マキイトグサ]

[= *Enelittosiphonia hakodatensis* (Yendo) Segi]

[= *Polysiphonia ohmaensis* T.Ohta オオマイトグサ]

Rhodomelaceae tribus incertae sedis 連の所属不明

Genus *Exophyllum* Weber-van Bosse, 1911 アツバコウモリノリ属

Exophyllum wentii Weber-van Bosse アツバコウモリノリ

Genus *Neochondria* Sutti, M.Tani, Y.Yamagishi,

Tsu.Abe & Kogame *in* Sutti *et al.* (2018) ホソヤナギノリ属 (新称)

Neochondria ammophila Sutti, M.Tani, Y.Yamagishi, Tsu.Abe & Kogame ホソヤナギノリ

[*Laurencia tenuissima* auct. non (Withering) Greville: Martens (1868)]

[*Chondria tenuissima* auct. non (Withering) C.Agardh: De Toni (1895) ホソヤナギノリ]

Note: Historically, this species was identified as *Chondria tenuissima* in Japan (Yoshida *et al.*, 2015). However, Sutti *et al.* (2018) demonstrated that the Japanese specimens

represent a distinct species from *C. tenuissima* and described it as *Neochondria ammophila* based on the type collected from Momonai, Hokkaido Prefecture, Japan.

Family Wrangeliaceae J.Agardh, 1851 ランゲリア科

Note: The classification of tribes and genera within the Wrangeliaceae is based on Athanasiadis (1996), Maggs & McIvor (2002), and Choi *et al.* (2008).

Tribe Compsothamnieae F.Schmitz & Hauptfleisch *in* Engler & Prantl (1897) コンプソタムニオン連

Genus *Haloplegma* Montagne, 1842 ベニゴウシ属

Haloplegma duperreyi Montagne ベニゴウシ

Tribe Dasyphileae F.Schmitz & Hauptfleisch *in* Engler & Prantl (1897) オキシノブ連

Genus *Dasyphila* Sonder, 1845 オキシノブ属

Dasyphila plumarioides Yendo オキシノブ

Tribe Griffithsieae F.Schmitz & Hauptfleisch *in* Engler & Prantl (1897) カザシグサ連

Genus *Anotrichium* Nägeli, 1862 キヌゲグサ属

Anotrichium furcellatum (J.Agardh) Baldock キヌゲグサ

[= *Neomonospora furcellata* (J.Agardh) Feldmann-Mazoyer & Meslin]

[= *Monosporus tenuis* Okamura キヌゲグサ]

[= *Anotrichium okamurae* Baldock] *Replacement name

Anotrichium tenue (C.Agardh) Nägeli ケカザシグサ

[= *Griffithsia tenuis* C.Agardh]

Anotrichium yagii (Okamura) Baldock イトキヌゲ

[= *Monosporus yagii* Okamura]

[= *Neomonospora yagii* (Okamura) Yamada]

Genus *Griffithsia* C.Agardh, 1817 nom. et orth. cons. カザシグサ属

Griffithsia coacta Okamura ワタゲカザシグサ

Griffithsia coacta* var. *crassa Okamura

Griffithsia heteroclada Yamada & Y.Hasegawa オクノ
カザシグサ

[= *Griffithsia rhizoidea* Noda ネダシカザシグサ]

[*Griffithsia corallina* auct. non C.Agardh: Yamada (1928)
コツブカザシグサ]

[*Griffithsia corallinoides* auct. non (Linnaeus) Trevisan:
Yoshida *et al.* (1985) コツブカザシグサ]

Griffithsia heteromorpha Kützting ヒメカザシグサ
(新称)

[= *Griffithsia rhizophora* Grunow ex Weber-van Bosse]

Griffithsia japonica Okamura カザシグサ

[*Griffithsia schousboei* auct. non Montagne: Yendo (1914)]

Griffithsia okiensis Kajimura オキカザシグサ

Griffithsia subcylindrica Okamura キヌイトカザシグサ

Griffithsia tomo-yamadae Okamura オオカザシグサ

Griffithsia venusta Yamada タマカザシグサ

Tribe Gymnothamnieae Kajimura, 1989 ベニハネグ
サ連

Genus *Gymnothamnion* J.Agardh, 1892 ベニハネグサ属

Gymnothamnion elegans (Schousboe ex C.Agardh)

J.Agardh ベニハネグサ

Tribe Lejolisieae Feldmann-Mazoyer, 1941 レジョリ
シア連

Genus *Lejolisia* Bornet, 1859 レジョリシア属

Lejolisia pacifica Itono

Tribe Monosporeae F.Schmitz & Hauptfleisch *in*
Engler & Prantl (1897) モノスポルス連

Genus *Tanakaella* Itono, 1977 ハイキヌゲ属

Tanakaella japonica Itono

Tanakaella sericata (Segawa) Huisman & Gordon-Mills
ハイキヌゲ

[= *Neomonospora sericata* Segawa]

[= *Corynospora sericata* (Segawa) T.Yoshida]

[= *Monosporus sericatus* (Segawa) T.Yoshida]

Tribe Plumarielleae Kajimura, 1986 イトシノブ連

Genus *Plumariella* Okamura, 1930 イトシノブ属

Plumariella minima Kajimura チャボイトシノブ

Plumariella yoshikawae Okamura イトシノブ

Tribe Ptiloteae F.Schmitz & Hauptfleisch *in* Engler &
Prantl (1897) クシベニヒバ連

Genus *Ptilota* C.Agardh, 1817 nom. et typ. cons. クシ
ベニヒバ属

[= *Neoptilota* Kylin, 1956 カタバベニヒバ属]

Note: Bruce & Saunders (2016) synonymized *Neoptilota*
with *Ptilota*.

Ptilota asplenoides (Esper) C.Agardh カタバベニヒバ

[= *Neoptilota asplenoides* (Esper) Kylin ex Scagel,
Garbary, Golden & M.W.Hawkes]

Ptilota dentata Okamura ベニヒバ

[= *Psilothallia dentata* (Okamura) Kylin]

Note: Historically, this species was referred to *Psilothallia*
in Japan (Yoshida *et al.*, 2015); however, Bruce & Saunders
(2016) reinstated it in *Ptilota*.

Ptilota filicina J.Agardh クシベニヒバ

[*Ptilota pectinata* auct. non (Gunnerus) Kjellman: Okamura
(1902) クシベニヒバ]

[*Ptilota californica* auct. non Ruprecht ex Harvey:
Okamura (1909) カシワバベニヒバ]

Ptilota phacelocarpoides Zinova コバノクシベニヒバ

[*Ptilota pectinata* f. *littoralis* auct. non Kjellman: Okamura
(1909)]

Genus *Tokidaea* T.Yoshida, 1974 ベニハネモ属

Tokidaea corticata (Tokida) T.Yoshida ベニハネモ

[= *Antithamnion corticatum* Tokida]

Tribe Spermothamnieae F.Schmitz & Hauptfleisch *in*
Engler & Prantl (1897) ヒビダマ連

Genus *Gordoniella* Itono, 1977 ヨナクニクスダマ属

Gordoniella yonakuniensis (Yamada & Tak.Tanaka)

Itono ヨナクニクスダマ

[= *Spermothamnion yonakuniense* Yamada & Tak.Tanaka]

Genus *Ptilothamnion* Thuret in Le Jolis (1863) イトヒビダマ属

Ptilothamnion cladophorae (Yamada & Tak.Tanaka)

Feldmann-Mazoyer イトヒビダマ

[= *Spermothamnion cladophorae* Yamada & Tak.Tanaka]

Ptilothamnion pusillum (Okamura & Segawa) Itono

[= *Spermothamnion pusillum* Okamura & Segawa]

Genus *Spermothamnion* Areschoug, 1847 ヒビダマ属
Spermothamnion endophytica Okamura カクレヒビダマ

Genus *Tiffaniella* Doty & Meñez, 1960 ミルヒビダマ属
Tiffaniella apiculata Itono

Tiffaniella codicola (Yamada & Tak.Tanaka) Doty & Meñez ミルヒビダマ

[= *Spermothamnion codicola* Yamada & Tak.Tanaka]

Tiffaniella suyehiroi (Okamura) T.Kaneko スエヒロヒビダマ

[= *Pleonosporium suyehiroi* Okamura]

[= *Spermothamnion suyehiroi* (Okamura) Okamura]

Tiffaniella tamamiru (Segawa) E.M.Gordon タマミルヒビダマ

[= *Spermothamnion tamamiru* Segawa]

Tribe Sphondylothamnieae Feldmann-Mazoyer, 1941
スフォンジロタムニオン連

Genus *Grallatoria* M.Howe, 1920 トゲキヌイトグサ属 (新称)

Grallatoria tanakae (Itono) Athanasiadis トゲキヌイトグサ

[= *Antithamnion tanakae* Itono]

Note: Athanasiadis (1996) transferred *Antithamnion tanakae* to *Grallatoria*.

Tribe Spongocloneae F.Schmitz & Hauptfleisch in Engler & Prantl (1897) ナンカイクダコギヌ連 (新称)

Genus *Pleonosporium* Nägeli, 1862 nom. cons. クスダマ属

[= *Mesothamnion* Børgesen, 1917]

[= *Compsothamnionella* Itono, 1977]

Pleonosporium japonicum Itono

[= *Compsothamnionella japonica* (Itono) Itono]

[= *Callithamnion pedicellatum* Itono nom. illeg.]

Pleonosporium kobayashii Okamura クスダマ

Pleonosporium mageshimense (Itono) R.E.Norris

[= *Compsothamnionella mageshimense* Itono]

Pleonosporium polymorphum Itono モツレクスダマ

[= *Mesothamnion polymorphum* (Itono) Itono]

Pleonosporium pusillum Yamada チャボクスダマ

Pleonosporium segawae T.Yoshida ハネクスダマ

[= *Pleonosporium pinnatum* Okamura & Segawa nom.

illeg.] *Replaced synonym

Pleonosporium tohyamanum Tokida & Inaba トオヤマクスダマ

Genus *Spongoclonium* Sonder, 1853 ナンカイクダコギヌ属

Spongoclonium caribaeum (Børgesen) M.J.Wynne ナンカイクダコギヌ

[= *Mesothamnion caribaeum* Børgesen]

[= *Pleonosporium caribaeum* (Børgesen) R.E.Norris]

Spongoclonium yagii (Yamada) H.S.Kim & I.K.Lee クダコギヌ

[= *Mesothamnion yagii* Yamada]

[= *Pleonosporium yagii* (Yamada) R.E.Norris]

Tribe Wrangeliae F.Schmitz & Hauptfleisch in Engler & Prantl (1897) ランゲリア連

Genus *Wrangelia* C.Agardh, 1828 ランゲリア属

Wrangelia tagoi (Okamura) Okamura & Segawa タゴノリ

[= *Dasyphila tagoi* Okamura]

Wrangelia tanegana Harvey ランゲリア

[= *Wrangelia tayloriana* C.K.Tseng ランゲリア]

[= *Wrangelia japonica* Noda ランゲリア]

[= *Wrangelia minor* Noda ヒナランゲリア]

[*Wrangelia penicillata* auct. non (C.Agardh) C.Agardh:

Yendo (1917) オオランゲリア]

[*Wrangelia purpurifera* auct. non J.Agardh: Yendo (1917)]

[*Wrangelia argus* auct. non (Montagne) Montagne:

Okamura (1934) ランゲリア]

Wrangelia tenuis Noda ホソイトランゲリア

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Order Gelidiales Kylin, 1923 テングサ目

Family Gelidiaceae Kützinger, 1843 テングサ科

Heterotypic synonym: Chaetangiaceae Kützinger, 1843 (旧称: ガラガラ科)

Genus *Gelidiophycus* G.H.Boo, J.K.Park & S.M.Boo, 2013 ヒメテングサ属

Gelidiophycus freshwateri G.H.Boo, J.K.Park & S.M.Boo ヒメテングサ

[*Gelidium divaricatum* auct. non G.Martens: Okamura (1900) p.p. ヒメテングサ]

Gelidiophycus hongkongensis Showe M.Lin & Li C.Liu ミナミヒメテングサ (新称)

[*Gelidium divaricatum* auct. non G.Martens: Okamura (1900) p.p. ヒメテングサ (p.p.)]

[*Gelidiophycus divaricatus* auct. non (G.Martens)

G.H.Boo, J.K.Park & S.M.Boo: Boo *et al.* (2013)]

Note: Formerly, Japanese records of *Gelidium divaricatum* (presently *Gelidiophycus divaricatus*) were considered a misapplication of *Gp. freshwateri* (Boo *et al.*, 2013). Lin *et al.* (2018) pointed out that the '*Gp. divaricatus*' identified by Boo *et al.* (2013) represents a misapplication of *Gp. hongkongensis*. Subsequently, Boo *et al.* (2019) confirmed the presence of the taxon in Japan; however, it should be identified as *Gp. hongkongensis*.

Genus *Gelidium* J.V.Lamouroux, 1813 nom. cons. テングサ属

[= *Suhria* J.Agardh ex Endlicher, 1843]

[= *Porphyroglossum* Kützinger, 1847]

[= *Acanthopeltis* Okamura in Yatabe (1892) ユエキリ属]

[= *Yatabella* Okamura, 1900 ヤタベグサ属]

[= *Onikusa* Akatsuka, 1986 オニクサ属]

Note: Boo *et al.* (2016a) synonymized *Acanthopeltis* with *Gelidium*.

Gelidium amamiense Tak.Tanaka & K.Nozaawa シンカイヒメブト

Gelidium crinale (Hare ex Turner) Gaillon イトテングサ

[= *Gelidium repens* Okamura nom. illeg. ハイテングサ]

[*Gelidium pusillum* auct. non (Stackhouse) Le Jolis:

Okamura (1900) ハイテングサ]

Gelidium crinale* f. *latifolium Okamura

Gelidium elegans Kützinger マクサ

[≡ *Gelidium amansii* f. *elegans* (Kützinger) Okamura]

[*Gelidium cartilagineum* auct. non (Linnaeus) Gaillon:

Harvey (1857) p.p. テングサ (p.p.)]

[*Gelidium corneum* auct. non (Hudson) J.V.Lamouroux:

Harvey (1857) トコロテングサ]

[*Gelidium amansii* auct. non (J.V.Lamouroux)

J.V.Lamouroux: Martens (1868) マクサ]

[*Gelidium polystichum* auct. non N.L.Gardner: Segi (1955) エゾテングサ]

[*Gelidium purpurascens* auct. non N.L.Gardner: Segi (1955) ムラサキブト]

[*Gelidium pulchrum* auct. non N.L.Gardner: Segi (1957) ササメブト]

[*Gelidium pyramidale* auct. non N.L.Gardner: Segi (1957) ナガトブト]

Gelidium elegans* f. *elatum (Okamura) Mas.Suzuki & Kitayama

[≡ *Gelidium amansii* f. *elatum* Okamura]

Note: Yoshida (1992) demonstrated that the Japanese records of *Gelidium amansii* represent a distinct species and assigned them to *G. elegans*. Accordingly, the transfer of *G. amansii* f. *elatum* to *G. elegans* was proposed (p. 142).

Gelidium elegans* f. *elongatum (Segi) Mas.Suzuki & Kitayama

[≡ *Gelidium purpurascens* f. *elongatum* Segi]

Note: Yoshida (1998) suggested that *Gelidium purpurascens* recorded by Segi (1955) is a misapplied

name of *G. elegans*. Accordingly, the transfer of *G. purpurascens* f. *elongatum* to *G. elegans* was proposed (p. 142).

Gelidium elegans* f. *pinnatum (Segi) Mas.Suzuki & Kitayama

[≡ *Gelidium purpurascens* f. *pinnatum* Segi]

Note: Yoshida (1998) suggested that *Gelidium purpurascens* recorded by Segi (1955) is a misapplied name for *G. elegans*. Accordingly, the transfer of *G. purpurascens* f. *pinnatum* to *G. elegans* was proposed (p. 142).

Gelidium elegans* f. *teretiusculum (Okamura)

Mas.Suzuki & Kitayama

[≡ *Gelidium amansii* f. *teretiusculum* Okamura]

Note: Yoshida (1992) demonstrated that the Japanese records of *Gelidium amansii* represent a distinct species and assigned them to *G. elegans*. Accordingly, the transfer of *G. amansii* f. *teretiusculum* to *G. elegans* was proposed (p. 142).

Gelidium foliaceum (Okamura) Tronchin ヒロハハイ
テングサ

[≡ *Gelidium pusillum* f. *foliaceum* Okamura]

[≡ *Onikusa foliacea* (Okamura) R.E.Norris]

Gelidium hirsutum (Okamura) G.H.Boo & R.Terada ヤ
タベグサ

[≡ *Yatabella hirsuta* Okamura]

[≡ *Acanthopeltis hirsuta* (Okamura) S.Shimada,
T.Horiguchi & Masuda]

Gelidium inagakii T.Yoshida ヒメヒラ

[≡ *Gelidium nanum* Inagaki nom. illeg.] *Replaced
synonym

Gelidium isabelae W.R.Taylor ヘラヒメブト

Gelidium japonicum (Harvey) Okamura オニクサ

[≡ *Suhria japonica* Harvey]

[≡ *Onikusa japonica* (Harvey) Akatsuka]

[*Gelidium pristoides* auct. non (Turner) Kützinger:
Martens (1868)]

[*Porphyroglossum japonicum* (Harvey) F.Schmitz nom.
inval.]

Gelidium johnstonii Setchell & N.L.Gardner ツヤクサ

[≡ *Gelidium koshikianum* S.Shimada, T.Horiguchi &
Masuda サツマテングサ]

Gelidium linoides Kützinger キスクサ

Gelidium longiramulosum (Y.P.Lee & B.S.Kim)
G.H.Boo

[≡ *Acanthopeltis longiramulosa* Y.P.Lee & B.S.Kim]

Gelidium pacificum Okamura オオブサ

[*Gelidium cartilagineum* auct. non (Linnaeus) Gaillon:
Harvey (1857) p.p. テングサ (p.p.)]

Gelidium pulchellum (Turner) Kützinger リュウキュ
ウブト

[≡ *Gelidium corneum* var. *pulchellum* (Turner) Greville]

Note: Segi (1957) reported this species from Japan as
Gelidium corneum var. *pulchellum*.

Gelidium subfastigiatum Okamura ナンブグサ

Gelidium tenue Okamura コヒラ

Gelidium tenuifolium S.Shimada, T.Horiguchi &
Masuda ウスバテングサ

Gelidium vagum Okamura ヨレクサ

Gelidium yamadae K.C.Fan コブサ

[≡ *Gelidium densum* Okamura nom. illeg.] *Replaced
synonym

Gelidium yoshidae G.H.Boo & R.Terada ヨイキリ

[≡ *Acanthopeltis japonica* Okamura] *Replaced synonym
[*Castraltia salicornioides* auct. non A.Richard: Martens
(1868)]

Genus *Ptilophora* Kützinger, 1847 ヒラクサ属

[≡ *Beckerella* Kylin, 1956 ヒラクサ属]

Ptilophora irregularis (Akatsuka & T.Masaki)

R.E.Norris ナガヒラクサ

[≡ *Beckerella irregularis* Akatsuka & T.Masaki]

Ptilophora subcostata (Okamura) R.E.Norris ヒラクサ

[≡ *Gelidium subcostatum* Okamura]

[≡ *Beckerella subcostata* (Okamura) Kylin]

Family Gelidiellaceae K.C.Fan, 1961 シマテングサ科

Genus *Gelidiella* Feldmann & Hamel, 1934 シマテン
グサ属

Gelidiella acerosa (Forsskål) Feldmann & Hamel シマ
テングサ

[≡ *Gelidium rigidum* (C.Agardh) Greville シマテングサ]

[≡ *Gelidiopsis rigida* (C.Agardh) Weber-van Bosse]

Gelidiella fanii Showe M.Lin カタバシマテングサ
(新称)

Gelidiella flabella G.H.Boo & L.Le Gall ササバシマテ
ングサ

[*Gelidiella ligulata* auct. non E.Y.Dawson: Shimada &
Masuda (1999) ササバシマテングサ]

Note: Formerly, this species was identified as *Gelidiella
ligulata* in Japan (Yoshida *et al.*, 2015). However, Boo *et
al.* (2016b) demonstrated that these Japanese records are a
misapplication of *G. flabella*.

Genus *Huismaniella* G.H.Boo & S.M.Boo in Boo *et al.*
(2016) キッコウシマテングサ属 (新称)

Huismaniella ramellosa (Kützinger) G.H.Boo & S.M.Boo
キッコウシマテングサ

[≡ *Gelidiella ramellosa* (Kützinger) Feldmann & Hamel]

Note: Boo *et al.* (2016b) transferred *Gelidiella ramellosa* to
Huismaniella.

Genus *Millerella* G.H.Boo & S.M.Boo in Boo *et al.*
(2016) イトシマテングサ属

Millerella pannosa (Feldmann) G.H.Boo & L.Le Gall
イトシマテングサ

[≡ *Gelidiella pannosa* (Feldmann) Feldmann & Hamel]

[≡ *Parviphycus pannosus* (Feldmann) G.Furnari]

[≡ *Parviphycus tenuissimus* Santelices イトシマテングサ]

Note: Boo *et al.* (2016b) transferred *Gelidiella pannosa* to
Millerella.

Family Orthogonacladiaceae G.H.Boo, L.Le Gall,
K.A.Miller & S.M.Boo in Boo *et al.* (2016) オルソゴナ
クラディア科

Genus *Aphanta* Tronchin & Freshwater, 2007 アファ
ンタ属

Aphanta asiatica Xu Lei Wang, Z.Sun & Guang C.Wang

Note: Wang *et al.* (2020) recorded this species as a new
record for Japan.

Family Pterocladaceae Felicini & C.Perrone in

Perrone *et al.* (2006) オバクサ科

Genus *Pterocladia* Santelices & Hommersand, 1997
オバクサ属

Pterocladia caerulescens (Kützinger) Santelices &
Hommersand アオオバクサ

[≡ *Gelidium pusillum* var. *conchicola* Piccone & Grunow
ケスジハイテングサ]

Pterocladia caloglossoides (M.Howe) Santelices ヒ
メオバクサ

Pterocladia capillacea (S.G.Gmelin) Santelices &
Hommersand カタオバクサ

[≡ *Gelidium corneum* var. *capillaceum* (S.G.Gmelin)
Greville]

[≡ *Pterocladia capillacea* (S.G.Gmelin) Bornet オバクサ
(p.p.)]

[≡ *Pterocladia densa* Okamura カタオバクサ]

Pterocladia nana (Okamura) S.Shimada, T.Horiguchi
& Masuda チャボオバクサ

[≡ *Pterocladia nana* Okamura]

Pterocladia tenuis (Okamura) S.Shimada, T.Horiguchi
& Masuda オバクサ

[≡ *Pterocladia tenuis* Okamura]

[≡ *Gelidium decumbensum* Okamura タオレグサ]

Order Gigartinales F.Schmitz, 1892 スギノリ目

Family Caulacanthaceae Kützinger, 1843 イソモッカ科

Genus *Catenella* Greville, 1830 nom. cons. イソモッ
カ属

Catenella caespitosa (Withering) L.M.Irvine イソモッカ
[≡ *Catenella opuntia* (Goodenough & Woodward) Greville
イソモククワ]

Catenella impudica (Montagne) J.Agardh シオカワモ
ッカ

Genus *Caulacanthus* Kützinger, 1843 イソダンツウ属
Caulacanthus okamurae Yamada イソダンツウ

[≡ *Endocladia complanata* auct. non Harvey: Okamura]

(1902) イソダンツウ]

[*Caulacanthus rigidus* auct. non Kützing: Yendo (1909)]

[*Caulacanthus ustulatus* auct. non (Turner) Kützing:

Yoshida *et al.* (1995) イソダンツウ]

[*Feldmannophycus okamurae* (Yamada) Mineur, Maggs & Verlaque nom. inval.]

Note: Historically, this species was identified as

Caulacanthus ustulatus in Japan (Yoshida *et al.*, 2015);

however, Lee *et al.* (2001) and Zuccarello *et al.* (2002)

demonstrated that the Japanese specimens represent a

species distinct from *C. ustulatus* and reinstated *C.*

okamurae as a distinct species. Zenetos *et al.* (2008) cited

this species as '*Feldmannophycus okamurae*'; however,

this name has never been validly published.

Family Cystocloniaceae Kützing, 1848 イバラノリ科

[= Hypneaceae J.Agardh, 1851 イバラノリ科]

[= Rhodophyllidaceae F.Schmitz in Engler (1892) アミハダ科]

Note: Saunders *et al.* (2004) synonymized Hypneaceae and Rhodophyllidaceae with Cystocloniaceae.

Genus *Calliblepharis* Kützing, 1843 nom. cons. サイダイバラ属 (新称)

Calliblepharis saidana (Holmes) M.Y.Yang & M.S.Kim
サイダイバラ

[= *Hypnea saidana* Holmes]

Note: Yang & Kim (2017) transferred *Hypnea saidana* to *Calliblepharis*.

Calliblepharis saidana f. gracilis (Tak.Tanaka)

Mas.Suzuki & Kitayama コサイダイバラ

[= *Hypnea saidana f. gracilis* Tak.Tanaka]

Note: Following the transfer of *Hypnea saidana* to

Calliblepharis by Yang & Kim (2017), the transfer of *H.*

saidana f. gracilis to *Calliblepharis* was proposed (p. 141).

Calliblepharis yasutakei Paiano & A.R.Sherwood ヤステケイバラ

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

Genus *Hypnea* J.V.Lamouroux, 1813 イバラノリ属

Hypnea asiatica Geraldino, E.C.Yang & S.M.Boo イバラノリ

[*Hypnea seticulosa* auct. non J.Agardh: Okamura (1902) イバラノリ]

[*Hypnea charoides* auct. non J.V.Lamouroux: Tanaka (1941) イバラノリ]

Hypnea cervicornis J.Agardh カヅノイバラ

[= *Hypnea flexicaulis* Y.Yamagishi & Masuda カヅノイバラ]

Note: Formerly, *Hypnea cervicornis* was considered as a misapplication of *H. flexicaulis* in Japan (Yoshida *et al.*, 2015). However, Jesus *et al.* (2016) demonstrated that these specimens are *H. cervicornis* and synonymized *H. flexicaulis* with *H. cervicornis*.

Hypnea chordacea Kützing ヒモイバラ

[= *Hypnea simpliciuscula* Okamura ex De Toni]

[= *Hypnea chordacea f. simpliciuscula* (Okamura ex De Toni) Tak.Tanaka コヒモイバラ]

Hypnea corona Huisman & Petrocelli ホシガタイバラ

[*Hypnea cornuta* auct. non (Kützing) J.Agardh: Tanaka (1941) ホシガタイバラ]

Note: Historically, this species was identified as *Hypnea cornuta* in Japan (Yoshida *et al.*, 2015). However, Huisman *et al.* (2021) demonstrated that these Japanese records are a misapplication of *H. corona*.

Hypnea djamilae P.B.Jesus, Lyra, J.M.C.Nunes & M.C.Oliveira

Note: Jesus *et al.* (2023) demonstrated that the *rbcL* sequence of '*Hypnea pannosa*' collected from Cape Hedo, Okinawa Prefecture, Japan by Yamagishi & Masuda (2000), matches *H. djamilae*.

Hypnea flagelliformis Greville ex J.Agardh スジイバラノリ

Hypnea japonica Tak.Tanaka カギイバラノリ

[*Hypnea musciformis* auct. non (Wulfen) J.V.Lamouroux: Martens (1868) カギイバラノリ]

[*Hypnea esperi* auct. non Bory: Martens (1868)]

Hypnea pannosa J.Agardh コケイバラ

Hypnea variabilis Okamura タチイバラ

Hypnea yamadae Tak.Tanaka ベニイバラノリ

***Hypnea* sp. 1 オオコケイバラ**

[*Hypnea cenomyce* auct. non J.Agardh: Tanaka (1941) オ

オコケイバラ]

Note: Historically, this species was identified as *Hypnea cenomyce* in Japan (Yoshida *et al.*, 2015). However, Yamagishi & Masuda (1997) demonstrated that Japanese records of *H. cenomyce* represent a distinct entity, which they referred to as '*Hypnea* sp.'. Therefore, it is tentatively treated as '*Hypnea* sp.' in the present checklist.

***Hypnea* sp. 2 ヒメイバラノリ**

[*Hypnea esperi* auct. non Bory: Tanaka (1941) ヒメイバラノリ]

[*Hypnea spinella* auct. non (C.Agardh) Kützinger: Yamagishi & Masuda (1997) ヒメイバラノリ]

Note: Formerly, this species was identified as *Hypnea spinella* in Japan (Yoshida *et al.*, 2015); however, Nauer *et al.* (2014) and Jesus *et al.* (2023) demonstrated that these Japanese records represent a misapplication. Therefore, it is tentatively treated as '*Hypnea* sp.' in the present checklist.

Genus *Hypneocolax* Børgesen, 1920 アネヤカタノリ属
Hypneocolax stellaris* f. *orientalis Weber-van Bosse アネヤカタノリ

Genus *Rhodophyllis* Kützinger, 1847 nom. cons. アミハダ属

Rhodophyllis capillaris Tokida イトアミハダ

Family Dumontiaceae Bory in Duperrey (1828) リュウモンソウ科

Genus *Constantinea* Postels & Ruprecht, 1840 オキツバラ属

Constantinea rosa-marina (S.G.Gmelin) Postels & Ruprecht オキツバラ

Constantinea subulifera Setchell オオバオキツバラ

Genus *Dudresnaya* P.Crouan & H.Crouan, 1835 nom. et typ. cons. ヒビロード属

Dudresnaya japonica Okamura ヒビロード

Dudresnaya kuroshioensis Kajimura クロシオヒビロード

Dudresnaya okiensis Kajimura オキヒビロード

Dudresnaya ryukyuensis M.Hoshino, Wakeman, Kitayama & Kogame シマヒビロード

Note: Hoshino *et al.* (2024) described this species based on the type collected from Kin, Okinawa Prefecture, Japan.

Genus *Dumontia* J.V.Lamouroux 1813 リュウモンソウ属

Dumontia contorta (S.G.Gmelin) Ruprecht リュウモンソウ

[= *Dumontia incrassata* (O.F.Müller) J.V.Lamouroux リュウモンソウ]

[= *Dumontia filiformis* (Hornemann) Greville リュウモンソウ]

Dumontia simplex Cotton ヘラリュウモン

Genus *Farlowia* J.Agardh 1876 クシバニセカレキグサ属

Farlowia mollis (Harvey & J.W.Bailey) Farlow & Setchell クシバニセカレキグサ

Genus *Gibsmithia* Doty, 1963 エツキヒビロード属
Gibsmithia hawaiiensis Doty エツキヒビロード

Genus *Himehibirhodia* M.Hoshino, Wakeman, Kitayama & Kogame in Hoshino *et al.* (2024) ヒメヒビロード属

Note: Hoshino *et al.* (2024) described this genus and transferred *Dudresnaya minima* to it.

Himehibirhodia minima (Okamura) M.Hoshino, Kitayama & Kogame ヒメヒビロード

[≡ *Dudresnaya minima* Okamura]

[= *Thuretellopsis japonica* Segawa & Ichiki ミスミヒビロード]

Genus *Hyalosiphonia* Okamura, 1909 イソウメモドキ属
Hyalosiphonia caespitosa Okamura イソウメモドキ

Genus *Masudaphycus* S.C.Lindstrom, 1988 ニセカレキグサ属

Masudaphycus irregularis (Yamada) S.C.Lindstrom ニセカレキグサ

[= *Farlowia irregularis* Yamada]

Genus *Neodilsea* Tokida, 1943 アカバ属

Neodilsea crispata Masuda チヂレアカバ

Neodilsea longissima (Masuda) S.C.Lindstrom ナガアカバ

[= *Neodilsea integra* var. *longissima* Masuda]

Neodilsea tenuipes Yamada & Mikami マルバアカバ

Neodilsea yendoana Tokida アカバ

[*Dilsea edulis* auct. non Stackhouse: Yendo (1909) アカバ]

Genus *Pikea* Harvey, 1853 ミチガエソウ属

Pikea yoshizakii Maggs & B.A.Ward ミチガエソウ

[*Pikea californica* auct. non Harvey: Okamura (1921) ミチガエソウ]

Genus *Rhopeltis* Harvey, 1863 ガラガラモドキ属

Rhopeltis borealis Yamada ガラガラモドキ

Family Endocladiaceae Kylin, 1928 フノリ科

Genus *Gloiopeltis* J.Agardh, 1842 フノリ属

[= *Endotrichia* Suringar, 1870]

Gloiopeltis coliformis Harvey オシマフノリ

[= *Gloiopeltis furcata* var. *coliformis* (Harvey) J.Agardh]

[= *Gloiopeltis furcata* f. *coliformis* (Harvey) Okamura キタフノリ]

[= *Gloiopeltis qingjiensis* L.Ding, Jin.Liu & Bi.Huang]

Note: Historically, this species was synonymized with *Gloiopeltis furcata* in Japan (Yoshida *et al.*, 2015); however, Kawai *et al.* (2025) reinstated it as a distinct species. Although Huang *et al.* (2025) described *G. qingjiensis* from China and reported its occurrence in Japan, comparative analysis of the *rbcL* sequences reported by Huang *et al.* (2025) and Kawai *et al.* (2025) reveals that *G. qingjiensis* is conspecific with *G. coliformis*. Consequently, *G. qingjiensis* is here treated as a heterotypic synonym of *G. coliformis*.

Gloiopeltis compacta L.Ding, Jin.Liu & Bi.Huang

Note: Huang *et al.* (2025) described this species in South Korea and reported its occurrence in Japan.

Gloiopeltis complanata (Harvey) Yamada ハナフノリ

[= *Endocladia complanata* Harvey]

[= *Gloiopeltis cervicornis* Suringar ハナフノリ]

[= *Endotrichia cervicornis* (Suringar) Suringar]

Gloiopeltis compressa (Harvey) H.Kawai, K.Yamamura & Hanyuda リュウキュウフノリ

[= *Caulacanthus compressus* Harvey カラカンサ]

Note: Historically, *Caulacanthus compressus* was synonymized with *Gloiopeltis complanata* in Japan (Yoshida *et al.*, 2015). However, Hanyuda *et al.* (2019c) reinstated it as a distinct species and transferred it to *Gloiopeltis*.

Gloiopeltis frutex M.Y.Yang & M.S.Kim ニシハナフノリ (新称)

Note: Hanyuda *et al.* (2019c) confirmed the presence of this species in Japan by providing DNA sequences from specimens collected on the western coast of Kyushu.

Gloiopeltis furcata (Postels & Ruprecht) J.Agardh フクロフノリ

Gloiopeltis furcata f. *intricata* (Suringar) Okamura ミナミフノリ

[= *Gloiopeltis intricata* Suringar]

Gloiopeltis tenax (Turner) Decaisne マフノリ

[= *Gloiopeltis capillaris* Suringar コブノリ]

Family Etheliaceae K.R.Dixon, C.W.Schneider &

G.W.Saunders in Dixon *et al.* (2015) ニクイワノカワ科 (新称)

Note: Dixon *et al.* (2015) described this family and assigned the genus *Ethelia* to it.

Genus *Ethelia* Weber-van Bosse, 1921 ニクイワノカワ属

Ethelia biradiata (Weber-van Bosse) Weber-van Bosse ニクイワノカワ

Family Furcellariaceae Greville, 1830 ススカケベニ科

Genus *Halarachnion* Kützinger, 1843 ススカケベニ属

Halarachnion latissimum Okamura ススカケベニ

Halarachnion parvum Yamada コバノススカケベニ

Genus *Neurocaulon* Zanardini ex Kützinger, 1849 nom. et typ. cons. ジンヨウノリ属

Neurocaulon japonicum Segawa ジンヨウノリ

Genus *Turnerella* F.Schmitz in Engler & Prantl (1896)

エゾナメシ属

Note: Historically, this genus was treated as a member of Solieriaceae in Japan (Yoshida *et al.*, 2015); however, it is currently placed in Furcellariaceae (e.g., Schneider & Wynne, 2007; Rodríguez-Prieto *et al.*, 2013).

Turnerella mertensiana (Postels & Ruprecht) F.Schmitz

エゾナメシ

Family Gigartinaceae Bory in Duperrey (1828) スギノリ科

Genus *Chondracanthus* Kützinger, 1843 スギノリ属

Chondracanthus chamissoi (C.Agardh) Kützinger シキンノリ

[*Gigartina teedei* auct. non (Mertens ex Roth)

J.V.Lamouroux: Hariot (1891) シキンノリ]

[*Chondracanthus teedei* auct. non (Mertens ex Roth)

Kützinger: Yoshida *et al.* (1995) シキンノリ]

Chondracanthus cincinnus M.Y.Yang & M.S.Kim

Note: Yang & Kim (2016) described this species in South Korea and reported its occurrence in Japan.

Chondracanthus intermedius (Suringar) Hommersand
カイノリ

[= *Gigartina intermedia* Suringar]

Chondracanthus okamurai I.A.Abbott ホソバカイノリ (新称)

[*Gigartina intermedia* auct. non Suringar: Okamura (1908. Pl. 35, Fig. 3)]

Note: Although Masuda *et al.* (1999) synonymized this species with *Chondracanthus intermedius*. Yang & Kim (2016) reinstated it as a distinct species.

