

Guy Hällfors

Checklist of Baltic Sea
Phytoplankton Species
(including some heterotrophic protistan groups)

21035u



Checklist of Baltic Sea Phytoplankton Species
(including some heterotrophic protistan groups)

Guy Hällfors

Finnish Institute of Marine Research
P.O. Box 33 (Asiakkaankatu 3)
00931 Helsinki
Finland
E-mail: guy.hallfors@fimr.fi

On the cover: The blue-green alga *Anabaena lemmermannii*.
Photo Seija Hällfors / FIMR

Two previous checklists of Baltic Sea phytoplankton (Hällfors 1980 (1979) and Edler *et al.* 1984) were titled "preliminary". Our knowledge of the taxonomy and distribution of Baltic Sea phytoplankton has increased considerably over the last 20 years. Much of this new information has been incorporated in this new list. Data from a number of older publications overlooked by Edler *et al.* (1984) has also been included. As a result, the number of species included has grown considerably. Especially the inclusion of more estuarine species adapted to salinities lower than those of the open Baltic Sea has increased the number of species. The new list also contains species which mainly grow in ice but form sparse planktonic populations in the beginning of the spring bloom, and species of benthic or littoral origin (whether epiphytic, epilithic, epipsammic, epipelagic, or rarely epizooic), that are occasionally found in the plankton. The benthic and littoral species are coded with an "l" in the checklist. Concerning the diatoms, especially in the order Bacillariales, it is usually impossible to tell whether the cells of such species have been alive when sampled because of the preparation techniques (including the removal of cell contents) required for an accurate determination.

Whereas the two previous lists were based to a large extent on our own unpublished information, in this list only additional *published* data has been included. Altogether the new list contains more than three times as much information as the earlier lists. Author citations have been made as complete as possible. In a complete author citation the Latin prepositions *in* and *ex* are frequently used. *In* indicates that the author has validly published a new taxon in another writer's work. The use of *ex* indicates that a name was invalid e.g. because an original description or type was not provided, but the situation was later corrected by the same or another author. In some cases the distinction between *ex* and *in* may be very fine, and requires careful study of the original publications, and sometimes even of the types, if indeed they exist any more. World War II appears to have destroyed many types. Where shorter citations are needed to save space, everything before *ex* and after *in* can be excluded, as well as the year of publication, unless nomenclatural or taxonomical changes are involved. Many journals require authorships to be cited either when the species occurs for the first time in the text, or in a summarizing table covering all the organisms mentioned. In many routine cases merely a reference to an authoritative checklist may be enough.

The factual and typographical errors found in the previous list (Edler *et al.* 1984) have been corrected, and the annotations revised. Annotations nowadays considered to be common knowledge have been deleted, while new comments have been necessary e.g. in several taxonomically complicated cases. Furthermore the list of references has been extended considerably.

Because many old original publications are no longer easily available, certain data is missing from some citations. Determining publication years has been particularly problematic. Often the year of a particular volume has been cited instead of the year when the issue in question was actually published, and these dates may differ by several years. Such problems cannot be solved without access to the individual issues. When bound, the covers of the issues are usually lost, and thereby information on the date of publication. This is a problem e.g. with Ehrenberg's publications from the mid 1800s, and A. Schmidt's Atlas from the late 1800s and early 1900s. Even the relatively recent Rabenhorst's Kryptogamenflora suffers from the same problem. In some cases an article has been divided between two issues printed in subsequent years. In rare cases even the description of a new species has been split in this way. I have tried to express this by putting an alternative publication year in brackets, or in the case of a species description being split, using a dash between the years.

The fact that organisms included in the checklist have been described either as a plant according to the International Code of Botanical Nomenclature (ICBN), or as an animal according to the corresponding zoological code (ICZN), may in some cases give rise to problems. The botanical code requires a Latin diagnosis for a name to be valid, whereas ICZN does not. Thus the validity of the name of an organism sometimes depends on whether it is today considered to be a plant or an animal. Sometimes the usage or spelling of even valid names may vary (see e.g. Vørs 1992:370). In flagellated organisms the use of two different codes is clearly a problem, when the same cell, depending on external factors, may behave as a plant (autotrophic, photosynthetic) or an animal (phagotrophic), or something in between (mixotrophic).

Arrangement of the checklist

For the purpose of the checklist the Baltic Sea has been divided into ten subareas (Fig. 1), the Bothnian Bay, the Bothnian Sea, the Archipelago Sea, the Gulf of Finland, the Gulf of Riga, the Northern Baltic proper, the Central Baltic proper, the Southern Baltic proper, the Arkona Basin, and the Kattegat and the Belt Sea area. For the abbreviations used in the checklist and below see Table 1. To facilitate the rapid location of samples well defined boundaries have been drawn, which differ somewhat from previously proposed 'natural' boundaries. When considering division of the area for other purposes, the boundaries suggested by Ekman (1931) and by Wattenberg (1949) should be taken into consideration (Edler *et al.* 1984).

The boundary between BB and BS is drawn from Vaasa on the Finnish coast to the westnorthwest to the cape southeast of Nordmaling (Sweden). AS is delimited by a line running from Uusikaupunki to the northern coast of the Åland Islands at 20°E, then southwards along 20°E from Lemland Järsö to the latitude of 59°45'N, and along this latitude eastwards to the tip of the Hanko peninsula. The boundary between GF and NB runs along 23°E, the southern boundary of GF towards GR is 59°N. NB is delimited by 59°45'N to the north, and 58°N to the south. The boundary between NB and GR between Saaremaa and Hiiumaa is drawn along 22°30'E, the boundary between CB and GR along the longitude of 22°E. The southern boundary of CB runs westwards from the boundary between Latvia and Lithuania approximately to the tip of Torhamnssudde in Sweden in the west. The boundary between SB and AB is drawn between the northwestern cape of Bornholm (Hammerodde, Denmark) to Sandhammaren in Sweden, and along the longitude from Duerodde on Bornholm to the Polish coast. The boundary between AB and KB runs from Darsser Ort (Germany) to the tip of Gedser Odde (on the island of Lolland, Denmark), and on from Stevns Klint (on Sjælland, Denmark) to the tip of the promontory at Falsterbo in Sweden. The boundary between KB and Skagerrak goes along the latitude from the tip of Skagen eastwards to the Swedish coast (Fig. 1).

A rather traditional algal system has been adopted for the checklist. This system is only slightly modified from the system employed by Christensen (1980–1994). Although blue-green algae are procaryotes, and many authors prefer to call them Cyanobacteria or Cyanoprocaryota, they are functionally similar to eucaryotic algae and are therefore included here. In all major groups related heterotrophic taxa have been included. Some heterotrophic protist groups commonly observed in the plankton are appended. I have tried to avoid the inflation of higher taxa, a tendency already criticised by Zimmermann *et al.* (1985). For example regarding the diatoms an extreme case of inflationary systematics was published by Round *et al.* (1990). On the other hand, Krammer & Lange-Bertalot (1986–1991) use excessively wide taxonomical definitions for some genera, particularly the genus *Fragilaria* (Krammer & Lange-Bertalot 1991a). I have tried to find a path somewhere between these extremes. Attempts have been made to include all basionyms, and of the synonyms at least those which have been used in literature on Baltic Sea phytoplankton.

The names of taxa known to be heterotrophic are preceded by an asterisk (*). Mixotrophic taxa are not indicated at this stage because they are not yet sufficiently well known, and furthermore, the degree of mixotrophy is known to vary considerably between taxa, and even within the same taxon depending on the relative availability of mineral nutrients, light and prey. Ecological and other comments to the distribution of taxa are explained in Table 2.

Due to ongoing changes in systematics, taxonomy, species concepts and species' distributions, in addition to which new taxa are described all the time, checklists never actually reach completion, but should be continuously updated. Information on new taxa as well as suggestions for changes in systematics, taxonomy and nomenclature would be most welcome, as would be information on older publications missing from this list, missing or erroneous publication years, and other possible errors. Many species apparently have a much wider distribution than the records in this list indicate. I hope that the list will inspire researchers to fill in missing data, so that a revised edition can be published when the time is ripe.

This checklist, including references, will be posted on the website of the Helsinki Commission (www.helcom.fi). The checklist will be updated from time to time, and a link will be added to a separate file containing the relevant additions. All useful new information will be duly acknowledged.

Acknowledgements

Progress on the compilation of this checklist was rather slow in the late 1980s when most additions were done during my spare-time, much depending on what literature I stumbled over. The most comprehensive publications were put aside awaiting better days. Those better days began in October 1997 when Juha-Markku Leppänen, then leading the Alg@line project, employed me to complete the Baltic Sea Phytoplankton Checklist and to write new Baltic Sea Phytoplankton Sheets for the Finnish Institute of Marine Research (FIMR).

I would like to give my sincere thanks to all the people who have supported me and contributed to this work. My wife Seija Hällfors has given me continuous support through all the years of this project, and also provided the microphotographs included in the checklist. The libraries of Tvärminne Zoological Station, the former Department of Botany of the University of Helsinki, and FIMR have provided me with a wealth of information. Eeri Kukk gave me a number of references and useful hints. Malte Elbrächter (*in litt.*) made some very significant comments on the dinoflagellates, based on his own dinoflagellate list (Elbrächter 2002). Irina Olenina sent a comprehensive reprint on phytoplankton from Lithuanian coastal waters (Olenina 1996). Norbert Wasmund sent a review of his studies on the German Baltic Sea coast, and a list of his most significant publications. Iveta Ledaine (*in litt.*) sent a list of her phytoplankton records from the Latvian coast. Jiri Komárek and Gertrud Cronberg (*pers. comm.*) gave advice especially on the blue-green algae. My daughter Heidi Hällfors greatly helped to edit the final version of this checklist. I gratefully acknowledge the financial support provided by FIMR and HELCOM.

Last but not least, my thanks go to my teacher and long-time friend, Åke Niemi, who inspired me to become a phycologist, and who taught me the basics of Baltic Sea phytoplankton taxonomy, long ago.

References to the introduction and acknowledgements

- Christensen, T. 1980–1994: *Algae. A taxonomic survey*. – AiO Print Ltd., Odense. 472 pp.
- Edler, L., Hällfors, G. & Niemi, Å. 1984: A preliminary check-list of the phytoplankton of the Baltic Sea. – *Acta Botanica Fennica* 128:1–26.
- Ekman, S. 1931: Vorschlag zu einer naturwissenschaftlichen Einteilung und Terminologie des Baltischen Meeres. – *Int. Revue ges. Hydrobiol.* 25:161–183.
- Elbrächter, M. 2002: Incomplete check-list of freeliving, recent Dinophyceae of the Baltic Sea. First draft 06. September 2002. 71 pp. (Used by permission of the author).
- Hällfors, G. 1980 (1979): A preliminary check-list of the phytoplankton of the northern Baltic Sea. – *Publications of the Water Research Institute, National Board of Waters, Finland* 34(1979):3–24.
- Krammer, K. & Lange-Bertalot, H. 1986: Bacillariophyceae. 1. Teil: Naviculaceae. – *Süßwasserflora von Mitteleuropa* 2/1:I–XVI, 1–876.
- Krammer, K. & Lange-Bertalot, H. 1988: Bacillariophyceae. 2. Teil: Bacillariaceae, Epithemiaceae, Surirellaceae. – *Süßwasserflora von Mitteleuropa* 2/2:I–XI, 1–596.
- Krammer, K. & Lange-Bertalot, H. (Unter Mitarbeit von Håkansson, H. & Nörpel, M.) 1991a: Bacillariophyceae. 3. Teil: Centrales, Fragilariaceae, Eunotiaceae. – *Süßwasserflora von Mitteleuropa* 2/3:I–XIII, 1–576.
- Krammer, K. & Lange-Bertalot, H. 1991b: Bacillariophyceae. 4. Teil: Achnanthaceae, kritische Ergänzungen zu Navicula (Lineolatae) und Gomphonema. *Gesamtliteraturverzeichnis Teil 1–4*. – *Süßwasserflora von Mitteleuropa* 2/4:I–IX, 1–437.
- Оленина, И. (Olenina, I.) 1996: Видовой состав фитопланктона залива Куршю – марес и прибрежной зоны юго-восточной части Балтийского моря. [Summary: Species composition of the Kuršių marios lagoon and the southeastern Baltic coastal zone phytoplankton.] – *Botanica Lithuanica* 2:259–300.
- Round, F.E., Crawford, R.M. & Mann, D.G. 1990: *The diatoms. Biology and morphology of the genera*. – Cambridge University Press, i–ix, 1–747.
- Vørs, N. 1992: Ultrastructure and autecology of the marine, heterotrophic flagellate *Leucocryptos marina* (Braarud) Butcher 1967 (Katablepharidaceae/ Katablepharidae), with a discussion of the genera *Leucocryptos* and *Katablepharis/ Kathablepharis*. – *European Journal of Protistology* 28:369–389.
- Wattenberg, H. 1949: Entwurf einer natürlichen Einteilung der Ostsee. – *Kieler Meeresforsch.* 6:10–15.
- Zimmermann, B., Moestrup, Ø. & Hällfors, G. 1985: Chrysophyte or heliozoon: Ultrastructural studies on a cultured species of *Pseudopedinella* (Pedinellales ord. nov.), with comments on species taxonomy. – *Protistologica* 20: 591–612.

Table 1. Abbreviations for the ten subareas of the Baltic Sea

KB	Kattegat and the Belt Sea area	GR	Gulf of Riga
AB	Arkona Basin	GF	Gulf of Finland
SB	Southern Baltic proper	AS	Archipelago Sea
CB	Central Baltic proper	BS	Bothnian Sea
NB	Northern Baltic proper	BB	Bothnian Bay

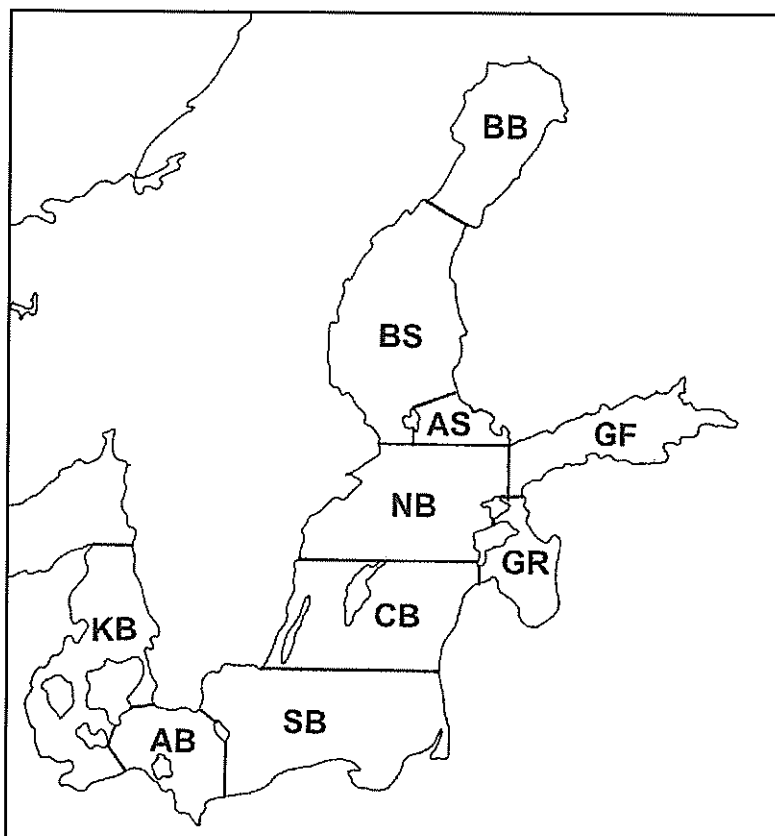


Fig. 1. The Baltic Sea with subareas indicated for which records of planktonic species are included in the checklist. For abbreviations see Table 1.