Chondracanthus saundersii C.W.Schneider & C.E.Lane
ナンカイスギノリ

Note: Suzuki *et al.* (2020) recorded this species as a new record for Japan.

Chondracanthus tenellus (Harvey) Hommersand スギ

ノリ

[= *Gigartina tenella* Harvey]

[= *Chondrus filiformis* Okamura & Segawa イトツノマタ]

[*Gigartina acicularis* auct. non (Roth) J.V.Lamouroux: Martens (1868)]

Genus *Chondrus* Stackhouse, 1797 ツノマタ属

Chondrus armatus (Harvey) Okamura トゲツノマタ

[= *Cystoclonium armatum* Harvey]

[= *Chondrus pinnulatus* f. *armatus* (Harvey) Yamada & Mikami]

Chondrus elatus Holmes コトジツノマタ

[= *Gigartina elata* (Holmes) D.H.Kim]

[= *Chondrus platynus* var. *elongatus* G.Martens]

Chondrus elatus* f. *latus Okamura ヒロハノコトジ

Chondrus giganteus Yendo オオバツノマタ

[= *Chondrus ocellatus* f. *giganteus* (Yendo) Okamura]

Chondrus giganteus* f. *flabellatus Mikami ウチワツノマタ

Chondrus nipponicus Yendo マルバツノマタ

[= *Chondrus ocellatus* f. *nipponicus* (Yendo) Okamura]

[= *Chondrus ocellatus* f. *crispus* Okamura トチャカ (ヤハズツノマタ)]

[*Chondrus crispus* auct. non Stackhouse: Okamura (1902) トチャカ (ヤハズツノマタ)]

Chondrus ocellatus Holmes ツノマタ

Chondrus ocellatus* f. *aequalis Mikami ヤセツノマタ

Chondrus ocellatus* f. *crispoides Mikami トチャカダマシ

Chondrus ocellatus* f. *parvus Mikami ヒメツノマタ

Chondrus pinnulatus (Harvey) Okamura ヒラコトジ

[= *Gymnogongrus pinnulatus* Harvey ヒラサイミ]

Chondrus pinnulatus* f. *flabellatus Tokida ウチワヒラコトジ

Chondrus pinnulatus* f. *longicornis Tokida ハサミヒラコトジ

Chondrus pinnulatus* subf. *latus Tokida クシヒラコトジ

Chondrus retortus Ka.Matsumoto & S.Shimada ネジレツノマタ

Chondrus verrucosus Mikami イボツノマタ

[≡ *Gigartina verrucosa* (Mikami) D.H.Kim nom. illeg.]

[≡ *Gigartina mikamii* T.Yoshida] *Replacement name

[≡ *Gigartina inubozakiensis* P.G.Parkinson nom. illeg.]

*Superfluous name

[≡ *Chondrus ocellatus* f. *canaliculatus* Okamura コマタ]

Chondrus yendoi Yamada & Mikami クロハギンナンソウ (別称: エゾツノマタ)

[≡ *Mazzaella cornucopiae* subsp. *yendoi* (Yamada & Mikami) Perestenko]

[*Iridaea cornucopiae* auct. non Postels & Ruprecht: Yendo (1911) クロハギンナンソウ (アツバギンナンソウ)]

[*Iridaea laminarioides* var. *cornucopiae* auct. non (Postels & Ruprecht) J.Agardh: Yendo (1917)]

[*Iridaea laminarioides* auct. non Bory: Yendo (1917) アツバギンナンソウ (クロハギンナンソウ)]

Chondrus yendoi* f. *fimbriatus Mikami フサツノマタ

Chondrus yendoi* f. *subdichotomus Mikami エダツノマタ

Genus *Mazzaella* G.De Toni, 1936 アカバギンナンソウ属

Mazzaella hemisphaerica (Mikami) T.Yoshida イボギンナン

[≡ *Rhodoglossum hemisphaericum* Mikami]

[≡ *Gigartina hemisphaerica* (Mikami) D.H.Kim]

Mazzaella hemisphaerica* f. *oblongo-ovata (Mikami) T.Yoshida トカチギンナン

[≡ *Rhodoglossum hemisphaericum* f. *oblongo-ovatum* Mikami]

Mazzaella japonica (Mikami) Hommersand アカバギンナンソウ

[≡ *Rhodoglossum japonicum* Mikami]

[≡ *Gigartina japonica* (Mikami) D.H.Kim]

[*Iridaea pulchra* auct. non Kützing: Yendo (1911) ウスバギンナンソウ (アカバギンナンソウ)]

[*Rhodoglossum pulchrum* auct. non (Kützing) Setchell & N.L.Gardner: Nagai (1941) アカバギンナンソウ (ウスバギンナンソウ)]

Mazzaella japonica* f. *divergens (Nagai) Mas.Suzuki & Kitayama エダウチギンナン

[≡ *Rhodoglossum japonicum* f. *divergens* (Nagai) Mikami]

Note: Mikami (1965) transferred *Rhodoglossum pulchrum* f. *divergens* to *R. japonicum* f. *divergens*. Since *R.*

japonicum was transferred to *Mazzaella* by Hommersand *et al.* (1993), the transfer of *R. pulchrum* f. *divergens* to *M. japonica* was proposed (p. 143).

Family Gloiosiphoniaceae F.Schmitz *in* Engler (1892) イトフノリ科

Genus *Gloiosiphonia* Carmichael *in* Berkeley (1833) イトフノリ属

Gloiosiphonia capillaris (Hudson) Carmichael イトフノリ

[≡ *Nemalion japonicum* Yendo & S.Narita エダウチウミゾウメン]

Family Kallymeniaceae Kylin, 1928 ツカサノリ科

Genus *Callophyllis* Kützing, 1843 トサカモドキ属

[≡ *Chondrococcus* Kützing, 1847 (旧称: ナミノハナ属)]

Callophyllis adhaerens Yamada クロトサカモドキ

[*Rhodophyllis capensis* auct. non Kützing: Yendo (1916)]

Callophyllis adnata Okamura ネザシノトサカモドキ

Callophyllis crispata Okamura ヒロハノトサカモドキ

[*Callophyllis laciniata* auct. non (Hudson) Kützing: Yendo (1915)]

Callophyllis hayamensis Yamada エツキノトサカモドキ

Callophyllis japonica Okamura ホソバノトサカモドキ

Callophyllis mageshimensis Tak.Tanaka ナンカイトサカモドキ

Callophyllis palmata Yamada ヤツデガタトサカモドキ

Callophyllis rhynchocarpa Ruprecht ヒメトサカモドキ

Callophyllis serratifolia H.W.Lee & M.S.Kim トゲトサカモドキ (新称)

Note: Lee & Kim (2014) described this species in South Korea and reported its occurrence in Japan.

Genus *Croisetia* M.J.Wynne, 2018 クロワゼツテア属

Croisettea kalaukapuae F.P.Cabrera & A.R.Sherwood
カラウカプノリ

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

Genus *Euthora* J.Agardh 1847 ユウソラ属

Euthora cristata (C.Agardh) J.Agardh ユウソラ

[≡ *Callophyllis cristata* (C.Agardh) Kützinger]

[= *Euthora fruticulosa* (Ruprecht) J.Agardh ユウソラ]

Genus *Kallymenia* J.Agardh, 1842 ツカサノリ属

Kallymenia callophyllodes Okamura & Segawa ハナガタカリメニア

Kallymenia crassiuscula Okamura アツバカリメニア

Kallymenia oligonema Yamada ヒメツカサノリ

Kallymenia perforata J.Agardh ツカサアミ

[*Kallymenia cribrata* auct. non Harvey: Dickie (1877) ツカサアミ]

Kallymenia reniformis* f. *cuneata J.Agardh エゾツカサノリ

Kallymenia sagamiana Yamada オオツカサノリ

Kallymenia sessilis Okamura エナシカリメニア

Kallymenia stipitata Okamura エツキツカサノリ

Genus *Pugetia* Kylin, 1925 キヌハダ属

Pugetia japonica Kylin キヌハダ

[≡ *Callophyllis okamurai* P.C.Silva] *Replacement name

[*Microcoelia chilensis* auct. non. J.Agardh: Okamura (1900) キヌハダ]

[*Callophyllis chilensis* auct. non. (J.Agardh) Okamura: Okamura (1936) キヌハダ]

[*Callophyllis firma* auct. non. (Kylin) R.E.Norris: Chihara (1983) キヌハダ]

Note: Historically, this species was treated as a member of *Callophyllis* in Japan (as *C. okamurai*; Yoshida *et al.*, 2015); however, Clarkston & Saunders (2012) reinstated it in *Pugetia*.

Kallymeniaceae gen. et sp. エゾトサカ

[*Erythrophyllum gmelini* auct. non (J.V.Lamouroux)

Yendo: Yendo (1915) エゾトサカ]

[*Cirrulicarpus gmelini* auct. non (J.V.Lamouroux) Tokida & T.Masaki: Tokida & Masaki (1956) エゾトサカ]

Note: Historically, this species was identified as

Cirrulicarpus gmelini in Japan (Yoshida *et al.*, 2015).

However, Woelkerling *et al.* (2019a, b) synonymized *C.*

gmelini with *Cryptonemia palmetta* (Halymeniaceae,

Halymeniales). Although the Japanese entity belongs to the

Kallymeniaceae, its generic placement remains uncertain,

pending formal taxonomic reassessment.

Family Phacelocarpaceae Searles, 1968 キジノオ科

Genus *Phacelocarpus* Endlicher & Diesing, 1845 nom. cons. キジノオ属

Phacelocarpus japonicus Okamura キジノオ

Family Phyllophoraceae Willkomm, 1854 オキツノリ科

[= Petrocelidaceae Denizot, 1968 イボノリ科]

Genus *Ahnfeltiopsis* P.C.Silva & De Cew, 1992 アーンフェルチオプシス属

Ahnfeltiopsis gracilis (Yamada) Masuda ベサ

[≡ *Besa gracilis* Yamada]

[≡ *Ahnfeltia gracilis* (Yamada) Yamada & Mikami]

Ahnfeltiopsis okamurai P.C.Silva & De Cew フササイミ

[≡ *Ahnfeltia furcellata* Okamura] *Replaced synonym

Ahnfeltiopsis triquetrifolia Masuda & Kogame トササイミ

Ahnfeltiopsis yamadae (Segawa) Masuda ハネサイミ

[≡ *Chondrus yamadae* Segawa]

[≡ *Ahnfeltia yamadae* (Segawa) Mikami]

Genus *Besa* Setchell, 1912 ハリガネ属 (改称 ; 旧称 : ベサ属)

Note: Historically, this genus was synonymized with

Ahnfeltiopsis in Japan (Yoshida *et al.*, 2015). However,

Calderon *et al.* (2016) reinstated it as a distinct genus and

transferred *A. catenata*, *A. divaricata*, and *A. paradoxa* to

this genus.

Besa catenata (Yendo) M.S.Calderon & S.M.Boo ホソバノヒラサイミ

[≡ *Gymnogongrus catenatus* Yendo]

[≡ *Ahnfeltiopsis catenata* (Yendo) Masuda]

Besa divaricata (Holmes) M.S.Calderon & S.M.Boo オオマタオキツノリ

[≡ *Gymnogongrus divaricatus* Holmes]

[≡ *Ahnfeltiopsis divaricata* (Holmes) Masuda]

Besa japonica (Suringar) Skriptsova & Shibneva ソエエダナシオキツ

[≡ *Gymnogongrus japonicus* Suringar]

[*Gymnogongrus leptophyllus* auct. non J.Agardh: Yendo (1917)]

[*Besa catenata* auct. non (Yendo) M.S.Calderon & S.M.Boo: Calderon *et al.* (2016)]

Note: Although Masuda (1987) synonymized

Gymnogongrus japonicus with *G. flabelliformis*, Shibneva *et al.* (2020) reinstated it as a distinct species and transferred to *Besa*.

Besa paradoxa (Suringar) M.S.Calderon & S.M.Boo ハリガネ

[≡ *Gymnogongrus paradoxus* Suringar ハチジョウフノリ]

[≡ *Ahnfeltia paradoxa* (Suringar) Okamura]

[≡ *Ahnfeltiopsis paradoxa* (Suringar) Masuda]

[≡ *Gymnogongrus furcellatus* var. *japonicus* Holmes ハリガネ]

Genus *Fredericqia* Maggs, L.Le Gall, Mineur, Provan & G.W.Saunders, 2013 ミゾオキツノリ属 (新称)

Fredericqia chiharae Mas.Suzuki & Kitayama ミゾオキツノリ

[*Gymnogongrus incurvatus* Chihara nom. nud. ミゾオキツノリ]

Note: Formerly, *Gymnogongrus incurvatus* was treated as a *nomen nudum* in Japan (Yoshizaki, 2008). Subsequently, Suzuki & Kitayama (2021) described it as a new species of *Fredericqia* based on the type collected from Tokawa, Chiba Prefecture, Japan.

Genus *Gymnogongrus* Martius, 1833 オキツノリ属

Gymnogongrus durvillei (Bory) M.S.Calderon &

S.M.Boo サイミ

[= *Ahnfeltia concinna* J.Agardh サイミ]

[≡ *Ahnfeltiopsis concinna* (J.Agardh) P.C.Silva & De Cew]

Note: Historically, this species was identified as

Ahnfeltiopsis concinna in Japan (Yoshida *et al.*, 2015);

however, Calderon & Boo (2017) synonymized it with *Gymnogongrus durvillei*.

Gymnogongrus flabelliformis Harvey オキツノリ

[≡ *Ahnfeltiopsis flabelliformis* (Harvey) Masuda]

[*Gymnogongrus pygmaeus* auct. non J.Agardh: Martens (1868)]

Note: Formerly, this species was treated as a member of *Ahnfeltiopsis* in Japan (Yoshida *et al.*, 2015); however, Calderon *et al.* (2016) reinstated it in *Gymnogongrus*.

Genus *Mastocarpus* Kützinger, 1843 イボノリ属

Mastocarpus pacificus (Kjellman) Perestenko イボノリ

[≡ *Gigartina pacifica* Kjellman]

[≡ *Gigartina unalaschcensis* (Ruprecht) J.Agardh イボノリ]

[≡ *Gigartina ochotensis* (Ruprecht) Yendo ホソイボノリ]

[*Gigartina mammosa* auct. non (Goodenough & Woodward) J.Agardh: Okamura (1902) イボノリ]

Mastocarpus yendoi Masuda & T.Yoshida イカノアシ

[*Gigartina mammosa* auct. non (Goodenough &

Woodward) J.Agardh: Yendo (1916) イカノアシ]

[*Mastocarpus mammosus* auct. non (Goodenough & Woodward) Kützinger: Yoshida *et al.* (1990)]

Genus *Schottera* Guiry & Hollenberg, 1975 ツルヘラグサ属 (新称)

Schottera koreana M.S.Calderon, T.H.Seo & S.M.Boo

ツルヘラグサ

Note: Suzuki *et al.* (2020) recorded this species as a new record for Japan.

Genus *Stenogramma* Harvey in Hooker & Arnott (1840) ハスジグサ属

Stenogramma guleopense M.S.Calderon & S.M.Boo シンハスジグサ (新称)

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

***Stenogramma lamyi* L.Le Gall** ナンカイハスジグサ

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

***Stenogramma* sp.** ハスジグサ

[*Stenogramma interruptum* auct. non (C.Agardh)

Montagne: Okamura (1901) ハスジグサ]

Note: Historically, this species was identified as

Stenogramma interruptum in Japan (Yoshida *et al.*, 2015);

however, *S. interruptum* is restricted to the Atlantic and

specimens from the Pacific Ocean are considered distinct from *S. interruptum* (Le Gall & Saunders, 2010; Cho *et al.*, 2018). Therefore, it is tentatively treated as '*Stenogramma* sp.' in the present checklist, pending further molecular investigation.

Family Rhizophyllidaceae Ardisson 1869 ナミノハナ科**Genus *Contarinia*** Zanardini, 1843 シオグサゴロモ属***Contarinia okamurae*** Segawa シオグサゴロモ**Genus *Portieria*** Zanardini, 1851 ナミノハナ属***Portieria hornemannii*** (Lyngbye) P.C.Silva ホソバナミノハナ

[≡ *Chondrococcus hornemannii* (Lyngbye) F.Schmitz]

Portieria japonica (Harvey) P.C.Silva ナミノハナ

[≡ *Desmia japonica* Harvey]

[≡ *Chondrococcus japonicus* (Harvey) De Toni]

Family Solieriaceae J.Agardh, 1876 ミリン科

[= Wurdemanniaceae W.R.Taylor, 1960 ウルデマニア科]

Genus *Betaphycus* Doty ex P.C.Silva in Silva *et al.*

(1996) カタメンキリンサイ属

Betaphycus gelatinus (Esper) Doty ex P.C.Silva カタメンキリンサイ

[≡ *Eucheuma gelatinum* (Esper) J.Agardh]

Genus *Eucheuma* J.Agardh, 1847 キリンサイ属***Eucheuma denticulatum*** (N.L.Burman) Collins & Harvey キリンサイ

[= *Eucheuma muricatum* (S.G.Gmelin) Weber-van Bosse

キリンサイ]

[= *Eucheuma spinosum* J.Agardh キリンサイ]

Eucheuma denticulatum* f. *depauperatum (Weber-van Bosse) Mas.Suzuki & Kitayama

[≡ *Eucheuma muricatum* f. *depauperatum* Weber-van Bosse]

Eucheuma denticulatum* f. *incrassatum (Yamada)

Mas.Suzuki & Kitayama

[≡ *Eucheuma muricatum* f. *incrassatum* Yamada]

Note: *Eucheuma muricatum* is considered a heterotypic synonym of *E. denticulatum* (Yoshida *et al.*, 2015).

Accordingly, the transfers of *E. muricatum* f. *depauperatum* and f. *incrassatum* to *E. denticulatum* were proposed (p. 142).

Eucheuma serra (J.Agardh) J.Agardh トゲキリンサイ

Note: Although this species was identified as *Eucheuma serra* in Japan (Yoshida *et al.*, 2015), Dumilag *et al.* (2020) identified Japanese specimens as *E. perplexum*. The taxonomic identity of the Japanese entity remains uncertain, and further morphological and molecular investigations are necessary to resolve this issue.

Genus *Kappaphycopsis* Dumilag & Zuccarello, 2022 オカムラキリンサイ属 (新称)***Kappaphycopsis cottonii*** (Weber-van Bosse) Dumilag & Zuccarello オカムラキリンサイ

[≡ *Kappaphycus cottonii* (Weber-van Bosse) Doty ex H.D.Nguyen & Q.N.Huynh]

[= *Eucheuma okamurae* Yamada オカムラキリンサイ]

[*Eucheuma crustiforme* auct. non Weber-van Bosse:

Okamura (1932) サメハダキリンサイ]

Note: Historically, this species was identified as *Eucheuma okamurae* in Japan (Yoshida *et al.*, 2015); however, Silva *et al.* (1996) synonymized *E. okamurae* with *Kappaphycus cottonii*. Subsequently, Dumilag & Zuccarello (2022) transferred *K. cottonii* to *Kappaphycopsis*.

Genus *Kappaphycus* Doty in Abbott (1988) オオキリンサイ属***Kappaphycus striatus*** (F.Schmitz) L.M.Liao オオキリンサイ

[≡ *Eucheuma striatum* F.Schmitz]

Genus *Mimica* Santiañez & M.J.Wynne, 2020 ビャクシンキリンサイ属 (新称)

Note: Santiañez & Wynne (2020) transferred *Eucheuma amakusaense* and *E. arnoldii* to *Mimica*.

Mimica amakusaensis (Okamura) Santiañez &

M.J.Wynne アマクサキリンサイ

[= *Eucheuma amakusaense* Okamura]

Mimica arnoldii (Weber-van Bosse) Santiañez &

M.J.Wynne ビャクシンキリンサイ

[= *Eucheuma arnoldii* Weber-van Bosse]

[= *Eucheuma cupressoideum* Weber-van Bosse ビャクシンキリンサイ]

[= *Eucheuma cupressoideum* var. *verticillatum* Yamada フシキリンサイ]

Genus *Meristotheca* J.Agardh, 1872 トサカノリ属

Meristotheca coacta Okamura キクトサカ

Meristotheca imbricata E.J.Faye & Masuda カサナリトサカ

Meristotheca japonica Kylin トサカノリ

[*Meristotheca papulosa* auct. non (Montagne) J.Agardh: Yendo (1911) トサカノリ]

[*Eucheuma papulosum* auct. non (Montagne) Cotton & Yendo: Okamura (1916) トサカノリ]

Note: Historically, this species was identified as *Meristotheca papulosa* in Japan (Yoshida *et al.*, 2015). However, Yang *et al.* (2023) demonstrated that the Japanese records represent *M. japonica* and reinstated it as a distinct species.

Genus *Solieria* J.Agardh, 1842 ミリン属

Solieria dichotoma T.Yoshida ヒラミリン

Solieria latifolia Mas.Suzuki & R.Terada ヒロハミリン

Note: Suzuki *et al.* (2025) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Solieria pacifica (Yamada) T.Yoshida ミリン

[= *Chrysomenia pacifica* Yamada フトオヤギソウ]

[*Rhabdonia robusta* auct. non (Greville) J.Agardh: Yendo (1914) ミリン]

[*Solieria robusta* auct. non (Greville) Kylin: Okamura (1936) ミリン]

Solieria tenuis C.F.Chang & E.Z.Xia ホソバミリン

[*Rhabdonia mollis* auct. non Harvey: Yendo (1915)]

[*Solieria mollis* auct. non (Harvey) Kylin: Yamada (1935) ホソバミリン]

Solieria yoshidae Mas.Suzuki, Zemba & R.Terada ベニホソバミリン

Note: Suzuki *et al.* (2025) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Genus *Wurde mannia* Harvey, 1853 ワードマンイトガラミ属 (新称)

Wurde mannia miniata (Sprengel) Feldmann & Hamel ワードマンイトガラミ (新称)

[= *Wurde mannia setacea* Harvey]

Family Tichocarpaceae Kylin, 1932 カレキグサ科

Genus *Tichocarpus* Ruprecht, 1850 カレキグサ属

Tichocarpus crinitus (S.G.Gmelin) Ruprecht カレキグサ

Family Tylotaceae Kraft & G.W.Saunders, 2025 ナミイワタケ科

Note: Kraft & Saunders (2025) described Tylotaceae and transferred *Tylotus* from Dicranemataceae to Tylotaceae.

Genus *Tylotus* J.Agardh, 1876 ナミイワタケ属

Tylotus lichenoides Okamura ナミイワタケ

[*Tylotus obtusatus* auct. non (Sonder) J.Agardh: Yendo (1915)]

Order Gracilariales Fredericq & Hommersand, 1989 オゴノリ目

Family Gracilariaceae Nägeli, 1847 オゴノリ科

Note: The classification of genera within the Gracilariaceae is based on Lyra *et al.* (2021).

Genus *Gracilaria* Greville, 1830 nom. et typ. cons. オ

ゴノリ属

[= *Corallopsis* Greville, 1830 フシクレノリ属]

[= *Hydropuntia* Montagne, 1842 リュウキュウオゴノリ属]

[= *Congracilaria* H. Yamamoto, 1986 フシクレタケ属]

[= *Crassiphycus* Guiry, J.N. Norris, Fredericq & Gurgel, 2018]

[= *Agarophyton* Gurgel, J.N. Norris & Fredericq in Gurgel *et al.* (2018)]

[*Crassa* Gurgel, J.N. Norris & Fredericq in Gurgel *et al.* (2018) nom. inval.]

Gracilaria arcuata Zanardini ユミガタオゴノリ

Gracilaria articulata C.F. Chang & B.M. Xia ヒメクビレオゴノリ

Gracilaria babae (H. Yamamoto) P.K. Ng, P.E. Lim & Phang フシクレタケ

[= *Congracilaria babae* H. Yamamoto]

Gracilaria blodgettii Harvey クビレオゴノリ

Gracilaria cuneifolia (Okamura) I.K. Lee & Kurogi キヌカバノリ

[= *Rhodymenia cuneifolia* Okamura キヌダルス]

Gracilaria edulis (S.G. Gmelin) P.C. Silva カタオゴノリ

[= *Hydropuntia edulis* (S.G. Gmelin) Gurgel & Fredericq]

[= *Gracilaria lichenoides* (J.V. Lamouroux) Greville カタオゴノリ]

[= *Gracilaria taenioides* J. Agardh]

Gracilaria eucheumatoides Harvey リュウキュウオゴノリ

[= *Hydropuntia eucheumatoides* (Harvey) Gurgel & Fredericq]

Gracilaria firma C.F. Chang & B.M. Xia ナンカイオゴノリ

Gracilaria gigas Harvey オオオゴノリ

Gracilaria incurvata Okamura ミゾオゴノリ

Gracilaria parvispora I.A. Abbott シラモ

[*Gracilaria coronopifolia* auct. non J. Agardh: Dickie (1877)]

[*Gracilaria compressa* auct. non (C. Agardh) Greville: Okamura (1902) シラモ]

[*Gracilaria bursa-pastoris* auct. non (S.G. Gmelin)

P.C. Silva: Ohmi (1958) シラモ]

Gracilaria perplexa K. Byrne & Zuccarello

[= *Hydropuntia perplexa* (K. Byrne & Zuccarello)

K.Y. Conklin, O'Doherty & A.R. Sherwood]

Note: Yang & Kim (2015) reported its occurrence in Japan.

Gracilaria punctata (Okamura) Yamada イツツギス

[= *Rhodymenia punctata* Okamura]

[= *Crassiphycus punctatus* (Okamura) Gurgel, J.N. Norris & Fredericq]

[*Crassa punctata* (Okamura) Gurgel, J.N. Norris & Fredericq nom. inval.]

Gracilaria rhodocaudata H. Yamamoto & T. Kudo ベニオゴノリ

Gracilaria salicornia (C. Agardh) E. Y. Dawson フシクレノリ

[= *Corallopsis opuntia* J. Agardh フシクレノリ]

Gracilaria shimodensis R. Terada & H. Yamamoto シモダオゴノリ

[*Gracilaria blodgettii* auct. non Harvey: Ohmi (1958)]

Gracilaria srilankia (C.F. Chang & B.M. Xia) Withell, A. Millar & Kraft ムラサキカバノリ

[= *Gracilaria spinulosa* f. *srilankia* C.F. Chang & B.M. Xia]

[= *Gracilaria purpurascens* J. Agardh nom. illeg.]

*Replaced synonym

[*Gracilaria denticulata* auct. non (Kützinger) Weber-van Bosse: Okamura (1936)]

Gracilaria sublittoralis Yamada & Segawa ex

H. Yamamoto シンカイカバノリ

Gracilaria textorii (Suringar) Hariot カバノリ

[= *Sphaerococcus textorii* Suringar]

Gracilaria vermiculophylla (Ohmi) Papenfuss オゴノリ

[= *Gracilariopsis vermiculophylla* Ohmi オゴモドキ]

[= *Agarophyton vermiculophyllum* (Ohmi) Gurgel, J.N. Norris & Fredericq]

[= *Gracilaria asiatica* C.F. Chang & B.M. Xia オゴノリ]

[*Sphaerococcus confervoides* auct. non (Linnaeus) Stackhouse: Suringar (1867)]

[*Gracilaria confervoides* auct. non (Linnaeus) Greville: Dickie (1877) オゴノリ]

[*Gracilaria verrucosa* auct. non (Hudson) Papenfuss: Ohmi (1954) オゴノリ]

[*Gracilariopsis rhodotricha* auct. non E.Y. Dawson: Ohmi

(1958) ホソオゴモドキ]

Gracilaria vieillardii P.C.Silva トゲカバノリ

[= *Gracilaria denticulata* (Kützinger) Weber-van Bosse nom. illeg.] *Replaced synonym

Gracilaria yamamotoi C.F.Chang & B.M.Xia ホソカバノリ

Gracilaria sp. モサオゴノリ

[*Gracilaria coronopifolia* auct. non J.Agardh: Yamamoto (1978) モサオゴノリ]

Note: Historically, this species was identified as *Gracilaria coronopifolia* in Japan (Yoshida *et al.*, 2015); however, Yamamoto *et al.* (1999) demonstrated that these Japanese records represent a misapplication. Furthermore, Terada (2008) referred to this species as ‘*Hydropuntia* sp.’

Therefore, it is tentatively treated as ‘*Gracilaria* sp.’ in the present checklist.

Genus Gracilariopsis E.Y.Dawson, 1949 ツルシラモ属

Gracilariopsis chiangii Showe M.Lin ミナミツルシラモ (新称)

Note: Yang & Kim (2015) reported its occurrence in Japan.

Gracilariopsis chorda (Holmes) Ohmi ツルシラモ

[= *Gracilaria chorda* Holmes]

[*Gracilaria lemaneiformis* auct. non (Bory) Greville: Chirapart *et al.* (1995) セイヨウオゴノリ]

[*Gracilaria lemaneiformis* auct. non (Bory) Greville: Yoshizaki (1996) アガボオゴノリ]

Gracilariopsis chorda var. **exilis** (H.Yamamoto)

R.Terada

[= *Gracilaria chorda* var. *exilis* H.Yamamoto]

Note: *Gracilaria chorda* is considered a member of *Gracilariopsis* (Yoshida *et al.*, 2015). Accordingly, the transfer of *G. chorda* var. *exilis* to *Gracilariopsis* was proposed (p. 142).

Gracilariopsis mageshimensis Mas.Suzuki & R.Terada

マゲカバノリ

Note: Suzuki & Terada (2021a) described this species based on the type collected from offshore Tanegashima Island, Kagoshima Prefecture, Japan.

Order Halymeniales G.W.Saunders & Kraft, 1996

イソノハナ目

Note: The classification of families and genera within the Halymeniales is based on Kim *et al.* (2021).

Family Grateloupiaceae F.Schmitz, 1889 ムカデノリ科

Genus Grateloupia C.Agardh, 1822 nom. cons. ムカデノリ属

[= *Cyrtymenia* F.Schmitz, 1896 ヒヂリメン属]

[= *Sinotubimorpha* W.X.Li & Z.F.Ding, 1998]

[*Halymeniopsis* Yamada in Inoh 1947 nom. nud.]

Grateloupia acuminata Holmes オオムカデノリ

[= *Halymenia acuminata* (Holmes) J.Agardh]

Grateloupia angusta (Okamura) Kawaguchi &

H.W.Wang キントキ

[= *Cryptonemia angusta* Okamura]

[= *Prionitis angusta* (Okamura) Okamura]

[= *Polyopes angustus* (Okamura) De Toni]

[= *Carpopeltis angusta* (Okamura) Okamura]

[*Gymnogongrus ligulatus* var. *angustus* Harvey nom. inval.]

Grateloupia articulata (Okamura) Kawaguchi &

H.W.Wang フシキントキ

[= *Prionitis articulata* Okamura]

[= *Carpopeltis articulata* (Okamura) Okamura]

[= *Zanardinula articulata* (Okamura) G.De Toni]

Grateloupia asiatica Kawaguchi & H.W.Wang ムカデ

ノリ

[*Grateloupia filicina* auct. non (J.V.Lamouroux) C.Agardh: Martens (1868) ムカデノリ]

[*Grateloupia filiformis* auct. non Kützinger: Martens (1868)]

Grateloupia carnosa Yamada & Segawa ニクムカデ

Grateloupia catenata Yendo ウツロムカデ

[= *Sinotubimorpha catenata* (Yendo) W.X.Li & Z.F.Ding]

[= *Grateloupia filicina* var. *lomentaria* M.Howe]

[*Grateloupia filicina* var. *porracea* auct. non (Kützinger) M.Howe: Okamura (1936) ウツロムカデ]

Grateloupia chiangii Kawaguchi & H.W.Wang ヒトツ

マツ

[= *Carpopeltis divaricata* Okamura] *Replaced synonym

[= *Prionitis divaricata* (Okamura) Kawaguchi] *Replaced

synonym

[= *Grateloupia affinis* var. *lata* Okamura p.p.]

[= *Grateloupia lata* (Okamura) Okamura p.p.]

***Grateloupia cornea* Okamura ツノムカデ**

[= *Carpopeltis cornea* (Okamura) Okamura]

[= *Zanardinula cornea* (Okamura) E.Y.Dawson]

[= *Prionitis cornea* (Okamura) E.Y.Dawson]

***Grateloupia crispata* (Okamura) Y.P.Lee トサカマツ**

[= *Carpopeltis crispata* Okamura]

[= *Prionitis crispata* (Okamura) Kawaguchi]

***Grateloupia divaricata* Okamura カタノリ**

[= *Grateloupia incurvata* Noda ゲジゲジムカデノリ]

***Grateloupia jejuensis* S.Y.Kim, E.G.Han & S.M.Boo オツノムカデ (新称)**

***Grateloupia kurogii* Kawaguchi マルバフダラク**

[*Halymenopsis dilatata* Yamada nom. nud. マルバフダラク]

***Grateloupia latissima* Okamura**

***Grateloupia livida* (Harvey) Yamada ヒラムカデ**

[= *Nemastoma lividum* Harvey]

[= *Schizymenia ligulata* Suringar]

[= *Grateloupia ligulata* (Suringar) F.Schmitz]

[= *Grateloupia furcata* Holmes nom. illeg.]

[= *Grateloupia jubata* Yendo]

[= *Grateloupia kaifuensis* Yendo カイフノリ]

[= *Grateloupia nipponica* Yendo]

[*Grateloupia prolongata* auct. non J.Agardh: Yendo (1914)

p.p. オナガムカデ]

[*Grateloupia dichotoma* auct. non J.Agardh: Yendo (1918)]

***Grateloupia ramosissima* Okamura スジムカデ**

[= *Prionitis ramosissima* (Okamura) Kawaguchi]

***Grateloupia sparsa* (Okamura) Y.M.Chiang ヒヂリメン**

[= *Cyrtymenia sparsa* Okamura]

[= *Phyllymenia sparsa* (Okamura) Kylin]

***Grateloupia subpectinata* Holmes ヒロハノムカデノリ**

[*Grateloupia prolongata* auct. non J.Agardh: Yendo (1914)

p.p.]

***Grateloupia turuturu* Yamada ツルツル**

Genus *Kintokiocolax* Tak.Tanaka & Nozawa, 1960 キントキヤドリ属

***Kintokiocolax aggregatoceranthus* Tak.Tanaka & Nozawa キントキヤドリ**

Genus *Pachymeniopsis* Yamada ex Kawabata, 1954

タンバノリ属

Note: Formerly, *Pachymeniopsis elliptica* and *P. lanceolata* were placed in *Grateloupia* (Yoshida *et al.*, 2015).

However, recent studies have suggested that *Grateloupia* is polyphyletic (e.g., Kim *et al.* 2021). Accordingly, we reinstated *P. elliptica* and *P. lanceolata* in the present checklist, following the molecular evidence provided by Kim *et al.* (2021) and Suzuki & Terada (2025).

***Pachymeniopsis elliptica* (Holmes) Yamada ex**

Kawabata タンバノリ

[= *Grateloupia elliptica* Holmes]

[= *Grateloupia ohkuboana* Holmes]

[= *Pachymeniopsis yendoi* Yamada ex Kawabata アカハダ]

[*Pachymenia carnosa* auct. non (J.Agardh) J.Agardh:

Yendo (1914) アカハダ]

[*Sarcocladia crateriformis* auct. non J.Agardh: Yendo (1916)]

***Pachymeniopsis gargiuloi* S.Y.Kim, Manghisi, Morabito & S.M.Boo ガルジュエーフダラク (新称)**

***Pachymeniopsis lanceolata* (Okamura) Yamada ex**

Kawabata フダラク

[= *Aeodes lanceolata* Okamura]

[= *Grateloupia lanceolata* (Okamura) Kawaguchi]

[= *Aeodes lanceolata* var. *tenuis* Okamura]

Genus *Prionitis* J.Agardh, 1851 ヒラキントキ属

[= *Zanardinula* G.De Toni, 1936]

Note: Formerly, all species belonging to this genus were placed in *Grateloupia* in Japan except for *Prionitis crispata* (Yoshida *et al.*, 2015). However, recent studies have suggested that *Grateloupia* is polyphyletic (e.g., Kim *et al.* 2021). Accordingly, we reinstated *P. elata*, *P. patens*, and *P. schmitziana* in the present checklist, following the molecular evidence provided by Kim *et al.* (2021) and Suzuki & Terada (2025).

***Prionitis elata* Okamura ナガキントキ**

[≡ *Carpopeltis elata* (Okamura) Okamura nom. illeg.]

[≡ *Grateloupia elata* (Okamura) Kawaguchi & H.W.Wang]

[≡ *Carpopeltis okamurae* Arwidsson] *Replaced synonym

Prionitis imbricata (Holmes) Showe M.Lin & Rodríguez-Prieto サクラノリ

[≡ *Grateloupia imbricata* Holmes]

Note: Rodríguez-Prieto & Lin (2024) transferred

Grateloupia imbricata to *Prionitis*.