Table 2. Explanation of the symbols used in the checklist

+	occurrence without ecological characterization
c	cold water species
w	warm water species
l	main occurrence in the littoral
f	freshwater species which does not tolerate the full salinity of the area
b	species belonging to waters of lower salinity than that of the area
s	species belonging to waters of higher salinity than that of the area
e	main occurrence in eutrophied waters
?	questionable record
()	symbol not very strictly applicable, e.g. (c) = generally, but not exclusively cold water species
—	no record

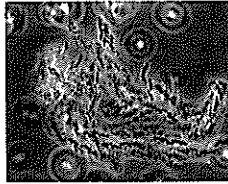
Numbers in bold font and brackets refer to annotations starting on p. 145.

Review of the system used, including some non-photosynthetic protist groups

Division CYANOPHYTA (CYANOBACTERIA)

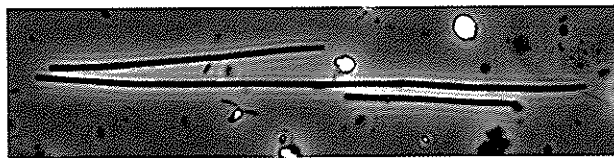
Class Nostocophyceae (Cyanophyceae) – Blue-green algae

Order CHROOCOCCALES



(*Aphanothece* sp.)

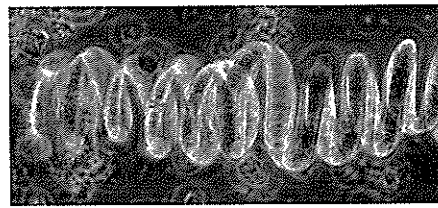
Order OSCILLATORIALES



(*Prochlorothrix* sp. /
Oscillatorialean filaments)

*INCERTAE SEDIS – RELATED non-photosynthetic groups

Order NOSTOCALES



(*Nodularia spumigena*)

[Division RHODOPHYTA]

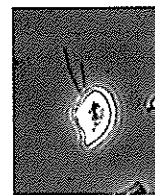
[Class Bangiophyceae (Rhodophyceae) – Red algae]

[Order PORPHYRIDALES]

Division CRYPTOPHYTA

Class Cryptophyceae – Recoiling algae

Order CRYPTOMONADALES

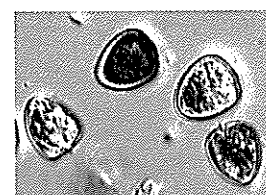


(*Teleaulax amphioxeia*)

Division DINOPHYTA (PYRRHOPHYTA)

Class Dinophyceae – Dinoflagellates

Order PROROCENTRALES



(*Prorocentrum minimum*)

Order DINOPHYSALES



(*Dinophysis norvegica*)

Order GYMNODINIALES

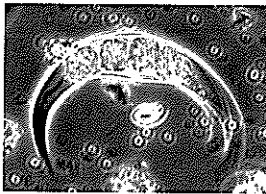
*(Amphidinium sphenoides)*

Order OXYRRHINALES

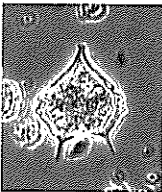
Order NOCTILUCALES

Order ACTINISCALES

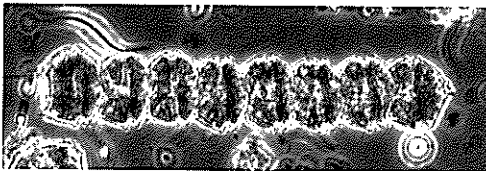
Order PHYTODINIALES (BLASTODINIALES)

*(cf. Dissodinium pseudolunula)*

Order PERIDINIALES

*(Protoperidinium bipes)*

Order GONYAULACALES

*(Peridiniella catenata)*

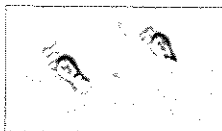
Division HAPTOPHYTA

Class Prymnesiophyceae (Haptophyceae) – Haptophyte algae

Order PRYMNESIALES

*(Chrysochromulina sp.)*

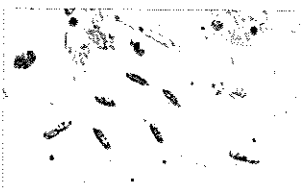
Order PAVLOVALES

*(Pavlova sp.)*

Division CHRYSOPHYTA (HETEROKONTOPHYTA)

Class Chrysophyceae – Golden-brown algae

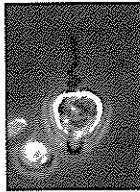
Order OCHROMONADALES

*(Dinobryon balticum)*

Order PARMALES

Order STICHOGLOEALES

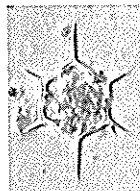
Order PEDINELLALES



(*Pseudopedinella* sp.)

Class Dictyochophyceae

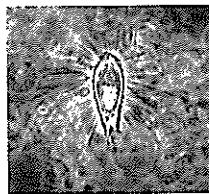
Order DICTYOCHEALES



(*Dictyocha speculum*)

Class Synurophyceae

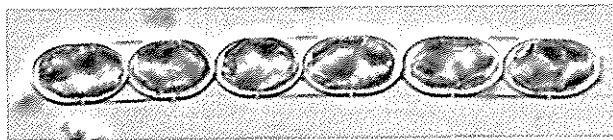
Order SYNURALES



(*Mallomonas caudata*)

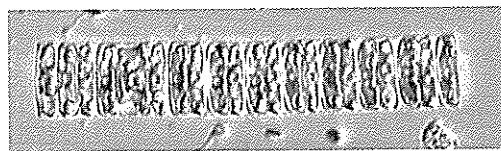
Class Diatomophyceae (Bacillariophyceae) – Diatoms

Order EUPODISCALES (BIDDULPHIALES, CENTRALES) – Centric diatoms



(*Melosira arctica*)

Order BACILLARIALES (PENNALES) – Pennate diatoms



(*Achnanthes taeniata*)

Class Tribophyceae (Xanthophyceae, Heterokontae) – Yellow-green algae

Order RHIZOCHLORIDALES (CHLAMYDOMYXALES)

Order MISCHOCOCCALES (HETEROCOCCALES)

Order TRIBONEMATALES

[Class Eustigmatophyceae]

[Order EUSTIGMATALES]

Class Raphidophyceae (Chloromonadophyceae)

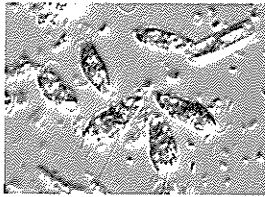
Order CHATTONELLALES

Order RAPHDOMONADALES

Division EUGLENOPHYTA

Class Euglenophyceae – Euglenoids

Order EUGLENALES



(*Eutreptiella gymnastica.*)

Order SPHENOMONADALES



(*Anisonema prosgeobium*)

Division CHLOROPHYTA

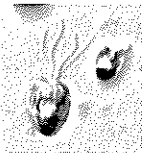
Class Pedinophyceae (Loxophyceae)

Order PEDINOMONADALES

Class Prasinophyceae (Micromonadophyceae)

Order MAMIELLALES

Order CHLORODENDRALES



(*Pyramimonas sp.*)

Class Charophyceae

Order KLEBSORMIDIALES

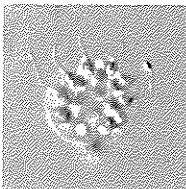
Order ZYGNEMATALES



(*Mougeotia sp.*)

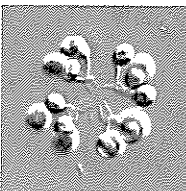
Class Chlorophyceae – Green algae

Order VOLVOCALES (incl. TETRASPORALES)



(*Eudorina sp.*)

Order CHLOROCOCCALES



(*Dictyosphaerium tetrachotomum*)

Order ULOTRICHALES
Order MICROSPORALES



(*Planctonema lauterbornii*)

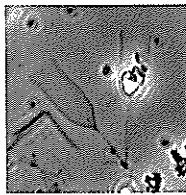
Order OEDOGONIALES

Annex: Various non-photosynthetic protist groups

Phylum ZOOMASTIGOPHORA – Zooflagellates

Class Bicosoecida

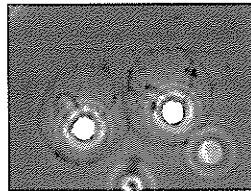
Order BICOSOECIDA (ICBN: BICOSOECALES)



(*Bicosoeca sp.*)

Class Choanoflagellidea – Collar flagellates (ICBN: Craspedophyceae)

Order CHOANOFLAGELLIDA



(*Diaphanoeca sphaerica*)

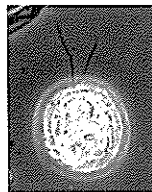
Family CODOSIGIDAE

Family SALPINGOECIDAE

Family ACANTHOECIDAE

Class Eбриidea

Order EBRIIDA (ICBN: EBRIALES)



(*Ebria tripartita*)

Class Kinetoplastidea

Order KINETOPLASTIDA

Incertae sedis

Family APUSOMONADIDAE

Family THAUMATOMASTIGIDAE (ICBN: THAUMATOMASTIGACEAE)

Order CERCOMONADIDA

Division CYANOPHYTA (CYANOBACTERIA)

Class **Nostocophyceae** (Cyanophyceae) – Blue-green algae

Order CHROOCOCCALES

Aphanocapsa Nägeli 1849**delicatissima** W. & G.S. West 1912

? + + - - - + - - +

[*Microcystis pulverea* f. *delicatissima* (W. & G.S. West) Elenkin 1938][*Microcystis delicatissima* (W. & G.S. West) Starmach 1966][*Microcystis reinboldii* sensu Pankow 1976 p.p.] (1)**elachista** W. & G.S. West 1894 (2, 3)

- - + - - - wf - - -

[*Microcystis pulverea* f. *elachista* (W. & G.S. West) Elenkin 1938][*Microcystis elachista* (W. & G.S. West) Starmach 1966][*Microcystis reinboldii* sensu Pankow 1990 p.p.] (1)**grevillei** (Hassall) Rabenhorst 1865 (4)

- - + - - - - - - -

[*Coccochloris grevillei* Hassall 1845][*Microcystis grevillei* (Hassall) Elenkin 1938]**holsatica** (Lemmermann) Cronberg & Komárek 1994

? - ? - - - - - - -

[*Clathrocystis holsatica* Lemmermann 1903][*Microcystis holsatica* (Lemmermann) Lemmermann 1907][*Microcystis pulverea* f. *holsatica* (Lemmermann) Elenkin 1938][*Microcystis reinboldii* sensu Pankow 1976, 1990 p.p.] (1)**incerta** (Lemmermann) Cronberg & Komárek 1994

f f + + + - - - + -

[*Polycystis incerta* Lemmermann 1899][*Microcystis incerta* (Lemmermann) Lemmermann 1910][*Microcystis pulverea* v. *incerta* (Lemmermann) Crow 1923][*Microcystis pulverea* f. *incerta* (Lemmermann) Elenkin 1938][*Microcystis reinboldii* sensu Pankow 1976, 1990 p.p.] (1)**parasitica** (Kützling) Komárek & Anagnostidis 1995

- - - - - - + - - -

[*Microcystis parasitica* Kützling 1843][*Anacystis parasitica* (Kützling) Trevisan 1848][*Microcystis pulverea* f. *parasitica* (Kützling) Elenkin 1938]**planctonica** (G.M. Smith) Komárek & Anagnostidis 1995

- - - - - - wf - - -

[*Aphanocapsa elachista* v. *planctonica* G.M. Smith 1920][*Microcystis pulverea* f. *planctonica* (G.M. Smith) Elenkin 1938][*Microcystis reinboldii* sensu Pankow 1990 p.p.] (1)**reinboldii** (P. Richter) Komárek & Anagnostidis 1995 (1)

| | - - - | - - - -

[*Anacystis reinboldii* P. Richter in Reinbold 1889][*Microcystis reinboldii* (P. Richter) Forti in De Toni 1907]**rivularis** (Carmichael) Rabenhorst 1865 (4, 5)

- - + - - - - - - -

sp.

+ - - - - - + - - -

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Aphanothece Nägeli 1849 <i>nom. cons.</i>										
bachmannii Komárková-Legnerová & Cronberg 1994 [<i>Aphanothece clathrata</i> v. <i>brevis</i> Bachmann 1923]	–	–	+	–	–	–	+	–	–	+
castagnei (Kützing) Rabenhorst 1865 (4, 6) [<i>Palmella castagnei</i> Kützing 1846]	–	–	+	–	–	–	–	–	–	–
clathrata W. & G.S. West 1906 [<i>Rhabdogloea clathrata</i> (W. & G.S. West) Komárek] [? <i>Rhabdoderma clathrata</i> auct.]	–	+	+	–	+	+	wf	–	w	+
microscopica Nägeli 1849 (4)	–	–	+	–	–	–	–	–	–	–
minutissima (W. West) Komárková-Legnerová & Cronberg 1994 [<i>Microcystis minutissima</i> W. West 1912]	–	–	+	–	–	?	–	–	–	–
saxicola Nägeli 1849 (4)	–	–	–	–	–	–	lf	–	–	–
smithii Komárková-Legnerová & Cronberg 1994 [<i>Aphanothece nidulans</i> sensu G.M. Smith 1920]	–	–	–	–	–	–	–	–	–	+
stagnina (Sprengel) A. Braun in Rabenhorst 1865 (7) [<i>Coccochloris stagnina</i> Sprengel 1827]	–	lf	lf	–	–	lf	–	–	–	–
sp.	+	+	+	–	+	–	+	–	+	+
Chroococcus Nägeli 1849										
aphanocapsoides Skuja 1964	–	–	+	–	–	+	–	–	–	–
cohaerens (Brébisson) Nägeli 1849 (4, 8) [<i>Pleurococcus cohaerens</i> Brébisson]	–	–	–	–	–	l	–	–	–	–
cumulatus Bachmann 1921 (2)	–	–	+	–	–	–	–	–	–	–
dispersus (von Keissler) Lemmermann 1904 [<i>Chroococcus minor</i> v. <i>dispersus</i> von Keissler 1902] [<i>Chroococcus limneticus</i> v. <i>subsalsus</i> Lemmermann 1901] [<i>Gloeocapsa minor</i> f. <i>dispersa</i> (von Keissler) Hollerbach in Elenkin 1938]	+	–	+	–	–	+	+	–	–	w
distans (G.M. Smith) Komárková-Legnerová & Cronberg 1994 [<i>Chroococcus limneticus</i> v. <i>distans</i> G.M. Smith 1920]	–	–	+	–	–	–	–	–	–	–
limneticus Lemmermann 1898 [<i>Gloeocapsa limnetica</i> (Lemmermann) Hollerbach in Elenkin 1938]	f	f	f	+	–	wf	wf	–	–	+
microscopicus Komárková-Legnerová & Cronberg 1994	–	–	–	–	–	+	+	–	–	+
minimus (von Keissler) Lemmermann 1904 [<i>Chroococcus minutus</i> v. <i>minimus</i> von Keissler 1901] [<i>Gloeocapsa minima</i> (von Keissler) Hollerbach in Elenkin 1938]	–	–	f	–	–	–	–	–	–	–
minor (Kützing) Nägeli 1849 (4) [<i>Protococcus minor</i> Kützing 1845?] [<i>Gloeocapsa minor</i> (Kützing) Hollerbach in Elenkin 1938]	–	–	lf	–	–	–	–	–	–	–
minutus (Kützing) Nägeli 1849 [<i>Protococcus minutus</i> Kützing 1843] [<i>Gloeocapsa minuta</i> (Kützing) Hollerbach in Elenkin 1938 p.p.]	–	+	+	–	w	w	w	+	+	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>turgidus</i> (Kützing) Nägeli 1849	f	f	f	–	–	f	f	–	–	+
[<i>Protococcus turgidus</i> Kützing 1845?]										
[<i>Chroococcus dimidiatus</i> (Kützing) Nägeli 1849]										
[<i>Gloeocapsa turgida</i> (Kützing) Hollerbach in Elenkin 1938]										
sp.	–	–	+	+	–	–	+	–	–	+
<i>Coelomoron</i> Buell 1938										
<i>pusillus</i> (van Goor) Komárek 1989	f	f	+	+	+	–	+	–	+	+
[<i>Coelosphaerium pusillum</i> van Goor 1924]										
[<i>Gomphosphaeria pusilla</i> (van Goor) Komárek 1958]										
<i>Coelosphaerium</i> Nägeli 1849										
<i>dubium</i> Grunow in Rabenhorst 1865 (9)	b	+	+	–	–	–	+	–	–	–
<i>kuetzingianum</i> Nägeli 1849	f	f	wf	wf	wf	wf	wf	–	–	w
<i>minutissimum</i> Lemmermann 1900	–	+	+	+	+	+	+	–	–	–
<i>subarcticum</i> Komárek & Komárková-Legnerová 1992	–	–	–	–	–	–	+	–	–	–
<i>Cyanocystis</i> Borzi 1882										
sp.	–	+	–	–	–	–	–	–	–	–
<i>Cyanodictyon</i> Pascher 1914										
<i>imperfectum</i> Cronberg & Weibull 1981	–	–	+	–	–	–	+	–	–	+
<i>planctonicum</i> Meyer 1994	–	+	+	–	–	–	+	–	–	–
[<i>Cyanodictyon reticulatum</i> sensu Hickel 1981]										
<i>reticulatum</i> (Lemmermann) Geitler 1925	–	+	+	–	–	–	+	–	–	+
[<i>Polycystis (Clathrocystis) reticulata</i> Lemmermann 1898]										
[<i>Coelosphaerium reticulatum</i> (Lemmermann) Lemmermann 1910]										
sp.	–	–	+	–	–	–	–	–	–	–
<i>Cyanonephron</i> Hickel 1985										
<i>styloides</i> Hickel 1985	f	–	+	–	–	–	+	–	–	–
<i>Dactylococcopsis</i> Hansgirg 1888 (2, 10)										
<i>raphidioides</i> Hansgirg 1888 (2)	–	+	–	–	–	–	–	–	–	–
<i>Eucapsis</i> Clements & Shantz 1909										
<i>alpina</i> Clements & Shantz 1909 (4)	–	–	f	–	–	–	–	–	–	–
<i>minuta</i> Fritsch 1912 (4)	–	–	f	–	–	–	–	–	–	–
<i>Gloeocapsopsis</i> Geitler ex Komárek 1993										
<i>crepidinum</i> (Thuret) Geitler ex Komárek 1993 (4)	–	–	l	–	–	–	–	–	–	–
[<i>Protococcus crepidinum</i> Thuret 1854]										
[<i>Gloeocapsa crepidinum</i> (Thuret) Thuret in Bornet & Thuret 1876]										
[<i>Pleurocapsa crepidinum</i> (Thuret) Ercegovic 1930]										
<i>Gomphosphaeria</i> Kützing 1836										
<i>aponina</i> Kützing 1836	f	f	f	–	–	f	f	–	–	–

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>ichthyoblabe</i> Kützing 1843	f	f	fe	—	—	—	—	—	—	—
[<i>Polycystis ichthyoblabe</i> Kützing 1845–49]										
[<i>Polycystis elabens</i> v. <i>ichthyoblabe</i> (Kützing) Hansgirg]										
<i>novacekii</i> (Komárek) Compère 1974	—	—	+	—	—	—	—	—	—	—
[<i>Diplocystis novacekii</i> Komárek 1958]										
[<i>Microcystis marginata</i> auct.]										
<i>pulverea</i> (Wood) Forti in De Toni 1907 <i>sensu auct.</i> (2)	—	—	+	—	—	—	—	—	—	—
<i>scripta</i> (P. Richter) Lemmermann 1903 (2)	f	—	—	—	—	—	—	—	—	—
[<i>Polycystis scripta</i> P. Richter in Hauck & Richter 1895?]										
<i>smithii</i> Komárek & Anagnostidis 1995	—	—	+	—	—	—	—	—	—	—
[<i>Aphanocapsa pulchra</i> (Kützing) Rabenhorst 1865]										
[<i>Microcystis grevillei</i> <i>sensu</i> G.M. Smith 1920]										
[<i>Microcystis grevillei</i> f. <i>pulchra</i> (Kützing) Elenkin 1936]										
[non <i>Microcystis pulchra</i> Flotow 1842]										
<i>stagnalis</i> (Lemmermann) Lemmermann 1903 (2)	?	+	+	—	—	—	—	—	—	—
[<i>Polycystis stagnalis</i> Lemmermann 1900]										
[<i>Microcystis reinboldii</i> <i>sensu</i> Pankow 1976, 1990 <i>p.p.</i>] (1)										
<i>viridis</i> (A. Braun in Rabenhorst) Lemmermann 1902	—	f	f	—	—	—	—	—	—	—
[<i>Polycystis viridis</i> A. Braun in Rabenhorst 1862]										
[<i>Microcystis aeruginosa</i> f. <i>viridis</i> (A. Braun in Rabenhorst) Elenkin 1938]										
<i>wesenbergii</i> (Komárek) Komárek in Kondrat'eva 1968	—	f	f	—	—	f	f	—	—	—
[<i>Diplocystis wesenbergii</i> Komárek 1958]										
sp.	+	+	+	+	+				+	+
<i>Pannus</i> Hickel 1991										
<i>spumosus</i> Hickel 1991	f	—	—	—	—	—	—	—	—	—
<i>Radiocystis</i> Skuja 1948										
<i>geminata</i> Skuja 1948	—	—	f	—	—	—	—	—	—	—
<i>Rhabdoderma</i> Schmidle & Lauterborn 1900										
<i>compositum</i> (G.M. Smith) Fedorov 1967	—	+	—	—	—	—	—	—	—	—
[<i>Gloeotheca linearis</i> v. <i>composita</i> G.M. Smith 1920]										
[<i>Rhabdoderma lineare</i> f. <i>compositum</i> (G.M. Smith) Hollerbach in Elenkin 1938]										
[<i>Gloeotheca composita</i> (G.M. Smith) Martens & Pankow 1972]										
<i>lineare</i> Schmidle & Lauterborn 1900	—	f	—	—	—	—	f	—	—	—
<i>Rhabdogloea</i> Schröder 1917										
<i>ellipsoidea</i> Schröder 1917 (2, 4, 12)	—	—	—	—	—	—	—	—	—	+
[<i>Dactylococcopsis ellipsoidea</i> (Schröder) Geitler 1942]										
<i>linearis</i> (Geitler) Komárek 1983	—	—	+	—	—	—	—	—	—	—
[<i>Dactylococcopsis linearis</i> Geitler 1935]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>kuetzingii</i> (Schmidle) Compère 1986 (14)	-	-	-	-	-			-	-	-
[<i>Lyngbya kuetzingii</i> Schmidle 1897]										
<i>Jaaginema</i> Anagnostidis & Komárek 1988										
<i>geminatum</i> (Meneghini ex Gomont) Anagnostidis & Komárek 1988	-	-	-	-	-	?	+	-	-	-
[<i>Oscillatoria geminata</i> Meneghini ex Gomont 1892]										
<i>subtilissimum</i> (Kützing ex De Toni) Anagnostidis & Komárek 1988	-	-	lf	-	-	?	-	-	-	-
[<i>Oscillatoria subtilissima</i> Kützing ex De Toni 1907]										
<i>Leibleinia</i> (Gomont) L. Hoffmann 1985										
<i>epiphytica</i> (Hieronymus in Kirchner) Anagnostidis & Komárek 1988 (14)	-	-	-	-	-		-	-	-	-
[<i>Lyngbya epiphytica</i> Hieronymus in Kirchner 1900]										
<i>Leptolyngbya</i> Anagnostidis & Komárek 1988										
<i>tenuis</i> (Gomont) Anagnostidis & Komárek 1988	-	-	-	-	-			-	-	-
[<i>Phormidium tenue</i> Gomont 1892]										
sp.	-	+	-	-	-	-	-	-	-	-
<i>Limnothrix</i> Meffert 1988										
<i>planctonica</i> (Woloszyńska) Meffert 1988	-	-	f	+	-	f	f	-	-	-
[<i>Oscillatoria planctonica</i> Woloszyńska 1911]										
<i>redekei</i> (Van Goor) Meffert 1988	-	-	f	-	-	-	-	-	-	-
[<i>Oscillatoria redekei</i> Van Goor 1918]										
<i>Lyngbya</i> C.A. Agardh ex Gomont 1892 <i>nom. cons.</i>										
<i>aestuarii</i> (Mertens in Jürgens) Liebman ex Gomont 1892	-		-	-	-			-	-	-
<i>majuscula</i> Harvey in Hooker ex Gomont 1892			-	-	-		-	-	-	-
<i>lutea</i> (C.A. Agardh) Gomont ex Gomont 1892			-	-	-			-	-	-
sp.	-	+	-	-	-	-	+	-	-	-
<i>Oscillatoria</i> Vaucher ex Gomont 1892										
<i>annae</i> van Goor 1918	-	-	-	-	-	+	-	-	-	-
<i>bonnemaisonii</i> Crouan in Desmazières ex Gomont 1892			-	-	-	-	-	-	-	-
<i>chlorina</i> Kützing ex Gomont 1892 (15)	-	?	?	-	-		-	-	-	-
<i>curviceps</i> C.A. Agardh ex Gomont 1892	+	+	w	-	-	+	wf	-	-	-
<i>limosa</i> C.A. Agardh ex Gomont 1892	+	-	+	-	wle	wle	wle	-	-	wl
<i>margaritifera</i> Kützing ex Gomont 1892	-		-	-	-		-	-	-	-
<i>princeps</i> Vaucher ex Gomont 1892	-	-	-	-	-			-	-	-
<i>proboscidea</i> Gomont 1892	-	-	+	-	-	-	-	-	-	-
<i>sancta</i> Kützing ex Gomont 1892 (16)	-	?	?	-	-	-	-	-	-	-
<i>subsalsa</i> C.A. Agardh ex Gomont 1892, <i>species inquir.</i> (2, 15)	-	+	-	-	-	-	-	-	-	-
<i>Phormidium</i> Kützing ex Gomont 1892 <i>sensu</i> Anagnostidis & Komárek 1988										
<i>amphibium</i> (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988	f	f	-	-	-	+	wlf	-	+	-
[<i>Oscillatoria amphibia</i> C.A. Agardh ex Gomont 1892]										
<i>autumnale</i> C.A. Agardh ex Gomont 1892	-	-	-	-	-	-		-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
breve (Kützing ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria brevis</i> Kützing ex Gomont 1892]	–	–	–	–	–	+	–	–	–	–
chalybeum (Mertens ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria chalybea</i> Mertens ex Gomont 1892]	l	l	–	–	–	l	wlf	–	–	–
dictyothallum Skuja 1948 (2)	–	–	–	+	–	–	–	–	–	–
formosum (Bory ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria formosa</i> Bory ex Gomont 1892]	–	+	–	–	–	+	–	–	–	–
irriguum (Kützing ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria irrigua</i> Kützing ex Gomont 1892]	–	–	–	–	–	+	–	–	–	–
kuetzingianum (Kirchner) Anagnostidis & Komárek 1988 [<i>Lyngbya kuetzingiana</i> Kirchner 1878]	–	–	–	–	–	l	–	–	–	–
neotenue G. Hällfors <i>nom. nov.</i> (17) [<i>Oscillatoria tenuis</i> C.A. Agardh ex Gomont 1892] [<i>Phormidium tenue</i> (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988 <i>nom. illeg.</i>] [non <i>Phormidium tenue</i> Gomont 1892] [= <i>Leptolyngbya tenuis</i> (Gomont) Anagnostidis & Komárek 1988]	+	+	w	–	–	wle	wle	–	+	wle
okenii (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria okenii</i> C.A. Agardh ex Gomont 1892]	–	l	–	–	–	–	wife	–	–	–
splendidum (Greville ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria splendida</i> Greville ex Gomont 1892]	–	–	–	–	–	–	f	–	–	–
subuliforme (Thwaites ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria subuliformis</i> Thwaites ex Gomont 1892]	+	+	–	–	–	–	–	–	–	–
terebriforme (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria terebriformis</i> C.A. Agardh ex Gomont 1892]	–	–	–	–	–	+	–	–	–	–
Planktolyngbya Anagnostidis & Komárek 1988										
bipunctata (Lemmermann) Anagnostidis & Komárek 1988 [<i>Lyngbya bipunctata</i> Lemmermann 1899]	–	–	f	–	–	–	–	–	–	–
contorta (Lemmermann) Anagnostidis & Komárek 1988 [<i>Lyngbya contorta</i> Lemmermann 1898]	f	f	f	–	–	–	f	–	–	–
lacustris (Lemmermann) Anagnostidis & Komárek 1988 [<i>Lyngbya lacustris</i> Lemmermann 1898]	–	–	–	–	–	?	–	–	–	–
limnetica (Lemmermann) Komárková-Legnerová & Cronberg 1992 [<i>Lyngbya limnetica</i> Lemmermann 1898] [<i>Planktolyngbya subtilis</i> (W. West) Anagnostidis & Komárek 1988 <i>sine typo</i>] [non <i>Lyngbya subtilis</i> W. West 1892]	+	+	+	–	+	+	+	–	w	–
Planktothrix Anagnostidis & Komárek 1988										
agardhii (Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria agardhii</i> Gomont 1892]	–	wef	wef	–	wef	we	we	–	we	we