Prionitis imbricata* f. *flabellata (Okamura) Mas.Suzuki & Kitayama

[≡ *Grateloupia imbricata* f. *flabellata* Okamura]

Note: Following the transfer of *Grateloupia imbricata* to *Prionitis* by Rodríguez-Prieto & Lin (2024), the transfer of *G. imbricata* f. *flabellata* to *Prionitis* was proposed (p. 143).

Prionitis patens Okamura ヒラキントキ

[≡ *Zanardinula patens* (Okamura) G.De Toni]

[≡ *Grateloupia patens* (Okamura) Kawaguchi & H.W.Wang]

Prionitis schmitziana Okamura オオバキントキ

[≡ *Cryptonemia schmitziana* (Okamura) Okamura]

[≡ *Grateloupia schmitziana* (Okamura) Kawaguchi & H.W.Wang]

[*Cryptonemia wilsonis* auct. non J.Agardh: Okamura (1895)]

Genus *Yonagunia* Kawaguchi & Masuda *in* Kawaguchi *et al.* (2004) ヨナグニソウ属

Yonagunia formosana (Okamura) Kawaguchi & Masuda ウ斯巴キントキ

[≡ *Carpopeltis formosana* Okamura]

Yonagunia maillardii (Montagne & Millardet) Showe M.Lin, Y.C.Chuang & De Clerck チャボキントキ

[≡ *Carpopeltis maillardii* (Montagne & Millardet)

Y.M.Chiang]

[≡ *Carpopeltis rigida* (Harvey ex J.Agardh) F.Schmitz チャボキントキ]

Note: Lin *et al.* (2020) transferred *Carpopeltis maillardii* to *Yonagunia*.

Yonagunia taiwani-borealis Showe M.Lin, Y.C.Chuang & De Clerck キタヨナグニソウ

Note: Suzuki & Terada (2025) recorded this species as a

new record for Japan.

Yonagunia tenuifolia Kawaguchi & Masuda ヨナグニソウ

Family Halymeniaceae Bory *in* Duperrey (1828) イソノハナ科

Genus *Amalthea* D'Archino & W.A.Nelson *in* D'Archino *et al.* (2014) ヌメリギヌ属 (新称)

Amalthea rubida H.W.Lee & M.S.Kim ヌメリギヌ

Note: Suzuki & Terada (2025) recorded this species as a new record for Japan.

Genus *Cryptonemia* J.Agardh, 1842 カクレイト属

[≡ *Cirrulicarpus* Tokida & T.Masaki, 1956 (旧称: エントサカ属)]

Cryptonemia asiatica M.Y.Yang & M.S.Kim ヒロハノカクレイト

[*Cryptonemia luxurians* auct. non (C.Agardh) J.Agardh: Okamura (1916) ヒロハノカクレイト]

Cryptonemia semiproscumbens Tak.Tanaka ナンカイカクレイト

Cryptonemia yendoii Weber-van Bosse ウスバノカクレイト

Genus *Galene* D'Archino & Zuccarello, 2014 マルバグサ属

Galene rotunda (Okamura) D'Archino & Zuccarello マルバグサ

[≡ *Halymenia rotunda* Okamura]

[≡ *Cryptonemia rotunda* (Okamura) Kawaguchi]

[≡ *Halymenia iyoensis* Yagi ヒョウタングサ]

[*Erythrymenia obovata* auct. non F.Schmitz ex Mazza: Okamura (1930) マルバグサ]

Genus *Halymenia* C. Agardh, 1817 nom. et orth. cons. イソノハナ属

Halymenia dilatata Zanardini フイリグサ

Halymenia durvillei Bory ツヅレグサ

[≡ *Halymenia durvillei* var. *ceylanica* (Harvey ex Kützinger) Weber-van Bosse ツヅレグサ]

[*Halymenia formosa* auct. non. Harvey ex Kützinger:

Heydrich (1894) ツヅレグサ]

[*Halymenia harveyana* auct. non. J.Agardh: Okamura

(1916) イソノハナ]

[*Halymenia floresii* auct. non. (Clemente) C.Agardh:

Okamura (1936) イソノハナ]

[*Halymenia durvillei* var. *formosa* auct. non. (Harvey ex

Kützinger) Reinbold: Yoshida *et al.* (1985) ツヅレグサ]

Genus *Polyopes* J.Agardh, 1849 マタボウ属

[= *Sinkoraena* H.B.Lee, J.A.Lewis, Kraft & I.K.Lee, 1997]

Polyopes affinis (Harvey) Kawaguchi & H.W.Wang マツノリ

[= *Gigartina affinis* Harvey]

[= *Grateloupia affinis* (Harvey) Okamura]

[= *Carpopeltis affinis* (Harvey) Okamura]

Polyopes affinis* f. *minutus (Okamura) Mas.Suzuki & Kitayama

[= *Carpopeltis affinis* f. *minuta* Okamura]

Note: Following the transfer of *Carpopeltis affinis* to *Polyopes* by Kawaguchi *et al.* (2002), the transfer of *C. affinis* f. *minuta* to *Polyopes* was proposed (p. 143).

Polyopes lancifolius (Harvey) Kawaguchi & H.W.Wang キョウノヒモ

[= *Gigartina lancifolia* Harvey]

[= *Grateloupia lancifolia* (Harvey) Okamura nom. illeg.]

[= *Sinkoraena lancifolia* (Harvey) H.B.Lee, J.A.Lewis, Kraft & I.K.Lee]

[= *Grateloupia okamurai* Yamada] *Replacement name

[= *Sinkoraena okamurai* (Yamada) H.B.Lee, J.A.Lewis, Kraft & I.K.Lee nom. illeg.] *Superfluous name

[= *Grateloupia horrida* Okamura nom. illeg. ミノジノリ]

Polyopes polydeoides Okamura マタボウ

Polyopes prolifer (Harriot) Kawaguchi & H.W.Wang コメノリ

[= *Gigartina prolifer* Harriot]

[= *Carpopeltis prolifer* (Harriot) Kawaguchi & Masuda]

[= *Grateloupia affinis* var. *lata* Okamura p.p. コメノリ]

[= *Grateloupia lata* (Okamura) Okamura p.p.]

[= *Grateloupia flabellata* Holmes コメノリ]

[= *Carpopeltis flabellata* (Holmes) Okamura]

Polyopes tosaensis Kawaguchi & Masuda トサコメノリ

Family Tsengiaceae G.W.Saunders & Kraft, 2002 ヒカゲノイト科

Genus *Tsengia* K.C.Fan & Y.P.Fan, 1962 ヒカゲノイト属

Tsengia lancifolia (Okamura) Masuda & Guiry ウスギヌ

[= *Nemastoma lancifolium* Okamura]

Tsengia nakamurae (Yendo) K.C.Fan & Y.P.Fan ヒカゲノイト

[= *Nemastoma nakamurae* Yendo]

Tsengia nakamurae* var. *membranacea (Yendo)

Mas.Suzuki & Kitayama

[= *Nemastoma nakamurae* var. *membranaceum* Yendo]

Note: Following the transfer of *Nemastoma nakamurae* to *Tsengia* by Fan & Fan (1962), the transfer of *N. nakamurae* var. *membranaceum* to *Tsengia* was proposed (p. 143).

Order Nemastomatales Kylin, 1925 ヒメウスギヌ目

Family Nemastomataceae Ardissonne, 1869 ヒメウスギヌ科

Genus *Nemastoma* J.Agardh, 1842 nom. et orth. cons.

ヒメウスギヌ属

Nemastoma foliaceum Yamada ヒメウスギヌ

Genus *Predaea* G.De Toni, 1936 ユルジギヌ属

Predaea bisporifera Kajimura ニブンホウシユルジギヌ

Predaea japonica T.Yoshida ユルジギヌ

Predaea kuroshioensis Kajimura クロシオユルジギヌ

Predaea tokidae Kajimura トキダユルジギヌ

Family Schizymeniaceae Masuda & Guiry, 1995 ベニスナゴ科

Genus *Platoma* Schousboe ex F.Schmitz, 1894 nom.

cons. ニクホウノオ属

Platoma izunosimense Segawa ニクホウノオ

Genus *Schizymenia* J.Agardh, 1851 nom. et typ. cons.
ベニスナゴ属

Schizymenia dubyi (Chauvin ex Duby) J.Agardh ベニスナゴ

Schizymenia tamarae O.S.Belous, Skriptsova & Shibneva キタベニスナゴ (新称)

Note: Belous *et al.* (2022) identified the ‘*Schizymenia* sp.’ recorded by Gavio *et al.* (2005) as *S. tamarae*.

Genus *Titanophora* (J.Agardh) Feldmann, 1942 ベニザラサ属

Titanophora palmata Itono アマミノベニザラサ

Titanophora weberae Børgesen ベニザラサ

Order Peyssonneliales Kravesky, Fredericq & J.N.Norris in Kravesky *et al.* (2009) イワノカワ目

Family Peyssonneliaceae Denizot, 1968 イワノカワ科
[= Squamariaceae J.Agardh, 1851 nom. illeg. イワノカワ科]

Genus *Agissea* Pestana, Lyra, Cassano & J.M.C.Nunes in Pestana *et al.* (2021) アカゼイワノカワ属 (新称)

Note: Pestana *et al.* (2021) transferred *Peyssonnelia distenta*, *P. harveyana*, and *P. orientalis* to *Agissea*.

Agissea distenta (Harvey) Pestana, Lyra, Cassano & J.M.C.Nunes クダイワノカワ

[= *Galaxaura distenta* Harvey]

[= *Peyssonnelia distenta* (Harvey) Yamada]

[*Peyssonnelia involvens* auct. non Zanardini: Okamura (1909) クダイワノカワ]

Agissea harveyana (P.Crouan & H.Crouan ex J.Agardh) Pestana, Lyra, Cassano & J.M.C.Nunes ハーベイイワノカワ

[= *Peyssonnelia harveyana* P.Crouan & H.Crouan ex J.Agardh]

Agissea orientalis (Weber-van Bosse) Pestana, Lyra, Cassano & J.M.C.Nunes アカゼイワノカワ

[= *Peyssonnelia rubra* f. *orientalis* Weber-van Bosse]

[= *Peyssonnelia orientalis* (Weber-van Bosse) Cormaci & G.Furnari]

Genus *Olokunia* Pestana, Lyra, Cassano & J.M.C.Nunes in Pestana *et al.* (2021) カイノカワ属 (新称)

Note: Pestana *et al.* (2021) transferred *Peyssonnelia japonica* and *P. meridionalis* to *Olokunia*.

Olokunia japonica (Segawa) Pestana, Lyra, Cassano & J.M.C.Nunes カイノカワ

[= *Cruoriopsis japonica* Segawa]

[= *Cruoriella japonica* (Segawa) Denizot]

[*Peyssonnelia japonica* (Segawa) Yoneshigue nom. inval.]

Olokunia meridionalis (Hollenberg & I.A.Abbott)

Pestana, Lyra, Cassano & J.M.C.Nunes イソコモン

[= *Peyssonnelia meridionalis* Hollenberg & I.A.Abbott]

Genus *Peyssonnelia* Decaisne, 1841 イワノカワ属
Peyssonnelia conchicola Piccone & Grunow ベニイワノカワ

[*Peyssonnelia rubra* auct. non (Greville) J.Agardh:

Okamura (1902) ベニイワノカワ]

Genus *Polystrata* Heydrich, 1905 カサネイワノカワ属

Polystrata dura Heydrich カサネイワノカワ

Polystrata fosliei (Weber-van Bosse) Denizot ベニカサネイワノカワ

Genus *Rhodowynnea* Pestana, Lyra, Cassano &

J.M.C.Nunes in Pestana *et al.* (2021) サケメイワゲシヨウ属 (新称)

Rhodowynnea mariti (Weber-van Bosse) Pestana, Lyra, Cassano & J.M.C.Nunes サケメイワゲシヨウ

[= *Peyssonnelia mariti* (Weber-van Bosse) Denizot]

[= *Cruoriella fissurata* E.Y.Dawson サケメイワゲシヨウ]

Note: Pestana *et al.* (2021) transferred *Peyssonnelia mariti* to *Rhodowynnea*.

Genus *Seiria* K.R.Dixon in Huisman (2018) ツナギイワノカワ属 (新称)

Seiria japonica M.Mills & Schils ツナギイワノカワ
(新称)

Note: Mills & Schils (2026) described this species based on the type collected from Sesokojima, Okinawa Prefecture, Japan.

Genus *Sonderophycus* Denizot, 1968 エツキイワノカワ属 (新称)

Sonderophycus capensis (Montagne) M.J.Wynne
[= *Peyssonnelia capensis* Montagne]

Sonderophycus cauliferus (Okamura) S.Y.Jeong,
B.Y.Won & T.O.Cho nom. inval. エツキイワノカワ
[= *Peyssonnelia caulifera* Okamura]
[*Peyssonnelia squamaria* auct. non (S.G.Gmelin) Decaisne
ex J.Agardh: Nozawa (1972) エツキイワノカワ]
Note: Jeong *et al.* (2017) transferred *Peyssonnelia caulifera*
to *Sonderophycus*. The name *S. cauliferus* was invalidly
published under ICN Art. 41.5 (Turland *et al.*, 2025)
because Jeong *et al.* (2017) failed to cite the basionym
correctly.

Peyssonneliaceae genera incertae sedis 属の所属不明

Note: Pestana *et al.* (2021) indicated that the phylogenetic
affinities of *Cruoriella armorica* (as *Peyssonnelia*
armorica), *C. dubyi* (as *P. dubyi*), *P. rosenvingei*, and *P.*
rumoiana remain unresolved.

Cruoriella armorica P.Crouan & H.Crouan イワゲシヨウ
[= *Peyssonnelia armorica* (P.Crouan & H.Crouan) Weber-
van Bosse]

Note: Kim (2013) placed *Peyssonnelia armorica* in
Cruoriella.

Cruoriella dubyi (P.Crouan & H.Crouan) F.Schmitz
[= *Peyssonnelia dubyi* P.Crouan & H.Crouan]

Note: Kim (2013) placed *Peyssonnelia dubyi* in *Cruoriella*.

Peyssonnelia rosenvingei F.Schmitz オオイワノカワ
Peyssonnelia rumoiana A.Kato & Masuda ルモイイワ
ノカワ

Order Plocamiales G.W.Saunders & Kraft, 1994 ユ
カリ目

Family Plocamiaceae Kützing, 1843 ユカリ科

Genus *Plocamium* J.V.Lamouroux, 1813 nom. cons. ユ
カリ属

Plocamium brasiliense (Greville) M.Howe &
W.R.Taylor ナンカイユカリ

Note: Suzuki & Terada (2025) recorded this species as a
new record for Japan.

Plocamium cartilagineum (Linnaeus) P.S.Dixon ホソ
ユカリ

[*Plocamium coccineum* auct. non Lyngbye: De Toni (1895)]

[*Plocamium leptophyllum* var. *flexuosum* auct. non (Hooker
f. & Harvey) J.Agardh: Okamura (1902) ホソユカリ]

[*Plocamium coccineum* var. *flexuosum* auct. non Hooker f.
& Harvey: Okamura (1916)]

[*Plocamium leptophyllum* auct. non Kützing: Okamura
(1916)]

Plocamium luculentum M.Y.Yang & M.S.Kim ユカリ

[= *Plocamium abnorme* f. *uncinatum* Okamura]

[= *Plocamium telfairiae* f. *uncinatum* (Okamura)
Okamura]

[= *Plocamium telfairiae* var. *uncinatum* (Okamura)
Okamura]

[*Plocamium affine* auct. non Kützing: Martens (1868)]

[*Plocamium abnorme* auct. non Hooker f. & Harvey:
Okamura (1913) ユカリ]

[*Plocamium telfairiae* auct. non (Hooker & Harvey)
Harvey ex Kützing: Yendo (1915) ユカリ]

Note: Historically, this species was identified as *P.*
telfairiae in Japan (Yoshida *et al.*, 2015). However, Yang &
Kim (2023) demonstrated that the Korean and Japanese
specimens represent a distinct species from *P. telfairiae*
and described it as *P. luculentum* based on the type
collected from Jeju island, South Korea.

Plocamium ovicorne Okamura ヒメユカリ

[= *Plocamium oviforme* Okamura ヒメユカリ]

Plocamium recurvatum Okamura マキユカリ

Plocamium serratum Okamura キザミユカリ

[*Plocamium costatum* auct. non (C.Agardh) Hooker f. &
Harvey: Yendo (1918) キザミユカリ]

Family Sarcodiaceae Kylin, 1932 アツバノリ科**Genus *Sarcodia*** J.Agardh, 1852 アツバノリ属***Sarcodia cuneifolia*** Yamada ヒロハアツバノリ***Sarcodia* sp.** アツバノリ[*Sarcodia ceylanica* auct. non Harvey ex Kützing: Okamura (1916) アツバノリ][*Sarcodia montagneana* auct. non (Hooker f. & Harvey) J.Agardh: Yendo (1917) アツバノリ]

Note: Historically, this species was identified as *Sarcodia ceylanica* in Japan (Yoshida *et al.*, 2015); however, Rodríguez-Prieto *et al.* (2016) demonstrated that these Japanese records represent a misapplication. Therefore, it is tentatively treated as ‘*Sarcodia* sp.’ in the present checklist.

Genus *Trematocarpus* Kützing, 1843 ミアナグサ属***Trematocarpus pygmaeus*** Yendo ミアナグサ

Trematocarpus pygmaeus* var. *elongatus Tak.Tanaka
ホソミアナグサ

Order Rhodymeniales Nägeli, 1847 マサゴシバリ目**Family Champiaceae** Kützing, 1843 ワツナギソウ科**Genus *Champia*** Desvaux, 1809 ワツナギソウ属***Champia bifida*** Okamura ヒラワツナギソウ[= *Champia echigoensis* Noda エチゴワツナギソウ][*Champia compressa* auct. non Harvey: Okamura (1897) ヒメワツナギソウ]***Champia expansa*** Yendo ウスバワツナギソウ***Champia inkyui*** Y.H.Koh, G.Y.Cho & M.S.Kim ワツナギソウ[*Champia parvula* auct. non (C.Agardh) Harvey: Okamura (1902) p.p. ワツナギソウ]

Note: Historically, this species was identified as *Champia parvula* in Japan (Yoshida *et al.*, 2015). However, Koh *et al.* (2013) showed that *C. parvula* was a complex and described *C. inkyui* and reinstated *C. recta*. Following the molecular evidence of Suzuki & Terada (2025), Japanese

specimens are here referred to *C. inkyui* and *C. recta*.***Champia japonica*** Okamura ヘラワツナギソウ***Champia lubrica*** Mas.Suzuki & Yoshizaki ナンブワツナギソウ***Champia recta*** Noda タチワツナギソウ[*Champia parvula* auct. non (C.Agardh) Harvey: Okamura (1902) p.p. ワツナギソウ (p.p.)]

Note: Historically, this species was synonymized with *C. parvula* in Japan (Yoshida *et al.*, 2015). However, Koh *et al.* (2013) reinstated it as a distinct species.

Genus *Gastroclonium* Kützing, 1843 nom. cons. イソマツ属[= *Coeloseira* Hollenberg, 1941 イソマツ属]

Gastroclonium pacificum (E.Y.Dawson) C.F.Chang & B.M.Xia イソマツ

[≡ *Coeloseira pacifica* E.Y.Dawson]

[*Gastroclonium ovale* auct. non Kützing: Okamura (1902) イソマツ]

Genus *Coelothrix* Børgesen, 1920 ニセイバラノリ属
Coelothrix irregularis (Harvey) Børgesen ニセイバラノリ

Family Faucheaceae I.Strachan, G.W.Saunders & Kraft in Saunders *et al.* (1999) マダラグサ科

Genus *Gloiocladia* J.Agardh, 1842 マダラグサ属 (旧称: ヒシブクロ属)[= *Fauche* Montagne & Bory in Durieu (1846) マダラグサ属]***Gloiocladia iyoensis*** (Okamura) R.E.Norris ヒメヒシブクロ[≡ *Gloioderma iyoense* Okamura]***Gloiocladia japonica*** (Okamura) T.Yoshida ヒシブクロ[≡ *Gloioderma japonicum* Okamura]

Gloiocladia spinulosa (Okamura & Segawa) N.Sánchez & Rodríguez-Prieto トゲマダラ

[≡ *Fauche* *spinulosa* Okamura & Segawa]***Gloiocladia stipitata*** (Yamada & Segawa) N.Sánchez &

Rodríguez-Prieto エツキマダラ

[= *Faucea stipitata* Yamada & Segawa]

Genus *Leptofaucea* Kylin, 1931 トゲナシマダラ属

Leptofaucea leptophylla (Segawa) Mas.Suzuki,

Nozaki, R.Terada, Kitayama, Tetsu.Hashimoto &

Yoshizaki トゲナシマダラ

[= *Faucea leptophylla* Segawa]

[= *Gloiocladia leptophylla* (Segawa) N.Sánchez & Rodríguez-Prieto]

[*Leptofaucea rhodymenioides* auct. non W.R.Taylor: Suzuki *et al.* (2010) ヘイゴコロ]

Note: Filloramo & Saunders (2015) demonstrated that the Japanese records of *Leptofaucea rhodymenioides* are a misapplication of *L. leptophylla*.

Family Lomentariaceae Willkomm, 1854 フシツナギ科

Genus *Binghamia* J.Agardh, 1894 カエルデグサ属

[= *Binghamiella* Setchell & E.Y.Dawson, 1941 カエルデグサ属]

Binghamia californica J.Agardh カエルデグサ

[= *Binghamiella californica* (J.Agardh) Setchell & E.Y.Dawson]

Genus *Ceratodictyon* Zanardini, 1878 カイメンソウ属

[= *Gelidiopsis* F.Schmitz, 1895 テングサモドキ属]

Ceratodictyon hachijoense (Yamada & Segawa)

R.E.Norris ハチジョウテングサモドキ

[= *Gelidiopsis hachijoensis* Yamada & Segawa]

Ceratodictyon intricatum (C.Agardh) R.E.Norris モツレテングサモドキ

[= *Gelidiopsis intricata* (C.Agardh) Vickers]

Ceratodictyon repens (Kützinger) R.E.Norris テングサモドキ

[= *Gelidiopsis repens* (Kützinger) Weber-van Bosse]

[= *Gelidiopsis acrocarpa* (Harvey ex Kützinger) De Toni]

Ceratodictyon spongiosum Zanardini カイメンソウ

Ceratodictyon variable (Greville ex J.Agardh)

R.E.Norris マバラテングサモドキ (新称)

[= *Gelidiopsis variabilis* (Greville ex J.Agardh) F.Schmitz]

[= *Gelidiopsis gracilis* (Kützinger) Feldmann]

Genus *Fushitsunagia* Filloramo & G.W.Saunders, 2016

フシツナギ属

Fushitsunagia catenata (Harvey) Filloramo &

G.W.Saunders フシツナギ

[= *Lomentaria catenata* Harvey]

[*Chylocladia kaliformis* auct. non (Goodenough & Woodward) Hooker: Hariot (1891)]

[*Lomentaria kaliformis* auct. non (Goodenough & Woodward) Gaillon: De Toni (1895)]

[*Gastroclonium kaliforme* auct. non (Goodenough & Woodward) Ardisson: Okamura (1902)]

[*Lomentaria umbellata* auct. non (Hooker f. & Harvey)

Yendo: Yendo (1916)]

Note: Filloramo & Saunders (2016) transferred *Lomentaria catenata* to *Fushitsunagia*.

Genus *Lomentaria* Lyngbye, 1819 ロメンタリア属

Lomentaria flaccida Tak.Tanaka フサフシツナギ

Lomentaria lubrica (Yendo) Yamada イタオヤギソウ

[= *Chylocladia lubrica* Yendo]

Lomentaria pinnata Segawa ヒロハフシツナギ (別

称: ヒメフシツナギ)

[= *Lomentaria okamurae* Segawa ヒロハフシツナギ]

[*Lomentaria rosea* auct. non (Harvey) Thuret: Okamura (1934) ヒロハフシツナギ]

Genus *Yendoa* C.C.Santos, Lyra & J.M.C.Nunes *in*

Santos *et al.* (2022 '2023') コスジフシツナギ属 (新称)

Yendoa hakodatensis (Yendo) C.C.Santos, Lyra &

J.M.C.Nunes コスジフシツナギ

[= *Lomentaria hakodatensis* Yendo]

Note: Santos *et al.* (2022) transferred *Lomentaria hakodatensis* to *Yendoa*.

Family Rhodymeniaceae Harvey, 1846 マサゴシバリ科

Genus *Botryocladia* (J.Agardh) Pfeiffer, 1873 nom.

cons. ハナノエダ属

Botryocladia kuckuckii (Weber-van Bosse) Yamada & Tak.Tanaka アツカワハナノエダ

[*Botryocladia skottsbergii* auct. non (Børgesen) Levring: Chihara (1983) アツカワハナノエダ]

Note: Historically, this species synonymized with *Botryocladia skottsbergii* in Japan (Yoshida *et al.*, 2015). However, Littler & Littler (2003) reinstated *B. kuckuckii* as a distinct species.

Botryocladia leptopoda (J.Agardh) Kylin ハナノエダ
[*Botryocladia uvaria* auct. non (Murray) Harvey: Okamura (1921) ハナノエダ]

Botryocladia wrightii (Harvey) W.E.Schmidt, D.L.Ballantine & Fredericq タオヤギソウ

[= *Halosaccion wrightii* Harvey]

[= *Chylocladia wrightii* (Harvey) Okamura オオタオヤギソウ]

[= *Chrysomenia wrightii* (Harvey) Yamada]

[*Chrysomenia enteromorpha* auct. non Harvey: Yendo (1917)]

Note: Schmidt *et al.* (2017) transferred *Chrysomenia wrightii* to *Botryocladia*.

Genus *Chamaebotrys* Huisman, 1996 スジコノリ属

Chamaebotrys boergesenii (Weber-van Bosse) Huisman スジコノリ

[= *Coelarthrum boergesenii* Weber-van Bosse]

[= *Coelarthrum coactum* Okamura & Segawa スジコノリ]

Chamaebotrys lomentariae (Tak.Tanaka & K.Nozaawa) Huisman カタミノフクロツナギ

[= *Coelarthrum lomentariae* Tak.Tanaka & K.Nozaawa]

Genus *Chrysomenia* J.Agardh, 1842 オオヌラブクロ属 (改称; 旧称: タオヤギソウ属)

[= *Cryptarachne* (Harvey) Kylin, 1931 ヒラタオヤギ属]

Chrysomenia grandis Okamura オオヌラブクロ

Chrysomenia okamurae Yamada & Segawa ハナサクラ
[= *Cryptarachne okamurae* (Yamada & Segawa) C.F.Chang & B.M.Xia]

[*Chrysomenia kaernbachii* auct. non Grunow: Okamura (1932) ハナサクラ]

Chrysomenia polyglandulosa Okamura ヒラタオヤギ
[= *Cryptarachne polyglandulosa* (Okamura) Segawa]

Note: Historically, this species was treated as a member of *Cryptarachne* in Japan (Yoshida *et al.*, 2015). However, Schmidt *et al.* (2016) synonymized *Cryptarachne* with *Chrysomenia*. Accordingly, this species is here treated under *Chrysomenia*.

Genus *Coelarthrum* Børgesen, 1910 フクロツナギ属
Coelarthrum opuntia (Endlicher) Børgesen フクロツナギ

[= *Erythrocolon muelleri* (Sonder) De Toni フクロツナギ]

[= *Chylocladia muelleri* (Sonder) Harvey]

[= *Coelarthrum muelleri* (Sonder) Børgesen]

Genus *Erythrocolon* J.Agardh in Grunow 1874 ヒメフクロツナギ属

Erythrocolon podagricum J.Agardh ヒメフクロツナギ

Genus *Halichrysis* (J.Agardh) F.Schmitz, 1889 チリボタン属

[= *Weberella* F.Schmitz in Engler & Prantl (1896) ウエバグサ属]

Halichrysis japonica Segawa チリボタン

Halichrysis micans (Hauptfleisch) P.Huvé & H.Huvé ウエバグサ

[= *Weberella micans* Hauptfleisch]

Genus *Halopeltis* J.Agardh, 1854 カサネイツツギス属
Halopeltis adnata (Okamura) G.W.Saunders &

C.W.Schneider カサネイツツギス

[= *Rhodymenia adnata* Okamura]

Halopeltis tanakae Mas.Suzuki & R.Terada シンカイヒメダルス

[= *Rhodymenia prostrata* Tak.Tanaka] *Replaced synonym

Note: Suzuki & Terada (2021b) transferred *Rhodymenia prostrata* to *Halopeltis* and proposed the replacement name

H. tanakae.

Genus *Rhodymenia* Greville, 1830 nom. et orth. cons.
マサゴシバリ属

Rhodymenia coacta Okamura & Segawa ハナガサネ

Rhodymenia intricata (Okamura) Okamura マサゴシ
バリ

[≡ *Phyllophora intricata* Okamura]

[*Faucheia repens* auct. non (C.Agardh) Montagne & Bory:
Okamura (1902)]

[*Phyllophora palmettooides* auct. non J.Agardh: Yendo
(1916)]

Rhodymenia liniformis Okamura ホソダルス

Rhodymenia parva Yamada ヒメダルス

Genus *Sciadophycus* E.Y.Dawson, 1944 ヒメヒシガタ
ノリ属

Sciadophycus stellatus E.Y.Dawson ヒメヒシガタノリ

[≡ *Faucheia rhizophylla* W.R.Taylor ヒメヒシガタノリ]

Genus *Sparlingia* G.W.Saunders, I.Strachan & Kraft,
1999 アナダルス属

Sparlingia pertusa (Postels & Ruprecht) G.W.Saunders,
I.Strachan & Kraft アナダルス

[≡ *Rhodymenia pertusa* (Postels & Ruprecht) J.Agardh]

Order Sebdeniales Withall & G.W.Saunders, 2007
スラクサ目

Family Sebdeniaceae Kylin, 1932 スラクサ科

Genus *Lesleigha* Kraft & G.W.Saunders, 2011 ヤマダ
グサ属

Lesleigha yamadae (Okamura & Segawa) G.W.Saunders
& Kraft ヤマダグサ

[≡ *Sebdenia yamadae* Okamura & Segawa]

Genus *Sebdenia* (J.Agardh) Berthold, 1882 スラクサ属
Sebdenia flabellata (J.Agardh) P.G.Parkinson スラクサ

[≡ *Halymenia agardhii* De Toni] *Replacement name

[*Halymenia decipiens* auct. non J.Agardh: Okamura
(1916)]

[*Halymenia polydactyla* auct. non Børgesen: Yamada
(1938) クロスラクサ]

[*Sebdenia polydactyla* auct. non (Børgesen)

M.Balakrishnan: Yoshida *et al.* (1985)]

Sebdenia okamurae Yamada オカムラグサ

Note: Yoshida (1998) suggested that this species possibly
belongs to a different genus.

Rhodymeniophycidae ordo incertae sedis 目
の所属不明

Family Calosiphoniaceae Kylin, 1932 スメリグサ科

Note: According to Withall & Saunders (2006), the
systematic position of this family within the
Rhodymeniophycidae remains uncertain.

Genus *Calosiphonia* P.Crouan & H.Crouan 1852 スメ
リグサ属

Calosiphonia vermicularis (J.Agardh) F.Schmitz スメ
リグサ

Genus *Schmitzia* P.C.Silva, 1959 ホウノオ属

[≡ *Bertholdia* F.Schmitz, 1889 nom. illeg.]

Schmitzia japonica (Okamura) P.C.Silva ホウノオ

[≡ *Platoma japonicum* Okamura]

[≡ *Bertholdia japonica* (Okamura) Segawa]

Family Pterocladophilaceae K.C.Fan & Papenfuss,
1959 テングサヤドリ科

Note: According to Athanasiadis (2016), the systematic
position of this family within the Florideophyceae remains
uncertain.

Genus *Gelidiocolax* N.L.Gardner, 1927 テングサヤド
リ属

Gelidiocolax mammillatus K.C.Fan & Papenfuss テン
グサヤドリ

Phylum Heterokontophyta Moestrup, R.A.Andersen & Guiry in Guiry *et al.* (2023) 不等毛植物門

[Phaeophyta Kjellman, 1891 褐藻植物門]

[Ochromytha (Cavalier-Smith) Cavalier-Smith & E.E.Chao, 1996 黄藻植物門 (オクロ植物門)]

[Stramenopiles D.J.Patterson, 1989 nom. inval.]

Note: Guiry *et al.* (2023) validated the phylum name Heterokontophyta.

Class Phaeophyceae Kjellman in Engler & Prantl (1891) 褐藻綱

Note: The classification of subclasses within the Phaeophyceae follows Silberfeld *et al.* (2014), whereas the order-level classification is based on Kawai (2019) and Bringloe *et al.* (2020).

Subclass Dictyotophycidae Silberfeld, F.Rousseau & de Reviers, 2014 アミジグサ亜綱

Order Dictyotales Bory in Duperrey (1828) アミジグサ目

Family Dictyotaceae J.V.Lamouroux ex Dumortier, 1822 アミジグサ科

Tribe Dictyoteae Greville, 1833 アミジグサ連

Note: The classification and recognition of species belonging to the Dictyoteae in Japan are based on Vieira *et al.* (2025).

Genus *Canistrocarpus* J.C.De Paula & De Clerck, 2006 カヅノアミジ属 (新称)

Canistrocarpus cervicornis (Kützinger) J.C.De Paula & De Clerck カヅノアミジ

[*Dictyota divaricata* auct. non J.V.Lamouroux: Okamura (1913) カヅノアミジ]

Genus *Dictyota* J.V.Lamouroux, 1809 nom. et typ. cons. アミジグサ属

[= *Glossophora* J.Agardh, 1882]

[= *Pachydictyon* J.Agardh, 1894 サナダグサ属]

[= *Glossophorella* Nizamuddin & A.C.Campbell, 1995]

Dictyota acutiloba J.Agardh イトアミジ

[*Dictyota linearis* auct. non (C.Agardh) Greville:

Okamura (1913) イトアミジ]

Dictyota bartayresiana J.V.Lamouroux オオマタアミジ

Dictyota ceylanica Kützinger セイロンアミジ

Dictyota churaumia C.W.Vieira, S.Akita & H.Kawai

チュラウミアミジグサ

Dictyota ciliolata Sonder ex Kützinger ヒロハアミジグサ

Dictyota coriacea (Holmes) I.K.Hwang, Hy.S.Kim &

W.J.Lee サナダグサ

[≡ *Glossophora coriacea* Holmes]

[≡ *Pachydictyon coriaceum* (Holmes) Okamura]

[≡ *Glossophorella coriacea* (Holmes) Nizamuddin]

[*Dictyota kunthii* auct. non (C.Agardh) Greville: Okamura (1892)]

[*Dictyota maxima* auct. non Zanardini: Okamura (1936)

p.p. オオバアミジグサ (p.p.)]

Dictyota friabilis Setchell ハイアミジグサ

Dictyota haenyeosa C.W.Vieira, Jeong C.Kang &

M.S.Kim アオミドリアミジグサ

Dictyota humifusa Hörnig, Schnetter & Coppejans モツレアミジ

Dictyota liturata J.Agardh フチドリアミジ

[*Dictyota naevosa* auct. non (Suhr) Montagne: Yendo (1909)]

Dictyota pfaffii Schnetter クボミアミジグサ

Dictyota pulvinata Sadeghi, Sohrabipour & De Clerck

Note: Ni-Ni-Win (2025) recorded this species as a new record for Japan.

Dictyota rigida De Clerck & Coppejans カタアミジグサ

Dictyota sandvicensis Sonder コモンアミジ

[*Dictyota patens* auct. non J.Agardh: Okamura (1913) コモンアミジ]

Dictyota spatulata Yamada アミジグサ (別称: ヘラアミジグサ)

[= *Dictyota adhaerens* Noda イワアミジ]

[= *Dictyota virellus* Noda ミドリアミジグサ]

[= *Dictyota dimorphosa* Ni-Ni-Win & H.Kawai]

[*Dictyota dichotoma* auct. non (Hudson) J.V.Lamouroux: Hariot (1891) アミジグサ]

[*Dictyota indica* auct. non Sonder ex Kützinger: Okamura (1936)]

[*Dictyota binghamiae* auct. non J.Agardh: Noda (1969) ビンガアミジ]

[*Dictyota flabellata* auct. non (Collins) Setchell & N.L.Gardner: Noda (1969) センケイアミジグサ]

Dictyota spinulosa Hooker & Arnott ハリアミジグサ

[*Dictyota dentata* auct. non J.V.Lamouroux: Okamura (1914) トゲアミジ]

Dictyota sumbisoria C.W.Vieira, Jeong C.Kang & M.S.Kim ヨレアミジ

[*Dictyota cervicornis* auct. non Kützinger: Noda (1965) ヨレアミジ]

Dictyota taewakia C.W.Vieira, Jeong C.Kang & M.S.Kim オオバアミジグサ

[*Dictyota maxima* auct. non Zanardini: Okamura (1936) p.p. オオバアミジグサ]

Genus *Rugulopteryx* De Clerck & Coppejans in De Clerck *et al.* (2006) ニセアミジ属

Rugulopteryx okamurae (E.Y.Dawson) I.K.Hwang, W.J.Lee & Hy.S.Kim フクリンアミジ

[= *Dilophus okamurae* E.Y.Dawson]

[= *Dictyota okamurae* (E.Y.Dawson) Hörnig, Schnetter & Prud'homme]

[= *Dictyota marginata* Okamura nom. illeg.]*Replaced synonym

[= *Dilophus marginatus* (Okamura) Okamura nom. illeg.]

*Replaced synonym

Tribe Zonarieae O.C.Schmidt, 1938 シマオウギ連

Genus *Dictyopteris* J.V.Lamouroux, 1809 nom. cons. ヤハズグサ属

[= *Haliseris* C.Agardh, 1820 ヤハズグサ属]

[= *Neurocarpus* F.Weber & D.Mohr, 1805 nom. rej. ヤハズグサ属]

Dictyopteris divaricata (Okamura) Okamura エゾヤハズ

[= *Haliseris divaricata* Okamura]

[= *Neurocarpus divaricatus* (Okamura) M.Howe]

[= *Haliseris evanescens* Yendo]

Dictyopteris fucoides Tak.Tanaka オオバヤハズ

Dictyopteris latiuscula (Okamura) Okamura ヤハズグサ

[= *Haliseris latiuscula* Okamura]

[= *Neurocarpus latiusculus* (Okamura) Okamura]

[*Dictyopteris polypodioides* auct. non (De Candolle) J.V.Lamouroux: Hariot (1891)]

[*Haliseris polypodioides* auct. non (De Candolle) C.Agardh: De Toni (1895)]

Dictyopteris pacifica (Yendo) I.K.Hwang, Hy.S.Kim & W.J.Lee コモングサ

[= *Spatoglossum pacificum* Yendo]

[*Spatoglossum solieri* auct. non (Chauvin ex Montagne) Kützinger: Yendo (1916)]

[*Spatoglossum cornigerum* auct. non J.Agardh: Yendo (1916)]

Dictyopteris papenfussii Tak.Tanaka リボンヤハズ

Dictyopteris plagiogramma (Montagne) K.Möbius スジヤハズ

[= *Neurocarpus plagiogrammus* (Montagne) Kuntze]

Dictyopteris polypodioides (De Candolle)

J.V.Lamouroux ウラボシヤハズ

Dictyopteris prolifera (Okamura) Okamura ヘラヤハズ

[= *Haliseris prolifera* Okamura]

[= *Neurocarpus proliferus* (Okamura) Kuntze]

Dictyopteris punctata Noda ウスバヤハズ

Dictyopteris repens (Okamura) Børgesen ヒメヤハズ

[= *Haliseris repens* Okamura]

[= *Neurocarpus repens* (Okamura) Okamura]

Dictyopteris undulata Holmes シワヤハズ

[= *Haliseris undulata* (Holmes) Okamura]

[*Neurocarpus undulatus* (Holmes) Okamura]

[= *Haliseris undulata* f. *plana* Okamura]

[= *Neurocarpus undulatus* f. *planus* (Okamura)

Okamura]

Note: Lee & Hwang (2010) synonymized *Neurocarpus undulata* f. *plana* with *Dictyopteris undulata*.

Genus *Distromium* Levring, 1940 フタエオウギ属

Distromium decumbens (Okamura) Levring フタエオウギ

[= *Chlanidophora decumbens* Okamura]

[= *Chlanidophora repens* Okamura フタエオウギ]

Genus *Homoeostrichus* J.Agardh, 1894 ヤレオウギ属

Homoeostrichus flabellatus Okamura ヤレオウギ (別称: ヤブレオウギ)

[= *Zonaria flabellata* (Okamura) Papenfuss]

[*Homoeostrichus sinclairii* auct. non (Hooker f. & Harvey)

J.Agardh: Okamura (1923) ヤブレオウギ]

Genus *Lobophora* J.Agardh, 1894 ハイオウギ属

[= *Gymnosorus* J.Agardh, 1894 nom. illeg. ハイオウギ属]

[= *Pocockiella* Papenfuss, 1943 ハイオウギ属]

Lobophora asiatica Z.Sun, Ji.Tanaka & H.Kawai ウスバハイオウギ (新称)

[*Gymnosorus nigrescens* auct. non (Sonder) J.Agardh: De Toni (1895) p.p. ハイオウギ (p.p.)]

[*Gymnosorus collaris* auct. non (C.Agardh) J.Agardh: Okamura (1907) p.p. ハイオウギ (p.p.)]

[*Pocockiella variegata* auct. non (J.V.Lamouroux)

Papenfuss: Segawa (1956) p.p. ハイオウギ (p.p.)]

[*Lobophora variegata* auct. non (J.V.Lamouroux)

Womersley ex E.C.Oliveira: Chihara (1983) p.p. ハイオウギ (p.p.)]

Lobophora obscura (Dickie) C.W.Vieira, De Clerck & Payri アツバハイオウギ (新称)

[= *Lobophora crassa* Z.Sun, P.E.Lim & H.Kawai]

[*Gymnosorus nigrescens* auct. non (Sonder) J.Agardh: De Toni (1895) p.p. ハイオウギ (p.p.)]

[*Gymnosorus collaris* auct. non (C.Agardh) J.Agardh: Okamura (1907) p.p. ハイオウギ (p.p.)]

[*Pocockiella variegata* auct. non (J.V.Lamouroux)

Papenfuss: Segawa (1956) p.p. ハイオウギ (p.p.)]

[*Lobophora variegata* auct. non (J.V.Lamouroux)

Womersley ex E.C.Oliveira: Chihara (1983) p.p. ハイオウギ (p.p.)]

Lobophora pachyventera Z.Sun, P.E.Lim, Ji.Tanaka & H.Kawai カタヨリハイオウギ (新称)

[*Gymnosorus nigrescens* auct. non (Sonder) J.Agardh: De Toni (1895) p.p. ハイオウギ (p.p.)]

[*Gymnosorus collaris* auct. non (C.Agardh) J.Agardh: Okamura (1907) p.p. ハイオウギ (p.p.)]

[*Pocockiella variegata* auct. non (J.V.Lamouroux)

Papenfuss: Segawa (1956) p.p. ハイオウギ (p.p.)]

[*Lobophora variegata* auct. non (J.V.Lamouroux)

Womersley ex E.C.Oliveira: Chihara (1983) p.p. ハイオウギ (p.p.)]

Genus *Padina* Adanson, 1763 nom. cons. ウミウチワ属

Note: The classification and recognition of species

belonging to *Padina* in Japan are based on Ni-Ni-Win & Kawai (2021).

Padina arborescens Holmes ウミウチワ

[*Zonaria durvillei* auct. non (Bory) Kützing: Martens (1868)]

[*Padina durvillei* auct. non Bory: Heydrich (1894)]

Padina australis Hauck ウスバウミウチワ

Padina australis* var. *cuneata Tak.Tanaka & K.Nozaue
キレバノウスバウミウチワ

Padina crassa Yamada コナウミウチワ

[*Padina pavonia* auct. non (Linnaeus) J.V.Lamouroux: Okamura (1902) p.p. コナウミウチワ]

Padina fasciata Ni-Ni-Win, M.Uchimura & H.Kawai シマメウミウチワ

Padina imbricata Ni-Ni-Win, H.Shimabukuro & H.Kawai ハイウミウチワ

Padina ishigakiensis Ni-Ni-Win, S.Arai, M.Uchimura & H.Kawai イシガキウミウチワ

Padina japonica Yamada オキナウチワ

[*Padina pavonia* auct. non (Linnaeus) J.V.Lamouroux: Okamura (1902) p.p.]

Padina lutea Ni-Ni-Win, M.Uchimura & H.Kawai アサキウミウチワ

Padina macrophylla Ni-Ni-Win, M.Uchimura & H.Kawai オオバウミウチワ

Padina melemele I.A.Abbott & Magruder コガネウミ
ウチワ

Padina minor Yamada ウスユキウチワ

Padina moffittiana I.A.Abbott & Huisman モフィット
ウミウチワ

Padina moffittianoides Ni-Ni-Win, M.Uchimura &
H.Kawai ヒワチャウミウチワ

Padina nitida Ni-Ni-Win, Hanyuda, M.Uchimura &
H.Kawai ミヤビウミウチワ

Padina ogasawaraensis Ni-Ni-Win, Hanyuda,
M.Uchimura & H.Kawai ボニンウミウチワ

Padina okinawaensis Ni-Ni-Win, S.Arai & H.Kawai オ
キナワウミウチワ

Padina reniformis Ni-Ni-Win & H.Kawai マメガタウ
ミウチワ

Padina ryukyuana Y.P.Lee & Kamura リュウキュウウ
ミウチワ

Padina sanctae-crucis Børgesen サンタクルスウミウ
チワ

Padina stipitata Tak.Tanaka & K.Nozaawa エツキウミ
ウチワ

Padina terricolor Ni-Ni-Win, M.Uchimura & H.Kawai
ツチイロウミウチワ

Padina thivyae Doty & Newhouse カサネウミウチワ

Padina undulata Ni-Ni-Win, S.Arai & H.Kawai シワウ
ミウチワ

Genus *Spatoglossum* Kützting, 1843 モンナシグサ属

Spatoglossum asperum J.Agardh モンナシグサ

Spatoglossum crassum Ji.Tanaka アツバコモングサ

[*Spatoglossum variable* auct. non Figari & De Notaris:
Yendo (1916) ホソバコモングサ]

Spatoglossum latum Ji.Tanaka ヒロハコモングサ

Spatoglossum mageshimense (Tak.Tanaka) H.Kawai,
R.Terada & Hanyuda ゴアンメ

[≡ *Punctaria mageshimensis* Tak.Tanaka]

Note: Kawai *et al.* (2020c) transferred *Punctaria*
mageshimensis to *Spatoglossum*.

Spatoglossum stipitatum (Tak.Tanaka & K.Nozaawa)

Bittner, Payri, Couloux, Cruaud, de Reviers &
F.Rousseau エツキシマオウギ

[≡ *Zonaria stipitata* Tak.Tanaka & K.Nozaawa]

Note: Bittner *et al.* (2008) transferred *Zonaria stipitata* to
Spatoglossum.

Genus *Stypopodium* Kützting, 1843 ジガミグサ属

Stypopodium zonale (J.V.Lamouroux) Papenfuss ジガ
ミグサ

[= *Stypopodium lobatum* (C.Agardh) Kützting ジガミグ
サ]

[*Spatoglossum multipartitum* auct. non (Suhr) Kützting:
Suringar (1867)]

Stypopodium cf. flabelliforme Weber-van Bosse オウギ
ジガミグサ (新称)

Note: Kitayama (2022) recorded a *Stypopodium* species
from Chichijima Island, Japan, which he tentatively
identified as ‘*S. cf. flabelliforme*’ based on its
morphological similarity to *S. flabelliforme*.

Genus *Zonaria* C.Agardh, 1817 nom. cons. シマオウ
ギ属

Zonaria diesingiana J.Agardh シマオウギ

Order Sphacelariales Migula, 1908 クロガシラ目

Family Lithodermataceae Hauck, 1883 イワハダ科
(別称: ニセイシノカワ科)

Note: Silberfeld *et al.* (2014) transferred this family from
Ralfsiales to Sphacelariales.

Genus *Pseudolithoderma* Svedelius in Kjellman. &
Svedelius (1911) ニセイシノカワ属

Pseudolithoderma subextensum (Wærn) S.Lund ニセ
イシノカワ

Family Sphacelariaceae Decaisne, 1842 クロガシラ科

Genus *Battersia* Reinke ex Batters 1890 ハネクロガシ
ラ属

Battersia plumigera (Holmes ex Hauck) Draisma,
Prud'homme & H.Kawai ハネクロガシラ

[≡ *Sphacelaria plumigera* Holmes ex Hauck]

Genus *Sphacelaria* Lyngbye in Hornemann (1818) ク
ログシラ属

Sphacelaria californica (Sauvageau) Setchell &
N.L.Gardner ハネグンセンクロガシラ

Sphacelaria cornuta Sauvageau ホソグンセンクロガ
シラ

Sphacelaria didichotoma D.A.Saunders ヨツデクロガ
シラ

[= *Sphacelaria prostrata* Takamatsu ニッポンマタザキク
ログシラ]

[= *Sphacelaria tenuis* Takamatsu nom. illeg.]

[= *Sphacelaria hizikiae* T.Ohta & Noda ヒジキノクロガ
シラ]

[*Sphacelaria radicans* auct. non (Dillwyn) C.Agardh:
Yendo (1914) コモンクロガシラ]

[*Sphacelaria divaricata* auct. non Montagne: Kitayama
(1994) ヨツデクロガシラ]

Sphacelaria fusca (Hudson) Gray ミツデクロガシラ

[= *Sphacelaria variabilis* Sauvageau マタザキクロガシラ]

[= *Sphacelaria subfusca* Setchell & N.L.Gardner ミツマ
タクログシラ]

[= *Sphacelaria iridaeophytica* Nagai ギンアノクロガシラ]

[= *Sphacelaria sessilis* Takamatsu]

[= *Sphacelaria caespitosa* Takamatsu]

[= *Sphacelaria lutea* Takamatsu]

[= *Sphacelaria apicalis* Takamatsu アレイクロガシラ]

[= *Sphacelaria linearis* Takamatsu]

[= *Sphacelaria iwagasakensis* Noda エチゴクロガシラ]

[*Sphacelaria rigidula* auct. non Kützinger: Kitayama (1994)
ミツデクロガシラ]

Sphacelaria nipponica Kitayama ナガグンセンクロガ
シラ

Sphacelaria rigidula Kützinger ワイジガタクログシラ

[= *Sphacelaria furcigera* Kützinger ワイジガタクログシラ]

[= *Sphacelaria expansa* Noda ジュウタンクロガシラ]

Sphacelaria solitaria (Pringsheim) Kylin ホソエクロ
ガシラ

[= *Sphacelaria divaricata* f. *japonica* Takamatsu]

[= *Sphacelaria viridis* Takamatsu]

[= *Sphacelaria shiiaensis* Noda ホソエクロガシラ]

Sphacelaria tribuloides Meneghini グンセンクロガシラ

Sphacelaria yamadae Segawa ツクバネクロガシラ

[= *Sphacelaria radiata* Takamatsu クビレクロガシラ]

[= *Sphacelaria pyriformis* Noda セイヨウナシノミクロ
ガシラ]

Family Stypocaulaceae Oltmanns, 1922 カシラザキ科

Genus *Halopteris* Kützinger, 1843 カシラザキ属

[= *Stypocaulon* Kützinger, 1843 エゾカシラザキ属]

Halopteris dura (Ruprecht) Perestenko エゾカシラザキ

[= *Stypocaulon durum* (Ruprecht) Okamura]

[*Halopteris scoparia* auct. non (Linnaeus) Sauvageau:
Tokida (1931) エゾカシラザキ]

Halopteris filicina (Grateloup) Kützinger カシラザキ

Order Syringodermatales E.C.Henry, 1984 ウス
バオウギ目

Family Syringodermataceae E.C.Henry, 1984 ウス
バオウギ科

Genus *Microzonina* J.Agardh, 1894 ウスバオウギ属

[= *Syringoderma* Levring, 1940 ウスバオウギ属]

Microzonina abyssicola (Setchell & N.L.Gardner)

O.Camacho & Fredericq ウスバオウギ

[= *Syringoderma abyssicola* (Setchell & N.L.Gardner)
Levring]

[*Syringoderma australe* auct. non Levring: Matsunaga &
Yamada (1974) ウスバオウギ]

Note: Camacho *et al.* (2018) transferred *Syringoderma*
abyssicola to *Microzonina*.

Subclass Discosporangiophycidae

Silberfeld, F.Rousseau & de Reviers, 2014 タマクシゲ
亜綱

Order Discosporangiales O.C.Schmidt, 1937 タ

マクシゲ目

Family Discosporangiaceae O.C.Schmidt, 1937 タマクシゲ科

Genus *Discosporangium* Falkenberg, 1878 タマクシゲ属

Discosporangium mesarthrocarpum (Meneghini) Hauck
タマクシゲ

Subclass Fucophycidae Cavalier-Smith, 1986
ヒバマタ亜綱

Order Asterocladales Silberfeld, Racault, R.L.Fletcher, A.F.Peters, F.Rousseau & de Reviers, 2011
アステロクラドン目

Family Asterocladaceae Silberfeld, Racault, R.L.Fletcher, A.F.Peters, F.Rousseau & de Reviers, 2011
アステロクラドン科

Genus *Asterocladon* D.G.Müller, E.R.Parodi & A.F.Peters, 1999 アステロクラドン属
Asterocladon breviarticulatum (J.Agardh) E.Sasagawa, Uwai & Kogame タマガタシオミドロ
[≡ *Ectocarpus breviarticulatus* J.Agardh]
[≡ *Hincksia breviarticulata* (J.Agardh) P.C.Silva]
[≡ *Asteronema breviarticulatum* (J.Agardh) Ouriques & Bouzon]
Note: Sasagawa *et al.* (2025) transferred *Asteronema breviarticulatum* to *Asterocladon*.

Asterocladon discoideum E.Sasagawa & Kogame
Note: Sasagawa *et al.* (2025) described this species based on the type collected from Oodo, Okinawa Prefecture, Japan.

Asterocladon interjectum Uwai, Nagasato, Motomura & Kogame

Asterocladon iriomotense E.Sasagawa & Kogame
Note: Sasagawa *et al.* (2025) described this species based on the type collected from Iriomote Island, Okinawa Prefecture, Japan.

Asterocladon rhodochortonoides (Børgesen) Uwai,

Nagasato, Motomura & Kogame

[≡ *Asteronema rhodochortonoides* (Børgesen) D.G.Müller & E.R.Parodi]

Order Chordales Starko, H.Kawai, S.C.Lindstrom & Martone *in* Starko *et al.* (2019) ツルモ目

Note: Starko *et al.* (2019) described Chordales and transferred Akkesiphycaceae, Chordaceae, and Pseudochordaceae from Laminariales to Chordales.

Family Akkesiphycaceae H.Kawai & H.Sasaki, 2000
コンブモドキ科

Genus *Akkesiphycus* Yamada & Tak.Tanaka, 1944 コンブモドキ属
Akkesiphycus lubricus Yamada & Tak.Tanaka コンブモドキ

Family Chordaceae Dumortier, 1822 ツルモ科

Genus *Chorda* Stackhouse, 1797 ツルモ属
Chorda asiatica H.Sasaki & H.Kawai ツルモ
[*Chorda filum* auct. non (Linnaeus) Stackhouse: Dickie (1877) ツルモ]

Chorda kikonaiensis H.Sasaki & H.Kawai キコナイツルモ

Chorda rigida H.Kawai & S.Arai カタツルモ

Family Pseudochordaceae H.Kawai & Kurogi, 1985
ニセツルモ科

Genus *Pseudochorda* Yamada, Tokida & Inagaki *in* Inagaki (1958) ニセツルモ属
Pseudochorda gracilis H.Kawai & Nabata ホソツルモ
Pseudochorda nagaii (Tokida) Inagaki ニセツルモ
[≡ *Chordaria nagaii* Tokida]

Order Desmarestiales Setchell & N.L.Gardner, 1925 ウルシグサ目

Family Desmarestiaceae Kjellman, 1880 ウルシグサ科

Genus *Desmarestia* J.V.Lamouroux, 1813 nom. cons.

ウルシグサ属

[= *Desmia* Lyngbye, 1819 nom. illeg.] *Superfluous name

[*Tabacopsis* Okamura, 1902 nom. inval. タバコグサ属]

Desmarestia dudresnayi* subsp. *tabacoides (Okamura)

A.F.Peters, E.C.Yang, F.C.Küpper & Prud'Homme タバコグサ

[= *Desmarestia tabacoides* Okamura]

[*Tabacopsis acetosa* Okamura nom. inval. タバコグサ]

Desmarestia japonica H.Kawai, Hanyuda, D.G.Müller,

E.C.Yang, A.F.Peters & F.C.Küpper ウルシグサ

[*Desmarestia ligulata* auct. non (Stackhouse)

J.V.Lamouroux: Okamura (1910) ウルシグサ]

Desmarestia viridis (O.F.Müller) J.V.Lamouroux ケウ

ルシグサ

Order Ectocarpales Bessey, 1907 シオミドロ目

[= Chordariales Setchell & N.L.Gardner, 1925 ナガマツモ目]

[= Dictyosiphonales Setchell & N.L.Gardner, 1925 ウイキョウモ目]

[= Scytosiphonales Feldmann, 1949 カヤモノリ目]

Note: The classification of families and genera within the Ectocarpales is based on Silberfeld *et al.* (2014).

Family Acinetosporaceae Hamel ex Feldmann, 1937

アキネトスポラ科

[= Pilayellaceae P.M.Pedersen, 1984 ピラエラ科]

Genus *Acinetospora* Bornet, 1892 アキネトスポラ属

Acinetospora asiatica K.Yaegashi, Y.Yamagishi & Kogame

[*Acinetospora crinita* auct. non (Carmichael) Sauvageau: Tanaka & Chihara (1977)]

Note: Historically, this species was identified as *Acinetospora crinita* in Japan (Yoshida *et al.*, 2015); however, Yaegashi *et al.* (2015) demonstrated that the Japanese specimens represent a distinct species from *A. crinita* and described it as *A. asiatica* based on the type collected from Oshoro, Hokkaido Prefecture, Japan.

Acinetospora filamentosa (Noda) K.Yaegashi, Uwai &

Kogame タンシシオミドロ

[= *Ectocarpus filamentosus* Noda]

[= *Ectocarpus ugoensis* K.Konno ウゴシオミドロ]

Note: Historically, *Ectocarpus filamentosus* was synonymized with *Acinetospora crinita* in Japan (Yoshida *et al.*, 2015); however, Yaegashi *et al.* (2015) reinstated *E. filamentosus* as a distinct species and transferred it to *Acinetospora*.

Genus *Feldmannia* Hamel, 1939 フェルドマニア属

Feldmannia formosana (Yamada) Itono ナンカイシオミドロ

[= *Ectocarpus formosanus* Yamada]

Feldmannia indica (Sonder) Womersley & A.Bailey ナガミシオミドロ

[= *Ectocarpus indicus* Sonder]

[= *Hincksia indica* (Sonder) Ji.Tanaka]

Note: Formerly, this species was a member of *Hincksia* in Japan (Yoshida *et al.*, 2015); however, Kim (2010), placed it in *Feldmannia*.

Feldmannia irregularis (Kützinger) Hamel ミルシオミドロ

[= *Ectocarpus izuensis* Segawa ミルシオミドロ]

Feldmannia mitchelliae (Harvey) Hy.S.Kim タワラガタシオミドロ

[= *Ectocarpus mitchelliae* Harvey]

[= *Giffordia mitchelliae* (Harvey) Hamel; *Hincksia mitchelliae* (Harvey) P.C.Silva]

Note: Formerly, this species was a member of *Hincksia* in Japan (Yoshida *et al.*, 2015); however, Kim (2010), transferred it to *Feldmannia*.

Feldmannia simplex (P.Crouan & H.Crouan) Hamel ヒメミルシオミドロ

[= *Ectocarpus socialis* Setchell & N.L.Gardner ヒメミルシオミドロ]

Note: Historically, this species was identified as *Ectocarpus socialis* in Japan (Yoshida *et al.*, 2015). However, recent studies (e.g., Fletcher, 2024) have synonymized *E. socialis* with *F. simplex*.

Genus *Hincksia* Gray, 1864 ヒンクシア属

[= *Giffordia* Batters, 1893]

Hincksia granulosa (Smith) P.C.Silva

Hincksia ovata (Kjellman) P.C.Silva

Hincksia sandriana (Zanardini) P.C.Silva

[= *Giffordia sandriana* (Zanardini) Hamel]

Genus *Internoretia* Setchell & N.L.Gardner, 1920 イン
テルノレティア属

Internoretia fryeana Setchell & N.L.Gardner

Genus *Pogotrichum* Reinke, 1892 コブノヒゲ属

Pogotrichum yezoense (Yamada & Y.Nakamura) Sakai
& Saga コブノヒゲ

[= *Litosiphon yezoense* Yamada & Y.Nakamura]

[*Pogotrichum filiforme* var. *yezoense* (Yamada &
Y.Nakamura) P.M.Pedersen nom. inval.]

Genus *Pylaiella* Bory, 1823 nom. et orth. cons. ピラエ
ラ属

Pylaiella littoralis (Linnaeus) Kjellman ピラエラ

Pylaiella petaloniae Noda ヒナピラエラ

Note: Although Yoshida (1998) excluded this species from
the Japanese algal flora based on ICBN Art. 37.3 (presently
ICN Art. 40.1), the name meets the requirements for valid
publication under ICN Art. 40.3 and 40.6 (Turland *et al.*,
2025).

Family Chordariaceae Greville, 1830 ナガマツモ科

[= Myrionemataceae Nägeli, 1847 ミリオネマ科]

[= Dictyosiphonaceae Kützinger, 1849 ウイキョウモ科]

[= Punctariaceae (Thuret) Kjellman, 1880 ハバモドキ科]

[= Asperococcaceae Farlow, 1881 コモンブクロ科]

[= Leathesiaceae Farlow, 1881 ネバリモ科]

[= Elachistaceae Kjellman, 1890 ナミマクラ科]

[= Spermatocnaceae Kjellman, 1890 モズク科]

[= Striariaceae Kjellman, 1890 ヨコジマノリ科]

[= Coilodesmaceae Setchell & N.L.Gardner, 1925 エゾフ
クロ科]

[= Acrotrichaceae Kuckuck, 1929 ニセモズク科]

[= Delamareaceae Zinova, 1953 ニセカヤモ科]

[= Sorocarpaceae P.M.Pederson, 1977 イソブドウ科]

Genus *Acrothrix* Kylin, 1907 ニセモズク属

Acrothrix gracilis Kylin キタニセモズク

Acrothrix pacifica Okamura & Yamada ニセモズク

Acrothrix pacifica f. *crassa* Inagaki フトニセモズク

Genus *Asperococcus* J.V.Lamouroux, 1813 コモンブ
クロ属

Asperococcus bullosus J.V.Lamouroux コモンナガブ
クロ

Genus *Botrytella* Bory, 1822 イソブドウ属

[= *Sorocarpus* Pringsheim, 1862 イソブドウ属]

Botrytella pacifica (Hollenberg) G.I.Hansen キタシオ
ミドロ

[= *Ectocarpus intricatus* K.Konno モツレシオミドロ]

[= *Ectocarpus iwadatensis* Noda イワダテシオミドロ]

[= *Ectocarpus recurvatus* K.Konno nom. illeg. カラクサ
シオミドロ]

[*Polytretus reinboldii* auct. non (Reinke) Sauvageau:

Kurogi (1978) キタシオミドロ]

Note: Historically, this species was identified as

Polytretus reinboldii in Japan (Yoshida *et al.*, 2015);

however, Kim (2010) demonstrated that the Japanese and
Korean specimens are distinct from *P. reinboldii* and
reinstated *B. pacifica* as the correct name for this taxon.

Botrytella pacifica f. *minuta* (Kurogi) Mas.Suzuki &
Kitayama

[= *Polytretus reinboldii* f. *minutus* Kurogi]

Note: Kim (2010) suggested that *Polytretus reinboldii*
recorded in Japan and South Korea is a misapplied name
for *Botrytella pacifica*. Accordingly, the transfer of *P.*
reinboldii f. *minutus* to *B. pacifica* was proposed (p. 144).

Botrytella parva (Takamatsu) Hy.S.Kim イソブドウ

[= *Sorocarpus parvus* Takamatsu]

[= *Sorocarpus crassus* Takamatsu]

[= *Sorocarpus okamurae* Takamatsu]

[*Sorocarpus uviformis* auct. non (Lyngbye) Pringsheim:
Okamura (1929) イソブドウ]

[*Botrytella micromora* auct. non Bory: Tanaka (1988)]

Genus *Chordaria* C.Agardh, 1817 nom. cons. ナガマツ
モ属

Chordaria chordaeformis (Kjellman) H.Kawai &

Su.H.Kim ヒモナガマツモ

Chordaria flagelliformis (O.F.Müller) C.Agardh ナガマツモ

Chordaria gracilis Setchell & N.L.Gardner ホソマツモ

Genus *Cladosiphon* Kützing, 1843 オキナワモズク属
[= *Castagnea* Derbès & Solier, 1851 イトコグサ属]

Cladosiphon okamuranus Tokida オキナワモズク
[*Eudesme virescens* auct. non (Carmichael ex Berkeley)
J.Agardh: Okamura (1907) オキナワモズク]

Cladosiphon takenoensis H.Kawai タジマモズク
Note: Kawai *et al.* (2016a) described this species based on
the type collected from Takeno, Hyogo Prefecture, Japan.

Cladosiphon umezakii Ajisaka キシュウモズク

Genus *Coelocladia* Rosenvinge, 1893 オシヨログサ属
Coelocladia arctica Rosenvinge オシヨログサ
[= *Kjellmania arasakii* Yamada サメズグサ]

[*Phloeospora tortilis* auct. non (Gobi) Areschoug: Okamura
(1902) サメズグサ]

Note: Pedersen *et al.* (2000) synonymized *Kjellmania*
arasakii with *Coelocladia arctica*.

Genus *Coilodesme* Strömfelt, 1886 エゾフクロ属
Coilodesme cystoseirae (Ruprecht) Setchell &
N.L.Gardner ホソエゾフクロ

Coilodesme japonica Yamada エゾフクロ
[*Coilodesme cystoseirae* auct. non (Ruprecht) Setchell &
N.L.Gardner: Yendo (1909) エゾフクロ]

Genus *Compsonema* Kuckuck, 1899 コンブソネマ属
Compsonema coccophorae Noda スギモクノハリモ

Note: Although Yoshida (1998) excluded this species from
the Japanese algal flora based on ICBN Art. 37.3 (presently
ICN Art. 40.1), the name meets the requirements for valid
publication under ICN Art. 40.3 and 40.6 (Turland *et al.*,
2025).

Compsonema coniferum Setchell & N.L.Gardner

Compsonema dictyotoides Noda & S.Honda アミジノ
ハリモ

Note: Although Yoshida (1998) excluded this species from
the Japanese algal flora based on ICBN Art. 37.3 (presently

ICN Art. 40.1), the name meets the requirements for valid
publication under ICN Art. 40.3 and 40.6 (Turland *et al.*,
2025).

Compsonema intercalare Noda nom. inval. カイセイ
ハリモ

Note: This name is invalidly published under ICN Art. 40.1
(Turland *et al.*, 2025) because the type was not designated
in the original publication (Noda, 1969).

Compsonema oblongum Noda ナガミノハリモ

Note: Although Yoshida (1998) excluded this species from
the Japanese algal flora based on ICBN Art. 37.3 (presently
ICN Art. 40.1), the name meets the requirements for valid
publication under ICN Art. 40.3 and 40.6 (Turland *et al.*,
2025).

Genus *Delamarea* Hariot, 1889 ニセカヤモ属

Delamarea attenuata (Kjellman) Rosenvinge ニセカヤ
モ

Genus *Dictyosiphon* Greville, 1830 nom. cons. ウイキ
ヨウモ属

[= *Gobia* Reinke, 1889]

Dictyosiphon asiaticus H.Kawai & Hanyuda ウイキ
ウモ

[*Dictyosiphon foeniculaceus* auct. non (Hudson) Greville:
Yamada (1928) ウイキヨウモ]

Note: Historically, this species was identified as
Dictyosiphon foeniculaceus in Japan (Yoshida *et al.*, 2015);
however, Kawai *et al.* (2021a) demonstrated that the
Japanese specimens represent a distinct species from *D.*
foeniculaceus and described it as *D. asiaticus* based on the
type collected from Shizunai, Hokkaido Prefecture, Japan.

Dictyosiphon sparsus H.Kawai & Hanyuda フトバウイ
キヨウモ

[*Dictyosiphon chordaria* auct. non Areschoug: Yamada &
Tanaka (1944) フトバウイキヨウモ]

Note: Historically, this species was identified as
Dictyosiphon chordaria in Japan (Yoshida *et al.*, 2015);
however, Kawai *et al.* (2021a) demonstrated that the
Japanese specimens represent a distinct species from *D.*
chordaria and described it as *D. sparsus* based on the type
collected from Abashiri, Hokkaido Prefecture, Japan.

Genus *Elachista* Duby, 1830 nom. et orth. cons. ナミマクラ属

Elachista coccophorae Takamatsu スギモクノナミマクラ

Elachista fucicola (Velley) Areschoug

Elachista mollis Takamatsu

Elachista nigra Takamatsu アラメノナミマクラ

[= *Gonodia orbicularis* T.Ohta マルガタゴノケノリ]

[= *Elachista orbicularis* (T.Ohta) S.Skinner]

Elachista nipponica Umezaki

Elachista okamurae T.Yoshida ナミマクラ

[= *Elachista globosa* Takamatsu nom. illeg.]*Replaced synonym

[*Elachista fucicola* auct. non (Velley) Areschoug: Okamura (1918) ナミマクラ]

Elachista tenuis Yamada ホソナミマクラ

[= *Elachista sargassicola* Noda モツキナミマクラ]

[= *Elachista confusicola* Noda イトナミマクラ]

Elachista tenuis f. pacifica Takamatsu

Elachista vellosa Takamatsu

Genus *Eudesme* J.Agardh, 1882 ニセフトモズク属

[= *Aegira* Fries, 1825]

[= *Tinocladia* Kylin, 1940 フトモズク属]

Note: Kawai *et al.* (2023b) synonymized *Tinocladia* with *Eudesme*.

Eudesme borealis H.Kawai, Hanyuda & A.F.Peters ニセフトモズク

[*Aegira virescens* auct. non (Carmichael ex Berkeley)

Setchell & N.L.Gardner: Yamada & Tanaka (1944) ニセフトモズク]

[*Eudesme virescens* auct. non (Carmichael ex Berkeley) J.Agardh: Inagaki (1958)]

Note: Historically, this species was identified as *Eudesme virescens* in Japan (Yoshida *et al.*, 2015); however, Kawai *et al.* (2019b) demonstrated that the Japanese specimens represent a distinct species from *E. virescens* and described it as *E. borealis* based on the type collected from Abashiri, Hokkaido Prefecture, Japan.

Eudesme crassa (Suringar) Okamura フトモズク

[= *Mesogloia crassa* Suringar]

[= *Castagnea crassa* (Suringar) Kuckuck]

[= *Tinocladia crassa* (Suringar) Kylin]

Eudesme pseudocrassa H.Kawai, K.Takeuchi &

Hanyuda マギレフトモズク

Note: Kawai *et al.* (2023b) described this species based on the type collected from Mimaizaki, Ehime Prefecture, Japan.

Eudesme sanrikuensis (H.Kawai, K.Takeuchi &

Hanyuda) H.Kawai サンリクモズク

[= *Tinocladia sanrikuensis* H.Kawai, K.Takeuchi & Hanyuda]

Note: Hanyuda *et al.* (2019b) described this species based on the type collected from Kesenuma, Miyagi Prefecture, Japan.

Eudesme shandongensis L.Ding & B.Ren Lu

Note: Kawai *et al.* (2019b) recorded this species as a new record for Japan.

Genus *Halothrix* Reinke, 1888 ソメワケグサ属

Halothrix ambigua Yamada ソメワケグサ

[= *Halothrix tortuosa* Takamatsu]

[*Halothrix lumbricalis* auct. non (Kützting) Reinke: Okamura (1936) ヒナノソメワケグサ]

Halothrix ambigua f. rigida Takamatsu

Genus *Hecatonema* Sauvageau, 1898 ヘカトネマ属

Hecatonema maculans (Collins) Sauvageau ソロイヘカトネマ

Hecatonema streblonematoides (Setchell &

N.L.Gardner) Loiseaux モクノハリモ

[= *Compsonema nummuloides* Setchell & N.L.Gardner モクノハリモ]

[= *Compsonema secundum f. terminale* Setchell & N.L.Gardner]

Note: Norris (2010) synonymized *Compsonema nummuloides* and *C. secundum f. terminale* with *Hecatonema streblonematoides*.

Hecatonema terminale (Kützting) Kylin ヘカトネマ

Genus *Kurogiella* H.Kawai, 1993 イソグルミ属

Kurogiella saxatilis H.Kawai イソグルミ

Genus *Laminariocolax* Kylin, 1947 ワカメヤドリミドロ属 (新称)

Laminariocolax aecidioides (Rosenvinge) A.F.Peters ワカメヤドリミドロ

[= *Streblonema aecidioides* (Rosenvinge) Foslie ex Jaasund]

[= *Gononema aecidioides* (Rosenvinge) P.M.Pedersen]

Laminariocolax draparnaldioides Noda ツルギミドロモ

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Genus *Laminarionema* H.Kawai & Tokuyama, 1995 コンブノイト属

Laminarionema elsbetiae H.Kawai & Tokuyama コンブノイト

Genus *Leathesia* Gray, 1821 ネバリモ属

Leathesia crassipilosa Takamatsu エダウチネバリモ

Leathesia difformioides Takamatsu

Leathesia marina (Lyngbye) Decaisne ネバリモ

[= *Leathesia tuberiformis* Gray]

[= *Leathesia difformis* (Fries) Areschoug ネバリモ]

Note: Historically, this species was identified as *Leathesia difformis* in Japan (Yoshida *et al.*, 2015); however, Pedroche *et al.* (2008) synonymized *L. difformis* with *L. marina*.