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>cryptovaginata</i> (Škorbatov) Anagnostidis & Komárek 1988 [<i>Lyngbya cryptovaginata</i> Škorbatov 1923]	-	-	-	-	-	+	-	-	-	-
<i>mougeotii</i> (Bory ex Gomont) Anagnostidis & Komárek 1988 [<i>Oscillatoria mougeotii</i> Bory ex Gomont 1892] [<i>Oscillatoria agardhii</i> v. <i>isothrix</i> Skuja 1948]	-	-	-	-	-	+	wf	-	-	-
sp.	-	-	+	-	-	-	-	-	-	-
<i>Pseudanabaena</i> Lauterborn 1915										
<i>biceps</i> Böcher 1946	-	-	-	-	-	+	-	-	-	-
<i>limnetica</i> (Lemmermann) Komárek 1974 [<i>Oscillatoria limnetica</i> Lemmermann 1900]	+	+	w	+	w	w	w	w	w	w
<i>mucicola</i> (Naumann & Huber-Pestalozzi) Bourrelly 1970 [<i>Phormidium mucicola</i> Naumann & Huber-Pestalozzi in Huber-Pestalozzi & Naumann 1929]	-	-	-	-	-	-	f	-	-	-
sp.	+	+	+	-	-	-	+	-	+	-
<i>Romeria</i> Koczwara ex Geitler 1932 [<i>Raciborskia</i> Koczwara 1928 <i>nom. illeg.</i>] [non <i>Raciborskia</i> Wołoszyńska 1919]										
<i>elegans</i> Wołoszyńska ex Geitler 1932	-	-	-	-	-	-	f	-	-	-
<i>Spirulina</i> Turpin ex Gomont 1892										
<i>baltica</i> Martens & Pankow 1972	-	f	-	-	-	-	+	-	-	-
<i>laxissima</i> G.S. West 1907	-	-	+	-	-	-	-	-	-	-
<i>major</i> Kützing ex Gomont 1892	-	+	-	-	-	+	+	-	+	-
<i>meneghiniana</i> Zanardini ex Gomont 1892	-	-	+	-	-	-	-	-	-	-
<i>subsalsa</i> Ørsted ex Gomont 1892	-	-	-	-	-	l	l	l	-	-
sp.	-	-	-	-	-	-	+	-	+	-
<i>Trichodesmium</i> Ehrenberg ex Gomont 1892										
<i>lacustre</i> Klebahn 1895 (91) [<i>Oscillatoria lacustris</i> (Klebahn) Geitler 1925] [<i>Skujaeila lacustris</i> (Klebahn) J. De Toni 1938]	-	f	f	-	-	-	-	-	-	+
<i>Tychonema</i> Anagnostidis & Komárek 1988										
<i>bornetil</i> (Zukal) Anagnostidis & Komárek 1988 [<i>Lyngbya bornetii</i> Zukal 1894] [<i>Oscillatoria bornetii</i> (Zukal) Forti 1907]	-	-	-	-	-	wlf	wlf	-	-	-
<i>tenuis</i> (Skuja) Anagnostidis & Komárek 1988 [<i>Oscillatoria bornetii</i> f. <i>tenuis</i> Skuja 1930]	-	-	-	-	-	-	wf	-	-	-
*INCERTAE SEDIS – RELATED non-photosynthetic groups (presently classified as bacteria)										
* <i>Achroonema</i> Skuja 1948										
* <i>lentum</i> Skuja 1956	+	+	-	+	-	-	+	-	+	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>longicellularis</i> (Pankow) Komárková-Legnerová & Eloranta 1992 <i>nom. inval.</i> (18) [<i>Anabaena spiroides</i> f. <i>longicellularis</i> Pankow 1965]	–	–	+	–	–	–	–	–	–	–
<i>macrospora</i> Klebahn 1895	–	–	f	–	–	–	f	–	–	wf
<i>oscillarioides</i> Bory ex Bornet & Flahault 1886 (19)	–	–	–	–	–	l	–	–	–	–
<i>planctonica</i> Brunnthaler 1903 [<i>Anabaena solitaria</i> f. <i>planctonica</i> (Brunnthaler) Komárek 1958] [<i>Anabaena scheremetievii</i> Elenkin 1909 p.p.]	–	–	f	–	–	–	–	–	–	wf
<i>smithii</i> (Komárek) M. Watanabe 1991 [<i>Anabaena solitaria</i> f. <i>smithii</i> Komárek 1958] [<i>Anabaena planctonica</i> sensu G.M. Smith 1920] [non <i>Anabaena planctonica</i> Brunnthaler 1903]	–	?	?	–	–	–	–	–	–	–
<i>solitaria</i> Klebahn 1895 [<i>Anabaena catenula</i> v. <i>solitaria</i> (Klebahn) Geitler 1932]	–	–	f	–	–	–	f	–	–	–
<i>spiroides</i> Klebahn 1895	wef	wf	wf	+	–	wf	wf	–	–	w
<i>torulosa</i> (Carmichael ex Harvey in Hooker) Lagerheim ex Bornet & Flahault 1886	–	–	–	–	–	l	l	–	–	–
sp.	+	+	+	+	+	–	+	+	+	+
<i>Anabaenopsis</i> (Woloszyńska) V. Miller 1923										
<i>arnoldii</i> Aptekarj 1926	wef	–	–	–	–	–	–	–	–	–
<i>elenkinii</i> V. Miller 1923	wef	–	–	–	–	–	we	e	–	–
<i>milleri</i> Woronichin 1929 (20)	–	–	–	–	–	–	–	–	–	–
sp.	–	–	–	–	–	–	+	–	+	+
<i>Aphanizomenon</i> Morren ex Bornet & Flahault 1886										
<i>flos-aquae</i> (L.) Ralfs ex Bornet & Flahault 1886 [<i>Byssus flos-aquae</i> L. 1753]	f	–	–	–	–	?	f	–	–	–
<i>gracile</i> (Lemmermann) Lemmermann 1910 [<i>Aphanizomenon flos-aquae</i> v. <i>gracile</i> Lemmermann 1898] [<i>Aphanizomenon flos-aquae</i> f. <i>gracile</i> (Lemmermann) Elenkin 1938]	–	–	w	–	w	–	w	+	–	w
<i>issatschenkoi</i> (Usacev) Proschkina-Lavrenko [<i>Anabaena issatschenkoi</i> Usacev] [<i>Raphidiopsis mediterranea</i> Skuja]	–	–	+	–	–	–	f	–	–	–
<i>klebahnii</i> (Elenkin) Pechar & Kalina [<i>Aphanizomenon flos-aquae</i> v. <i>klebahnii</i> Elenkin 1909] [<i>Aphanizomenon flos-aquae</i> f. <i>klebahnii</i> (Elenkin) Elenkin 1938]	–	–	–	–	–	–	+	–	–	–
<i>yezoense</i> M. Watanabe 1991	–	–	+	–	–	–	–	–	–	–
sp. (' <i>baltica</i> ' nom. ined.) (21) [<i>Aphanizomenon flos-aquae</i> auct.]	wb	w	w	w	w	w	w	w	w	+
sp.	–	+	–	–	–	–	+	–	+	–
<i>Gloeotrichia</i> J.G. Agardh ex Bornet & Flahault 1886										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>echinulata</i> J.E. Smith ex P. Richter 1894 (91)	–	f	f	–	–	–	f	–	–	–
<i>Nodularia</i> Mertens ex Bornet & Flahault 1886 <i>nom. cons.</i>										
<i>baltica</i> Komárek <i>et al.</i> 1993	+	+	–	–	–	–	–	–	–	–
[<i>Nodularia harveyana</i> auct.?]]										
<i>harveyana</i> Thuret ex Bornet & Flahault 1886 (22, 23)				–				–	–	–
<i>litorea</i> (Kützinger) Thuret ex Komárek <i>et al.</i> 1993	–	+	–	–	–	w	+	–	–	–
[<i>Nodularia spumigena</i> v. <i>litorea</i> (Kützinger) Bornet & Flahault 1886]										
[? <i>Nodularia spumigena</i> v. <i>major</i> (Kützinger) Bornet & Flahault 1886]										
<i>sphaerocarpa</i> Bornet & Flahault 1886	–	–	–	–	–	–	(l)	–	–	–
[<i>Nodularia harveyana</i> v. <i>sphaerocarpa</i> (Bornet & Flahault) Elenkin 1916]										
<i>spumigena</i> Mertens ex Bornet & Flahault 1886	wb	w	w	w	w	w	w	w	w	+
sp.	+	–	–	–	–	–	–	–	–	–
<i>Trichormus</i> (Ralfs ex Bornet & Flahault) Komárek & Anagnostidis 1989										
<i>variabilis</i> (Kützinger ex Bornet & Flahault) Komárek & Anagnostidis 1989 (4, 24, 25)	–	wef	wef	–	–	?	wf	–	–	–
[<i>Anabaena variabilis</i> Kützinger ex Bornet & Flahault 1886]										

Division RHODOPHYTA

Class **Bangiophyceae** (Rhodophyceae) – Red algae

Order PORPHYRIDALES (92)

Division CRYPTOPHYTA

Class **Cryptophyceae** – Recoiling algae

Order CRYPTOMONADALES

Campylomonas Hill 1991*reflexa* (Marsson *emend.* Skuja) Hill 1991[*Cryptomonas erosa* v. *reflexa* Marsson 1904][*Cryptomonas reflexa* (Marsson) Skuja 1939][*Cryptomonas marssonii* Skuja 1948][*Cryptomonas gracilis* Skuja 1948]*Chroomonas* Hansgrg 1885*baltica* (Büttner) N. Carter 1937[*Cyanomonas baltica* Büttner 1911]*vectensis* N. Carter 1937

sp.

Cryptomonas Ehrenberg 1832*curvata* Ehrenberg 1832? (26)*erosa* Ehrenberg 1832*obovata* Skuja 1948*ovata* Ehrenberg 1832