Leathesia marina* f. *globosa (Takamatsu) Mas.Suzuki & Kitayama

[= *Leathesia globosa* Takamatsu]

[= *Leathesia difformis* f. *globosa* (Takamatsu) Inagaki]

Notes: *Leathesia globosa* was reclassified as *L. difformis* f. *globosa* by Inagaki (1958). Given that *L. difformis* was synonymized with *L. marina* by Pedroche *et al.* (2008), the transfer of *L. difformis* f. *globosa* to *L. marina* was proposed (p. 144).

Leathesia monilicellulata Takamatsu ナンキンネバリモ

Leathesia primaria Takamatsu イトネバリモ

Leathesia sadoensis Inagaki オケサネバリモ

Leathesia saxicola Takamatsu イワネバリモ

[= *Leathesia granulosa* Takamatsu]

Leathesia yezoensis Inagaki コツブネバリモ

[*Leathesia umbellata* auct. non (C.Agardh) Endlicher:

Yendo (1916) コツブネバリモ]

Genus *Leptonematella* P.C.Silva, 1959 ナミマクラモドキ属

Leptonematella fasciculata (Reinke) P.C.Silva ナミマクラモドキ

Genus *Mesogloia* C.Agardh, 1817 クロモズク属

Mesogloia ikomae (S.Narita) H.Kawai & Hanyuda クロモズク

[= *Castagnea ikomae* S.Narita]

[= *Sauvageaugloia ikomae* (S.Narita) Inagaki]

Note: Kawai *et al.* (2019a) transferred *Sauvageaugloia ikomae* to *Mesogloia*.

Mesogloia japonica H.Kawai & Hanyuda ニセクロモズク

Note: Kawai *et al.* (2019a) described this species based on the type collected from Imabari, Ehime Prefecture, Japan.

Genus *Microspongium* Reinke, 1888 マルガタミリオネマ属

Microspongium globosum Reinke マルガタミリオネマ

[= *Myrionema globosum* (Reinke) Foslie]

Genus *Myriactula* Kuntze, 1898 ゴノケノリ属 (新称)

[= *Myriactis* Kützting, 1843 nom. illeg.] *Replaced synonym

[= *Gonodia* Nieuwland, 1917 nom. illeg.] *Superfluous name

Myriactula sargassi (Yendo) Feldmann ゴノケノリ

[= *Myriactis sargassi* Yendo]

[= *Gonodia sargassi* (Yendo) Setchell & N.L.Gardner]

Myriactula saromaensis Yamada & K.Iwamoto nom. inval. モクノツユ

Note: This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Iwamoto, 1960b).

Genus *Myriogloea* Kuckuck ex Oltmanns, 1922 フサモズク属 (旧称: キツネノオ属)

Myriogloea simplex (Segawa & T.Ohta) Inagaki フサモズク (旧称: キツネノオ)

[≡ *Tinocladia simplex* Segawa & T.Ohta キツネノオ]

Genus *Myrionema* Greville, 1827 ミリオネマ属

Myrionema acrochaetiae Noda タンジュンミリオネマ

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Myrionema corunnae Sauvageau ミリオネマ

Myrionema dichotomum Noda & S.Honda フタマタミリオネマ

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Myrionema grateloupiae Noda マツマエミリオネマ

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Myrionema obscurum Setchell & N.L.Gardner

Myrionema orbiculare J.Agardh

[≡ *Ascocyclus orbicularis* (J.Agardh) Kjellman]

Myrionema padinae Noda

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Myrionema tenue Noda & S.Honda

Note: Although Yoshida (1998) excluded this species from the Japanese algal flora based on ICBN Art. 37.3 (presently ICN Art. 40.1), the name meets the requirements for valid publication under ICN Art. 40.3 and 40.6 (Turland *et al.*, 2025).

Genus *Nemacystus* Derbès & Solier, 1850 モズク属

Nemacystus decipiens (Suringar) Kuckuck モズク

[≡ *Mesogloia decipiens* Suringar]

[≡ *Cladosiphon decipiens* (Suringar) Okamura]

[*Cladosiphon erythraeus* auct. non J.Agardh: Martens (1868)]

Genus *Papenfussiella* Kylin, 1940 クロモ属

Papenfussiella densa H.Kawai & Hanyuda フサクロモ

[*Papenfussiella kuromo* f. *densa* Inagaki nom. inval. フサクロモ]

[*Papenfussiella kuromo* f. *gracilis* Inagaki nom. inval. ホソクロモ]

Note: Historically, this species was treated as a forma of *Papenfussiella kuromo* in Japan (Yoshida *et al.*, 2015). However, Kawai *et al.* (2016b) elevated this taxon to species rank as *P. densa*, synonymizing *P. kuromo* f. *gracilis* with it.

Papenfussiella iemasae H.Kawai キタクロモ

Note: Kawai *et al.* (2016b) described this species based on the type collected from Aikappu, Hokkaido Prefecture, Japan.

Papenfussiella kuromo (Yendo) Inagaki クロモ

[≡ *Myriocladia kuromo* Yendo]

Papenfussiella shikokuensis H.Kawai, K.Miyoshi & Hanyuda ニセクロモ

Note: Kawai *et al.* (2016b) described this species based on the type collected from Mimaizaki, Ehime Prefecture, Japan.

Genus *Phaeophysema* Atsu.Tanaka, Uwai & H.Kawai *in* Tanaka *et al.* (2010) ヒメネバリモ属

Phaeophysema pulvinata (Takamatsu) Atsu.Tanaka, Uwai & H.Kawai ヒナネバリモ

[≡ *Leathesia pulvinata* Takamatsu]

Phaeophysema sphaerocephala (Yamada) Atsu.Tanaka,

Uwai & H.Kawai ヒメネバリモ

[= *Leathesia sphaerocephala* Yamada]

Genus *Proselachista* Y.P.Lee & Garbary, 1999 ヒルナミマクラ属 (新称)

Proselachista taeniiformis (Yamada) Y.P.Lee & Garbary
ヒルナミマクラ

[= *Elachista taeniiformis* Yamada]

[= *Elachista crassa* Takamatsu]

[= *Gonodia clavata* Takamatsu]

[= *Myriactula clavata* (Takamatsu) Feldmann]

[= *Elachista sadoensis* Noda ギバサナミマクラ]

[*Elachista flaccida* auct. non (Dillwyn) Fries: Takamatsu (1938)]

Note: Historically, this species was treated as a member of *Elachista* in Japan (Yoshida *et al.*, 2015); however, Lee & Garbary (2000) transferred *E. taeniiformis* to *Proselachista*. Subsequently, Kim (2010) synonymized *Myriactula clavata* with this species.

Genus *Protectocarpus* Kornmann *in* Kuckuck (1955) ムカシオミドロ属

Protectocarpus speciosus (Børgesen) Kornmann ムカシオミドロ

[*Composonema ramulosum* auct. non Setchell &

N.L.Gardner: Noda (1969) クラガエハリモ]

Genus *Punctaria* Greville, 1830 ハバモドキ属

[= *Homoeostroma* J.Agardh, 1896 ハバダマシ属]

Punctaria flaccida Nagai チシマハバモドキ

Punctaria kinoshitae Yamada & K.Iwamoto nom. inval.
オオバハバモドキ

[*Punctaria tenuis* Yamada & K.Iwamoto nom. inval. ウスパハバモドキ]

Note: This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Iwamoto 1960b).

Punctaria latifolia Greville ハバモドキ

[*Homoeostroma latifolium* auct. non J.Agardh: Okamura (1916) ハバモドキ]

Punctaria occidentalis Setchell & N.L.Gardner ガサガサハバモドキ

[*Punctaria chartacea* auct. non Setchell & N.L.Gardner:

Umezaki (1961) ガサガサハバモドキ]

[*Punctaria conglomerata* Yamada & K.Iwamoto nom. inval. ヒダハバモドキ]

Punctaria pilosa Umezaki ケブカハバモドキ

Punctaria plantaginea (Roth) Greville ハバダマシ

[= *Homoeostroma plantagineum* J.Agardh ホソバハバダマシ]

[= *Punctaria rubescens* (Lyngbye) J.Agardh]

Punctaria projecta Yamada ユルジハバモドキ

Genus *Saundersella* Kylin, 1940 モツキチャソウメン属

[= *Heterosaundersella* Tokida, 1942 カラフトモズク属]

Saundersella crassa H.Kawai, Yuki Watanabe &

Hanyuda ゴビア

[*Gobia simplex* auct. non (D.A.Saunders) Setchell & N.L.Gardner: Okamura (1929) ゴビア]

[*Saundersella simplex* auct. non (D.A.Saunders) Kylin: Inagaki (1958)]

Note: Historically, this species was identified as *Saundersella simplex* in Japan (Yoshida *et al.*, 2015); however, Kawai *et al.* (2019b) demonstrated that the Japanese specimens represent a distinct species from *S. simplex* and described it as *S. crassa* based on the type collected from Nemuro, Hokkaido Prefecture, Japan.

Saundersella hattoriana (Tokida) H.Kawai & Hanyuda
カラフトモズク

[= *Heterosaundersella hattoriana* Tokida]

Note: Kawai *et al.* (2021b) transferred *Heterosaundersella hattoriana* to *Saundersella*.

Saundersella simplex (D.A.Saunders) Kylin モツキチャソウメン

Genus *Setoutiphycus* H.Kawai & Hanyuda, 2021 セトウチカヤモ属

Setoutiphycus delamareoides H.Kawai & Hanyuda セトウチカヤモ

Note: Kawai & Hanyuda (2021) described this species based on the type collected from Suo-Oshima, Yamaguchi Prefecture, Japan.

Genus *Sphaerotrachia* Kylin, 1940 イシモズク属

Sphaerotrachia divaricata (C.Agardh) Kylin クサモズク

[= *Chordaria divaricata* C.Agardh]

[= *Castagnea divaricata* (C.Agardh) J.Agardh イトコグサ]

[= *Sphaerotrachia japonica* Kylin]

[= *Sphaerotrachia chordarioides* Yamada ニセナガマツモ]

[= *Sphaerotrachia divaricata* f. *chordarioides* (Yamada) Inagaki]

[= *Sphaerotrachia chordarioides* var. *gracilis* Yamada & Tak.Tanaka ホソパノニセナガマツモ]

[= *Sphaerotrachia divaricata* f. *gracilis* (Yamada & Tak.Tanaka) Inagaki]

[= *Sphaerotrachia sadoensis* Noda オケサモズク]

[*Chordaria cladosiphon* auct. non Kützinger: Okamura (1915) クサモズク]

Note: Fletcher (2024) synonymized *Sphaerotrachia chordarioides* and *S. chordarioides* var. *gracilis* with *S. divaricata*.

Sphaerotrachia divaricata* f. *epiphytica Inagaki ヤセモズク

Sphaerotrachia firma (E.Gepp) Zinova イシモズク

[= *Chordaria firma* E.Gepp]

Genus *Stictyosiphon* Kützinger, 1843 サメズグサ属

[= *Phloeospora* Areschoug, 1873 サメズグサ属]

[= *Kjellmania* Reinke, 1888 サメズグサ属]

Stictyosiphon soriferus (Reinke) Rosenvinge サメズグサ

Genus *Stilophora* J.Agardh, 1841 nom. et typ. cons. ヒモマクラ属

Stilophora tenella (Esper) P.C.Silva ヒモマクラ

[= *Stilophora rhizodes* J.Agardh nom. illeg. ヒモマクラ]

Genus *Streblonema* Derbès & Solier in Castagne (1851) ヤドリミドロ属

Streblonema evagatum Setchell & N.L.Gardner コブヤドリミドロ

Streblonema fasciculatum Thuret

Genus *Striaria* Greville, 1828 ヨコジマノリ属

Striaria attenuata (Greville) Greville ヨコジマノリ

Genus *Trachynema* P.M.Pedersen, 1985 イソヒゲモ属

Trachynema groenlandicum (S.Lund) P.M.Pedersen イソヒゲモ

[= *Litosiphon groenlandicus* var. *japonicus* H.Kawai & Kurogi イソヒゲモ]

[*Trachynema groenlandicum* var. *japonicum* (H.Kawai & Kurogi) P.M.Pedersen nom. inval.]

Note: Although Pedersen (1985) noted ‘The erection of var. *japonicum* Kawai & Kurogi (1983) automatically leads to the erection of var. *groenlandicum*, which includes the type’, the combination of var. *japonicum* to *Trachynema groenlandicum* has never been validly published.

Genus *Vimineoleathesia* Atsu.Tanaka, Uwai & H.Kawai in Tanaka *et al.* (2010) コゴメネバリモ属

Vimineoleathesia japonica (Inagaki) Atsu.Tanaka, Uwai & H.Kawai コゴメネバリモ

[= *Leathesia japonica* Inagaki]

Family Ectocarpaceae C.Agardh, 1828 シオミドロ科

Genus *Ectocarpus* Lyngbye, 1819 nom. cons. シオミドロ属

Ectocarpus acutus Setchell & N.L.Gardner ケナシシオミドロ

[*Ectocarpus confervoides* auct. non Le Jolis: Yamada & Tanaka (1944) ケナシシオミドロ]

[*Ectocarpus arctus* auct. non Kützinger: Yoshida *et al.* (1985a) ケナシシオミドロ]

Note: Historically, this species was identified as *Ectocarpus arctus* in Japan (Yoshida *et al.*, 2015); however, Kim (2010) demonstrated that the Japanese and Korean specimens represent a distinct species from *E. arctus* and reinstated *E. acutus* as the correct name for this taxon.

Ectocarpus fusiformis Nagai ツムガタシオミドロ

Ectocarpus laurenciae Yamada チャボシオミドロ

Ectocarpus shiiaensis Noda ホソエダシオミドロ

Ectocarpus siliculosus (Dillwyn) Lyngbye シオミドロ
[*Ectocarpus confervoides* auct. non Le Jolis: Noda (1969)
シオミドロ]

Ectocarpus siliculosus f. varians Kuckuck

Ectocarpus yezoensis Yamada & Tak.Tanaka エゾシオミドロ

Genus *Spongonema* Kützing, 1849 カギシオミドロ属
Spongonema tomentosum (Hudson) Kützing カギシオミドロ

[= *Ectocarpus tomentosus* (Hudson) Lyngbye]

Family Petrospongiaceae Racault, R.L.Fletcher, de Reviere, G.Y.Cho, S.M.Boo, Parente & F.Rousseau, 2009
シワノカワ科

Genus *Petrospongium* Nägeli ex Kützing, 1858 シワノカワ属

Petrospongium rugosum (Okamura) Setchell & N.L.Gardner シワノカワ

[= *Cylindrocarpus rugosus* Okamura]

[*Cylindrocarpus berkeleyi* auct. non (Greville) P.Crouan & H.Crouan: De Toni (1895) カイメンダマシ]

Family Scytosiphonaceae Ardissonne & J.Strafforello, 1877 カヤモノリ科

[= Chnoosporaceae Setchell & N.L.Gardner, 1925 ムラチドリ科]

Note: The classification of tribes and genera within the Scytosiphonaceae is based on Santiañez & Wynne (2024).

Tribe Hydroclathreae Santiañez, 2023 カゴメノリ連 (新称)

Genus *Chnoospora* J.Agardh, 1847 ボウガタムラチドリ属 (改称; 旧称: ムラチドリ属)

Chnoospora minima (K.Hering) Papenfuss ボウガタムラチドリ

[= *Chnoospora pacifica* J.Agardh ボウガタムラチドリ]

Genus *Colpomenia* (Endlicher) Derbès & Solier in Castagne (1851) フクロノリ属

Colpomenia borea M.Dy, M.Hoshino, Tsu.Abe, Yotsukura, K.M.Lee, S.M.Boo, Kloczkova & Kogame
キタフクロノリ (小亀, 新称)

Note: Dy *et al.* (2023) described this species based on the type collected in Akkeshi, Hokkaido Prefecture, Japan.

Colpomenia claytoniae S.M.Boo, K.M.Lee, G.Y.Cho & W.A.Nelson クレイトンフクロノリ (小亀, 新称)

Colpomenia peregrina Sauvageau ウスカワフクロノリ
[= *Colpomenia peregrina* (Sauvageau) Hamel nom. illeg.
ウスカワフクロノリ]

Colpomenia sinuosa (Mertens ex Roth) Derbès & Solier
フクロノリ

Genus *Hydroclathrus* Bory, 1825 カゴメノリ属
[= *Talarodictyon* Endlicher, 1843]

Hydroclathrus clathratus (C.Agardh) M.Howe カゴメノリ

[= *Hydroclathrus cancellatus* Bory nom. illeg.]

*Superfluous name

Hydroclathrus tenuis C.K.Tseng & B.Ren Lu ホソカゴメノリ

Hydroclathrus tilesii (Endlicher) Santiañez & M.J.Wynne チリウスカゴメノリ (小亀, 新称)

[= *Talarodictyon tilesii* Endlicher]

[= *Hydroclathrus stephanosorus* Kraft]

Note: Santiañez *et al.* (2017) reported *H. stephanosoru* as a new record for Japan. Subsequently, Santiañez & Wynne (2018) synonymized *H. stephanosorus* with *H. tilesii*.

Genus *Manzaea* Santiañez & Kogame, 2022 マンザカゴメノリ属 (新称)

Manzaea minuta (Santiañez & Kogame) Santiañez & Kogame マンザカゴメノリ (小亀, 新称)

[= *Hydroclathrus minutus* Santiañez & Kogame]

Note: Santiañez *et al.* (2018) described this species based on the type collected from Senaga, Okinawa Prefecture, Japan. Subsequently, Santiañez & Kogame (2022) transferred *Hydroclathrus minutus* to *Manzaea*.

Genus *Pseudochnoospora* Santiañez, G.Y.Cho & Kogame, 2018 ムラチドリ属

Pseudochnoospora implexa (J.Agardh) Santiañez,

G.Y.Cho & Kogame ムラチドリ

[= *Chnoospora implexa* J.Agardh][= *Dictyota obtusangula* Kützting][= *Chnoospora obtusangula* (Kützting) Sonder ムラチドリ][*Chnoospora atlantica* auct. non J.Agardh: Suringar (1867)]Note: Santiañez *et al.* (2018) transferred *Chnoospora implexa* to *Pseudochnoospora*.**Genus *Rosenvingea*** Borgesen, 1914 モサクダフクロ属***Rosenvingea endiviifolia*** (Martius) M.J.Wynne モサクダフクロ[= *Asperococcus intricatus* J.Agardh][= *Rosenvingea intricata* (J.Agardh) Borgesen モサクダフクロ]Note: Historically, this species was identified as *Rosenvingea intricata* in Japan (Yoshida *et al.*, 2015); however, Wynne & Nunes (2021) synonymized *R. intricata* with *R. endiviifolia*.***Rosenvingea orientalis*** (J.Agardh) Borgesen**Genus *Tronoella*** Santiañez & Kogame *in* Santiañez *et al.* (2017) トロノカゴメノリ属 (新称)***Tronoella ryukyuana*** Santiañez & Kogame トロノカゴメノリ (小亀, 新称)Note: Santiañez *et al.* (2017) described this species based on the type collected from Odo, Okinawa Prefecture, Japan.**Tribe Scytosiphoneae** Thuret *in* Le Jolis (1863) カヤモノリ連**Genus *Dactylosiphon*** Santiañez, K.M.Lee, S.M.Boo & Kogame *in* Santiañez *et al.* (2018) ワタモ属[*Macrosiphon* Okamura, 1902 nom. inval. ワタモ属]***Dactylosiphon bullosus*** (D.A.Saunders) Santiañez, K.M.Lee, S.M.Boo & Kogame ワタモ[= *Colpomenia bullosa* (D.A.Saunders) Yamada][= *Colpomenia sinuosa* f. *deformans* Setchell & N.L.Gardner ワタモ][*Macrosiphon asperococcoides* Okamura nom. inval. ワタモ]Note: Santiañez *et al.* (2018) transferred *Colpomenia bullosa* to *Dactylosiphon*.***Dactylosiphon wynnei*** (K.M.Lee, Riosmena-Rodriguez, Kogame & S.M.Boo) Santiañez, K.M.Lee, S.M.Boo & Kogame ホソクビワタモ[= *Colpomenia wynnei* K.M.Lee, Riosmena-Rodriguez, Kogame & S.M.Boo][*Colpomenia phaeodactyla* auct. non M.J.Wynne & J.N.Norris: Chihara (1983) ホソクビワタモ]Note: Santiañez *et al.* (2018) transferred *Colpomenia wynnei* to *Dactylosiphon*.**Genus *Hapterophycus*** Setchell & N.L.Gardner, 1912

カヤモドキ属 (改称; 旧称: イソカワラモドキ属)

Hapterophycus canaliculatus Setchell & N.L.Gardner カヤモドキ[= *Scytosiphon canaliculatus* (Setchell & N.L.Gardner) Kogame][= *Hapterophycus echigoensis* Noda エチゴイソカワラモドキ]Note: Historically, this species was treated as a member of *Scytosiphon* in Japan (Yoshida *et al.*, 2015); however, Santiañez & Kogame (2018) placed it in *Hapterophycus*, and synonymized *H. echigoensis* with this species.**Genus *Melanosiphon*** M.J.Wynne, 1969 キタイワヒゲ属***Melanosiphon intestinalis*** (D.A.Saunders) M.J.Wynne キタイワヒゲ[= *Myelophycus intestinalis* D.A.Saunders]**Genus *Myelophycus*** Kjellman *in* Engler & Prantl (1893) イワヒゲ属***Myelophycus caespitosus*** Kjellman ニシイワヒゲNote: Historically, this species was synonymized with *Myelophycus simplex* in Japan (Yoshida *et al.*, 2015); however, Hanyuda *et al.* (2019a) reinstated it as a distinct species.***Myelophycus cavus*** Ji.Tanaka & Chihara ウツロイワヒゲ

Myelophycus simplex (Harvey) Papenfuss イワヒゲ
[≡ *Chordaria simplex* Harvey]

Genus *Petalonia* Derbès & Solier, 1850 nom. cons. セイヨウハバノリ属

[= *Ilea* Fries, 1835 nom. illeg. セイヨウハバノリ属]

[= *Phyllitis* Kützinger, 1843 nom. illeg. セイヨウハバノリ属]

[= *Endarachne* J.Agardh, 1896 ハバノリ属]

Petalonia binghamiae (J.Agardh) K.L.Vinogradova ハバノリ

[≡ *Endarachne binghamiae* J.Agardh]

[*Phyllitis fascia* auct. non (O.F.Müller) Kützinger: Okamura (1901) ハバノリ]

Petalonia fascia (O.F.Müller) Kuntze セイヨウハバノリ

[≡ *Ilea fascia* (O.F.Müller) Fries]

[≡ *Phyllitis fascia* (O.F.Müller) Kützinger]

[= *Phyllitis debilis* Kützinger]

[= *Phyllitis fascia* var. *debilis* (C.Agardh) Hauck]

Petalonia tenella (Kogame) Santiañez & Kogame ヒラカヤモ

[≡ *Scytosiphon tenellus* Kogame]

[*Petalonia zosterifolia* auct. non (Reinke) Kuntze: Nakamura & Tatewaki (1975)]

Note: Santiañez & Kogame (2018) transferred *Scytosiphon tenellus* to *Petalonia*.

Petalonia tenuis Ka.Matsumoto & S.Shimada キヌハバノリ

Genus *Planosiphon* McDevit & G.W.Saunders, 2017 ウスカヤモ属 (新称)

Planosiphon gracilis (Kogame) McDevit &

G.W.Saunders ウスカヤモ

[≡ *Scytosiphon gracilis* Kogame]

Note: McDevit & Saunders (2017) transferred *Scytosiphon gracilis* to *Planosiphon*.

Planosiphon nakamurae M.Hoshino, M.E.Croce, Hanyuda & Kogame ナミウスカヤモ

Note: Hoshino *et al.* (2020a) described this species based on the type collected from Shimoda, Shizuoka Prefecture, Japan.

Planosiphon zosterifolius (Reinke) McDevit & G.W.Saunders ホソバノセイヨウハバノリ

[≡ *Petalonia zosterifolia* (Reinke) Kuntze]

Note: McDevit & Saunders (2017) transferred *Petalonia zosterifolia* to *Planosiphon*.

Genus *Scytosiphon* C.Agardh, 1820 nom. et typ. cons. カヤモノリ属

Scytosiphon arcanus M.Hoshino & Kogame カクレカヤモノリ

Note: Hoshino *et al.* (2020c) described this species based on the type collected from Momonai, Hokkaido Prefecture, Japan.

Scytosiphon lomentaria (Lyngbye) Link nom. cons. カヤモノリ

[≡ *Chorda lomentaria* Lyngbye]

Scytosiphon promiscuus McDevit & G.W.Saunders キタカヤモノリ

Note: Hoshino *et al.* (2020c) reported this species as a new record for Japan.

Scytosiphon shibazakiorum M.Hoshino & Kogame シバザキカヤモノリ

Note: Hoshino *et al.* (2020c) described this species based on the type collected from Oshoro, Hokkaido Prefecture, Japan.

Scytosiphon subtropicus M.Hoshino, Atsu.Tanaka & Kogame リュウキュウカヤモノリ

Note: Hoshino *et al.* (2020c) described this species based on the type collected from Yagaji, Okinawa Prefecture, Japan.

Scytosiphon tosaensis M.Hoshino & Kogame ナンカイカヤモノリ

Note: Hoshino *et al.* (2020c) described this species based on the type collected from Usa, Kochi Prefecture, Japan.

Order Fucales Bory, 1827 ヒバマタ目

Family Fucaceae Adanson, 1763 ヒバマタ科

Genus *Fucus* Linnaeus, 1753 ヒバマタ属

Fucus distichus* subsp. *evanescens (C.Agardh)

H.T.Powell ヒバマタ

[= *Fucus evanescens* C.Agardh]

[*Fucus inflatus* var. *edentatus* auct. non (Bachelot Pylaie)

Rosenvinge: Yendo (1907) イワマタ]

Genus *Silvetia* E.A.Serrão, T.O.Cho, S.M.Boo &

Brawley in Serrão *et al.* (1999) エゾイシゲ属

Silvetia babingtonii (Harvey) E.A.Serrão, T.O.Cho,

S.M.Boo & Brawley エゾイシゲ

[= *Fucus babingtonii* Harvey]

[= *Pelvetia babingtonii* (Harvey) De Toni]

[= *Pelvetia wrightii* f. *babingtonii* (Harvey) Yendo]

[= *Fucus wrightii* Harvey nom. illeg.]

[= *Pelvetia wrightii* Okamura エゾイシゲ]

[= *Pelvetia wrightii* f. *japonica* Yendo]

[*Pelvetia japonica* Yendo nom. nud.]

Family Sargassaceae Kützinger, 1843 ホンダワラ科

Genus *Coccophora* Greville, 1830 スギモク属

Coccophora langsdorfii (Turner) Greville スギモク

[= *Fucus langsdorfii* Turner]

[= *Fucus tilesii* C.Agardh]

[= *Cystoseira tilesii* (C.Agardh) C.Agardh]

[= *Cystoseira phyllamphora* C.Agardh]

[= *Coccophora phyllamphora* (C.Agardh) J.Agardh]

[= *Coccophora imperata* Yendo ツバナモク]

Genus *Hormophysa* Kützinger, 1843 ヤバネモク属

Hormophysa cuneiformis (J.F.Gmelin) P.C Silva ヤバネモク

[= *Cystoseira triquetra* C.Agardh ミツメモク]

[= *Cystoseira prolifera* J.Agardh ヤバネモク]

[= *Cystoseira articulata* J.Agardh ヤバネモク (ヒシモク)]

Genus *Myagropsis* Kützinger, 1843 ジョロモク属

Myagropsis myagroides (Mertens ex Turner) Fensholt
ジョロモク

[= *Fucus myagroides* Mertens ex Turner]

[= *Sargassum myagroides* (Mertens ex Turner) C.Agardh]

[= *Myagropsis turneri* Kützinger nom. illeg.] *Superfluous
name

[= *Fucus sisymbroides* Turner]

[= *Sargassum sisymbroides* (Turner) C.Agardh]

[= *Spongocarpus sisymbroides* (Turner) Kützinger]

[= *Cystophyllum sisymbroides* (Turner) J.Agardh ジョ
ロモク (モクヒジキ)]

[= *Cystophyllum caespitosum* Yendo カイフモク]

[= *Cystophyllum turneri* Yendo ヒエモク]

[= *Myagropsis yendoi* Fensholt] *Replacement name

[= *Cystoseira turneri* (Yendo) Roberts]

[*Cystoseira sisymbroides* (Turner) Roberts nom. inval.]

Genus *Sargassum* C.Agardh, 1820 nom. cons. ホンダ
ワラ属

[= *Carpacanthus* Kützinger, 1843]

Note: The classification of subgenera and sections within
the genus *Sargassum* is based on Cho *et al.* (2012), Dixon
et al. (2014), and Álvarez-Canali *et al.* (2024).

Subgenus *Bactrophycus* J.Agardh, 1889 バクトロフィ
クス亜属

Section *Halochloa* (Kützinger) Endlicher, 1843 ハロクロ
ア節

[= *Halochloa* Kützinger, 1843]

[= *Repentia* T.Yoshida, 1983]

Sargassum araii T.Yoshida エチゴネジモク

Sargassum autumnale T.Yoshida アキヨレモク

Sargassum coreanum J.Agardh ヤナギモク

[= *Sargassum ringgoldianum* subsp. *coreanum* (J.Agardh)
T.Yoshida]

Note: Historically, this species was treated as a subspecies
of *Sargassum ringgoldianum* in Japan (Yoshida *et al.*,
2015); however, Oak & Lee (2006) reinstated its taxonomic
rank as species.

Sargassum giganteifolium Yamada オオバノコギリモク

Sargassum macrocarpum C.Agardh ノコギリモク

[= *Halochloa macrocarpa* (C.Agardh) Kützinger]

[= *Sargassum tortile* f. *macrocarpum* (C.Agardh) Yendo カ
メギモク]

[= *Fucus longifolius* var. *angustifolius* Turner]

[= *Sargassum tortile* var. *angustifolius* (Turner)]

C.Agardh]

[*Sargassum serratifolium* auct. non (C.Agardh) C.Agardh:
Okamura (1902) p.p. ノコギリモク]

Sargassum micracanthum (Kützinger) Endlicher トゲモク

[= *Halochloa micracantha* Kützinger]

[= *Sargassum micracanthum* var. *stipulatum* Yendo]

[= *Sargassum kiushianum* Yendo シラミツブシ]

Sargassum nigrifolium Yendo ナラサモ

Sargassum okamurai T.Yoshida & T.Konno ヒラネジ
モク

[*Sargassum sagamianum* auct. non Yendo: Yendo (1907) p.p.]

Sargassum ringgoldianum Harvey オオバモク

[= *Anthophycus japonicus* G.Martens]

[= *Sargassum japonicum* (G.Martens) Kuntze]

[= *Carpophyllum japonicum* (G.Martens) De Toni]

[= *Sargassum ringgoldianum* var. *costatum* Grunow]

Sargassum sagamianum Yendo ネジモク

Sargassum segii T.Yoshida ナガシマモク

[= *Sargassum racemosum* Yamada & Segi nom. illeg.]

*Replaced synonym

[= *Sargassum ringgoldianum* f. *ellipticum* Okamura マル
バノガラモ]

Sargassum serratifolium (C.Agardh) C.Agardh ウスバ
ノコギリモク

[= *Fucus serratifolius* C.Agardh]

[= *Halochloa serratifolia* (C.Agardh) Kützinger]

[= *Halochloa longifolia* Kützinger]

[= *Halochloa serratifolia* var. *longifolia* (Kützinger)

Kützinger]

Sargassum siliquastrum (Mertens ex Turner) C.Agardh

ヨレモク

[= *Fucus siliquastrus* Mertens ex Turner]

[= *Cystoseira siliquastra* (Mertens ex Turner) C.Agardh]

[= *Halochloa siliquastra* (Mertens ex Turner) Kützinger]

[= *Sargassum scoparium* (Mertens ex Turner) C.Agardh]

[= *Halochloa scoparia* (Mertens ex Turner) Kützinger]

[= *Fucus tortilis* C.Agardh]

[= *Sargassum tortile* (C.Agardh) C.Agardh ヨレモク]

[= *Halochloa tortilis* (C.Agardh) Kützinger]

[= *Fucus serratifolius* Thunberg nom. illeg.]

[= *Halochloa macracantha* Kützinger]

[= *Sargassum macracanthum* (Kützinger) Endlicher]

[= *Sargassum tortile* var. *macracanthum* (Kützinger)

Grunow]

[= *Halochloa pachycarpa* Kützinger]

[= *Sargassum pachycarpum* (Kützinger) Endlicher]

[= *Sargassum scoparium* var. *pachycarpum* (Kützinger)

Grunow]

[= *Halochloa polyacantha* Kützinger]

[= *Sargassum polyacanthum* (Kützinger) Endlicher]

[= *Sargassum tortile* var. *polyacanthum* (Kützinger) Grunow]

[= *Halochloa tenuis* Kützinger]

[= *Sargassum tenue* (Kützinger) Endlicher]

[= *Sargassum scoparium* var. *tenue* (Kützinger) Grunow]

[= *Sargassum corynecarpum* Harvey]

[= *Sargassum siliquastrum* var. *pyriferum* Harvey]

[= *Sargassum siliquastrum* var. *capitellatum* Grunow]

[= *Sargassum siliquastrum* var. *nipponense* Grunow]

[= *Sargassum tortile* f. *ulophyllum* Grunow]

Sargassum spathulophyllum Ji.Tanaka, H.Murakami &

S.Arai ヘラナラサモ

Sargassum tenuifolium Yamada ウスバモク

Sargassum trichophyllum (Kützinger) Kuntze イトヨレ
モク

[= *Carpacanthus trichophyllus* Kützinger]

[= *Sargassum scoparium* var. *trichophyllum* (Kützinger)

Grunow]

Sargassum wakayamaense T.Yoshida ナンキモク

Sargassum yamadae T.Yoshida & T.Konno アズマネジ
モク

[*Sargassum sagamianum* auct. non Yendo: Yendo (1907) p.p.]

Sargassum yamamotoi T.Yoshida ヨレモクモドキ

[*Sargassum serratifolium* auct. non (C.Agardh) C.Agardh:

Yendo (1907) p.p.]

Sargassum yezoense (Yamada) T.Yoshida & T.Konno

エゾノネジモク

[= *Sargassum sagamianum* var. *yezoense* Yamada]

Section *Hizikia* (Okamura) Yoshida in Stiger *et al.* (2003)

ヒジキ節

[= *Hizikia* Okamura, 1932 ヒジキ属]

Sargassum fusiforme (Harvey) Setchell ヒジキ

[= *Cystophyllum fusiforme* Harvey]

[= *Turbinaria fusiformis* (Harvey) Yendo]

[= *Hizikia fusiformis* (Harvey) Okamura]

Section *Spongocarpus* (Kützinger) T. Yoshida, 1983 スポ
ンゴカルプス節

[= *Spongocarpus* Kützinger, 1843]

Sargassum horneri (Turner) C. Agardh アカモク

[= *Fucus horneri* Turner]

[= *Spongocarpus horneri* (Turner) Kützinger]

[= *Fucus horneri* var. *densiramosus* C. Agardh]

[= *Sargassum horneri* var. *densum* C. Agardh]

[= *Sargassum horneri* f. *furcatodentatum* Kuntze クソタ
レモク]

[= *Sargassum horneri* var. *furcatodentatum* (Kuntze)
Grunow]

[= *Sargassum filicinum* Harvey シダモク]

[= *Sargassum spathulatum* J. Agardh]

[= *Sargassum horneri* var. *spathulatum* (J. Agardh)
Okamura]

[= *Sargassum polyodontum* J. Agardh]

[= *Sargassum horneri* f. *minusdentatum* Grunow]

Note: Uwai *et al.* (2009) treated *Sargassum filicinum* as a
synonym of *S. horneri*.

Section *Teretia* T. Yoshida, 1983 テレティア節

Sargassum ammorphilum T. Yoshida & T. Konno スナビ
キモク

Sargassum boreale T. Yoshida & T. Horiguchi ホッカイ
モク

Sargassum confusum C. Agardh フシスジモク

[= *Sargassum validum* J. Agardh]

[= *Sargassum confusum* f. *validum* (J. Agardh) Yendo]

[= *Sargassum expansum* J. Agardh]

[= *Sargassum turneri* Yendo nom. illeg. ナノリソ]

[*Sargassum acinaria* auct. non C. Agardh: Martens (1868)]

[*Sargassum obtusifolium* auct. non J. Agardh: Dickie
(1877)]

[*Sargassum fuliginosum* auct. non Kützinger: Okamura (1902)]

[*Sargassum fulvellum* auct. non (Turner) C. Agardh: Yendo
(1907) ナノリソ]

[*Sargassum pallidum* auct. non (Turner) C. Agardh: Setchell
(1933)]

Sargassum fulvellum (Turner) C. Agardh ホンダワラ

[= *Fucus fulvellus* Turner]

[= *Spongocarpus fulvellus* (Turner) Kützinger]

[= *Fucus biserratus* Thunberg]

[= *Sargassum enerve* C. Agardh ホンダワラ]

[= *Sargassum fulvellum* var. *wilkesii* Grunow]

Sargassum hemiphyllum (Turner) C. Agardh イソモク

[= *Fucus hemiphyllus* Turner]

[= *Spongocarpus hemiphyllus* (Turner) Kützinger]

[= *Sargassum hemiphyllum* var. *micromerum* J. Agardh]

[= *Sargassum micromerum* (J. Agardh) J. Agardh]

[= *Sargassum hemiphyllum* f. *edentatum* Grunow]

Sargassum microceratium (Mertens ex Turner)

C. Agardh フシイトモク

[= *Fucus microceratius* Mertens ex Turner]

[= *Myagropsis microceratia* (Mertens ex Turner) Kützinger]

Sargassum miyabei Yendo ミヤベモク

[= *Sargassum kjellmanianum* Yendo ハハキモク (ホウキ
モク)]

[= *Sargassum miyabei* var. *okiense* Kajimura]

Sargassum muticum (Yendo) Fensholt タマハハキモク

[= *Sargassum kjellmanianum* f. *muticum* Yendo]

[*Sargassum kjellmanianum* Yendo: Okamura (1924) p.p.
ハハキモク (ホウキモク) (p.p.)]

Sargassum nipponicum Yendo タマナシモク

Sargassum pallidum (Turner) C. Agardh ウスイロモク

Sargassum thunbergii (Mertens ex Roth) Kuntze ウミ
トラノオ

[= *Fucus thunbergii* Mertens ex Roth]

[= *Cystoseira thunbergii* (Mertens ex Roth) C. Agardh]

[= *Rhodomela thunbergii* (Mertens ex Roth) C. Agardh]

[= *Cystophyllum thunbergii* (Mertens ex Roth) J. Agardh]

[= *Myagropsis thunbergii* (Mertens ex Roth) Kützinger]

[= *Turbinaria thunbergii* (Mertens ex Roth) Yendo]

[= *Fucus thunbergii* var. *simplex* Roth]

[= *Fucus thunbergii* var. *ramosus* Roth]

[= *Fucus swartzii* C. Agardh]

- [= *Cystoseira swartzii* (C.Agardh) C.Agardh]
 [= *Rhodomela swartzii* (C.Agardh) C.Agardh]
 [= *Cystophyllum swartzii* (C.Agardh) J.Agardh オオトラノオ]
 [= *Myagropsis thunbergii* var. *swartzii* Kützinger]
 [= *Myagropsis swartzii* (C.Agardh) Kützinger]
 [= *Turbinaria swartzii* (C.Agardh) Yendo]
 [= *Sargassum swartzianum* Yendo] *Replacement name
 [= *Sargassum thunbergii* f. *swartzianum* (Yendo) Okamura]

Subgenus *Sargassum* ホンダワラ亜属

Section *Binderiana* (Grunow) Mattio, Payri, Verlaque & de Reviers, 2010 ビンデリアナ節

Sargassum aquifolium (Turner) C.Agardh アツバモク

- [= *Sargassum crassifolium* J.Agardh アツバモク]
 [*Sargassum berberifolium* auct. non J.Agardh: Yendo (1907) ベリベリモク]

Note: Historically, this species was identified as *Sargassum crassifolium* in Japan (Yoshida *et al.*, 2015); however, Mattio *et al.* (2009) synonymized it with *S. aquifolium*.

Sargassum patens C.Agardh ヤツマタモク

- [= *Halochloa patens* (C.Agardh) Kützinger]
 [= *Fucus pilulifer* var. *major* Turner]
 [= *Sargassum piluliferum* var. *major* (Turner) Kuntze]
 [= *Fucus patens* C.Agardh nom. illeg.]

Sargassum patens* var. *complanatum Grunow

Sargassum patens* var. *rodgersianum (Harvey) Grunow

- [= *Sargassum rodgersianum* Harvey]

Sargassum patens* var. *schizophyllum (Kützinger) Yendo

- [= *Halochloa schizophylla* Kützinger]

Sargassum patens* var. *simplicifolium Grunow

Section *Illicifolia* (J.Agardh) Mattio, Payri, Verlaque & de Reviers, 2010 イリシフォリア節

Sargassum illicifolium (Turner) C.Agardh ヒイラギモク

- [= *Sargassum cristaeifolium* C.Agardh トサカモク]
 [= *Sargassum duplicatum* Bory フタエモク]
 [= *Sargassum illicifolium* var. *duplicatum* J.Agardh]
 [= *Sargassum brevifolium* Kützinger nom. illeg. ヒメコモク]

- [= *Sargassum illicifolium* var. *conduplicatum* Grunow ex Reinbold フタエヒイラギモク]
 [= *Sargassum sandei* Reinbold ナンカイモク]
 [*Sargassum biserrula* auct. non J.Agardh: Heydrich (1894)]

Section *Polycysta* Mattio & Payri in Mattio *et al.* (2009) ポリキスタ節

Sargassum polycystum C.Agardh コバモク

- [*Sargassum microphyllum* auct. non C.Agardh: Yendo (1907) コバモク]
 [*Sargassum heterocystum* auct. non Montagne: Yendo (1907) ナンバンモク]

Section *Sargassum* ホンダワラ節

Sargassum piluliferum (Turner) C.Agardh マメタワラ

- [= *Fucus pilulifer* Turner]
 [= *Sargassum setaceum* Yendo イトモク]
 [*Sargassum fuliginosum* auct. non Kützinger: Martens (1868)]

Note: *Sargassum setaceum* has not been collected since the type description by Yendo (1905b) from Kochi Prefecture, Japan. Shimabukuro (2015) suggested that *S. setaceum* is morphologically indistinguishable from *S. piluliferum*. Consequently, we treat *S. setaceum* as a heterotypic synonym of *S. piluliferum*.

Sargassum piluliferum* var. *pinnatifolium (C.Agardh) Yendo

- [= *Fucus pinnatifolius* C.Agardh]
 [= *Sargassum pinnatifolium* (C.Agardh) C.Agardh]
 [= *Sargassum henslowianum* var. *pinnatifolium* (C.Agardh) J.Agardh]

Sargassum piluliferum* var. *serratifolium Yamada キレバノマメタワラ

Sargassum yendoi Okamura & Yamada エンドウモク

- [= *Sargassum henslowianum* var. *condensatum* Yamada エナガモク]

Section *Zygocarpica* (J.Agardh) Setchell, 1935 ジゴカルピカ節

Sargassum carpophyllum J.Agardh マジリモク

- [*Sargassum vulgare* var. *linearifolium* auct. non J.Agardh:

Yendo (1907)]

[*Sargassum angustifolium* auct. non C.Agardh: Yamada (1942) ホソバモク]

[*Sargassum incanum* auct. non Grunow: Ajisaka *et al.*

(1995) シマウラモク]

***Sargassum sectio incertae sedis* 節の所属不明**

***Sargassum alternato-pinnatum* Yamada キレバモク**

[= *Sargassum asymmetricum* Yamada]

***Sargassum assimile* Harvey ツクシモク**

[= *Sargassum assimile* var. *stipulatum* Yendo]

[*Carpacanthus latifolius* auct. non (Turner) Kützing: Martens (1868)]

[*Sargassum obtusifolium* auct. non J.Agardh: Martens (1868)]

[*Sargassum subrepandum* auct. non (Forsskål) C.Agardh: Martens (1868)]

[*Sargassum latifolium* auct. non (Turner) C.Agardh: Okamura (1916)]

Note: Shimabukuro (2014a) suggested that *Sargassum assimile* var. *stipulatum* is morphologically indistinguishable from *S. assimile* var. *assimile*.

Consequently, we treat *S. assimile* var. *stipulatum* as a heterotypic synonym of *S. assimile*.

***Sargassum bulbiferum* T.Yoshida タマエダモク**

***Sargassum crispifolium* Yamada コブクロモク**

[*Sargassum microcystum* auct. non J.Agardh: Yendo (1907) コブクロモク]

[*Sargassum grevillei* auct. non J.Agardh: Yendo (1917)]

***Sargassum denticarpum* Ajisaka トゲミモク**

***Sargassum glaucescens* J.Agardh コナフキモク**

***Sargassum hyugaense* Yamada ヒュウガモク**

[= *Sargassum salicifolioides* Yamada フクレミモク]

Note: Ajisaka *et al.* (1994) synonymized *Sargassum hyugaense* with *S. salicifolioides*. However, *S. hyugaense* was described on July 10, 1942 (Yamada, 1942a), whereas *S. salicifolioides* was described on October 10, 1942 (Yamada, 1942b). Therefore, *S. hyugaense* has priority over *S. salicifolioides* under ICN Principle III (Turland *et al.*, 2025), and we treat *S. salicifolioides* as a heterotypic synonym of *S. hyugaense*. Shimabukuro (2014b) noted a similarity between this species (as *S. salicifolioides*) and *S.*

alternato-pinnatum, and further observations are required to confirm its taxonomic identity in Japan.

***Sargassum kashiwajimanum* Yendo トサモク**

[*Sargassum pinnatifidum* auct. non Harvey: Okamura (1925)]

Note: Yoshida (1998) and Shimabukuro (2016a) noted a similarity between this species and *Sargassum patens*; further observations are required to confirm its taxonomic identity in Japan.

***Sargassum kushimotoense* Yendo シロコモク**

***Sargassum longifructum* C.K.Tseng & B.Ren Lu ナガミモク**

***Sargassum myriocystum* J.Agardh ヒメハモク**

Note: Mattio *et al.* (2009) synonymized *Sargassum myriocystum* with *S. polycystum*. However, Shimabukuro (2013) demonstrated that Japanese populations of *S. myriocystum* are genetically distinct, suggesting that they represent an independent taxon. Accordingly, we tentatively recognize this entity as a distinct species.

***Sargassum oligocystum* Montagne ヒラミモク**

***Sargassum pinnatifidum* Harvey カラクサモク**

***Sargassum polyporum* Montagne タマキレバモク**

***Sargassum ryukyuense* H.Shimabukuro & T.Yoshida チュラシマモク**

***Sargassum siliquosum* J.Agardh キシュウモク**

***Sargassum tosaense* Yendo タツクリ**

Note: Yoshida (1998) and Shimabukuro (2016a) noted a similarity between this species and *Sargassum patens*; further observations are required to confirm its taxonomic identity in Japan.

Genus *Stephanocystis* Trevisan, 1843 ウガノモク属

***Stephanocystis crassipes* (Mertens ex Turner) Draisma,**

Ballesteros, F.Rousseau & T.Thibaut ネプトモク

[≡ *Fucus crassipes* Mertens ex Turner]

[≡ *Cystoseira crassipes* (Mertens ex Turner) C.Agardh]

[≡ *Cystophyllum crassipes* (Mertens ex Turner) J.Agardh]

[≡ *Sirophysalis crassipes* (Mertens ex Turner) Kützing]

***Stephanocystis hakodatensis* (Yendo) Draisma,**

Ballesteros, F.Rousseau & T.Thibaut ウガノモク

[≡ *Cystophyllum hakodatense* Yendo]

[≡ *Cystoseira hakodatensis* (Yendo) Fensholt]

[*Cystophyllum crassipes* auct. non (Mertens ex Turner)

J.Agardh: Okamura (1902) アシプトヒジキ]

Genus *Turbinaria* J.V.Lamouroux, 1825 ラッパモク属

Turbinaria conoides (J.Agardh) Kützing カサモク

Turbinaria ornata (Turner) J.Agardh ラッパモク

Order Laminariales Migula, 1909 コンブ目

Note: The classification of families within the Laminariales is based on Jackson *et al.* (2016) and Starko *et al.* (2019).

Family Agaraceae Postels & Ruprecht, 1840 アナメ科

[= Costariaceae C.E.Lane, C.Mayes, Druehl &

G.W.Saunders, 2006 スジメ科]

Genus *Agarum* Dumortier, 1822 nom. cons. アナメ属

Agarum clathratum Dumortier アナメ

[= *Agarum cribrosum* Bory アナメ]

[= *Agarum gmelini* Mertens ex Postels & Ruprecht ヒラアナメ]

[*Agarum turneri* auct. non Postels & Ruprecht: Miyabe (1902) アナメ]

Agarum clathratum subsp. *yakishiriense* I.Yamada ex

G.H.Boo & P.C.Silva テウリアナメ

[*Agarum yakishiriense* Yamada nom. nud. テウリアナメ]

[*Agarum cribrosum* f. *yakishiriense* (Yamada) I.Yamada nom. inval.]

Genus *Costaria* Greville, 1830 スジメ属

Costaria costata (C.Agardh) D.A.Saunders スジメ

[= *Costaria turneri* Greville ザラメ]

Costaria costata f. *cuneata* Miyabe & Nagai

[= *Costaria turneri* var. *pertusa* Harvey]

Genus *Neoagarum* H.Kawai & Hanyuda in Kawai *et al.*

(2017) オオノアナメ属 (新称)

Neoagarum oharaense (Yamada) H.Kawai, Hanyuda &

Miyata オオノアナメ

[= *Agarum oharaense* Yamada]

Note: Kawai *et al.* (2017) transferred *Agarum oharaense* to *Neoagarum*.

Family Alariaceae Setchell & N.L.Gardner, 1925 アイヌワカメ科 (別称: チガイソ科)

Genus *Alaria* Greville, 1830 nom. cons. アイヌワカメ属

Alaria angusta Kjellman ホソバワカメ

Alaria crassifolia Kjellman チガイソ

Alaria marginata Postels & Ruprecht クシロワカメ

[= *Alaria taeniata* Kjellman クシロワカメ]

Alaria praelonga Kjellman アイヌワカメ

[= *Alaria yezoensis* Miyabe アイヌワカメ]

Genus *Undaria* Suringar, 1873 ワカメ属

[= *Ulopteryx* Kjellman, 1885 nom. illeg.] *Superfluous name

[= *Undariopsis* Miyabe & Okamura in Okamura (1902) アオワカメ属]

[= *Undariella* Y.P.Lee, 1998 nom. illeg.] *Superfluous name

[= *Hirome* Yendo, 1903]

Undaria pinnatifida (Harvey) Suringar ワカメ

[= *Alaria pinnatifida* Harvey]

[= *Ulopteryx pinnatifida* (Harvey) Kjellman]

[= *Alaria amplexicaulis* G.Martens]

[= *Undaria pinnatifida* var. *vulgaris* Suringar]

[= *Undaria pinnatifida* var. *elongata* Suringar]

[= *Laminaria peterseniana* Kjellman アオワカメ]

[= *Undariopsis peterseniana* (Kjellman) Miyabe & Okamura]

[= *Undaria peterseniana* (Kjellman) Okamura]

[= *Undariella peterseniana* (Kjellman) Y.P.Lee nom. illeg.]

[= *Undaria pinnatifida* var. *distans* Miyabe & Okamura ナンブワカメ]

[= *Undaria pinnatifida* f. *distans* (Miyabe & Okamura) Yendo]

[= *Undaria distans* Miyabe & Okamura ナンブワカメ]

[= *Hirome undarioides* Yendo ヒロメ]

[= *Undaria undarioides* (Yendo) Okamura]

[= *Undaria pinnatifida* f. *narutensis* Yendo ナルトワカメ]

[*Undaria pinnatifida* f. *elliptica* Suringar nom. nud.]

[*Undaria pinnatifida* f. *subflabellata* Suringar nom. nud.]

Note: Uwai *et al.* (2023) synonymized *Undaria peterseniana* and *U. undarioides* with *U. pinnatifida*.

Family Arthrothamnaceae Yu.E.Petrov, 1974 コンブ科 (改称; 旧称: ネコアシコンブ科)

Genus Arthrothamnus Ruprecht, 1848 ネコアシコンブ属

Arthrothamnus bifidus (S.G.Gmelin) J.Agardh ネコアシコンブ

Genus Ecklonia Hornemann, 1828 カジメ属

[= *Capea* Montagne, 1840]

[= *Eckloniopsis* Okamura, 1927 アントクメ属]

Note: Rothman *et al.* (2014) synonymized *Eckloniopsis* with *Ecklonia*.

Ecklonia cava Kjellman カジメ

[= *Ecklonia latifolia* Kjellman ヒロハカジメ]

[*Capea richardiana* auct. non (J.Agardh) G.Martens: Martens (1868)]

[*Ecklonia radiata* auct. non (C.Agardh) J.Agardh: Suringar (1874) p.p.]

Ecklonia cava subsp. *kurome* (Okamura) S.Akita,

K.Hashimoto, Hanyuda & H.Kawai クロメ

[= *Ecklonia kurome* Okamura]

Note: Akita *et al.* (2020) transferred *Ecklonia kurome* to a subspecies of *E. cava*, treating it as *E. cava* subsp. *kurome*.

Ecklonia cava subsp. *stolonifera* (Okamura) S.Akita,

K.Hashimoto, Hanyuda & H.Kawai ツルアラメ

[= *Ecklonia stolonifera* Okamura]

Note: Akita *et al.* (2020) transferred *Ecklonia stolonifera* to a subspecies of *E. cava*, treating it as *E. cava* subsp. *stolonifera*.

Ecklonia cava var. *kuromeoides* S.Akita, K.Hashimoto, Hanyuda & H.Kawai

Note: Akita *et al.* (2020) described this variety based on the type collected from Nagaiso, Yamaguchi Prefecture, Japan.

Ecklonia cava f. *contorta* (Okamura) Mas.Suzuki &

Kitayama

[= *Ecklonia kurome* f. *contorta* Okamura]

Ecklonia cava f. *latissima* (Okamura) Mas.Suzuki &

Kitayama ヒロハクロメ (新称)

[= *Ecklonia kurome* f. *latissima* Okamura]

Ecklonia cava f. *plana* (Okamura) Mas.Suzuki &

Kitayama

[= *Ecklonia kurome* f. *plana* Okamura]

Note: *Ecklonia kurome* was reduced to a subspecies of *E. cava* by Akita *et al.* (2020). Accordingly, the transfers of *E. kurome* f. *contorta*, f. *latissima*, and f. *plana* to *E. cava* were proposed (p. 144).

Ecklonia radicata (Kjellman) Okamura アントクメ

[= *Laminaria radicata* Kjellman]

[= *Eckloniopsis radicata* (Kjellman) Okamura]

[= *Laminaria amakusaensis* Yendo]

Ecklonia radicata f. *elongata* (Kjellman) Mas.Suzuki &

Kitayama

[= *Laminaria radicata* f. *elongata* Kjellman]

[= *Eckloniopsis radicata* f. *elongata* (Kjellman) Okamura]

Ecklonia radicata f. *latifolia* (Kjellman) Mas.Suzuki &

Kitayama

[= *Laminaria radicata* f. *latifolia* Kjellman]

[= *Eckloniopsis radicata* f. *latifolia* (Kjellman) Okamura]

Note: *Laminaria radicata* f. *elongata* and f. *latifolia* were transferred to *Eckloniopsis* by (Okamura 1936). Following the transfer of *Ep. radicata* to *Ecklonia* by Rothman *et al.* (2014), the transfers of *Ep. radicata* f. *elongata*, and f. *latifolia* to *Ecklonia* were proposed (p. 144).

Genus Eisenia Areschoug, 1876 アラメ属

Note: Rothman *et al.* (2014) treated *Eisenia* as a synonym of *Ecklonia*; however, Kawai *et al.* (2020a) treated *Eisenia* as a distinct genus.

Eisenia bicyclis (Kjellman) Setchell アラメ

[= *Ecklonia bicyclis* Kjellman]

[= *Eisenia arborea* f. *bicyclis* (Kjellman) Yendo カジメ]

[= *Capea elongata* G.Martens]

[*Capea flabelliformis* auct. non (A.Richard) Hooker f. & Harvey: Martens (1868)]

[*Ecklonia radiata* auct. non (C.Agardh) J.Agardh: Suringar (1874) p.p.]

Eisenia nipponica H.Kawai, S.Akita, K.Hashimoto &

Hanyuda サガラメ

[*Eisenia arborea* auct. non Areschoug: Arasaki (1953) サガラメ]

Note: Historically, this species was identified as *Eisenia arborea* in Japan (Yoshida *et al.*, 2015); however, Kawai *et al.* (2020a) demonstrated that the Japanese specimens represent a distinct species from *E. arborea* and described it as *E. nipponica* based on the type collected from Mugisaki, Mie Prefecture, Japan.

Genus *Kjellmaniella* Miyabe in Okamura (1902) ガゴメコンブ属 (改称; 旧称: トロロコンブ属)

Kjellmaniella crassifolia Miyabe ガゴメコンブ (旧称: ガゴメ)

[= *Saccharina crassifolia* (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders nom. illeg.]

[= *Saccharina sculpera* C.E.Lane, C.Mayes, Druehl & G.W.Saunders] *Replacement name

Note: Formerly, this species was treated as a member of *Saccharina* in Japan (Yoshida *et al.*, 2015); however, Starko *et al.* (2019) assigned it to *Kjellmaniella*.

Genus *Saccharina* Stackhouse, 1809 コンブ属

[= *Oxyglossum* Areschoug, 1880]

[= *Phycodendrum* Kuntze, 1898]

Saccharina angustata (Kjellman) C.E.Lane, C.Mayes, Druehl & G.W.Saunders ミツイシコンブ

[= *Laminaria angustata* Kjellman]

Saccharina cichorioides (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders チヂミコンブ

[= *Laminaria cichorioides* Miyabe]

Saccharina coriacea (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders ガッガラコンブ

[= *Laminaria coriacea* Miyabe]

[= *Saccharina cichorioides* f. *coriacea* (Miyabe)

Selivanova, Zhigadlova & G.I.Hansen]

Note: Although Selivanova *et al.* (2007) treated this species as a form of *Saccharina cichorioides*, it has been treated as a specific rank in Japan (Yoshida *et al.*, 2015). Further investigation is required to confirm its taxonomic status.

Saccharina gyrata (Kjellman) C.E.Lane, C.Mayes, Druehl & G.W.Saunders トロロコンブ

[= *Laminaria gyrata* Kjellman]

[= *Kjellmaniella gyrata* (Kjellman) Miyabe]

Saccharina gyrata* var. *crispata (Miyabe) Mas.Suzuki & Kitayama

[= *Kjellmaniella gyrata* var. *crispata* Miyabe]

Saccharina gyrata* f. *linearis (Okamura) Mas.Suzuki & Kitayama

[= *Laminaria gyrata* f. *linearis* Okamura]

[= *Kjellmaniella gyrata* f. *linearis* (Okamura) Okamura]

Note: *Laminaria gyrata* was transferred to *Kjellmaniella* by Okamura (1902). Subsequently, *K. gyrata* was transferred to *Saccharina* by Lane *et al.* (2006); accordingly, the transfers of *K. gyrata* var. *crispata* and f. *linearis* to *Saccharina* were proposed (p. 144).

Saccharina japonica (Areschoug) C.E.Lane, C.Mayes, Druehl & G.W.Saunders マコンブ

[= *Laminaria japonica* Areschoug]

[= *Oxyglossum japonicum* (Areschoug) Areschoug]

[= *Hafgygia japonica* (Areschoug) Areschoug]

[= *Phycodendrum japonicum* (Areschoug) Kuntze]

[= *Pleurophyucus japonicus* (Areschoug) O.C.Schmidt]

[= *Laminaria saccharoides* Lenormand ex Suringar]

[= *Laminaria longipedalis* Okamura エナガコンブ]

[= *Saccharina longipedalis* (Okamura) C.E.Lane, C.Mayes, Druehl & G.W.Saunders]

[= *Laminaria fragilis* Miyabe ヤヤンコンブ]

[= *Laminaria diabolica* Miyabe オニココンブ]

[= *Laminaria longipedalis* var. *diabolica* (Miyabe) Miyabe]

[= *Saccharina diabolica* (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders]

[= *Saccharina japonica* f. *diabolica* (Miyabe)

Selivanova, Zhigadlova & G.I.Hansen]

[= *Saccharina japonica* var. *diabolica* (Miyabe)

Yotsukura, Kawashima, T.Kawai, Tsu.Abe & Druehl]

[= *Laminaria ochotensis* Miyabe リシリコンブ]

[= *Saccharina ochotensis* (Miyabe) C.E. Lane, C. Mayes, Druehl & G.W. Saunders]

[= *Saccharina japonica* var. *ochotensis* (Miyabe)

Yotsukura, Kawashima, T.Kawai, Tsu.Abe & Druehl]

[= *Laminaria religiosa* Miyabe ホソメコンブ]

[= *Saccharina religiosa* (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders]

[≡ *Saccharina japonica* var. *religiosa* (Miyabe)

Yotsukura, Kawashima, T. Kawai, Tsu. Abe & Druehl]

[*Fucus saccharinus* auct. non Linnaeus: Thunberg (1784)]

[*Laminaria saccharina* auct. non (Linnaeus)

J.V.Lamouroux: Martens (1868)]

[*Laminaria flexicaulis* auct. non Le Jolis: Hariot (1891)]

[*Laminaria japonica* var. *religiosa* (Miyabe) Tokida & Yabu nom. inval.]

Note: Yotsukura *et al.* (2016) synonymized *Saccharina longipedalis* with *S. japonica* var. *diabolica*; however, Akita *et al.* (2026) recently synonymized var. *diabolica*, var. *ochotensis*, and var. *religiosa* with *S. japonica*.

Saccharina japonica* f. *membranacea (Miyabe & Nagai) S.Akita, Chizaki & H.Mizuta ドテメ

[≡ *Laminaria japonica* f. *membranacea* Miyabe & Nagai]

Note: Akita *et al.* (2026) transferred *Laminaria japonica* f. *membranacea* to *Saccharina*.

Saccharina kurilensis C.E.Lane, C.Mayes, Druehl & G.W.Saunders アツバスジコンブ

[≡ *Cymathaere japonica* Miyabe & Nagai *Replaced synonym

[*Cymathaere crassifolia* auct. non (Postels & Ruprecht)

De Toni: Miyabe & Nagai (1932) アツバミスジコンブ]

Saccharina latissima (Linnaeus) C.E.Lane, C.Mayes, Druehl & G.W.Saunders カラフトコンブ

[≡ *Laminaria saccharina* (Linnaeus) J.V.Lamouroux]

[≡ *Laminaria saccharina* f. *linearis* J.Agardh カラフトコンブ]

Saccharina longissima (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders ナガコンブ

[≡ *Laminaria longissima* Miyabe]

[≡ *Laminaria angustata* var. *longissima* (Miyabe) Miyabe]

Saccharina sachalinensis (Miyabe) Yotsukura & Druehl カラフトトロロコンブ

[≡ *Laminaria sachalinensis* (Miyabe) Miyabe]

Saccharina yendoana (Miyabe) C.E.Lane, C.Mayes, Druehl & G.W.Saunders エンドウコンブ

[≡ *Laminaria yendoana* Miyabe]

Genus *Streptophyllopsis* Kajimura, 1981 クロシオメ属
Streptophyllopsis kuroshioensis (Segawa) Kajimura クロシオメ

[≡ *Hedophyllum kuroshioense* Segawa]

[≡ *Laminaria kuroshioensis* (Segawa) Widdowson]

Family Laminariaceae Bory, 1827 ゴヘイコンブ科
(改称; 旧称: コンブ科)

Genus *Laminaria* J.V.Lamouroux, 1813 nom. cons. ゴヘイコンブ属

[≡ *Hafgygia* Kützing, 1843 nom. illeg.] *Superfluous name

Laminaria yezoensis Miyabe ゴヘイコンブ

Order Ralfsiales Y.Nakamura ex P.E.Lim & H.Kawai in Lim *et al.* (2007) イソガワラ目

Family Mesosporaceae Ji.Tanaka & Chihara, 1982
メソスポラ科

Genus *Mesospora* Weber-van Bosse, 1911 メソスポラ属
Mesospora elongata Poong, P.E.Lim & Phang

[*Mesospora schmidtii* auct. non Weber-van Bosse: Tanaka & Chihara (1982)]

[*Hapalospongidion schmidtii* auct. non (Weber-van Bosse) P.C.Silva: Yoshida *et al.* (2005)]

Family Neoralfsiaceae P.E.Lim & H.Kawai in Lim *et al.* (2007) ナンカイイソハンモン科 (新称)

Genus *Neoralfsia* P.E.Lim & H.Kawai in Lim *et al.* (2007) ナンカイイソハンモン属 (新称)

***Neoralfsia* sp.** ナンカイイソハンモン

[*Ralfsia expansa* auct. non (J.Agardh) J.Agardh: Tanaka & Chihara (1980) ナンカイイソハンモン]

[*Neoralfsia expansa* auct. non (J.Agardh) P.E.Lim & H.Kawai ex Cornaci & G.Furnari]

Note: Formerly, this species was identified as *Neoralfsia expansa* in Japan (Yoshida *et al.*, 2015); however, León-Álvarez *et al.* (2014) demonstrated that these Japanese records represent a misapplication. Therefore, it is tentatively treated as '*Neoralfsia* sp.' in the present checklist.

Family Pseudoralfsiaceae Parente, R.L.Fletcher &

G.W.Saunders in Parente *et al.* (2020) イソイワタケ科 (新称)

Note: Parente *et al.* (2020) transferred *Pseudoralfsia verrucosa* from Ralfsiaceae to this family.

Genus *Pseudoralfsia* Parente, R.L.Fletcher &

G.W.Saunders in Parente *et al.* (2020) イソイワタケ属 (新称)

Pseudoralfsia verrucosa (Areschoug) Parente,

R.L.Fletcher & G.W.Saunders イソイワタケ

[= *Ralfsia verrucosa* (Areschoug) Areschoug]

Note: Parente *et al.* (2020) transferred *Ralfsia verrucosa* to *Pseudoralfsia*.

Family Ralfsiaceae Farlow, 1881 イソガワラ科

Genus *Analipus* Kjellman, 1889 マツモ属

[= *Heterochordaria* Setchell & N.L.Gardner, 1924 マツモ属]

Analipus filiformis (Ruprecht) Papenfuss イトマツモ

Analipus gunjii (Yendo) Kogame & T.Yoshida グンジマツモ

Analipus japonicus (Harvey) M.J.Wynne マツモ

[= *Halosaccion japonicum* Harvey]

[= *Chylocladia japonica* (Harvey) Okamura タオヤギソウ]

[= *Chordaria abietina* Ruprecht ex Farlow マツモ]

[= *Heterochordaria abietina* (Ruprecht ex Farlow) Setchell & N.L.Gardner]

Genus *Endoplura* Hollenberg, 1969 キンイロハンモン属

Endoplura aurea Hollenberg キンイロハンモン

Genus *Heteroralfsia* H.Kawai, 1989 イシツキゴビア属

Heteroralfsia saxicola (Okamura & Yamada) H.Kawai イシツキゴビア

[= *Gobia saxicola* Okamura & Yamada]

[= *Saundersella saxicola* (Okamura & Yamada) Inagaki]

Genus *Ralfsia* Berkeley in Smith & Sowerby (1843) イ

ソガワラ属

Ralfsia claviformis Oteng'o, B.Y.Won & T.O.Cho

Note: Oteng'o *et al.* (2026) identified the '*Ralfsia* sp. A' recorded by Lim *et al.* (2007) as *R. claviformis*.

Ralfsia endopluroides Ji.Tanaka & Chihara

Ralfsia fungiformis (Gunnerus) Setchell & N.L.Gardner

イソガワラ

[= *Ralfsia deusta* (C.Agardh) Berkeley nom. illeg.]

Ralfsia integra Hollenberg

Ralfsia pedicellata Ji.Tanaka & Chihara

Order Scytothamnales A.F.Peters & M.N.Clayton, 1998 スキトタムス目

Family Bachelotiaceae Silberfeld, Racault,

R.L.Fletcher, A.F.Peters, F.Rousseau & de Reviers, 2011

ミナミシオミドロ科

Genus *Bachelotia* (Bornet) Kuckuck ex Hamel, 1939 ミ

ナミシオミドロ属

Bachelotia antillarum (Grunow) Gerloff ミナミシオミ

ドロ

Order Sporochnales Sauvageau, 1926 ケヤリモ目

Family Sporochnaceae Greville, 1830 ケヤリモ科

(旧称: ケヤリモ科)

Genus *Carpomitra* Kützing, 1843 nom. cons. イチメガサ属

Carpomitra costata (Stackhouse) Batters イチメガサ

[= *Carpomitra cabreræ* (Clemente) Kützing イチメガサ]

Genus *Nereia* Zanardini, 1846 ウミボッス属

Nereia intricata Yamada ウミボッス

Genus *Sporochnus* C.Agardh, 1817 ケヤリモ属

Sporochnus dotyi Brostoff クジャクケヤリモ

Note: Kawai *et al.* (2023a) recorded this species as a new record for Japan.

Sporochnus keyari H.Kawai & Hanyuda ケヤリモ

[*Sporochnus moorei* auct. non Harvey: Okamura (1902) ケ

ヤリ]

[*Sporochnus herculeus* auct. non Harvey: Okamura (1916)]

[*Sporochnus radiformis* auct. non (R.Brown ex Turner)

C.Agardh: Okamura (1922) タマケヤリ (ケヤリ)]

[*Sporochnus scoparius* auct. non Harvey: Okamura (1922) ケヤリ]

Note: Historically, this species was identified as

Sporochnus radiformis in Japan (Yoshida *et al.*, 2015);

however, Kawai *et al.* (2024) demonstrated that the

Japanese specimens represent a distinct species from *S.*

radiformis and described it as *S. keyari* based on the type

collected from Nushima, Hyogo Prefecture, Japan.

Order Stschapoviales H.Kawai in Kawai *et al.*

(2015) シチャボビア目

Family Stschapoviaceae H.Kawai in Kawai & Sasaki

(2004) シチャボビア科

Genus *Stschapovia* Zinova, 1954 シチャボビア属

Stschapovia flagellaris Zinova

Order Tilopteridales Bessey, 1907 チロプテリス目

[= Cutleriales Oltmanns, 1922 ムチモ目]

Family Cutleriaceae J.W.Griffith & Henfrey, 1855 ム

チモ科

Genus *Cutleria* Greville, 1830 ヒラムチモ属

Cutleria adspersa (Mertens ex Roth) De Notaris ケベリ
グサ

Cutleria multifida (Turner) Greville ヒラムチモ

Genus *Mutimo* H.Kawai & Kitayama in Kawai *et al.*

(2012) ムチモ属

Mutimo cylindricus (Okamura) H.Kawai & Kitayama

ムチモ

[= *Cutleria cylindrica* Okamura]

Subclass Ishigeophycidae Silberfeld,

F.Rousseau & de Reviers, 2014 イシゲ亜綱

Order Ishigeales G.Y.Cho & S.M.Boo in Cho *et al.*

(2004) イシゲ目

Family Ishigeaceae Okamura in Segawa (1935) イシ

ゲ科

Genus *Ishige* Yendo, 1907 イシゲ属

Ishige foliacea Okamura イロロ

[*Ishige sinicola* auct. non (Setchell & N.L.Gardner)

Chihara: Chihara (1969) イロロ]

Ishige okamurae Yendo イシゲ

[= *Chnoospora okamurae* (Yendo) Okamura]

[*Pelvetia babingtonii* auct. non (Harvey) De Toni: Okamura

(1902) イシゲ]

Ishigeales familia incertae sedis 科の所属不明

Genus *Diplura* Hollenberg, 1969 クロハンモン属

Diplura simplex Ji.Tanaka & Chihara クロハンモン

Phaeophyceae ordo et familia incertae sedis

目・科の所属不明

Genus *Zosterocarpus* Bornet, 1890 ラホツミドロ属

Note: Silberfeld *et al.* (2014) treated the classification of
this genus within the Phaeophyceae as *incertae sedis*.

Zosterocarpus ogasawaraensis Kitayama ラホツミ
ドロ

Class Phaeosacciophyceae R.A.Andersen,

L.Graf & H.S.Yoon in Graf *et al.* (2020) フクロコガネ
モ藻綱 (新称)

Note: Graf *et al.* (2020) placed Phaeosacciales in this class.

Order Phaeosacciales R.A.Andersen, L.Graf &

H.S.Yoon in Graf *et al.* (2020) フクロコガネモ目 (新
称)

Note: Graf *et al.* (2020) transferred Phaeosacciaceae from
Phaeothamniales to this order.