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>reflexa</i> (Marsson <i>emend.</i> Skuja) Hill 1991	–	–	f	–	–	–	f	–	–	–
[<i>Cryptomonas erosa</i> v. <i>reflexa</i> Marsson 1904]										
[<i>Cryptomonas reflexa</i> (Marsson) Skuja 1939]										
[<i>Cryptomonas marssonii</i> Skuja 1948]										
[<i>Cryptomonas gracilis</i> Skuja 1948]										
<i>Chroomonas</i> Hansgrg 1885										
<i>baltica</i> (Büttner) N. Carter 1937	+	–	+	–	–	+	–	–	+	–
[<i>Cyanomonas baltica</i> Büttner 1911]										
<i>vectensis</i> N. Carter 1937	+	–	–	–	–	–	–	–	–	–
sp.	+	–	–	–	–	–	–	–	–	–
<i>Cryptomonas</i> Ehrenberg 1832										
<i>curvata</i> Ehrenberg 1832? (26)	–	–	?	–	–	–	–	–	–	–
<i>erosa</i> Ehrenberg 1832	–	–	?	–	–	–	f	–	+	+
<i>obovata</i> Skuja 1948	–	–	?	–	–	–	–	–	–	–
<i>ovata</i> Ehrenberg 1832	–	–	f	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>pelagica</i> (Lohmann) Butcher 1967 (2)	+	+	+	+	-	-	-	-	+	+
[<i>Rhodomonas pelagica</i> Lohmann 1908]										
<i>platyuris</i> Skuja 1948	-	-	?	-	-	-	-	-	-	-
sp.	-	-	-	-	-	-	+	-	+	-
* <i>Goniomonas</i> Stein 1878										
* <i>amphinema</i> Larsen & Patterson 1990	+	-	-	-	-	-	+	-	-	-
* <i>pacifica</i> Larsen & Patterson 1990	+	-	-	-	-	-	+	-	-	-
* <i>truncata</i> (Fresenius) Stein 1878	+	-	-	-	-	-	+	-	-	-
[<i>Monas truncata</i> Fresenius 1858]										
[<i>Cyathomonas truncata</i> (Fresenius) Fisch 1885]										
*sp.	+	-	-	-	-	-	-	-	-	+
<i>Hemiselmis</i> Parke 1949										
<i>virescens</i> Droop 1955	+	+	+	+	+	+	+	+	+	+
sp.	-	-	-	+	-	-	-	+	+	-
<i>Komma</i> Hill 1991										
<i>caudata</i> (Geitler) Hill 1991	-	-	f	-	-	-	-	-	-	-
[<i>Chroomonas caudata</i> Geitler 1924]										
[<i>Chroomonas acuta</i> Utermöhl 1925]										
<i>Plagioselmis</i> Butcher ex Hill 1990										
<i>prolonga</i> Butcher 1967 (27)	+	+	+	-	?	+	+	+	+	+
sp.	-	+	+	+	-	-	+	-	+	+
<i>Rhodomonas</i> Karsten emend. Hill & Wetherbee 1989										
<i>baltica</i> Karsten 1898	+	+	+	+	-	-	-	-	+	+
[<i>Cryptomonas baltica</i> (Karsten) Butcher 1967]										
[<i>Cryptomonas pseudobaltica</i> Butcher 1967]										
<i>lacustris</i> Pascher & Ruttner in Pascher 1913 (2)										
v. <i>lacustris</i> (19, 27)	?	?	f	?	?	?	f	?	?	+
[<i>Cryptomonas pusilla</i> Bachmann 1923]										
[<i>Rhodomonas minuta</i> Skuja 1948]										
[<i>Rhodomonas pusilla</i> (Bachmann) Javornický 1967]										
v. <i>nannoplantica</i> (Skuja) Javornický 1976 (2, 27)	-	f	-	-	-	-	-	-	-	-
[<i>Rhodomonas minuta</i> v. <i>nannoplantica</i> Skuja 1948]										
<i>lens</i> Pascher & Ruttner (2, 4)	+	+	-	+	-	-	-	-	+	+
<i>marina</i> (Dangeard) Lemmermann 1908	+	+	-	-	-	+	+	-	+	+
[<i>Cryptomonas marina</i> Dangeard 1892]										
[<i>Cryptomonas marina</i> Büttner 1911]										
[<i>Chroomonas marina</i> (Büttner) Butcher 1967]										
[? <i>Rhodomonas pelagica</i> Lohmann 1908]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Exuviaella lenticulata</i> Matzenauer 1933]										
[<i>Exuviaella elongata</i> Rampi 1951]										
lima (Ehrenberg) Dodge 1975	(l)	(l)	-	-	-	-	-	-	-	-
[<i>Cryptomonas lima</i> Ehrenberg 1860]										
[<i>Exuviaella marina</i> Cienkowski 1881]										
[<i>Dinopyxis laevis</i> Stein 1883]										
[<i>Exuviaella lima</i> (Ehrenberg) Bütschli 1885]										
[<i>Exuviaella laevis</i> (Stein) B. Schröder 1900]										
[<i>Exuviaella cincta</i> Schiller 1918]										
[<i>Exuviaella ostenfeldii</i> Schiller 1933]										
[<i>Exuviaella marina</i> v. <i>lima</i> (Ehrenberg) Schiller 1933]										
[<i>Exuviaella caspica</i> Kiselev 1940]										
[<i>Prorocentrum marinum</i> Dodge & Bibby 1973 <i>comb. inval.</i>]										
micans Ehrenberg 1833 (28)	w	w	w	+	-	?	-	?	?	-
[<i>Prorocentrum schilleri</i> Böhm in Schiller 1933]										
[<i>Prorocentrum levantoides</i> Bursa 1959]										
[<i>Prorocentrum pacificum</i> Wood 1963]										
minimum (Pavillard) Schiller 1933	w	w	w	w	w	w	w	?	-	-
[<i>Exuviaella minima</i> Pavillard 1916]										
[<i>Exuviella apora</i> sensu Lebour 1925 <i>p.p.</i>]										
[<i>Prorocentrum triangulatum</i> Martin 1929]										
[<i>Exuviaella mariae-lebouriae</i> Parke & Ballantine 1957]										
[<i>Prorocentrum cordiformis</i> Bursa 1959]										
[<i>Prorocentrum minimum</i> v. <i>mariae-lebouriae</i> (Parke & Balianine) Hulburt 1965 <i>comb. inval.</i>]										
[<i>Prorocentrum minimum</i> v. <i>triangulatum</i> (Martin) Hulburt 1965 <i>comb. inval.</i>]										
[<i>Prorocentrum mariae-lebouriae</i> (Parke & Balianine) Loeblich III 1970]										
[? <i>Exuviaella cordata</i> Ostenfeld 1901]										
scutellum Schröder 1900 (28, 29)	+	-	-	-	-	+	-	-	-	-
sp.	-	+	-	-	-	-	-	-	-	-
Order DINOPHYSALES										
Dinophysis Ehrenberg 1840										
acuminata Claparède & Lachmann 1859	(w)	(w)	(w)	(w)	(w)	(w)	(w)	(w)	(w)	(w)
[<i>Dinophysis rotundata</i> Levander 1894, 1901]										
[<i>Dinophysis ovum</i> v. <i>baltica</i> Paulsen 1908]										
[<i>Dinophysis arctica</i> sensu Wołoszyńska 1928]										
[<i>Dinophysis baltica</i> (Paulsen) Wołoszyńska 1928]										
[<i>Dinophysis cassubica</i> Wołoszyńska 1928]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Order GYMNODINIALES										
Amphidinium Claparède & Lachmann 1859										
<i>acutissimum</i> Schiller 1933	+	–	–	+	–	–	–	–	–	–
<i>carterae</i> Hulburt 1957	+	–	–	–	–	–	–	–	–	–
<i>*crassum</i> Lohmann 1908	+	?	+	+	+	+	+	–	+	+
<i>elenkinii</i> Skvortzow 1925 (2, 4)	–	–	–	–	+	–	+	–	–	–
<i>*incoloratum</i> Campbell 1973	+	–	–	–	–	–	–	–	–	–
<i>*longum</i> Lohmann 1908	+	+	+	+	+	–	+	–	+	+
[? <i>Amphidinium acutum</i> Lohmann 1920]										
<i>operculatum</i> Claparède & Lachmann 1859	+	+	+	–	–	–	+	–	–	–
[<i>Amphidinium klebsii</i> Kofoid & Swezy 1921]										
<i>ovoideum</i> (Lemmermann) Lemmermann 1900	+	–	–	–	–	–	–	–	–	–
[<i>Prorocentrum ovoideum</i> Lemmermann 1896]										
<i>*pellucidum</i> Herdman 1922	–	–	–	–	+	–	+	–	+	+
[? <i>Amphidinium subsaisum</i> Biecheler 1952] (106)										
<i>semilunatum</i> Herdman 1923	–	–	+	–	–	–	–	–	–	–
<i>*sphenoides</i> Wulff 1916	+	–	–	+	–	–	–	–	+	–
[<i>Gymnodinium fiium</i> Lebour 1917]										
<i>steinii</i> (Lemmermann) Kofoid & Swezy 1921	+	+	–	+	–	–	–	–	–	–
[<i>Amphidinium operculatum</i> v. <i>steinii</i> Lemmermann 1910]										
sp.	+	+	+	+	+	–	+	–	+	+
Cochlodinium Schütt 1896										
cf. <i>helicoides</i> Lebour 1925	+	–	–	–	–	–	–	–	–	–
<i>pellucidum</i> Lohmann 1908	+	–	–	–	–	–	–	–	–	–
cf. <i>pupa</i> Lebour 1925	+	–	–	–	–	–	–	–	–	–
sp.	–	+	–	–	–	–	–	–	–	–
Gymnodinium Stein 1878										
<i>aeruginosum</i> Stein 1883	–	–	–	–	–	–	f	–	–	–
<i>albuium</i> Lindemann 1928	–	+	?	–	–	–	–	–	–	–
<i>arcticum</i> Wulff 1916 (2, 4)	–	+	–	?	–	–	–	–	–	+
<i>aureolum</i> (Hulburt) G. Hansen 2000	+	–	–	–	–	–	–	–	–	–
[<i>Gyrodinium aureolum</i> Hulburt 1957]										
<i>catenatum</i> Graham 1943 (35)	+	–	–	–	–	–	–	–	–	–
<i>chlorophorum</i> Elbrächter & Schnepf 1996	+	–	–	–	–	–	–	–	–	–
<i>*elongatum</i> Hope 1954	+	–	+	+	–	–	–	–	–	–
<i>*endofasciculum</i> Campbell 1973	+	–	–	–	–	–	–	–	–	–
<i>fissum</i> Levander 1894 (36)	+	–	+	+	+	w	w	–	+	+
[<i>Spirodinium fissum</i> (Levander) Lemmermann 1900]										
[<i>Gyrodinium pavillardii</i> Biecheler 1952]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>vestificii</i> Schütt 1895	+	+	+	+	+	-	+	-	+	+
[? <i>Amphidinium extensum</i> Wulff 1916]										
* <i>wulffii</i> Schiller 1932-1933 (2)	-	-	+	+	-	-	-	-	+	+
sp.	+	+	+	+	+	+	+	-	+	+
<i>Gyrodinium</i> Kofoid & Swezy 1921										
*cf. <i>aciculatum</i> nom. ined. (Hansen & Larsen 1992)	+	-	-	-	-	-	-	-	-	-
* <i>calyptroglyphe</i> Lebour 1925	+	-	-	-	-	-	-	-	-	-
* <i>crassum</i> (Pouchet) Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
[<i>Gymnodinium crassum</i> Pouchet 1885]										
* <i>dominans</i> Hulburt 1957	+	-	-	-	-	-	-	-	-	-
<i>esturale</i> Hulburt 1957	-	-	-	-	-	-	-	-	+	-
* <i>fusiforme</i> Kofoid & Swezy 1921	+	+	+	+	?	-	-	-	-	-
*cf. <i>grave</i> (Meunier) Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
[<i>Spirodinium grave</i> Meunier 1910]										
*cf. <i>herbaceum</i> Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
* <i>longum</i> (Lohmann) Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
[<i>Cochlodinium longum</i> Lohmann 1908]										
*cf. <i>pepo</i> (Schütt) Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
[<i>Gymnodinium spirale</i> v. <i>pepo</i> Schütt 1895]										
*cf. <i>pingue</i> (Schütt) Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
[<i>Gymnodinium spirale</i> v. <i>pinguis</i> Schütt 1895]										
*cf. <i>pulchellum</i> nom. ined. (Hansen & Larsen 1992)	+	-	-	-	-	-	-	-	-	-
<i>resplendens</i> Hulburt 1957	+	-	-	-	-	-	-	-	-	-
* <i>spirale</i> (Bergh) Kofoid & Swezy 1921	+	+	+	+	+	-	+	-	+	-
[<i>Gymnodinium spirale</i> Bergh 1881]										
[<i>Spirodinium spirale</i> (Bergh) Schütt 1896]										
<i>uncatenum</i> Hulburt 1957	+	-	-	-	-	-	-	-	-	-
* <i>undulans</i> Hulburt 1957	+	-	-	-	-	-	-	-	-	-
sp.	+	+	+	+	+	-	+	-	+	+
<i>Katodinium</i> Fott 1957										
* <i>asymmetricum</i> (Massart) Loeblich III 1965	+	-	-	-	-	-	-	-	-	-
[<i>Gymnodinium asymmetricum</i> Massart 1920]										
[<i>Massartia asymmetrica</i> (Massart) Schiller 1933]										
* <i>fungiforme</i> (Anissimowa) Loeblich III 1965 (2, 4)	+	+	+	+	+	-	+	-	+	-
[<i>Gymnodinium fungiforme</i> Anissimowa 1926]										
* <i>glaucum</i> (Lebour) Loeblich III 1965	+	+	+	+	+	+	-	-	+	+
[<i>Spirodinium glaucum</i> Lebour 1917]										
[<i>Gyrodinium glaucum</i> (Lebour) Kofoid & Swezy 1921]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
*vorticella (Stein) Loeblich III 1965 (4) [<i>Gymnodinium vorticella</i> Stein 1878] [<i>Massartia vorticella</i> (Stein) Schiller 1932]	-	-	-	-	-	-	f	-	-	-
sp.	+	+	+	+	+	-	+	-	+	+
Polykrikos Bütschli 1873										
*schwartzii Bütschli 1873 [<i>Polykrikos auricularia</i> Bergh 1881]	+	-	-	-	-	-	-	-	-	-
sp.	+	-	-	-	-	-	-	-	-	-
Proterythropsis Kofoid & Swezy 1921										
*vigilans Marshall 1925 [<i>Nematopsides vigilans</i> (Marshall) Greuet 1973]	+	-	-	-	-	-	-	-	-	-
Sclerodinium Dodge 1981										
*calyptroglyphe (Lebour) Dodge 1981 [<i>Gyrodinium calyptroglyphe</i> Lebour 1925]	+	-	-	-	-	-	-	-	-	-
Torodinium Kofoid & Swezy 1921										
robustum Kofoid & Swezy 1921	+	-	-	-	-	-	-	-	-	-
teredo (Pouchet) Kofoid & Swezy 1921 [<i>Gymnodinium teredo</i> Pouchet 1885]	+	-	-	-	-	-	-	-	-	-
Warnowia Lindemann 1928										
*parva (Lohmann) Lindemann 1928 [<i>Pouchetia parva</i> Lohmann 1908]	+	-	-	-	-	-	-	-	-	-
*cf. rosea (Pouchet) Kofoid & Swezy 1921 [<i>Gymnodinium polyphemus</i> v. <i>roseum</i> Pouchet 1879]	+	-	-	-	-	-	-	-	-	-
*sp.	-	-	-	-	-	-	+	-	+	+
Woioszynskia Thompson 1950										
hiemale (Wołoszyńska) Thompson 1950 (38) [<i>Gymnodinium hiemale</i> Wołoszyńska 1917]	-	-	fc	-	-	-	-	-	-	-
pascheri (Suchland) von Stosch 1973 (38, 39) [<i>Glenodinium pascheri</i> Suchland 1916]	-	-	-	-	-	-	+	-	-	-
Order OXYRRHINALES										
*Oxyrrhis Dujardin 1841										
*marina Dujardin 1841 (15, 40)	+	+	+	-	-	-	+	-	-	-
Order NOCTILUCALES										
*Noctiluca Suriray ex Lamarck 1816										
*scintillans (Macartney) Kofoid & Swezy 1921 [<i>Medusa scintillans</i> Macartney 1810] [<i>Noctiluca miliaris</i> Suriray ex Lamarck 1816]	+	+	-	-	-	-	-	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>Pronoctiluca</i> Fabre-Domerque 1889										
* <i>pelagica</i> Fabre-Domerque 1889	+	-	-	-	-	-	-	-	-	-
[<i>Rhynchomonas marina</i> Lohmann 1902]										
[<i>Pelagorhynchus marina</i> Pavillard 1917]										
[<i>Protodiniifer marinum</i> (Lohmann) Kofoed & Swezy 1921]										
* <i>Spathulodinium</i> J. & M. Cachon 1967										
* <i>pseudonociluca</i> (Pouchet) J. & M. Cachon ex Loeblich Jr. & Loeblich III 1969]	+	-	-	-	-	-	-	-	-	-
[<i>Gymnodinium pseudonociluca</i> Pouchet 1885]										
Order ACTINISCALES										
* <i>Actiniscus</i> Ehrenberg 1841										
* <i>pentasterias</i> (Ehrenberg) Ehrenberg 1854	+	-	-	-	-	-	-	-	-	-
[<i>Dictyocha pentasterias</i> Ehrenberg 1841]										
[<i>Gymnaster pentasterias</i> (Ehrenberg) Schütt 1891]										
Order PHYTODINIALES (BLASTODINIALES)										
<i>Dissodinium</i> Klebs in Pascher 1916 emend. Elbrächter & Drebes 1978										
<i>pseudolunula</i> Swift ex Elbrächter & Drebes 1978	+	+	+	+	+	-	-	-	-	-
[<i>Gymnodinium lunula</i> Schütt 1895 p.p.]										
[<i>Pyrocystis lunula</i> (Schütt) Schütt 1896 p.p.]										
[<i>Pyrocystis lunula</i> sensu Apstein 1906]										
[<i>Dissodinium lunula</i> (Schütt) Pascher 1916 p.p.]										
Order PERIDINIALES										
<i>Amphidiniopsis</i> Wołoszyńska 1929										
<i>kofoedii</i> Wołoszyńska 1929	-	-	+	-	-	+	-	-	-	-
sp.	-	-	+	+	+	-	+	-	+	-
* <i>Diplopelta</i> Stein ex E. Jørgensen 1912										
* <i>pusilla</i> Balech & Akselman 1988	+	-	-	-	-	-	-	-	-	-
* <i>Diplopsalis</i> Bergh 1881										
* <i>lenticula</i> Bergh 1881	+	-	-	-	-	-	-	-	-	-
[<i>Glenodinium lenticula</i> (Bergh) Pouchet 1883]										
[<i>Dissodium lenticulum</i> (Bergh) Loeblich III 1970]										
sp.	-	-	+	-	-	-	-	-	-	-
* <i>Diplopsalopsis</i> Meunier 1910										
* <i>bomba</i> (Stein ex E. Jørgensen) Dodge & Toriumi 1993]	+	-	-	-	-	-	-	-	-	-
[<i>Diplopsalis lenticula</i> Stein 1883]										
[<i>Peridiniopsis asymmetrica</i> Mangin 1911]										
[<i>Diplopelta bomba</i> Stein ex E. Jørgensen 1912]										

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Katodinium rotundatum</i> (Lohmann) Fott 1957 <i>comb. inval.</i>]										
[<i>Katodinium rotundatum</i> (Lohmann) Loeblich III 1965]										
triquetra (Ehrenberg) Stein 1883	w	w	w	w	w	w	w	w	w	–
[<i>Glenodinium triquetrum</i> Ehrenberg 1840]										
[<i>Properidinium heterocapsa</i> Meunier 1919]										
[<i>Peridinium "triqueta"</i> (Ehrenberg) Lebour 1925 <i>lapsus pennae</i>]										
*Kolkwitzella Lindemann 1919										
*acuta (Apstein) Elbrächter 1993	f	f	f	–	–	–	f	–	–	+
[<i>Glenodinium acutum</i> Apstein 1896]										
[<i>Diplopsalis acuta</i> (Apstein) Entz 1904]										
[<i>Peridinium latum</i> Paulsen 1908]										
[<i>Kolkwitzella salebrosa</i> Lindemann 1919]										
[<i>Entzia acuta</i> (Apstein) Lebour 1922]										
[<i>Kolkwitzella salebrosa</i> v. <i>gibbera</i> Lindemann 1924]										
[<i>Kolkwitzella gibbera</i> (Lindemann) Lindemann 1928]										
[<i>Apsteinia acuta</i> Abé 1981 <i>nom. nud.</i>]										
Kryptoperidinium Lindemann 1924										
foliaceum (Stein) Lindemann 1924	+	+	+	–	–	w	w	w	+	w
[<i>Glenodinium foliaceum</i> Stein 1883]										
[<i>Peridinium umbo</i> Sjöstedt 1924]										
[<i>Phyllodinium scutellaris</i> Conrad 1926]										
*Oblea Balech 1964										
*baculifera Balech 1964 (4)	+	–	–	–	–	–	–	–	–	–
*rotunda (Lebour) Balech ex Sournia 1973	w	w	w	w	w	w	w	w	w	w
[<i>Peridiniopsis rotunda</i> Lebour 1922]										
[<i>Peridinium limnophilum</i> Lindemann 1924]										
[<i>Glenodinium rotundum</i> (Lebour) Schiller 1937]										
[<i>Diplopsalis rotunda</i> (Lebour) Wood 1968]										
[<i>Diplopsalis rotundata</i> Steidinger & Williams 1970 <i>nom. inval.</i>]										
Pentapharsodinium Indelicato & Loeblich III 1986										
dalei Indelicato & Loeblich III 1986	+	–	–	–	–	–	–	–	–	–
[<i>Peridinium faeroense</i> sensu Dale 1977]										
[<i>Scrippsiella faeroense</i> sensu Dodge 1982]										
[<i>Peridinium dalei</i> (Indelicato & Loeblich III) Balech 1990]										
Peridiniopsis Lemmermann 1904										
borgei Lemmermann 1904	–	–	–	–	–	–	–	f	f	–
[<i>Peridinium borgei</i> (Lemmermann) Lemmermann 1910]										
[<i>Glenodinium borgei</i> (Lemmermann) Schiller 1937]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>dinobryonis</i> (Woloszyńska) Bourrelly 1968 [<i>Staszcicella dinobryonis</i> Woloszyńska 1916] [<i>Glenodinium dinobryonis</i> (Woloszyńska) Schiller 1937]	–	–	f	–	–	–	–	–	–	–
<i>penardiforme</i> (Lindemann) Bourrelly 1968 (4) [<i>Peridinium penardiforme</i> Lindemann 1918 [<i>Glenodinium penardiforme</i> (Lindemann) Schiller 1937]	–	–	–	–	–	–	f	–	–	–
<i>penardii</i> (Lemmermann) Bourrelly 1968 [<i>Peridinium cinctum</i> Pénard 1891] [non <i>Peridinium cinctum</i> (O.F. Müller) Ehrenberg 1838] [<i>Glenodinium penardii</i> Lemmermann 1900] [<i>Peridinium penardii</i> (Lemmermann) Lemmermann 1910]	–	–	f	–	–	–	f	–	–	–
<i>polonicum</i> (Woloszyńska) Bourrelly 1968 [? <i>Glenodinium gymnodium</i> Pénard 1891] [<i>Peridinium polonicum</i> Woloszyńska 1916]	–	f	f	–	–	f	f	–	+	–
<i>quadridens</i> (Stein) Bourrelly 1968 [<i>Peridinium quadridens</i> Stein 1883] [<i>Glenodinium quadridens</i> (Stein) Schiller 1935]	f	–	–	–	–	–	–	–	–	–
<i>Peridinium</i> Ehrenberg 1832										
<i>cinctum</i> (O.F. Müller) Ehrenberg 1838 [<i>Vorticella cincta</i> O.F. Müller 1786] [<i>Peridinium tabulatum</i> Pénard 1891]	–	f	–	–	–	f	f	–	–	–
<i>greniandicum</i> Woloszyńska 1929	+	–	+	–	–	–	–	–	–	–
<i>inconspicuum</i> Lemmermann 1899 [<i>Peridinium umbonatum</i> Stein 1883 <i>sensu</i> Popovský & Pfeister 1986 <i>p.p.</i>]	–	f	–	–	–	–	f	–	–	f
<i>palatinum</i> Lauterborn 1896	–	–	–	–	–	–	f	–	–	–
<i>pusillum</i> (Pénard) Lemmermann 1901 [<i>Glenodinium pusillum</i> Pénard 1891] [<i>Peridinium umbonatum</i> Stein 1883 <i>sensu</i> Popovský & Pfeister 1986 <i>p.p.</i>]	–	–	–	–	–	–	f	–	–	–
<i>umbonatum</i> Stein 1883	–	–	–	–	–	+	–	–	–	–
<i>willei</i> Huitfeld-Kaas 1900 [<i>Peridinium volzii</i> Lemmermann 1905] [? <i>Peridinium tabulatum</i> (Ehrenberg) Levander 1894]	–	–	–	–	–	?	f	–	–	–
sp.	–	–	–	–	–	–	+	–	+	–
*<i>Preperidinium</i> Mangin 1913										
*<i>meunieri</i> (Pavillard) Elbrächter 1993 [<i>Peridinium meunieri</i> Pavillard 1912] [<i>Diplopsalis lenticula</i> f. <i>minor</i> Paulsen 1907] [<i>Peridinium lenticulatum</i> Mangin 1911] [non <i>Peridinium lenticulatum</i> Fauré-Frémiet 1908]	+	+	w	+	w	w	w	–	w	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Peridinium paulsenii</i> Mangin 1911]										
[non <i>Peridinium paulsenii</i> Pavillard 1909]										
[<i>Diplopetopsis minor</i> (Paulsen) Pavillard 1913]										
[<i>Diplopsalis minor</i> (Paulsen) Lindemann 1927]										
[<i>Glenodinium lenticula</i> f. <i>minor</i> (Paulsen) Schiller 1937]										
[<i>Zygabikodinium lenticuiatum</i> (Mangin) Loeblich Jr. & Loeblich III 1970]										
[<i>Peridiniopsis minor</i> (Paulsen) Starmach 1974]										
[<i>Diplopsaiopsis minor</i> (Paulsen) Abé 1981]										
*Protoperidinium Bergh 1881 <i>emend.</i> Balech 1974										
*achromaticum (Levander) Balech 1974	+	–	+	+	W	W	W	–	W	W
[<i>Peridinium achromaticum</i> Levander 1902]										
*aveilana (Meunier) Balech 1974 (42)	–	–	–	–	+	–	+	–	+	+
[<i>Properidinium aveilana</i> Meunier 1919]										
[<i>Peridinium avellana</i> (Meunier) Lebour 1925]										
*bipes (Paulsen) Balech 1974	C	C	C	C	C	C	C	C	C	+
[<i>Glenodinium bipes</i> Paulsen 1904]										
[<i>Peridinium minusculum</i> Pavillard 1905]										
[<i>Minuscula bipes</i> (Paulsen) Lebour 1925]										
[<i>Protoperidinium minusculum</i> auct.]										
*breve (Paulsen) Balech 1974	+	+	?	–	–	–	–	–	–	–
[<i>Peridinium steinii</i> f. <i>brevis</i> Paulsen 1905]										
[<i>Peridinium breve</i> (Paulsen) Paulsen 1907]										
[<i>Protoperidinium pyriforme</i> ssp. <i>breve</i> (Paulsen) Balech 1971]										
*brevipes (Paulsen) Balech 1974 (43)	CW	CW	CW	CW	CW	CW	CW	CW	CW	+
[<i>Peridinium brevipes</i> Paulsen 1908]										
[<i>Peridinium varicans</i> Paulsen 1911]										
[<i>Peridinium incurvum</i> Lindemann 1924]										
cf. *brochii (Kofoid & Swezy) Balech	+	–	–	–	–	–	–	–	–	–
[<i>Peridinium brochii</i> Kofoid & Swezy 1921]										
*cerasus (Paulsen) Balech 1973	+	–	–	–	–	–	–	–	–	–
[<i>Peridinium cerasus</i> Paulsen 1907]										
*claudicans (Paulsen) Balech 1974	+	–	–	–	–	–	–	–	–	–
[<i>Peridinium claudicans</i> Paulsen 1907]										
*conicoides (Paulsen) Balech 1973 (43)	+	–	–	–	–	–	–	–	–	–
[<i>Peridinium conicoides</i> Paulsen 1905]										
*conicum (Gran) Balech 1974	+	–	+	–	–	–	–	–	–	–
[<i>Peridinium divergens</i> v. <i>conicum</i> Gran 1900]										
[<i>Peridinium conicum</i> (Gran) Ostenfeld & Schmidt 1901]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Peridinium divergens</i> v. <i>oblongum</i> Aurivillius 1898]										
[<i>Peridinium divergens</i> (Ehrenberg) Bergh 1881 p.p.]										
[<i>Peridinium oblongum</i> (Aurivillius) P.T. Cleve 1900]										
[<i>Peridinium oceanicum</i> f. <i>oblonga</i> Broch 1906]										
[<i>Peridinium oceanicum</i> v. <i>oblongum</i> Paulsen 1908]										
[<i>Peridinium oceanicum</i> Schiller 1937 p.p.]										
[<i>Protoperidinium oceanicum</i> Balech 1974 p.p.]										
* oceanicum (Vanhöffen) Balech 1974 (47)	s	—	—	—	—	—	—	—	—	—
[<i>Peridinium oceanicum</i> Vanhöffen 1897]										
[<i>Peridinium divergens</i> v. <i>oceanicum</i> Ostenfeld 1899]										
[? <i>Peridinium depressum</i> v. <i>oceanica</i> auct.]										
* ovatum Pouchet 1883	+	+	+	—	—	—	—	—	—	—
[<i>Peridinium ovatum</i> (Pouchet) Schütt 1895]										
[<i>Peridinium globulus</i> v. <i>ovatum</i> (Pouchet) Schiller 1935]										
* pallidum (Ostenfeld) Balech 1973	c(w)	+	—	—	—	—	—	—	—	—
[<i>Peridinium pallidum</i> Ostenfeld 1899]										
* pellucidum Bergh 1881 (48)	c(w)	c	w	+	w	+	w	—	w	+
[<i>Peridinium pellucidum</i> (Bergh) Schütt 1895]										
* pentagonum (Gran) Balech 1974	+	—	—	—	—	—	—	—	—	—
[<i>Peridinium pentagonum</i> Gran 1902]										
[<i>Peridinium sinuosum</i> Lemmermann 1905]										
* punctulatum (Paulsen) Balech 1974	+	—	—	—	—	—	—	—	—	—
[<i>Peridinium punctulatum</i> Paulsen 1907]										
[<i>Peridinium subinerme</i> v. <i>punctulatum</i> (Paulsen) Schiller 1935]										
* pyriforme (Paulsen) Balech 1974	+	—	—	—	—	—	—	—	—	—
[<i>Peridinium steinii</i> f. <i>pyriformis</i> Paulsen 1905]										
[<i>Peridinium pyriforme</i> (Paulsen) Paulsen 1907]										
* roseum (Paulsen) Balech (48)	c	—	—	—	—	—	—	—	—	—
[<i>Peridinium roseum</i> Paulsen 1904]										
* steinii (E. Jørgensen) Balech 1974	+	+	+	—	—	—	—	—	—	—
[<i>Peridinium michaelis</i> Stein 1883]										
[non <i>Peridinium michaelis</i> Ehrenberg 1833]										
[<i>Peridinium steinii</i> E. Jørgensen 1900]										
* subinerme (Paulsen) Loeblich III 1969	+	—	—	—	—	—	—	—	—	—
[<i>Peridinium subinermis</i> Paulsen 1904]										
* thorianum (Paulsen) Balech 1973	+	—	—	—	—	—	—	—	—	—
[<i>Peridinium thorianum</i> Paulsen 1905]										
[<i>Properidinium thorianum</i> (Paulsen) Meunier 1919]										
sp.	+	+	+	+	+	—	+	—	+	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Gonyaulax triacantha</i> E. Jørgensen 1900]										
[<i>Ceratium</i> (?) <i>hyperboreum</i> P.T. Cleve 1900]										
[<i>Amylax lata</i> Meunier 1910]										
<i>Ceratium</i> Schrank 1793										
<i>arcticum</i> (Ehrenberg) P.T. Cleve 1900	+	+	?	-	-	-	-	-	-	-
[<i>Peridinium arcticum</i> Ehrenberg 1853]										
<i>arietinum</i> P.T. Cleve 1900	+	+	-	?	-	-	-	-	-	-
[<i>Ceratium tripos</i> v. <i>bucephalum</i> P.T. Cleve 1897]										
[<i>Ceratium bucephalum</i> (P.T. Cleve) P.T. Cleve 1900]										
[<i>Ceratium arietinum</i> v. <i>bucephalum</i> (P.T. Cleve) Sournia 1966]										
[<i>Ceratium arcuatum</i> auct. p.p.]										
<i>candelabrum</i> (Ehrenberg) Stein 1883	?	-	-	-	-	-	-	-	-	-
[<i>Peridinium candelabrum</i> Ehrenberg 1859]										
<i>furca</i> (Ehrenberg) Claparède & Lachmann 1859	w(c)	+	+	+	-	-	-	-	-	-
[<i>Peridinium furca</i> Ehrenberg 1833, 1836, 1838]										
<i>furcoides</i> (Levander) Langhans 1925	-	-	-	-	-	-	wf	-	-	-
[<i>Ceratium hirundinella</i> v. <i>furcoides</i> Levander 1894]										
[<i>Ceratium hirundinella</i> f. <i>furcoides</i> Schröder 1918]										
<i>fuscus</i> (Ehrenberg) Dujardin 1841	w(c)	+	+	?	-	-	-	-	-	-
[<i>Peridinium fuscus</i> Ehrenberg 1834]										
<i>hirundinella</i> (O.F. Müller) Schrank 1793	f	f	f	-	-	-	f	-	f	+
[<i>Bursaria hirundinella</i> O.F. Müller 1773]										
[<i>Ceratium hirundinella</i> f. <i>austriacum</i> (Zederbauer) Bachmann 1911]										
[<i>Ceratium hirundinella</i> f. <i>carinthiacum</i> (Zederbauer) Bachmann 1911]										
<i>horridum</i> (P.T. Cleve) Gran 1902	+	+	-	-	-	-	-	-	-	-
[<i>Ceratium tripos</i> v. <i>horridum</i> P.T. Cleve 1897]										
[<i>Ceratium tripos</i> v. <i>macroceros</i> f. <i>intermedia</i> E. Jørgensen 1900]										
[<i>Ceratium intermedium</i> (E. Jørgensen) E. Jørgensen 1905]										
[<i>Ceratium batavum</i> Paulsen 1907]										
<i>lineatum</i> (Ehrenberg) P.T. Cleve 1899	c	+	-	-	-	-	-	-	-	-
[<i>Peridinium lineatum</i> Ehrenberg 1854]										
[<i>Ceratium tripos</i> v. <i>subsalsa</i> f. <i>lineata</i> (Ehrenberg) Lohmann 1908]										
<i>longipes</i> (J.W. Bailey) Gran 1902	+	+	?	?	-	-	-	-	-	-
[<i>Peridinium longipes</i> J.W. Bailey 1855]										
[? <i>Ceratium longipes</i> v. <i>baltica</i> Ostenfeld 1903]										
[? <i>Ceratium longipes</i> v. <i>ventricosa</i> Ostenfeld 1903]										
<i>macroceros</i> (Ehrenberg) Vanhöffen 1897	+	+	+	?	-	-	-	-	-	-
[<i>Peridinium macroceros</i> Ehrenberg 1840]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
tripos (O.F. Müller) Nitzsch 1817	+	+	+	?	?	?	?	–	–	–
[<i>Cercaria tripos</i> O.F. Müller 1786]										
[<i>Peridinium tripos</i> (O.F. Müller) Ehrenberg 1833]										
[<i>Ceratium furca</i> v. <i>baltica</i> Möbius 1887]										
[<i>Ceratium tripos</i> v. <i>balticum</i> Schütt 1892]										
[<i>Ceratium tripos</i> f. <i>atlanticum</i> Ostenfeld 1903]										
[<i>Ceratium tripos</i> f. <i>subsalsum</i> Ostenfeld 1903]										
[<i>Ceratium tripos</i> v. <i>atlanticum</i> (Ostenfeld) Paulsen 1907]										
[<i>Ceratium tripos</i> v. <i>subsalsum</i> (Ostenfeld) Paulsen 1907]										
[<i>Ceratium tripos</i> f. <i>hiemalis</i> Paulsen 1907]										
[<i>Ceratium tripos</i> v. <i>subsalsum</i> f. <i>lineata</i> Lohmann 1908]										
sp.	+	–	–	–	–	–	–	–	–	–
Cladopyxis Stein 1883										
claytonii R.W. Holmes 1956	+	+	–	–	–	–	–	–	–	–
[<i>Micracanthodinium claytonii</i> (R.W. Holmes) Dodge 1982]										
setifera Lohmann 1902	+	–	+	–	–	–	–	–	–	–
[<i>Micracanthodinium setiferum</i> (Lohmann) Deflandre 1937]										
sp.	+	+	–	–	–	–	–	–	–	–
Fragilidium Balech ex Loeblich III 1965										
subglobosum (von Stosch) Loeblich III	+	–	–	–	–	–	–	–	–	–
[<i>Helgolandinium subglobosum</i> von Stosch 1969]										
Goniodoma Stein 1883										
polyedricum (Pouchet) E. Jørgensen 1900	+	+	–	–	–	–	–	–	–	–
[<i>Peridinium polyedricum</i> Pouchet 1883]										
[<i>Goniodoma acuminatum</i> Stein 1883]										
[<i>Heteraulacus polyedricus</i> Drugg & Loeblich Jr. 1967]										
[<i>Triadinium polyedricum</i> (Pouchet) Dodge 1981 (ICZN)]										
[non <i>Peridinium acuminatum</i> Ehrenberg 1834, 1838]										
Gonyaulax Diesing 1866										
apiculata (Pénard) Entz 1904	–	–	f	–	–	–	f	–	–	–
[<i>Peridinium apiculatum</i> Pénard 1891]										
digitale (Pouchet) Kofoid 1911	+	?	–	–	–	–	–	–	–	–
[<i>Protoperidinium digitale</i> Pouchet 1883]										
helensis Wołoszyńska 1928 (2)	–	–	+	–	–	–	–	–	–	–
polygramma Stein 1883	+	–	–	–	–	–	–	–	–	–
[<i>Protoperidinium pyrophorum</i> Pouchet 1883]										
[<i>Peridinium pyrophorum</i> (Pouchet) Lemmermann 1899]										
[<i>Gonyaulax schuettii</i> Lemmermann 1899]										
spinifera (Claparède & Lachmann) Diesing 1866	w	w	w	w	w	–	w	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Peridinium spiniferum</i> Claparède & Lachmann 1859]										
[<i>Peridinium</i> sp. Levander 1894]										
[<i>Peridinium levanderi</i> Lemmermann 1900]										
[<i>Gonyaulax levanderi</i> (Lemmermann) Paulsen 1907]										
<i>verior</i> Sournia 1973	W	W	W	W	W	—	W	W	W	—
[<i>Amylax diacantha</i> Meunier 1919]										
[<i>Gonyaulax longispina</i> Lebour 1925]										
[<i>Gonyaulax diacantha</i> (Meunier) Schiller 1937]										
[non <i>Gonyaulax diacantha</i> Athanassopoulos 1931]										
<i>Lingulodinium</i> Wall 1967 <i>emend.</i> Dodge 1989										
<i>polyedrum</i> (Stein) Dodge 1989	+	+	—	—	—	—	—	—	—	—
[<i>Gonyaulax polyedra</i> Stein 1883]										
<i>Oxytoxum</i> Stein 1883										
sp.	+	—	—	—	—	—	—	—	—	—
<i>Peridiniella</i> Kofoid & Michener 1911 <i>emend.</i> Balech 1977										
<i>catenata</i> (Levander) Balech 1977	?	C	C	C	C	C	C	C	C	C
[<i>Peridinium catenatum</i> Levander 1894]										
[<i>Amylax catenata</i> (Levander) Meunier 1910]										
[<i>Gonyaulax catenata</i> (Levander) Kofoid 1911]										
<i>Protoceratium</i> Bergh 1881										
<i>reticulatum</i> (Claparède & Lachmann) Bütschli 1885	W	W	W	W	W	W	W	W	W	W
[<i>Peridinium reticulatum</i> Claparède & Lachmann 1859]										
[<i>Protoceratium aceros</i> Bergh 1881]										
[<i>Gonyaulax grindleyi</i> Reinecke 1967]										
<i>Pyrophacus</i> Stein 1883										
<i>horologicum</i> Stein 1883	W	—	—	—	—	—	W	—	—	—