Family *Phaeosacciaceae* Feldmann, 1949 フクロコ
ガネモ科

Genus *Phaeosaccion* Farlow, 1882 フクロコガネモ属

Phaeosaccion collinsii Farlow フクロコガネモ

Class Xanthophyceae P.Allorge ex F.E.Fritsch,

1935 黄緑藻綱

Order Vaucheriales F.F.Blackman & Tansley, 1902

フシナシミドロ目

Family Vaucheriaceae Dumortier, 1822 フシナシミ

ドロ科

Genus *Pseudodichotomosiphon* Yamada, 1934 クビレ

ミドロ属

Pseudodichotomosiphon constricta (Yamada) Yamada

クビレミドロ

[≡ *Vaucheria constricta* Yamada]

Genus *Vaucheria* De Candolle, 1801 フシナシミドロ属

Vaucheria erythrospora T.A.Christensen

Vaucheria longicaulis Hoppaugh ウミフシナシミドロ

Vaucheria mayyanadensis Erady

Vaucheria piloboloides Thuret ヒラマメフシナシミドロ

Vaucheria schleicheri De Wildeman

Vaucheria vipera Blum カマクビウミフシナシミドロ

Taxa inquirenda

1. Chlorophyta

Bryopsidales

Bryopsis pennata J.V.Lamouroux クシハネモ

Note: Although Yoshida (1998) cited this species, no detailed documentation or voucher specimens have been found to support this record. Further research is required to verify the original report of this species in Japan.

Caulerpa lentillifera var. *condensata* Yamada

Note: Terada *et al.* (2012) noted a similarity between this variety and *Caulerpa lentillifera* var. *lentillifera*.

Cladophorales

Cladophora oligoclada auct. non Harvey: Sakai (1964) サイダシオグサ

Note: Hoek & Chihara (2000) demonstrated that the Japanese specimens reported by Sakai (1964) represent a distinct species from *Cladophora oligoclada*. Further study is required to confirm its presence in the Japanese algal flora.

Valonia oblongata J.Agardh

Note: Yoshida (1998) noted a similarity between this species and *Boergesenia forbesii*.

Ulotrichales

Monostroma arcticum Wittrock キタヒトエグサ

Note: Yoshida (1998) noted a similarity between this species and *Monostroma grevillei*.

Ulvales

Enteromorpha bulbosa (Suhr) Montagne フクロアオリ

Enteromorpha bulbosa f. *dilatata* Kjellman

Enteromorpha bulbosa f. *elongata* Kjellman

Enteromorpha fascia Postels & Ruprecht ホソアオリ

Enteromorpha hirsuta Kjellman モサアオリ

Note: Other than Okamura (1916, 1936) and Arasaki (1964), these species and forms have not been recorded.

2. Rhodophyta

Bangiales

Porphyra paleola Noda nom. inval. サツキノリ

Note: Yoshida (1998) noted a similarity between this species

and *Pyropia yezoensis*. This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Noda, 1964b).

Ceramiales

Antithamnion echigoense Noda ゴセイヨツガサネ

Note: Yoshida (1998) suggested that this species might belong to a different genus, and consequently excluded it from the Japanese algal flora.

Antithamnion mcnabbii E.Y. Dawson フシクレフタツガサネ

Antithamnion sublittorale Setchell & N.L.Gardner ヒゲネフタツガサネ

Note: Although Itono (1969) recorded these species from Japan, Itono (1977) noted that their identifications are uncertain.

Bostrychia andoi Okamura タニコケモドキ

Note: Historically, this species was synonymized with *Bostrychia simpliciuscula* in Japan (Yoshida *et al.*, 2015). Zuccarello *et al.* (2018) demonstrated that Japanese specimens are distinct from *B. simpliciuscula* and resurrected *B. hamata-tokidae*. However, they emphasized that further investigation is required to fully resolve its taxonomic identity.

Callithamnion apicale Noda タマキヌイトグサ

Callithamnion echigoense Noda エチゴキヌイトグサ

Note: Yoshida (1998) noted a similarity between these species and *Aglaothamnion callophyllidicola*, and consequently excluded it from the Japanese algal flora.

Ceramium huysmansii Weber-van Bosse

Note: Although Itono (1977) recorded *Ceramium huysmansii* (currently *Corallophila huysmansii*) from Japan, he noted that its identification is uncertain.

Ceramium leptozonum M.Howe

Ceramium marshallense E.Y.Dawson

Ceramium mazatlanense E.Y.Dawson

Ceramium ornatum Setchell & N.L.Gardner

Note: Although Itono (1972, 1977) recorded these species from Japan, Itono (1977) noted that their records are

uncertain.

Ceramium tenuicorticatum K.Konno スカシイギス

Note: Yoshida (1998) noted that this species appears to be a small form of *Campylaeophora boydenii*.

Chondria polyrhiza Collins & Hervey

Note: Yoshida (1998) noted that this species has not been recorded in Japan since Iwamoto (1960b).

Dasya cylindrica Noda ツツガタダジア

Note: Yoshida (1998) noted a similarity between this species and *Dasya minor*, and consequently excluded it from the Japanese algal flora.

Dasya echigoensis Noda エチゴダジア

Note: Yoshida (1998) noted a similarity between this species and *Dasya sessilis* (currently *Dasyasiphonia sessilis*), and consequently excluded it from the Japanese algal flora.

Dasya nodae Molinari & Guiry ナガミダジア

[≡ *Dasya elongata* Noda nom. illeg.] *Replaced synonym

Note: Yoshida (1998) noted a similarity between *Dasya elongata* (currently *D. nodae*) and *D. sessilis* (currently *Dasyasiphonia sessilis*), and consequently excluded it from the Japanese algal flora.

Melanothamnus teradomariensis (Noda) Díaz-Tapia &

Maggs エチゴヒメイトグサ

[≡ *Polysiphonia teradomariensis* Noda]

[≡ *Polysiphonia japonica* var. *teradomariensis* (Noda)

H.Y.Yoon]

[≡ *Neosiphonia teradomariensis* (Noda) M.S.Kim & I.K.Lee]

Note: Yoshida (1998) noted a similarity between this species and *Polysiphonia porrecta* (currently *Melanothamnus porrectus*), and consequently excluded it from the Japanese algal flora.

Melanothamnus upolensis (Grunow) Díaz-Tapia &

Maggs

[≡ *Polysiphonia upolensis* Grunow]

Note: Yoshida (1998) noted a similarity between *Polysiphonia upolensis* (currently *Melanothamnus upolensis*) recorded by Cordero (1975) and *P. sphaerocarpa* (currently *M. sphaerocarpus*), and consequently excluded it from the Japanese algal flora.

Pleonosporium dichotomum Noda ヒメクスダマ

Note: Yoshida (1998) noted a similarity between this species and *Pleonosporium pusillum*, and consequently excluded it from the Japanese algal flora.

Pleonosporium elongatum Noda ホソエダクスダマ

Note: Yoshida (1998) noted a similarity between this species and *Pleonosporium kobayashii*, and consequently excluded it from the Japanese algal flora.

Pleonosporium mazeense Noda マゼクスダマ

Note: Yoshida (1998) noted a similarity between this species and *Pleonosporium pusillum*, and consequently excluded it from the Japanese algal flora.

Polysiphonia bicornis T.Ohta

Note: Yoshida (1998) noted a similarity between this species and *Polysiphonia tapinocarpa* (currently *Eutrichosiphonia tapinocarpa*), and consequently excluded it from the Japanese algal flora.

Polysiphonia elongata f. *schuebeleri* (Foslie)

Rosenvinge

Note: Although this species was reported from Japan (Yoshida *et al.*, 2015), Iwamoto (1960b) questioned its occurrence in Japan. Further study is required to confirm its presence in the Japanese algal flora.

Spermothamnion echigoense Noda エチゴヒビダマ

Note: Yoshida (1998) noted a similarity between this species and *Lejolisia pacifica*, and consequently excluded it from the Japanese algal flora.

Spermothamnion yonakuniense var. *sadoense* Noda サ

ドクスダマ

Note: Itono (1977) indicated that this variety does not belong to *Spermothamnion yonakuniense* (currently *Gordoniella yonakuniensis*), and Yoshida (1998) subsequently excluded it from the Japanese algal flora.

Spermothamnion yonakuniense f. *flexuosum* Noda nom.

inval. ユレクスダマ

Spermothamnion yonakuniense f. *sargassicola* Noda

nom. inval. モツキウラクダマ

Note: Itono (1977) indicated that these forms do not belong to *Spermothamnion yonakuniense* (currently *Gordoniella yonakuniensis*), and Yoshida (1998) subsequently excluded them from the Japanese algal flora. These names are invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the types were not designated in the original

publication (Noda, 1967).

Corallinales

Lithophyllum grumosum (Foslie) Foslie

Note: Baba & Kato (2023) noted that the status of this species in the Japanese algal flora remains uncertain, and its presence in Japan requires further verification.

Gelidiales

Gelidium rigens (C.Agardh) Greville ex Kützinger

[≡ *Sphaerococcus rigens* C.Agardh]

[≡ *Chylocladia rigens* (C.Agardh) J.Agardh]

Note: This species was described by Agardh (1822) from Japan. Okamura (1902) treated this species as “*Endocladia? rigens*”. Later, Okamura (1916) treated it as *Gelidium rigens* and a heterotypic synonym of *Endocladia complanata* (currently treated as a misapplied name of *Caulacanthus okamurae*). If this species is conspecific with *C. okamurae*, it has a priority against *C. okamurae*. Further observations are required to confirm the taxonomic identity of *G. rigens* and *C. okamurae*.

Gigartinales

Catenella nipae Zanardini

Note: Although Yoshida *et al.* (1985b) listed this species, no detailed documentation or voucher specimens have been found to support this record. Further research is required to verify the original report of this species in Japan.

Chondrus punctatus Suringar

[≡ *Gigartina punctata* (Suringar) Hariot]

Note: Kawaguchi & Masuda (1987) indicated that this species is not referable to *Chondrus* but potentially belongs to the Halymeniaceae. Due to its uncertain generic placement, they excluded it from the Japanese algal flora.

Endocladia yasudae Yendo

Note: Okamura (1936) noted that this species is related not to *Endocladia* but *Caulacanthus*.

Gigartina punctata var. *flabelliformis* Hariot

Note: Kawaguchi & Masuda (1987) noted that *Chondrus punctatus* and *Gigartina punctata* belong to the Halymeniaceae but are of uncertain generic placement. This variety similarly appears to be of uncertain generic status.

Hypnea nidulans Setchell ムラサキコケイバラ

Note: Historically, this species was synonymized with

Hypnea pannosa in Japan (Yoshida, 1998). Geraldino *et al.* (2010) later distinguished *H. nidulans* from *H. pannosa*, identifying the specimens from Okinawa reported by Yamagishi & Masuda (2000) as *H. nidulans*. Recently, Jesus *et al.* (2023) revealed that these specimens actually represent *H. dijamilae*. Therefore, further observations are required to confirm the presence and taxonomic identity of *H. nidulans* in Japan.

Kallymenia ornata (Postels & Ruprecht) J.Agardh キタツカサノリ

Note: Although this species was reported from Japan (Yoshida *et al.*, 2015), Yamada (1934) questioned its occurrence in Japan. Further study is required to confirm its presence in the Japanese algal flora.

Gracilariales

Gracilaria flexuosa Holmes

Note: Okamura (1916) regarded this species as conspecific with *Gracilaria confervoides* (currently *G. vermiculophylla*). If so, it would take nomenclatural priority over the latter; however, Yoshida & Yamamoto (1998) suggested that the relationship between this species and *G. vermiculophylla* requires further investigation.

Halymeniales

Grateloupia acutiuscula Grunow

Grateloupia gelatinosa Grunow

Grateloupia japonica Grunow

Note: Yoshida & Kawaguchi (1998) noted that a similarity between these species and *Polyopes affinis* or *P. prolifer*, and consequently excluded them from the Japanese algal flora.

Halymenia auriculata Yagi nom. nud. ウミボタン

Note: Yagi (1962) provided a description and an illustration for this species; however, it appears to be invalidly published (*nomen nudum*). There have been no subsequent reports of this species since Yagi (1962).

Halymenia rotunda var. *longipes* Yagi エナガマルバグサ

Note: This variety has not been reported since Yagi (1957), and no other reports have been published besides Yagi's study.

Halpidiales

Lithothamnion pacificum (Foslie) Foslie アッケシイボ

イシ

Note: Baba & Kato (2023) noted that the status of this species in the Japanese algal flora remains uncertain, and its presence in Japan requires further verification.

Nemaliales

Trichogloea lubrica J.Agardh

[= *Trichogloea subnuda* M.Howe]

Note: Yoshida (1998) suggested that the morphological distinction between this species and *Trichogloea requienii* remains to be clarified.

Peyssonneliales

Cruoriella elegans Nozawa nom. inval. イワゲシヨウ

Note: This species has not been reported since Nozawa (1968), and no other reports have been published besides Nozawa's study. This name is invalid under ICN Art. 44.1 (Turland *et al.*, 2025) as the protologue by Nozawa (1968) lacked a Latin description or diagnosis.

3. Heterokontophyta

Dictyotales

Dictyota dilatata Yamada nom. illeg. サキビロアミジ

Note: Vieira *et al.* (2025) considered the record of this species to be uncertain. This species is a later homonym of *Dictyota dilatata* Poiret.

Padina boryana Thivy アカバウミウチワ

[= *Padina commersonii* Bory アカバウミウチワ]

Note: Ni-Ni-Win & Kawai (2021) considered the record of this species to be uncertain.

Spatoglossum kurusimense Yagi ヒラタコモングサ

Note: This species has not been reported since Yagi (1964), and no subsequent studies have confirmed its presence.

Ectocarpales

Ascocyclus dichotomus T.Ohta

Note: Yoshida (1998) noted that further observations are required for this species, and consequently excluded it from the Japanese algal flora.

Ascocyclus stenonemus Takamatsu nom. inval.

Note: This species was cited in Dr. Masahiko Takamatsu's thesis and described by Noda (1969). This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Noda, 1969). Yoshida (1998) subsequently

excluded it from Japanese algal flora.

Chordaria flagelliformis f. *ramusculifera* Kjellman マバ
ラナガマツモ

Note: Kim & Kawai (2002) noted that this form may be an ecotype of *Chordaria flagelliformis*.

Compsonema chordae Noda ツルモノハリモ

Note: Yoshida (1998) noted that the genetic position of this species has been questioned, and consequently excluded it from the Japanese algal flora.

Dictyosiphon corymbosus Kjellman

Note: Although Iwamoto (1960b) reported this species from Japan, Kawai *et al.* (2021a) indicated that the morphological characteristics described by Iwamoto (1960b) do not match those of *Dictyosiphon*.

Ectocarpus brevicellularis Noda タンホウシオミドロ

Ectocarpus obtusus Noda マルミシオミドロ

Ectocarpus zosteræ Noda & T.Ohta

Note: Yoshida (1998) noted a similarity between these species and *Ectocarpus acutus* (currently *E. arctus*), and consequently excluded them from the Japanese algal flora.

Ectocarpus cladosiphonae Noda nom. inval. マバラエ
ダシオミドロ

Note: This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Noda, 1969). Yoshida (1998) excluded it from Japanese algal flora.

Ectocarpus commixtus Noda ホソシオミドロ

Ectocarpus sadoensis Noda ヒメオケサシオミドロ

Ectocarpus shimokitaensis T.Ohta

Note: Yoshida (1998) noted a similarity between these species and *Feldmannia irregularis*, and consequently excluded them from the Japanese algal flora.

Ectocarpus confusiphyllus Noda フシスジモノシオミ
ドロ

Ectocarpus cystophyllophilus Noda カイフモクノシオ
ミドロ

Ectocarpus densus T.Ohta nom. illeg.

Ectocarpus dictyopterica Noda ヤハズノシオミドロ

Ectocarpus hornericola Noda ギバサシオミドロ

Ectocarpus laminariae Noda エゾノシオミドロ

Ectocarpus lepasicola Noda エボシノシオミドロ

Ectocarpus mitchellioides Noda ハネゲシオミドロ

Ectocarpus monzensis Noda & K.Konno モンゼンシオミドロ

Ectocarpus oblongatus Noda トゲモノシオミドロ

Ectocarpus plasticola Noda ホソミシオミドロ

Ectocarpus plumosus Noda ナガエダシオミドロ

Ectocarpus rotundatoapicalis Noda & S.Honda エナシシオミドロ

Ectocarpus sargassicaulinus Noda オオバモクノシオミドロ

Ectocarpus sargassiphyllus Noda モクノハシオミドロ

Ectocarpus scytosiphonae Noda カヤモノシオミドロ

Ectocarpus tappiensis T.Ohta タップシオミドロ

Ectocarpus tasshaensis Noda オケサシオミドロ

Ectocarpus tsugaruensis T.Ohta

Note: Yoshida (1998) noted a similarity between these species and *Hincksia mitchelliae* (currently *Feldmannia mitchelliae*), and consequently excluded them from the Japanese algal flora. *Ectocarpus densus* is a later homonym of *E. densus* Lyngbye.

Ectocarpus elachistiformis Heydrich イトシオミドロ

Note: Yoshida (1998) noted that further observations are required for *E. elachistaeformis* recorded by Noda (1969), and consequently excluded it from the Japanese algal flora.

Ectocarpus hemisphericus f. *minor* D.A.Saunders スガモノシオミドロ

Note: Yoshida (1998) noted a similarity between this species recorded in Noda & Kitami (1971) and *Protectocarpus speciosus*, and consequently excluded it from the Japanese algal flora.

Ectocarpus kjellmanioides Noda クサレエダノシオミドロ

Ectocarpus minor Noda ヒメヒモシオミドロ

Note: Yoshida (1998) noted that further observations are required for these species, and consequently excluded them from the Japanese algal flora.

Ectocarpus niigatensis Noda nom. inval. ホソナガシオミドロ

[≡ *Ectocarpus hiemalis* Noda nom. illeg.] *Replaced synonym

Note: This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Noda, 1975). Yoshida (1998)

subsequently excluded it from Japanese algal flora.

Ectocarpus penicillatus (C.Agardh) Kjellman エフデシオミドロ

Note: Yoshida (1998) noted that further observations are required for this species recorded by Noda (1964a), and consequently excluded it from the Japanese algal flora.

Ectocarpus polysiphoniae Noda イトグサヒメシオミドロ

Note: Yoshida (1998) excluded it from the Japanese algal flora.

Ectocarpus sorocarpoides Takamatsu ex Noda nom.

inval. キタノシオミドロ

Note: This species was cited in Dr. Masahiko Takamatsu's thesis and described by Noda (1969). This name is invalidly published under ICN Art. 40.1 (Turland *et al.*, 2025) because the type was not designated in the original publication (Noda, 1969). No subsequent reports have appeared since Noda (1969).

Ectocarpus sphaericus T.Ohta nom. illeg.

Note: Yoshida (1998) noted a similarity between this species and *Botrytella*, and consequently excluded it from the Japanese algal flora. This species is a later homonym of *Ectocarpus sphaericus* Derbès & Solier.

Elachista coccophorae (T.Ohta) Perstenko nom. illeg.

[≡ *Halothrix coccophorae* T.Ohta]

Note: Yoshida (1998) noted a similarity between this species and *Halothrix ambigua*, and consequently excluded it from the Japanese algal flora. This species is a later homonym of *Elachista coccophorae* Takamatsu.

Elachista zosterae Noda アマモノナミマクラ

Note: Yoshida (1998) noted a similarity between this species and *Elachista mollis*, and consequently excluded it from the Japanese algal flora.

Gonodia fusiformis Noda フナガタゴノディア

Note: Yoshida (1998) noted a similarity between this species and *Myriactula*, and consequently excluded it from the Japanese algal flora.

Halothrix sadoensis Noda オケサソメワケグサ

Note: Yoshida (1998) noted a similarity between this species and *Halothrix ambigua*, and consequently excluded it from the Japanese algal flora.

Hincksia acutoramulis (Noda) R.Luan トガリエダシオ

ミドロ

[≡ *Ectocarpus acutoramulis* Noda]

Note: Yoshida (1998) noted a similarity between *Ectocarpus acutoramulis* (currently *Hinckesia acutoramulis*) and *H. mitchelliae* (currently *Feldmannia mitchelliae*), and consequently excluded it from the Japanese algal flora.

Ilea zostericola Noda ヒメセイヨウハバノリ

Note: Yoshida & Kogame (1998) noted a similarity between this species and *Petalonia zosterifolia* (currently *Planosiphon zosterifolius*), and consequently excluded it from the Japanese algal flora.

Leathesia tsugaruensis T.Ohta

Note: Yoshida (1998) noted a similarity between this species and *Leathesia primaria*, and consequently excluded it from the Japanese algal flora.

Myrionema terminale Noda

Note: Yoshida (1998) noted a similarity between this species and *Protectocarpus speciosus*, and consequently excluded it from the Japanese algal flora.

Streblonema codii E.S.Barton ミルノイト

Note: Yoshida (1998) noted that further observations are required for *Streblonema codii* recorded by Noda (1971), and consequently excluded it from the Japanese algal flora.

Streblonema gracilicola Noda カバノリノミドロ

Note: Yoshida (1998) noted that further observations are required for this species, and consequently excluded it from the Japanese algal flora.

Fucales*Hizikia fusiformis* f. *cylindrica* Okamura*Hizikia fusiformis* f. *foliifera* Okamura*Hizikia fusiformis* f. *liniiformis* Okamura

Note: Shimabukuro (2017b) noted that these forms are morphologically indistinguishable from *Sargassum fusiforme* f. *fusiforme*.

Myagropsis camelina Kützting

[≡ *Sargassum camelina* (Kützting) Endlicher]

Note: Yoshida & Kawai (1987) noted that the taxonomic status of this species remains uncertain.

Sargassum graminifolium C.Agardh ススキモク

Note: Although Yagi (1964) and Ouchi (1980) recorded this species, no reports have been published since Okamura (1936). Kobayashi (2008) questioned the validity of these

reports, noting the absence of voucher specimens.

Sargassum thunbergii f. *latifolium* Yendo*Sargassum thunbergii* f. *nipponicum* Yendo

Note: Shimabukuro (2017a) noted that these forms are morphologically indistinguishable from *Sargassum thunbergii* f. *thunbergii*.

Sargassum vulgare C.Agardh nom. illeg. ジンメソウ

Note: Although Yagi (1964) and Ouchi (1980) reported this species, no records have been documented since Okamura (1936). Kobayashi (2008) questioned the validity of these reports, noting the absence of voucher specimens.

Stephanocystis geminata (C.Agardh) Draisma,

Ballesteros, F.Rousseau & T.Thibaut エゾモク

[≡ *Cystoseira geminata* C.Agardh]

[≡ *Cystophyllum geminatum* (C.Agardh) J.Agardh]

Note: This species is known from the Kuril Islands and Sakhalin. However, as it has not been documented in Hokkaido Prefecture (Yoshida, 1998), its occurrence in Japan remains to be verified.

Turbinaria fusiformis f. *clavigera* (Harvey) Yendo フクロヒジキ

[≡ *Cystophyllum fusiforme* var. *clavigerum* Harvey]

Note: Shimabukuro (2017b) noted that this form is morphologically indistinguishable from *Sargassum fusiforme* f. *fusiforme*.

Turbinaria turbinata (Linnaeus) Kuntze タカツキモク

[= *Turbinaria trialata* (J.Agardh) Kützting タカツキモク]

[*Turbinaria trialata* var. *capensis* auct. non Kützting: Yendo (1916) タカツキモク]

Note: Yoshida (1998) questioned the occurrence of this species in Japan. Shimabukuro (2016b) later demonstrated that Japanese records of *Turbinaria turbinata* are likely referable to a small form of *T. ornata*.

Laminariales*Agarum cribrosum* f. *rishiriense* I.Yamada リシリアナメ

Note: Boo *et al.* (2011) demonstrated that the specimen of *Agarum cribrosum* f. *rishiriense* is conspecific with *A. yakishiriense*.

Agarum cribrosum f. *rugosum* I.Yamada ザラアナメ

Note: Boo *et al.* (2011) demonstrated that the specimen of *Agarum cribrosum* f. *rugosum* is conspecific with *A.*

clathratum.

Ecklonia wrightii Harvey

Note: Yoshida (1998) suggested that this species might be conspecific with *Eisenia bicyclis*, and if so, it would take nomenclatural priority over the latter.

Sphacelariales

Sphacelaria axilaris Takamatsu

Note: Kitayama (1994) did not recognize this species due to the lack of sufficient descriptive information.

Sphacelaria japonica G.Martens

Note: Kitayama (1994) did not recognize this species due to the lack of sufficient descriptive information. Although

De Toni (1895b) synonymized this species with

Sphacelaria cirrosa, Kitayama (1994) demonstrated that *S. cirrosa* has never been collected in Japan.

Sphacelaria novae-caledoniae Sauvageau ハゴイタクロガシラ

Note: Kitayama (1994) did not recognize this species in

Japan due to the absence of supporting voucher specimens.

Excluded taxa

1. Taxa explicitly excluded from the Japanese flora

Note: The following taxa have been formally excluded from the Japanese marine algal flora in previous studies (Sakai 1964; Kitayama 1994; Masuda 1997; Yoshida 1987; 1998; Yoshida & Baba 1998; Baba & Kato 2023), typically due to confirmed misidentifications or their restriction to other biogeographic regions.

Chlorophyta

Cladophora arbuscula Kjellman

Cladophora divergens Kjellman

Rhodophyta

Chondria atropurpurea Harvey アズキヤナギノリ

Goniolithon mamillare (Harvey) Foslie イボイシモ

Goniolithon propinquum (Foslie) Foslie

[≡ *Goniolithon notarisii* f. *propinquum* Foslie]

Jania pumila J.V.Lamouroux

[≡ *Corallina pumila* (J.V.Lamouroux) Kützinger]

Jania rubens (Linnaeus) J.V.Lamouroux

Jania tenella (Kützinger) Grunow

[≡ *Corallina tenella* Kützinger]

Laurencia ceylanica J.Agardh セイロンソゾ

Laurencia heteroclada Harvey ナンテンソゾ

[*Laurencia filiformis* auct. non (C.Agardh) Montagne;

Yoshida *et al.* (1985) ナンテンソゾ]

Lithophyllum incrustans Philippi

Lithophyllum racemus (Lamarck) Foslie

Lithothamnion laeve f. *tenue* (Kjellman) Foslie イシモ

Lithothamnion obtectulum (Foslie) Foslie アッケシオコシ

Lithothamnion siamense (Foslie) Foslie

Melobesia membranacea (Esper) J.V.Lamouroux

[≡ *Lithothamnion membranaceum* (Esper) Foslie]

[≡ *Melobesia corticiformis* Kützinger]

[≡ *Lithothamnion corticiforme* (Kützinger) Foslie]

Phymatolithon polymorphum Foslie nom. illeg.

[≡ *Lithothamnion polymorphum* Areschoug nom. illeg.]

Heterokontophyta

Sargassum confusum var. *papillatum* Grunow

Sargassum serratifolium var. *amblyocystum* Grunow

Sargassum serratifolium var. *fecundum* Grunow

Sargassum serratifolium f. *poliophyllum* Grunow

Sargassum serratifolium f. *subserratum* Grunow

Sphacelaria cirrosa (Roth) C.Agardh

2. Taxa recorded without supporting evidence

Note: Although the following taxa have been reported from Japan by Yagi (1939, 1961, 1962), Tanaka (1967), Yoshizaki (1993), Ohba (1995), Hata *et al.* (2002), Hata & Kato (2003), Steen *et al.* (2015), and Titlyanov *et al.* (2016, 2019, 2024), these reports lack supporting documentation or voucher specimens. Further study is needed to confirm the occurrence of this species in Japan.

Chlorophyta

Acrochaete geniculata (N.L.Gardner) O'Kelly

Boodlea struveoides M.Howe

Bryopsis australis Sonder

Caulerpa cupressoides var. *serrata* (Kützinger) Weber-van Bosse

Caulerpa serrulata f. *spiralis* (Weber-van Bosse)

W.J.Gilbert

Chaetomorpha javanica Kützinger

Chaetomorpha minima Collins & Hervey

Chlorochytrium cohnii E.P.Wright

Cladophoropsis membranacea (Bang ex C.Agardh)

Børgesen

Codium geppiorum O.C.Schmidt

Halicystis pyriformis Levring

Halimeda macrophysa Askenasy

Parvocaulis pusillus (M.Howe) S.Berger, Fettweiss,

Gleissberg, L.B.Liddle, U.Richter, Sawitzky & Zuccarello

Penicillus sibogae A.Gepp & E.S.Gepp *Siphonogramen*

abbreviatum (W.J.Gilbert) I.A.Abbott & Huisman

Ulva chaetomorphoides (Børgesen) H.S.Hayden,

Blomster, Maggs, P.C.Silva, Stanhope & Waaland
Ulva ralfsii (Harvey) Le Jolis
Ulvella geniculata (N.L.Gardner) R.Nielsen, O'Kelly & Wysor
Ulvella repens (Pringsheim) R.Nielsen, O'Kelly & Wysor
Ulvella viridis (Reinke) R.Nielsen, O'Kelly & Wysor
Uronema marinum Womersley

Rhodophyta

Acrochaetium chaetomorphae (Tak.Tanaka & P.H.Hô) Heerebout
Acrochaetium colaconemoides P.H.Hô
Acrochaetium subseriatum Børgesen
Agissea inamoena (Hudson) L.Newton
Ahnfeltiopsis pygmaea (J.Agardh) P.C.Silva & De Cew
Antithamnion pectinatum (Montagne) Brauner
Antithamnionella longicellulata (E.Y.Dawson) E.M.Wollaston
Bangiopsis dumontioides (P.Crouan & H.Crouan) Krishnmurth
Botryocladia pyriformis (Børgesen) Kylin
Ceramium cingulatum Weber-van Bosse
Ceramium maryae Weber-van Bosse
Ceramium vagans P.C.Silva
Ceratodictyon scoparium (Montagne & Millardet) R.E.Norris
Champia vieillardii Kützing
Chondria littoralis Harvey
Chondria minutula Weber-van Bosse
Chondrophyucus articulatus (C.K.Tseng) K.W.Nam
Colaconema gracile (Børgesen) Ateweberhan & Prud'homme
Cryptopleura ramosa (Hudson) L.Newton
Dudresnaya hawaiiensis R.K.S.Lee ナンカイヒビロード
Gayliella transversalis (Collins & Hervey) T.O.Cho & Fredericq
Gelidium pusillum var. *cylindricum* W.R.Taylor
Gelidium pusillum var. *pacificum* W.R.Taylor
Gracilaria canaliculata Sonder
Gracilaria spinulosa (Okamura) C.F.Chang & B.M.Xia トゲイツツギス
Gracilariopsis longissima (S.G.Gmelin) Steentoft, L.M.Irvine & Farnham

Griffithsia metcalfii C.K.Tseng
Gymnogongrus griffithsiae (Turner) Martius
Halymenia formosa Harvey ex Kützing
Herposiphonia delicatula Hollenberg
Herposiphonia obscura Hollenberg
Herposiphonia secunda (C.Agardh) Ambrogn
Heterosiphonia crispella (C.Agardh) M.J.Wynne
Hydrolithon boreale (Foslie) Y.M.Chamberlain
Hypnea valentiae (Turner) Montagne
Hypoglossum attenuatum N.L.Gardner
Jania longiarthra E.Y.Dawson
Laurencia decumbens Kützing
Laurencia galtsoffii M.Howe
Lomentaria corallicola Børgesen
Lophosiphonia cristata Falkenberg
Melanothamnus delicatulus (Hollenberg) Huisman
Melanothamnus pseudovillum (Hollenberg) Díaz-Tapia & Maggs
Neoziziella divaricata (C.K.Tseng) Showe M.Lin, S.Y.Yang & Huisman
Nitophyllum adhaerens M.J.Wynne
Palisada concreta (A.B.Cribb) K.W.Nam
Parviphycus adnatus (E.Y.Dawson) Santelices
Peyssonnelia boergesenii Weber-van Bosse
Peyssonnelia obscura Weber-van Bosse
Pleonosporium borneri (Smith) Nägeli
Polysiphonia coacta C.K.Tseng
Polysiphonia denudata (Dillwyn) Greville ex Harvey
Polysiphonia sphaerocarpa Børgesen
Polysiphonia subtilissima Montagne
Polysiphonia villum J.Agardh
Tiffaniella saccorhiza (Setchell & N.L.Gardner) Doty & Meñez
Tolypocladia condensata (Weber-van Bosse) P.C.Silva
Tricleocarpa fastigiata (Decaisne) Huisman, G.H.Boo & S.M.Boo
Womersleyella setacea (Hollenberg) R.E.Norris

Heterokontophyta

Chilionema ocellatum (Kützing) Kornmann
Dictyopteris camiguinensis Tak.Tanaka
Dictyota anastomosans Steen *et al.* nom. nud.

Note: Steen *et al.* (2015) cited this species; however, it has never been validly published.

Hincksia conifera (Børgesen) I.A.Abbott

Myrionema strangulans Greville

Sargassum feldmannii P.H.Hô

Sargassum swartzii C.Agardh ヒラエモク

Sphacelaria novae-hollandiae Sonder

Turbinaria condensata Sonder

3. Doubtful records based on early literature

Note: Although reported between the 1800s and the early 1900s, there have been no records of these taxa since Okamura (1936).

Chlorophyta

Bryopsis caespitosa Suhr ex Kützing ケハネモ

Note: This species was first recorded by Yendo (1915), but no subsequent reports have appeared since Okamura (1936).

Bryopsis plumosa var. *condensata* Kjellman

Note: Although described by Kjellman (1897) from Japan, no subsequent reports have appeared since Okamura (1936).

Caulerpa okamurae f. *minor* S.Narita

Note: Although described by Narita (1915) from Japan, this form has not been reported subsequently.

Caulerpa sedoides C.Agardh キクノリ

Note: This species was first recorded by De Toni (1895a), but no subsequent reports have appeared since Matsumura (1904).

Chaetomorpha macrotona Suringar

Note: Although described by Suringar (1867) from Japan, no subsequent reports have appeared since Okamura (1936).

Cladophora rhizoplea Kjellman

Note: Although described by Kjellman (1897) from Japan, no subsequent reports have appeared since Okamura (1916).

Codium divaricatum f. *cylindricum* S.Narita

Codium divaricatum f. *dilatatum* S.Narita

Note: Although described by Narita (1914) from Japan, these forms have not been reported subsequently.

Enteromorpha flexuosa var. *angulosa* Kjellman

Note: Although described by Kjellman (1897) from Japan, no subsequent reports have appeared since Okamura (1936).

Halimeda papyracea Zanardini

Note: This species was first recorded by Kjellman (1897), but no subsequent reports have appeared since Matsumura (1904).

Monostroma grevillei var. *vahllei* (J.Agardh) Rosenvinge
[≡ *Monostroma vahllei* J.Agardh]

Note: This variety was first recorded by Yendo (1917b as *Monostroma vahllei*), but no subsequent reports have appeared since Okamura (1936).

Monostroma sp.

[*Monostroma lactuca* auct. non (Linnaeus) J.Agardh:
Hariot (1891)]

Note: This species was first recorded by Hariot (1891 as *Monostroma lactuca*), but no subsequent reports have appeared since Okamura (1902). *Monostroma lactuca* is currently treated as a homotypic synonym of *Ulva lactuca*; however, its characteristic was described by Okamura (1902) as *Monostroma*. Therefore, its identification in Japan is uncertain.

Phycoseris lapathifolia Kützing

Note: This species was recorded by Martens (1868) in Yokohama, Japan. De Toni (1895a) treated it as a heterotypic synonym of *Ulva lactuca*; however, the current distribution of *U. lactuca* is subarctic region in Japan. Therefore, the identity of *P. lapathifolia* reported by Martens (1868) is uncertain.

Urospora acrogona Kjellman

Note: Although described by Kjellman (1897) from Japan, no subsequent reports have appeared since Okamura (1936).

Rhodophyta

Acrochaetium crassipes (Børgesen) Børgesen

Note: This variety was first recorded by Yendo (1917b), but no subsequent reports have appeared since Okamura (1936).

Antithamnion gracilentum (Harvey) J.Agardh

Note: This species was first recorded by Okamura (1916), but no subsequent reports have appeared.

Brachycladia australis var. *dilatata* (Kützing) Okamura

Note: The new combination of this variety was conducted by Okamura (1897), but no subsequent reports have appeared. Although its taxonomic identity is uncertain, it should be treated as a homotypic synonym of *Dichotomaria*

marginata var. *dilatata*.

Ceramium miniatum Suhr ex J. Agardh nom. illeg.

Note: This species was first recorded by Heydrich (1894), but no subsequent reports have appeared since Okamura (1916). Okamura (1936) noted that the status of this species in Japan is uncertain.

Champia zonata (J. Agardh) J. Agardh

Note: This species was first recorded by Yendo (1917b), but no subsequent reports have appeared. Okamura (1936) noted that the status of this species in Japan is uncertain.

Cheilosporum californicum (Decaisne) Yendo アメリカ シコロ

[= *Amphiroa californica* Decaisne]

Note: This species was first recorded by Harvey (1857 as *Amphiroa californica*), but no subsequent reports have appeared since Okamura (1936). Yendo (1916) and Okamura (1936) cited it with ‘?’.

Cheilosporum frondescens (Postels & Ruprecht) Yendo ヒラシコロ

[= *Corallina frondescens* Postels & Ruprecht]

[= *Arthrocardia frondescens* (Postels & Ruprecht) Areschoug]

Note: This species was first recorded by Martens (1868 as *Corallina frondescens*), but no subsequent reports have appeared since Okamura (1936). Yendo (1916a) and Okamura (1936) noted that the status of this species in Japan is uncertain.