Division HAPTOPHYTA

Class Prymnesiophyceae (Haptophyceae) – Haptophyte algae

Order PRYMNESIALES

Acanthoica Lohmann 1903

quattrosipina Lohmann 1903

Balaniger Thomsen & Oates 1978

**balticus* Thomsen & Oates 1978

Braarudosphaera Deflandre 1947

bigelowii (Gran & Braarud) Deflandre 1947

Calciopappus Gaarder & Ramsfjell 1954 *emend.* Manton & Oates 1983

caudatus Gaarder & Ramsfjell 1954

Calypptosphaera Lohmann 1902

sp.

+	—	—	—	—	—	—	—	—	—	—
+	+	—	—	—	—	+	—	—	+	—
+	—	—	—	—	—	—	—	—	—	—
+	—	—	—	—	—	—	—	—	—	—
+	—	—	—	—	—	—	—	—	—	—

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>spinifera</i> (Fournier) Pienaar & Norris 1979	+	+	-	-	+	-	+	+	+	-
[<i>Chrysocampanula spinifera</i> Fournier 1971]										
<i>strobilus</i> Parke & Manton in Parke, Manton & Clarke 1959	+	-	-	-	-	-	?	-	-	-
<i>tenuispina</i> Manton 1978	+	-	-	-	-	-	-	-	-	-
<i>throndsenii</i> Eikrem 1996	+	-	-	-	-	-	-	-	-	-
sp.	+	+	-	-	-	-	+	+	+	+
<i>Coccolithus</i> Schwarz 1894										
<i>pelagicus</i> (Wallich) Schiller 1930	-	+	+	+	+	-	+	-	+	+
[<i>Coccosphaera pelagica</i> Wallich 1877]										
[? <i>Coccosphaera atlantica</i> Ostenfeld 1899] (49)										
<i>Coronosphaera</i> Gaarder in Gaarder & Heimdal 1977										
<i>mediterranea</i> (Lohmann) Gaarder in Gaarder & Heimdal 1977	+	-	-	-	-	-	-	-	-	-
[<i>Syracosphaera mediterranea</i> Lohmann 1902]										
<i>Discosphaera</i> Haeckel 1894										
<i>tubifer</i> (Murray & Blackman) Ostenfeld 1900 (16, 50)	-	-	?	-	-	-	-	-	-	-
[<i>Rhabdosphaera tubifer</i> Murray & Blackman 1898]										
<i>Emiliania</i> Hay & Mohler in Hay <i>et al.</i> 1967										
<i>huxleyi</i> (Lohmann) Hay & Mohler 1967 (51)	+	-	-	-	-	-	?	-	-	-
[<i>Pontosphaera huxleyi</i> Lohmann 1902]										
[<i>Coccolithus huxleyi</i> (Lohmann) Kamptner 1943]										
[<i>Gephyrocapsa huxleyi</i> (Lohmann) Reinhardt 1972]										
<i>Imantonia</i> Reynolds 1974										
<i>rotunda</i> Reynolds 1974	+	-	-	-	-	-	-	-	-	-
* <i>Pappomonas</i> Manton & Oates 1975										
* <i>flabellifera</i> Manton & Oates 1975										
v. <i>flabellifera</i>	+	-	-	-	-	-	-	-	-	-
v. <i>borealis</i> Manton, Sutherland & McCully 1976	+	-	-	-	-	-	-	-	-	-
* <i>virgulosa</i> Manton & Sutherland 1975	+	-	-	-	-	-	+	-	-	-
<i>Papposphaera</i> Tangen 1972										
<i>lepida</i> Tangen 1972 (50)	+	-	-	-	-	-	-	-	-	-
<i>Phaeocystis</i> Lagerheim 1893										
<i>amoeboides</i> Büttner 1911 (2, 52)	+	-	-	-	-	-	-	-	-	-
<i>pouchetii</i> (Hariot) Lagerheim 1893	+	+	+	-	-	-	-	-	-	-
[<i>Tetraspora Poucheti</i> Hariot in Pouchet 1892]										
<i>sphaeroides</i> Büttner 1911 (2, 52)	+	-	-	-	-	-	-	-	-	-
sp.	+	-	-	-	-	-	-	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Pleurochrysis</i> E.G. Pringsheim 1955 <i>emend.</i> Gayral & Fresnel 1983										
<i>carterae</i> (Braarud & Fagerland) Christensen 1978	+	+	–	–	–	–	+	–	–	–
[<i>Syracosphaera carterae</i> Braarud & Fagerland 1946]										
[<i>Hymenomonas carterae</i> (Braarud & Fagerland) Braarud 1954]										
[<i>Cricosphaera carterae</i> (Braarud & Fagerland) Braarud 1960]										
[<i>Apistonema pyrenigerum</i> Pascher 1931 <i>sensu</i> Wærn 1952]										
[<i>Hymenomonas roseola</i> <i>sensu</i> Levander 1894, 1901, A. Luther 1933]										
<i>Prymnesium</i> Massart ex Conrad 1926										
<i>nemamethecum</i> Pienaar & Birkhead 1994	?	–	–	–	–	–	–	–	–	–
<i>parvum</i> N. Carter 1937	+	+	+	?	?	?	+	+	+	–
<i>patellifera</i> Green, Hibberd & Pienaar 1982	?	–	–	–	–	–	+	–	–	–
sp.	+	+	–	–	–	–	+	–	+	+
<i>Trigonaspis</i> Thomsen 1980										
<i>diskoensis</i> Thomsen 1980	+	–	–	–	–	–	–	–	–	–
<i>minutissima</i> Thomsen 1980	+	–	–	–	–	–	–	–	–	–
<i>Turrisphaera</i> Manton, Sutherland & Oates 1976										
<i>arctica</i> Manton, Sutherland & Oates 1976	+	–	–	–	–	–	–	–	–	–
<i>Wigwamma</i> Manton, Sutherland & Oates 1977										
<i>arctica</i> Manton, Sutherland & Oates 1977	+	–	–	–	–	–	–	–	–	–
<i>scenozonion</i> Thomsen 1980	+	–	–	–	–	–	–	–	–	–
Order PAVLOVALES										
<i>Paviova</i> Butcher 1952										
<i>lutheri</i> (Droop) Green 1975 (22)	–	–	–	–	–	–	+	–	–	–
[<i>Monochrysis lutheri</i> Droop 1953]										
sp. (53)	+	–	–	–	+	–	+	–	–	–

Division CHRYSOPHYTA (HETEROKONTOPHYTA)

Class **Chrysophyceae** – Golden-brown algae

Order OCHROMONADALES

****Anthophysa*** Bory 1822

****vegetans*** (O.F. Müller) Stein 1878

[*Volvox vegetans* O.F. Müller 1786]

Bitrichia Wołoszyńska 1914

chodatii (Reverdin) R. Chodat

[*Diceras chodatii* Reverdin 1917]

Chrysidiastrium Lauterborn 1913 (54)

catenatum Lauterborn 1913

Chrysococcus Klebs 1892 (1893)