Chondrococcus ambiguus (J. Agardh) Heydrich

Note: This species was first recorded by Okamura (1897), but no subsequent reports have appeared since Matsumura (1904). Okamura (1902) cited it with ‘?’.

Chondrus crispus var. *patens* Duby

Note: This variety was first recorded by Martens (1868), but no subsequent reports have appeared since Matsumura (1904).

Chondrus platynus (C. Agardh) Ruprecht

Note: This species was first recorded by Martens (1868), but no subsequent reports have appeared since Okamura (1916). Okamura (1902, 1916) cited it with ‘?’.

Corallina chilensis Decaisne

[= *Corallina officinalis* var. *chilensis* (Decaisne) Kützinger]

Note: This species was first recorded by Yendo (1902), but no subsequent reports have appeared since Yendo (1905a).

Corallina mediterranea Areschoug

[= *Corallina officinalis* var. *mediterranea* (Areschoug)

Hauck nom. illeg.]

Note: This species was first recorded by Holmes (1896), but no subsequent reports have appeared since Okamura (1936). Yendo (1916a) noted that no specimen was collected in Japan.

Dasya ramosissima Harvey

Note: This species was first recorded by De Toni (1895), but no subsequent reports have appeared since Matsumura (1904).

Furcellaria fastigiata (Turner) J.V. Lamouroux

[= *Fastigiaria furcellata* (Linnaeus) Stackhouse]

Note: This species was first recorded by Hariot (1891 as *Fastigiaria furcellata*), but no subsequent reports have appeared since Matsumura (1904). Okamura (1902) noted that it appears to be a misidentification of *Polyopes polydeoides*.

Galaxaura lapidescens var. *villosa* J. Agardh

Note: This variety was first recorded by Okamura (1897), but no subsequent reports have appeared.

Gelidium corneum var. *hystrix* J. Agardh

Note: This variety was first recorded by Heydrich (1894), but no subsequent reports have appeared since Matsumura (1904).

Gelidium corneum var. *pinnatum* (Hudson) Turner

Note: This variety was first recorded by Martens (1868), but no subsequent reports have appeared since Matsumura (1904).

Gelidium rigidum var. *radicans* (Bory) J. Agardh

Note: This variety was first recorded by Okamura (1897), but no subsequent reports have appeared.

Gracilaria lingula J. Agardh

Note: This species was first recorded by Yendo (1917b), but no subsequent reports have appeared.

Gymnogongrus furcellatus (C. Agardh) J. Agardh nom. illeg.

Note: This species was first recorded by Harvey (1857), but no subsequent reports have appeared.

Gymnogongrus patens (Goodenough & Woodward) J. Agardh

Note: This species was first recorded by Holmes (1896),

but no subsequent reports have appeared since Matsumura (1904).

Halarachnion ligulatum (Woodward) Kützing

[≡ *Halymenia ligulata* (Woodward) C.Agardh]

Note: This species was first recorded by Hariot (1891), but no subsequent reports have appeared since Matsumura (1904).

Halurus equisetifolius (Lightfoot) Kützing

Note: This species was first recorded by Hariot (1891), but no subsequent reports have appeared since Okamura (1916).

Hooperia baileyana (Harvey) J.Agardh

Note: This species was first recorded by Yendo (1917a), but no subsequent reports have appeared.

Hypnea hamulosa (Esper) J.V.Lamouroux

Note: This species was first recorded by Heydrich (1894 as *Hypnea spinella*), but no subsequent reports have appeared since Okamura (1936). Okamura (1936) treated *H. spinella* as a heterotypic synonym of *H. hamulosa*. However, Okamura (1936) noted that the identity of this species is inaccurate.

Kallymenia latissima (Kützing) Okamura ex Matsumura

[≡ *Euhymenia latissima* Kützing]

Note: This species was first recorded by Martens (1868 as *Euhymenia latissima*), but no subsequent reports have appeared since Matsumura (1904).

Kallymenia reniformis (Turner) J.Agardh

[≡ *Euhymenia reniformis* (Turner) Kützing]

Note: This species was first recorded by Martens (1868 as *Euhymenia reniformis*), but no subsequent reports have appeared since Matsumura (1904).

Laurencia distichophylla J.Agardh

Note: This species was first recorded by Yendo (1916c), but no subsequent reports have appeared.

Laurencia tuberculosa J.Agardh

Note: This species was first recorded by Okamura (1902), but no subsequent reports have appeared since Okamura (1916).

Laurencia virgata (C.Agardh) J.Agardh

Note: This species was first recorded by Harvey (1857), but no subsequent reports have appeared since Okamura (1916).

Liagora viscida (Forsskål) C.Agardh メコナハダ

Note: This species was first recorded by Okamura (1897), but no subsequent reports have appeared since Okamura (1936).

Mastocarpus klenzeanus Kützing

Note: This species was first recorded by Martens (1868), but no subsequent reports have appeared since Matsumura (1904).

Nemalion attenuatum J.Agardh

Note: Hariot (1891) recorded this species in Yokosuka, Kanagawa Prefecture, Japan. According to Okamura (1936), Dr. Kichisaburo Yendo demonstrated that *N. attenuatum* recorded by Hariot (1891) is *Helminthocladia yendoana*, whereas Dr. Yukio Yamada demonstrated that it is *H. australis*. In any case, *N. attenuatum* is a misapplied name.

Nitophyllum acrospermum var. *japonicum* Grunow

Note: Although described by Grunow (1874) from Japan, no subsequent reports have appeared since Okamura (1916).

Nitophyllum laceratum (S.G.Gmelin) Greville ツヅレウ
スバノリ

Note: This species was first recorded by Okamura (1902), but no subsequent reports have appeared since Okamura (1916).

Phyllophora japonica Yendo

Note: This species was first recorded by Yendo (1920), but no subsequent reports have appeared since Okamura (1936). According to Yoshida (1991), its specimens, including type, were absent.

Polyides rotunda (Hudson) Gaillon

Note: This species was first recorded by Okamura (1902), but no subsequent reports have appeared since Matsumura (1904). Okamura (1902) noted that it appears to be a misidentification of *Polyopes polydeoides*.

Polysiphonia calothrix Harvey

Note: This species was first recorded by Okamura (1897), but no subsequent reports have appeared.

Polysiphonia elongella Harvey

Note: This species was first recorded by Martens (1868), but no subsequent reports have appeared since Okamura (1936). Segi (1951) noted that its distribution in Japan is doubtful.

Polysiphonia yokoskensis Hariot

Note: Although described by Hariot (1891) from Japan, no subsequent reports have appeared since Okamura (1936).

Prionitis australis (J.Agardh) J.Agardh

Note: This species was first recorded by Yendo (1916c) as ‘*Prionitis australis* J.Ag.?’ but no subsequent reports have appeared. Okamura (1936) noted that the specimen of it made by Dr. Yendo is *Carpopeltis*.

Rhodymenia palmetta f. *filiformis* Kützinger nom. inval

Note: This form was first recorded by Okamura (1916), but no subsequent reports have appeared.

Sphaerococcus confervoides var. *procerrimus* (Esper)

C.Agardh

Note: This variety was first recorded by Martens (1868), but no subsequent reports have appeared since Matsumura (1904).

Heterokontophyta

Asperococcus echinatus (Mertens ex Roth) C.Agardh

Note: This species was first recorded by Okamura (1902), but no subsequent reports have appeared since then.

Okamura (1936) treated it as ‘*Asperococcus* sp.’.

Cystoseira sonderi (Kützinger) Piccone

[≡ *Treptacantha sonderi* Kützinger]

Note: This species was first recorded by Dickie (1877 as *Treptacantha sonderi*), but no subsequent reports have appeared since Matsumura (1904).

Cystoseira spicigera C.Agardh

Note: This species was first recorded by Dickie (1877), but no subsequent reports have appeared since Matsumura (1904). Yendo (1916b) noted that no specimen of it was collected in Japan.

Fucus filiformis f. *pylasei* (J.Agardh) Kjellman

[*Fucus leptophyllus* auct. non Kützinger: Dickie (1877)]

Note: Dickie (1877) recorded *Fucus leptophyllus* from Japan. Okamura (1902) treated *F. leptophyllus* as a heterotypic synonym of this form, but no subsequent reports have appeared. Yendo (1916b) noted that *F. leptophyllus* recorded by Dickie (1877) is a misidentification of the basal part of *Myagropsis myagroides*.

Haliseris angustissima Okamura ホソヤハズ

Note: Although described by Okamura (1902) from Japan, no subsequent reports have appeared since Matsumura (1904).

Laminaria bongardiana Postels & Ruprecht

[≡ *Hafgygia bongardiana* (Postels & Ruprecht) Kützinger]

Note: This species was first recorded by Martens (1868 as *Hafgygia bongardiana*), but no subsequent reports have appeared since Matsumura (1904). Okamura (1902) noted that it is a misidentification of some kind.

Laminaria radicata f. *illobata* Okamura シワメ

Note: Although described by Okamura (1896) from Japan, no subsequent reports have appeared since Okamura (1916).

Saccharina japonica f. *angusta* (Okamura) S.Akita,

Chizaki & H.Mizuta

[≡ *Laminaria japonica* f. *angusta* Okamura]

Note: Although described by Okamura (1896) from Japan, no subsequent reports have appeared until Akita *et al.* (2026). Akita *et al.* (2026) transferred it to *Saccharina*.

Sargassum cervicorne Greville

[*Sargassum cinctum* auct. non J.Agardh: Yendo (1907) ヒユウガモク]

Note: This species was first recorded by Yendo (1907 as *Sargassum cinctum*), but no subsequent reports have appeared since Yendo (1917b).

Sargassum comosum Montagne

Sargassum confervoides Kuntze

Sargassum cylindrocystum Figari & De Notaris

Sargassum heterophyllum C.Agardh

Sargassum peronii (Mertens ex Turner) C.Agardh

Sargassum pterocaulon Kuntze

Sargassum pyriforme (Poirlet) C.Agardh

Sargassum taeniatum Kuntze nom. illeg.

Sargassum verruculosum C.Agardh

Sargassum vulgare var. *heterophyllum* (Turner) Suhr

Note: These species and variety were first recorded by Kuntze (1880), but no subsequent reports have appeared since Matsumura (1904).

Sargassum filifolium (C.Agardh) C.Agardh

[≡ *Fucus filifolius* C.Agardh]

[≡ *Carpacanthus filifolius* (C.Agardh) Endlicher]

[≡ *Cystophyllum filifolium* (C.Agardh) J.Agardh]

[≡ *Sirophysalis filifolia* (C.Agardh) Kützinger]

Note: Although described by Agardh (1812 as *Fucus filifolius*) from Japan, no subsequent reports have appeared since Okamura (1902 as *Cystophyllum filifolium*). Yendo

(1916b) noted a similarity between this species and *Cystophyllum hakodatense* (currently *Stephanocystis hakodatensis*).

Sargassum gracile J.Agardh

Note: This species was first recorded by Suringar (1867), but no subsequent reports have appeared since Matsumura (1904).

Sargassum gracillimum Reinbold

Note: This species was first recorded by Yendo (1917b), but no subsequent reports have appeared since Okamura (1936). Okamura (1936) noted that the records of this species in Japan are uncertain and highlighted a similarity between this species and *Sargassum hemiphyllum* or *S. nipponicum*.

Sargassum japonicum Sonder ex Grunow nom. illeg.

Note: Although described by Grunow (1916) from Japan, no subsequent reports have appeared. This is a later homonym of *Sargassum japonicum* (G.Martens) Kuntze.

Sargassum obtusatum Bory

Sargassum onustum (Mertens) C.Agardh

Note: These species were first recorded by Kuntze (1880), but no subsequent reports have appeared.

Sargassum paniculatum J.Agardh

Note: This species was first recorded by Okamura (1897), but no subsequent reports have appeared since Matsumura (1904).

Sargassum piluliferum var. *capillaris* (Suringar) Kuntze

[≡ *Sargassum piluliferum* f. *capillaris* Suringar]

Note: Although described by Suringar (1870 as f. *capillaris*) from Japan, no subsequent reports have appeared since Kuntze (1880).

Sargassum piluliferum var. *patulum* Grunow

Note: Although described by Grunow (1915) from Japan, no subsequent reports have appeared. Yoshida (1998) noted that its taxonomic status remains poorly understood.

Sargassum scoparium var. *aerocysti-minus* (Suringar) Kuntze nom. inval.

[*Halochloa scoparia* f. *aerocysti-minor* Suringar nom. inval.]

Note: This variety was first recorded by Suringar (1870 as *Halochloa scoparia* f. *aerocysti-minor*), but no subsequent reports have appeared since Matsumura (1904). *Halochloa scoparia* f. *aerocysti-minor* and this variety have never

been validly published.

Sargassum vulgare var. *foliosissimum* (J.V.Lamouroux)

C.Agardh

Note: This variety was first recorded by Yendo (1907), but no subsequent reports have appeared since Okamura (1936).

Scytosiphon lomentaria var. *filiformis* (Ruprecht) De Toni

[≡ *Haplosiphon filiformis* Ruprecht]

Note: This variety was first recorded by Martens (1868 as *Haplosiphon filiformis*) in Nagasaki, Japan. This variety should be treated as a homotypic synonym of *Analipus filiformis*; however, the current distribution of *A. filiformis* is subarctic region in Japan. Therefore, the identity of *Scytosiphon lomentaria* var. *filiformis* reported by Martens (1868) and De Toni (1895a) is uncertain.

Sorocarpus crassus f. *erectus* Takamatsu

Sorocarpus crassus f. *intricatus* Takamatsu

Sorocarpus crassus f. *tenellus* Takamatsu

Sorocarpus parvus f. *virens* Takamatsu

Sorocarpus uviformis f. *japonicus* Takamatsu

Note: Although described by Takamatsu (1936) from Japan, no subsequent reports have appeared.

4. Taxa excluded under ICN Art. 24.3

Note: The following taxa were published to indicate the type-containing infraspecific taxon using prohibited epithets. Under ICN Art. 24.3 (Turland *et al.*, 2025), these are not validly published. The taxonomic entities are represented by their respective autonyms.

Chlorophyta

Caulerpa cupressoides var. *typica* Weber-van Bosse nom. inval.

Caulerpa peltata var. *typica* Weber-van Bosse nom. inval.

Caulerpa taxifolia f. *typica* Svedelius nom. inval.

Codium fragile var. *typicum* Schmidt nom. inval.

Enteromorpha bulbosa f. *genuina* Kjellman nom. inval.

Halimeda incrassata f. *typica* Barton nom. inval.

Halimeda opuntia f. *typica* Barton nom. inval.

Halimeda tuna var. *typica* Barton nom. inval.

Rhodophyta

Campylaeophora crassa f. *typica* Y.Nakamura nom. inval.

Campylaeophora hypnaeoides f. *typica* Y.Nakamura nom. inval.

Ceramium kondoi f. *typicum* Y.Nakamura nom. inval.

Chondria armata var. *typica* Børgesen nom. inval.

Chondrus crispus var. *genuinus* Kützinger nom. inval.

Chondrus ocellatus f. *typicus* Okamura nom. inval.

Gelidium amansii f. *typicum* Okamura nom. inval.

Porphyra tenera f. *typica* Ueda nom. inval.

Rhodymenia palmata f. *typica* Kjellman nom. inval.

Heterokontophyta

Chordaria flagelliformis f. *typica* Kjellman nom. inval.

Colpomenia sinuosa f. *typica* Setchell & N.L.Gardner nom. inval.

Ectocarpus confervoides f. *typicus* Kuckuck nom. inval.

Elachista fucicola var. *typica* Rosenvinge nom. inval.

Laminaria japonica f. *typica* Okamura nom. inval.

Pelvetia wrightii f. *typica* Yendo nom. inval.

Sargassum micracanthum f. *typicum* Yendo nom. inval.

Sargassum thunbergii f. *typicum* Yendo nom. inval.

Sorocarpus crassus f. *typicus* Takamatsu nom. inval.

Sorocarpus parvus f. *typicus* Takamatsu nom. inval.

Sorocarpus uviformis f. *typicus* Takamatsu nom. inval.

Sphaerotrichia divaricata f. *typica* Inagaki nom. inval.

Undaria pinnatifida f. *typica* Yendo nom. inval.

5. Taxa excluded for other taxonomic or nomenclatural reasons

Chlorophyta

Cladophora rupestris (Linnaeus) Kützinger マガイツヤナシシオグサ

Note: Although *Cladophora rupestris* (currently *Rama rupestris*) has been recorded in Japan (Yoshida *et al.*, 2015), Hoek & Chihara (2000) confirmed that no voucher specimens have been collected from this region. Therefore, its taxonomic status in Japan cannot be verified, and it is excluded from the present checklist.

Rhodophyta

Cordylecladia irregularis Harvey

Note: Heydrich (1894) recorded this species in Miyakojima Island, Japan. *Cordylecladia irregularis* is currently treated as a homotypic synonym of *Coelothrix irregularis*; however, the description of Okamura's (1916) description likely refers to *Ceratodictyon* rather than *Coelothrix*. Given

this uncertainty, its taxonomic identity in Japan cannot be verified, and the record is excluded from the present checklist.

Hypoglossum sorsile Yamada nom. nud. ヒレベニハノリ

Note: Yagi (1961) cited this species, but it lacks a valid description (*nomen nudum*) and its taxonomic status is uncertain. Consequently, it is excluded from the present checklist.

Pleonosporium venustissimum (Montagne) De Toni コバンクスダマ

Note: This species was first reported by Yendo (1917a), but no subsequent records have appeared. Yoshida (1998) noted that the description in Yendo (1917a) differs from that of *Pleonosporium venustissimum*; therefore, its taxonomic identity in Japan cannot be verified. Consequently, it is excluded from the present checklist.

Polysiphonia brodiei (Dillwyn) Sprengel オオイトグサ

Note: This species was first reported by Segi (1951), but no subsequent records have appeared. Yoshida (1998) noted that no voucher specimens corresponding to *Polysiphonia brodiei* have been collected in Japan; therefore, its taxonomic identity in Japan cannot be verified. Consequently, it is excluded from the present checklist.

Heterokontophyta

Alaria paradisea (Miyabe & Nagai) Widdowson フウチヨウワカメ

Note: This species was first recorded from a floating aquaculture raft but has not been found on natural coasts in Japan (Yamamoto & Torii, 1983). Furthermore, Yotsukura (2010) did not recognize this taxon as a member of the Japanese kelp flora. Consequently, it is excluded from the present checklist.

Dilophus radicans Okamura ヒメフクリン

Note: Fan (1953) identified this species as the *Vaughaniella*-stage of *Padina*. As it represents a developmental stage rather than an independent taxon, it is excluded from the present checklist.

Eualaria fistulosa (Postels & Ruprecht) M.J.Wynne オニワカメ

[≡ *Alaria fistulosa* Postels & Ruprecht]

Note: This species was first recorded from a floating aquaculture raft but has not been found on natural coasts in

Japan, except for drift specimens (Yamamoto & Torii, 1983; Arai 2025). Furthermore, Yotsukura (2010) did not recognize this taxon as a member of the Japanese kelp flora. Consequently, it is excluded from the present checklist.

Ralfsia bornetii Kuckuck

Ralfsia tenuis Kylin

Note: According to Fletcher (1987), *Ralfsia bornetii* and *R. tenuis* are the sporophytes of *Stragularia clavata*. Since it is considered a life-history stage rather than an independent

species, it is excluded from the present checklist.

Sargassum polycystum var. *muricatum* Harvey nom. nud.

Note: Dawson (1959) cited this variety based on Harvey's report on the marine algae of the United States North Pacific Exploring Expedition (1853–1856); however, there have been no subsequent records. Furthermore, it has never been validly published or reported from Japan.

Consequently, it is excluded from the present checklist.

New name and new combinations

Chlorophyta

Codium subtubulosum f. *hybridum* (Okamura)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Codium divaricatum* f. *hybridum* Okamura,

Icones of Japanese algae. Vol. 3, no. 8, p. 157. 1915.

Remarks: Silva *et al.* (1997) demonstrated that *Codium subtubulosum* is the correct name for the Japanese specimens formerly referred to as *C. divaricatum*.

Accordingly, the transfer of *C. divaricatum* f. *hybridum* to *C. subtubulosum* is here proposed.

Ulvella hypoglossiae (Noda) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Entocladia hypoglossiae* Noda, Bulletin of the Niigata College of Pharmacy 1, p. 27. Fig. 1. 1981.

Remarks: Following the transfer of *Entocladia viridis* (the type species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013), the transfer of *E. hypoglossiae* to *Ulvella* is here proposed.

Ulvella nodae Mas.Suzuki & Kitayama nom. nov.

Replaced synonym: *Entocladia cladophorae* Noda, Science Reports of Niigata University Series D (Biology) 5, p. 57. Fig. 5. 1968.

Note: Following the transfer of *Entocladia viridis* (the type species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013), *E. cladophorae* was transferred to *Ulvella*. However, the binomial *Ulvella cladophorae* (Hornby) A.C.Mathieson & Dawes already exists (Mathieson & Dawes, 2017), a new name with a new epithet is required for the species (Turland *et al.*, 2025, Art. 11.4 and 53.1). Therefore, a new name is here proposed.

Ulvella polysiphoniae (Setchell & N.L.Gardner)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Entocladia polysiphoniae* Setchell & N.L.Gardner, Proceedings of the California Academy of Science, Fourth Series 12, p. 718. Pl. 13, Fig. 18. 1924.

Remarks: Following the transfer of *Entocladia viridis* (the type species of *Entocladia*) to *Ulvella* by Nielsen *et al.* (2013), the transfer of *E. polysiphoniae* to *Ulvella* is here

proposed.

Rhodophyta

Calliblepharis saidana f. *gracilis* (Tak.Tanaka)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Hypnea saidana* f. *gracilis* Tak.Tanaka,

Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University 2, p. 240. Pl. 53, Fig. 3. 1941.

Remarks: Following the transfer of *Hypnea saidana* to *Calliblepharis* by Yang & Kim (2017), the transfer of *H. saidana* f. *gracilis* to *Calliblepharis* is here proposed.

Campylaephora kondoi f. *abbreviata* (Y.Nakamura)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ceramium kondoi* f. *abbreviatum* Y.Nakamura, Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University 3, p. 164. 1950.

Campylaephora kondoi f. *ambigua* (Y.Nakamura)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ceramium kondoi* f. *ambiguum* Y.Nakamura, Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University 3, p. 164. 1950.

Campylaephora kondoi f. *trichotoma* (Y.Nakamura)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ceramium kondoi* f. *trichotomum* Y.Nakamura, Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University 3, p. 164. 1950.

Remarks: Following the transfer of *Ceramium kondoi* to *Campylaephora* by Barros-Barreto *et al.* (2023), the transfers of *Ce. kondoi* f. *abbreviatum*, f. *ambiguum*, and f. *trichotomum* to *Campylaephora* are here proposed.

Chroodactylon echigoense (Noda) N.Kikuchi comb. nov.

Basionym: *Asterocytis echigoensis* Noda, Science Reports of Niigata University Series D (Biology) 9, p. 5. Fig. 5. 1972.

Remarks: Following the synonymization of *Asterocytis ramosa* (the type species of *Asterocytis*) with *Chroodactylon ornatum* by Brodie & Irvine, 2003, the transfer of *A. echigoensis* to *Chroodactylon* is here proposed.

Chroodactylon echigoense* f. *simplex (Noda & K.Konno) N.Kikuchi comb. nov.

Basionym: *Asterocytis echigoensis* f. *simplex* Noda & K.Konno in Noda, Science Reports of Niigata University Series D (Biology) 12, p. 39. Fig. 8, no. 2. 1975.

Remarks: Following the synonymization of *Asterocytis ramosa* (the type species of *Asterocytis*) with *Chroodactylon ornatum* by Brodie & Irvine, 2003, the transfer of *A. echigoensis* f. *simplex* to *Chroodactylon* is here proposed.

Dasysiphonia japonica* f. *nipponica (Yendo)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Heterosiphonia japonica* f. *nipponica* Yendo, Botanical Magazine, Tokyo 34, p. 9. 1920.

Remarks: Following the transfer of *Heterosiphonia japonica* to *Dasysiphonia* by Kim (2012), the transfer of *H. japonica* f. *nipponica* to *Dasysiphonia* is here proposed.

Eucheuma denticulatum* f. *depauperatum (Weber-van Bosse) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Eucheuma muricatum* f. *depauperatum* Weber-van Bosse, Siboga-Expeditie Monographie 59d, p. 415. Pl. 12, Fig. 5. 1928.

Eucheuma denticulatum* f. *incrassatum (Yamada)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Eucheuma muricatum* f. *incrassatum* Yamada, Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University 1, p. 124. Fig. 4. 1936.

Remarks: *Eucheuma muricatum* is considered a heterotypic synonym of *E. denticulatum* (Yoshida *et al.*, 2015).

Accordingly, the transfers of *E. muricatum* f. *depauperatum* and f. *incrassatum* to *E. denticulatum* are here proposed.

Gelidium elegans* f. *elatum (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Gelidium amansii* f. *elatum* Okamura, Journal of the Imperial Fisheries Institute 29, p. 56. Pl. 21. 1934b.

Remarks: Yoshida (1992) demonstrated that the Japanese

records of *Gelidium amansii* represent a distinct species and assigned them to *G. elegans*. Accordingly, the transfer of *G. amansii* f. *elatum* to *G. elegans* is here proposed.

Gelidium elegans* f. *elongatum (Segi) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Gelidium purpurascens* f. *elongatum* Segi, Journal of the Faculty of Fisheries, Prefectural University of Mie 2, p. 134. Figs 4, 5, 8, 9. Pls 8, 9, 11, 12. 1955.

Remarks: Yoshida (1998) suggested that *Gelidium purpurascens* recorded by Segi (1955) is a misapplied name for *G. elegans*. Accordingly, the transfer of *G. purpurascens* f. *elongatum* to *G. elegans* is here proposed.

Gelidium elegans* f. *pinnatum (Segi) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Gelidium purpurascens* f. *pinnatum* Segi, Journal of the Faculty of Fisheries, Prefectural University of Mie 2, p. 134. Figs 6, 7, 10. Pls 10, 13. 1955.

Remarks: Yoshida (1998) suggested that *Gelidium purpurascens* recorded by Segi (1955) is a misapplied name for *G. elegans*. Accordingly, the transfer of *G. purpurascens* f. *pinnatum* to *G. elegans* is here proposed.

Gelidium elegans* f. *teretiusculum (Okamura)

Mas.Suzuki & Kitayama comb. nov.

Basionym: *Gelidium amansii* f. *teretiusculum* Okamura, Journal of the Imperial Fisheries Institute 29, p. 56. Pl. 22; Pl. 31, Figs 6, 7. 1934b.

Remarks: Yoshida (1992) demonstrated that the Japanese records of *Gelidium amansii* represent a distinct species and assigned them to *G. elegans*. Accordingly, the transfer of *G. amansii* f. *teretiusculum* to *G. elegans* is here proposed.

Gracilariopsis chorda* var. *exilis (H.Yamamoto)

R.Terada comb. nov.

Basionym: *Gracilaria chorda* var. *exilis* H.Yamamoto in Aboott (ed.) Taxonomy of Economic Seaweeds. Vol. 5, p. 210, 211. Figs 6, 7. 1995.

Remarks: *Gracilaria chorda* is considered a member of *Gracilariopsis* (Yoshida *et al.*, 2015). Accordingly, the transfer of *G. chorda* var. *exilis* to *Gracilariopsis* is here proposed.

Hydrolithon sargassi* f. *parvulum (T.Masaki) Chihara ex M.Baba & A.Kato comb. nov.

Basionym: *Heteroderma sargassi* f. *parvulum* T.Masaki, Memoirs of the Faculty of Fisheries Hokkaido University, 16, p. 26. Pl. 13, Fig. 2. 1968.

Remarks: *Heteroderma sargassi* was transferred to *Hydrolithon* by Chamberlain (1994). Subsequently, Chihara (2002) cited '*Hydrolithon sargassi* f. *parvulum* (T.Masaki) Chihara'; however, the transfer of *He. sargassi* f. *parvulum* from *Heteroderma* to *Hydrolithon* was never validly published. Therefore, the transfer of *He. sargassi* f. *parvulum* to *Hydrolithon* is here proposed.

Mazzaella japonica* f. *divergens (Nagai) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Rhodoglossum pulchrum* f. *divergens* Nagai, Journal of the Faculty of Agriculture, Hokkaido Imperial University, 46, p. 194. 1941.

Remarks: Mikami (1965) transferred *Rhodoglossum pulchrum* f. *divergens* to *R. japonicum* f. *divergens*. Since *R. japonicum* was transferred to *Mazzaella* by Hommersand *et al.* (1993), the transfer of *R. pulchrum* f. *divergens* to *M. japonica* is here proposed.

Polyopes affinis* f. *minutus (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Carpopeltis affinis* f. *miunuta* Okamura, Icones of Japanese algae. Vol. 7, no. 4, p. 30. Pl. 316, Figs 12–14. 1934a.

Remarks: Following the transfer of *Carpopeltis affinis* to *Polyopes* by Kawaguchi *et al.* (2002), the transfer of *C. affinis* f. *minuta* to *Polyopes* is here proposed.

Prionitis imbricata* f. *flabellata (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Grateloupia imbricata* f. *flabellata* Okamura, Icones of Japanese algae. Vol. 7, no. 4, p. 29. 1934a.

Remarks: Following the transfer of *Grateloupia imbricata* to *Prionitis* by Rodríguez-Prieto & Lin (2024), the transfer of *G. imbricata* f. *flabellata* to *Prionitis* is here proposed.

Pyropia katadae* var. *hemiphylla (C.K.Tseng & T.J.Chang) N.Kikuchi & Tamaki comb. nov.

Basionym: *Porphyra katadae* var. *hemiphylla* C.K.Tseng & T.J.Chang, Oceanologia et Limnologia Sinica, 9, p. 78, 79. Fig. 2. Pl. 1, Figs 2, 3. 1978.

Remarks: Following the transfer of *Porphyra katadae* to *Pyropia* by Sutherland *et al.* (2011), the transfer of *Po.*

katadae var. *hemiphylla* to *Pyropia* is here proposed.

Pyropia suborbiculata* f. *latifolia (Tak.Tanaka) N.Kikuchi comb. nov.

Basionym: *Porphyra suborbiculata* f. *latifolia* Tak.Tanaka, Memoirs of the Faculty of Fisheries, Kagoshima University, 2, p. 34. Pl. 3. Fig. 3. 1952.

Remarks: Following the transfer of *Porphyra suborbiculata* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. suborbiculata* f. *latifolia* to *Pyropia* is here proposed.

Pyropia tenera* f. *kjellmanii (Ueda) N.Kikuchi comb. nov.

Basionym: *Porphyra tenera* f. *kjellmanii* Ueda, Suiko-Kenkyu-Hokoku 28, p. 22. Pl. 4, Figs 3, 4. Pl. 16, Fig. 1. 1932.

Remarks: Following the transfer of *Porphyra tenera* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. tenera* f. *kjellmanii* to *Pyropia* is here proposed.

Pyropia yezoensis* f. *coreana (Ueda) N.Kikuchi comb. nov.

Basionym: *Porphyra yezoensis* f. *coreana* Ueda, Suiko-Kenkyu-Hokoku 28, 24. Pl. 5, Figs 1-5. Pl. 17, Fig. 1. 1932.

Remarks: Following the transfer of *Porphyra yezoensis* to *Pyropia* by Sutherland *et al.* 2011, the transfer of *Po. yezoensis* f. *coreana* to *Pyropia* is here proposed.

Reinboldiella schmitziana* var. *erecta (Yamada) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Carpoblepharis schmitziana* var. *erecta* Yamada, Journal of the Faculty of Science, Hokkaido Imperial University, Series 5, 2, p. 273. Pl. 6, Fig. c. 1932.

Remarks: *Carpoblepharis schmitziana* is considered a member of *Reinboldiella* (Yoshida *et al.*, 2015). Accordingly, the transfer of *C. schmitziana* var. *erecta* to *Reinboldiella* is here proposed.

Tsengia nakamurae* var. *membranacea (Yendo) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Nemastoma nakamurae* var. *membranaceum* Yendo, Botanical Magazine, Tokyo 34, p. 11. 1920.

Remarks: Following the transfer of *Nemastoma nakamurae* to *Tsengia* by Fan & Fan (1962), the transfer of *N. nakamurae* var. *membranaceum* to *Tsengia* is here proposed.

Heterokontophyta

Botrytella pacifica* f. *minuta (Kurogi) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Polytretus reinboldii* f. *minutus* Kurogi, Journal of the Faculty of Science Hokkaido University, Series V (Botany) 11, p. 246. Pl. 7. 1978.

Remarks: Kim (2010) suggested that *Polytretus reinboldii* recorded in Japan and South Korea is a misapplied name for *Botrytella pacifica*. Accordingly, the transfer of *P. reinboldii* f. *minutus* to *B. pacifica* is here proposed.

Ecklonia cava* f. *contorta (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ecklonia kurome* f. *contorta* Okamura, Nippon Kaisoshi [Descriptions of Japanese algae], p. 272. 1936.

Ecklonia cava* f. *latissima (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ecklonia kurome* f. *latissima* Okamura, Nippon Kaisoshi [Descriptions of Japanese algae], p. 272. 1936.

Ecklonia cava* f. *plana (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Ecklonia kurome* f. *plana* Okamura, Nippon Kaisoshi [Descriptions of Japanese algae], p. 272. 1936.

Remarks: *Ecklonia kurome* was reduced to a subspecies of *E. cava* by Akita *et al.* (2020). Accordingly, the transfers of *E. kurome* f. *contorta*, f. *latissima*, and f. *plana* to *E. cava* are here proposed.

Ecklonia radicata* f. *elongata (Kjellman) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Laminaria radicata* f. *elongata* Kjellman in Kjellman & Petersen, Vega-expeditionens vetenskapliga iakttagelser 4, p. 264. 1885.

Ecklonia radicata* f. *latifolia (Kjellman) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Laminaria radicata* f. *latifolia* Kjellman in Kjellman & Petersen, Vega-expeditionens vetenskapliga iakttagelser 4, p. 264. 1885.

Remarks: *Laminaria radicata* f. *elongata* and f. *latifolia* were transferred to *Eckloniopsis* by (Okamura 1936). Following the transfer of *Ep. radicata* to *Ecklonia* by Rothman *et al.* (2014), the transfers of *Ep. radicata* f. *elongata*, and f. *latifolia* to *Ecklonia* are here proposed.

Leathesia marina* f. *globosa (Takamatsu) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Leathesia globosa* Takamatsu, Saito Ho-on Kai Museum Research Bulletin 17, p. 12, 13. Fig. 8. Pl. 3, Fig. 2. 1939.

Remarks: *Leathesia globosa* was reclassified as *L. difformis* f. *globosa* by Inagaki (1958). Given that *L. difformis* was synonymized with *L. marina* by Pedroche *et al.* (2008), the transfer of *L. difformis* f. *globosa* to *L. marina* is here proposed.

Saccharina gyrata* var. *crispata (Miyabe) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Kjellmaniella gyrata* var. *crispata* Miyabe, Hokkaido Aquatic Products Investigation Reports Hokkaido Government Colonization Resources Development Department 3, p. 45. Pl. 16. 1902.

Saccharina gyrata* f. *linearis (Okamura) Mas.Suzuki & Kitayama comb. nov.

Basionym: *Laminaria gyrata* f. *linearis* Okamura, Botanical Magazine, Tokyo 10, p. 92. 1896.

Remarks: *Laminaria gyrata* was transferred to *Kjellmaniella* by Okamura (1902). Subsequently, *K. gyrata* was transferred to *Saccharina* by Lane *et al.* (2006); accordingly, the transfers of *K. gyrata* var. *crispata* and f. *linearis* to *Saccharina* are here proposed.

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Corrigenda

Page (column)	Line	Correction
p. 18 (right)	32	Insert “[<i>Cladophora glaucescens</i> var. <i>japonica</i> Harvey nom. nud.]” below “[<i>Cladophora rupestris</i> f. <i>submarina</i> auct. non Foslie: Sakai (1964)]”.
p. 64 (right)	42	Insert “ <i>Laurencia pacifica</i> Kylin” and “Note: Romero-Orozco <i>et al.</i> (2023) recorded this species in South Korea and reported its occurrence in Japan.” below “ <i>Laurencia omaezakiana</i> Masuda”.
p. 145 (left)	19	Delete “Agardh, J.G. 1901. <i>Species genera et ordines algarum.</i> apud C.W.K. Gleerup, Lundae.”.
p. 160 (left)	27	Insert “Romero-Orozco, P., Won, B.Y. & T.O.Cho 2023. Two new records of <i>Laurencia decussata</i> and <i>L. pacifica</i> from Korea based on morphological structures and molecular data. <i>Korean Journal of Environmental Biology. Section: Biodiversity & Biological Resources</i> 41: 666–676.”.
p. 177 (middle)	20	For “ <i>japonica</i> 132” read “ <i>japonica</i> 18”.
p. 191 (right)	40	Insert “ <i>Laurencia pacifica</i> 64 ” below “ <i>Laurencia omaezakiana</i> 64 ”.
p. 213 (middle)	32	Insert “イソカワラモドキ属.....111” below “イソガワラ目 121 ”.