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
	–	–	lf	–	–	–	lf	–	–	–
	–	–	–	–	–	–	f	–	–	–
	–	–	–	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>biporus</i> Skuja	–	–	–	–	–	–	f	–	–	+
<i>minutus</i> (Fritsch) Nygaard	–	–	–	–	–	–	f	–	–	+
[<i>Trachelomonas volvocina</i> f. <i>minuta</i> Fritsch]										
<i>rufescens</i> Klebs 1892 (1893)	–	–	–	f	–	–	f	–	–	+
sp.	–	–	+	–	–	–	–	–	+	+
<i>Chrysolykos</i> Mack 1951 <i>emend.</i> Nauwerck 1979										
<i>planctonicus</i> Mack 1951	–	–	–	–	–	–	f	–	–	–
<i>Chrysosphaerella</i> Lauterborn 1896										
<i>annulata</i> Kristiansen & Tong 1989 (55)	–	–	–	–	–	–	f	–	–	–
<i>brevispina</i> Korshikov 1942 <i>emend.</i> Harris & Bradley 1958 (55)	–	–	–	–	–	–	f	–	–	–
[<i>Chrysosphaerella rodhei</i> Skuja 1948]										
[<i>Chrysosphaerella conradii</i> Bourrelly 1957]										
<i>coronacircumspina</i> Wujek & Kristiansen <i>in</i> Wujek, Gretz & Wujek 1977 (55)	–	–	–	–	–	–	f	–	–	–
<i>Dinobryon</i> Ehrenberg 1935										
<i>acuminatum</i> Ruttner	–	–	f	–	–	f	f	–	–	–
<i>balticum</i> (Schütt) Lemmermann 1901	+	+	+	+	+	+	+	–	+	–
[<i>Dinodendron balticum</i> Schütt 1892]										
[<i>Dinobryon pellucidum</i> Levander 1894]										
<i>bavaricum</i> Imhof 1890	–	–	f	–	–	–	f	–	f	f
[<i>Dinobryon stipitatum</i> ssp. <i>bavaricum</i> (Imhof) Pascher 1913]										
[<i>Dinobryon sociale</i> v. <i>bavaricum</i> (Imhof) Bachmann]										
<i>borgei</i> Lemmermann	–	–	–	–	–	–	f	–	–	–
<i>cylindricum</i> Imhof 1890	–	–	f	–	–	–	f	–	–	f
<i>divergens</i> Imhof 1890	f	f	f	f	–	f	f	–	f	+
[<i>Dinobryon cylindricum</i> v. <i>divergens</i> (Imhof) Lemmermann 1900]										
[<i>Dinobryon sertularia</i> v. <i>divergens</i> (Imhof) Zacharias]										
<i>faculiferum</i> (Willén) Willén 1992	+	+	+	+	+	+	+	+	+	+
[<i>Dinobryon petiolatum</i> Willén 1963]										
[non <i>Dinobryon petiolatum</i> Dujardin 1841]										
<i>pediforme</i> (Lemmermann) Steinecke	–	–	–	–	–	–	–	–	–	+
<i>sertularia</i> Ehrenberg 1838	f	–	f	–	–	f	f	–	f	–
<i>sociale</i> Ehrenberg 1832										
v. <i>sociale</i>	f	–	f	–	–	f	f	–	f	f
v. <i>stipitatum</i> (Stein) Lemmermann	–	f	–	–	f	–	–	–	–	–
[<i>Dinobryon stipitatum</i> Stein]										
[<i>Dinobryon sociale</i> v. <i>elongatum</i> (Imhof) Lemmermann]										
<i>suecicum</i> Lemmermann 1904	–	–	–	–	–	–	f	–	f	f
sp.	+	+	+	+	+	–	+	–	+	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Epipyxis</i> Ehrenberg 1838										
<i>tabellariae</i> (Lemmermann) G.M. Smith 1950	-	-	-	-	-	-	f	-	-	-
[<i>Dinobryon utriculus</i> v. <i>tabellariae</i> Lemmermann]										
[<i>Dinobryon tabellariae</i> (Lemmermann) Pascher 1913]										
sp.	-	-	-	-	-	-	+	-	-	-
<i>Kephyrion</i> Pascher 1911										
<i>hemisphaericum</i> (Lackey) Conrad	-	-	-	-	-	-	f	-	-	-
[<i>Chrysococcus hemisphaericum</i> Lackey]										
<i>ovale</i> (Lackey) Huber-Pestalozzi	-	-	-	-	-	-	f	-	-	f
[<i>Chrysococcus ovalis</i> Lackey]										
<i>rubri-claustri</i> Conrad	-	-	-	-	-	-	-	-	-	+
<i>sitta</i> Pascher	-	-	-	-	-	-	f	-	-	-
<i>skujae</i> Ettl	-	-	-	-	-	-	f	-	-	-
<i>spirale</i> (Lackey) Conrad	-	-	-	-	-	-	-	-	-	f
sp.	-	-	-	-	-	-	+	-	-	f
<i>Lepidochrysis</i> Ikävalko, Kristiansen & Thomsen 1994										
<i>glomerifera</i> (Clarke & Pennick) Ikävalko, Kristiansen & Thomsen 1994	-	-	-	-	-	-	+	-	-	-
[<i>Syncrypta glomerifera</i> Clarke & Pennick 1975]										
<i>Ochromonas</i> Wyssotzski 1887										
sp.	+	+	+	+	+	-	+	-	+	+
<i>Ollicola</i> Vørs 1992										
<i>vangoorii</i> (Conrad) Vørs 1992	+	+	+	+	+	-	+	+	+	+
[<i>Codonomonas Van Goorii</i> Conrad 1938]										
[<i>Calycomonas wulffii</i> Conrad & Kufferath 1954]										
[<i>Calycomonas vangoorii</i> (Conrad) Lund 1960]										
[<i>Calycomonas gracilis</i> auct.]										
*<i>Paraphysomonas</i> de Saedeleer 1929										
*<i>antarctica</i> Takahashi 1987 (55)	-	-	-	-	-	-	c	-	-	-
*<i>butcheri</i> Pennick & Clarke 1972	+	-	-	-	-	-	+	-	-	-
[<i>Paraphysomonas inconspicua</i> Takahashi 1976]										
*<i>caellfrica</i> Preisig & Hibberd 1982 (55)	-	-	-	-	-	-	f	-	-	-
*<i>circumvallata</i> Thomsen in Thomsen <i>et al.</i> 1981	-	-	-	-	-	-	f	-	-	-
*<i>corynephora</i> Preisig & Hibberd 1982 (55)	-	-	-	-	-	-	f	-	-	-
*<i>cribosa</i> Lucas 1968	+	-	-	-	-	-	-	-	-	-
*<i>cylicophora</i> Leadbeater 1972 (55)	+	-	-	-	-	-	+	-	-	-
*<i>diademifera</i> (Takahashi) Preisig & Hibberd 1982	-	-	-	-	-	-	f	-	-	+
[<i>Ochromonas diademifera</i> Takahashi 1972]										
[<i>Lepidochromonas diademifera</i> (Takahashi) Kristiansen 1980]										
*<i>foraminifera</i> Lucas 1967	+	-	-	-	-	-	+	-	-	-
*<i>gladiata</i> Preisig & Hibberd 1982 (55)	-	-	-	-	-	-	f	-	-	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>*imperforata</i> Lucas 1967	+	-	-	-	-	-	+	-	+	+
<i>*oligocycla</i> Takahashi 1987	-	-	-	-	-	-	c	-	c	c
<i>*punctata</i> Zimmermann in Thomsen <i>et al.</i> 1981	-	-	-	-	-	-	f	-	-	+
<i>*sideriophora</i> Thomsen 1975	+	-	-	-	-	-	-	-	-	-
<i>*stelligera</i> Preisig & Hibberd 1982	-	-	-	-	-	-	f	-	-	+
<i>*subquadranguiaris</i> Preisig & Hibberd 1982 (55)	-	-	-	-	-	-	f	-	-	-
<i>*subrotacea</i> Thomsen in Thomsen <i>et al.</i> 1981	-	-	-	-	-	-	f	-	-	-
<i>*takahashii</i> Cronberg & Kristiansen 1980 (55)	-	-	-	-	-	-	f	-	f	+
<i>*vestita</i> (Stokes) de Saedeleer 1929										
[<i>Physomonas vestita</i> Stokes 1885]										
ssp. <i>vestita</i>	+	-	-	-	-	-	+	-	+	+
ssp. <i>truncata</i> Preisig & Hibberd 1982	-	-	-	-	-	-	f	-	-	-
*sp.	+	-	-	-	-	-	+	-	+	+
<i>Polylepidomonas</i> Preisig & Hibberd 1983										
<i>vacuolata</i> (Thomsen) Preisig & Hibberd 1983	+	-	-	-	-	-	+	-	?	?
[<i>Paraphysomonas vacuolata</i> Thomsen in Thomsen <i>et al.</i> 1981]										
<i>Spiniferomonas</i> Takahashi 1973										
<i>bilacunosa</i> Takahashi 1973 (55)	-	-	-	-	-	-	f	-	-	-
<i>bourrelyi</i> Takahashi 1973 (" <i>bourrellii</i> ") (55)	-	-	-	-	-	-	f	-	-	-
[<i>Paraphysomonas bourrelyi</i> (Takahashi) Preisig & Hibberd 1982]										
[<i>Spiniferomonas conica</i> Takahashi 1973]										
[<i>Spiniferomonas andersonii</i> Green 1979]										
<i>cornuta</i> Balonov 1978 (55)	-	-	-	-	-	-	f	-	-	-
<i>serrata</i> Nicholls 1981 (55)	-	-	-	-	-	-	f	-	-	-
<i>silverensis</i> Nicholls 1984 (55)	-	-	-	-	-	-	f	-	-	-
<i>takahashii</i> Nicholls 1981 (55)	-	-	-	-	-	-	f	-	-	-
<i>trioralis</i> Takahashi 1973	-	-	-	-	-	-	f	-	-	?
[<i>Chromophysomonas trioralis</i> (Takahashi) Preisig & Hibberd 1982]										
sp. (55)	-	-	-	-	-	-	-	-	-	+
<i>Spumella</i> Cienkowski 1870 (56)										
[<i>Monas</i> O.F. Müller 1773]										
sp.	-	+	+	+	+	-	+	-	+	+
<i>Syncrypta</i> Ehrenberg 1833 (15)										
<i>danubiensis</i> (Schiller) Bourrelly (2)	-	-	f	-	-	-	-	-	-	-
<i>Uroglena</i> Ehrenberg 1835										
<i>americana</i> Calkins 1892	-	+	+	+	w	-	w	w	w	w
[<i>Uroglenopsis americana</i> (Calkins) Lemmermann 1899]										
<i>marina</i> Büttner 1911 (2)	+	-	-	-	-	-	-	-	-	-
<i>volvox</i> Ehrenberg 1838	-	-	-	-	-	-	(f)	-	-	-
sp.	-	-	-	-	-	-	-	+	+	-

Order PARMALES

Triparma Booth & Marchant 1987
sp. (55)

KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
-	-	-	-	-	-	-	-	+	-

Order STICHOGLOEAELES

Stichogloea R. Chodat 1897
doederleinii (Schmidle) Wille 1911
[*Oodesmus doederleinii* Schmidle 1902]

-	-	-	-	-	-	f	-	-	-
---	---	---	---	---	---	---	---	---	---

Order PEDINELLALES (57)

**Actinomonas* Kent 1880 (1882?)

**mirabilis* Kent 1880 (58)

Apedinella Throndsen 1971

radians (Lohmann) Campbell 1973

[*Meringosphaera radians* Lohmann 1908]

[*Pseudopedinella spinifera* Throndsen 1969]

[*Apedinella spinifera* (Throndsen) Throndsen 1971

sp.

**Ciliophrys* Cienkowski 1876

**infusum* Cienkowski 1876

[*Ciliophrys marina* Caullery 1909]

**Parapedinella* S.M. Pedersen & Thomsen 1986

**reticulata* S.M. Pedersen & Thomsen 1986

Pseudopedinella N. Carter 1937

elastica Skuja 1948

pyriforme N. Carter 1937

tricostata (Rouchijajnen) Thomsen 1988

[*Pedinella tricostata* Rouchijajnen 1966]

sp.

**Pteridomonas* Pénard 1890

**danica* Patterson & Fenchel 1985 (58)

*sp.

+	-	-	-	-	-	+	-	-	-
+	+	-	-	-	-	+	-	+	-
-	-	-	-	-	-	-	-	+	-
+	-	-	-	-	-	+	-	-	-
+	-	-	-	-	-	-	-	-	-
+	-	-	-	-	-	-	-	-	-
-	-	+	-	-	-	+	-	-	-
+	-	-	-	-	-	-	-	-	-
+	+	+	+	+	-	+	-	+	+
+	-	-	-	-	-	+	+	+	-
+	-	-	-	-	-	+	-	-	-
+	-	-	-	-	-	-	-	-	-

Class Dictyochophyceae

Order DICTYOCHEALES

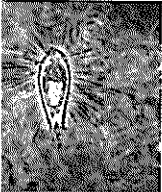
Dictyocha Ehrenberg 1839 ?1837

fibula Ehrenberg 1839

speculum Ehrenberg 1839

[*Distephanus speculum* (Ehrenberg) Haeckel 1887]

+	-	-	-	-	-	-	-	-	-
+	+	+	-	-	-	-	-	-	-



Class Synurophyceae

Order SYNURALES

Mallomonas Perty 1851

acaroides Perty 1851 *emend.* Ivanov 1899

actinoloma Takahashi *in* Asmund & Takahashi 1969

v. maramuresensis Péterfi & Momeu 1976 (55)

akrokomos Ruttner *in* Pascher 1913 (55, 59)

allorgei (Deflandre) Conrad 1933

[*Pseudomallomonas allorgei* Deflandre 1932]

alpina Pascher & Ruttner 1913 *emend.* Asmund & Kristiansen 1986

annulata (Bradley) Harris 1967 (55)

[*Mallomonas papillosa v. annulata* Bradley 1966]

calceolus Bradley 1964 (55)

caudata Ivanov 1899 *emend.* W. Krieger 1930

[*Mallomonas fastigata* Zacharias 1903]

[*Mallomonas caudata v. fastigata* (Zacharias) W. Krieger 1930]

[*Mallomonas fastigata v. kriegei* Bourrelly 1957]

crassisquama (Asmund) Fott 1962

[*Mallomonas acaroides v. crassisquama* Asmund 1959]

elongata Reverdin 1919 (55)

*eo*a Takahashi *in* Asmund & Takahashi 1969 (55)

hamata Asmund 1959 (55)

heterospina Lund 1942 (55)

cf. *mangofera* Harris & Bradley 1960 (55)

multiunca Asmund 1956 (55)

oviformis Nygaard 1949 (55)

paxillata (Bradley) Péterfi & Momeu 1976 (55)

[*Mallomonopsis paxillata* Bradley 1966]

producta Ivanov 1899 (2)

punctifera Korshikov 1941 (55)

[*Mallomonas elegans* Lemmermann *v. puichella* Kisselev 1931]

[*Mallomonas reginae* Teiling 1946]

[*Mallomonas puichella* (Kisselev) Cronberg & Kristiansen 1980]

cf. *schwemmlei* Glenk 1956 *emend.* Glenk & Fott 1971 (55)

scrobiculata Nicholls 1984 (55)

striata Asmund 1959 (55)

tonsurata Teiling 1912 *emend.* W. Krieger 1930

[*Mallomonas heterotricha* Nygaard 1949]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>acaroides</i>	—	—	f	—	—	—	f	—	—	—
<i>actinoloma</i>	—	—	—	—	—	—	f	—	—	—
<i>v. maramuresensis</i>	—	—	f	—	—	—	f	—	—	?
<i>akrokomos</i>	—	—	—	—	—	—	f	—	—	—
<i>allorgei</i>	—	—	—	—	—	—	f	—	—	—
[<i>Pseudomallomonas allorgei</i>]										
<i>alpina</i>	—	—	—	—	—	—	f	—	—	?
<i>annulata</i>	—	—	—	—	—	—	f	—	—	—
[<i>Mallomonas papillosa v. annulata</i>]										
<i>calceolus</i>	—	—	—	—	—	—	f	—	—	—
<i>caudata</i>	—	—	f	—	—	—	f	—	—	—
[<i>Mallomonas fastigata</i>]										
[<i>Mallomonas caudata v. fastigata</i>]										
[<i>Mallomonas fastigata v. kriegei</i>]										
<i>crassisquama</i>	—	—	—	—	—	—	f	—	—	?
[<i>Mallomonas acaroides v. crassisquama</i>]										
<i>elongata</i>	—	—	—	—	—	—	f	—	—	—
<i>eo</i> a	—	—	—	—	—	—	f	—	—	—
<i>hamata</i>	—	—	—	—	—	—	f	—	—	—
<i>heterospina</i>	—	—	—	—	—	—	f	—	—	—
cf. <i>mangofera</i>	—	—	—	—	—	—	f	—	—	—
<i>multiunca</i>	—	—	—	—	—	—	f	—	—	—
<i>oviformis</i>	—	—	—	—	—	—	f	—	—	—
<i>paxillata</i>	—	—	—	—	—	—	f	—	—	—
[<i>Mallomonopsis paxillata</i>]										
<i>producta</i>	—	—	—	—	—	—	f	—	—	—
<i>punctifera</i>	—	—	—	—	—	—	f	—	—	f
[<i>Mallomonas elegans v. puichella</i>]										
[<i>Mallomonas reginae</i>]										
[<i>Mallomonas puichella</i>]										
cf. <i>schwemmlei</i>	—	—	—	—	—	—	f	—	—	—
<i>scrobiculata</i>	—	—	—	—	—	—	f	—	—	—
<i>striata</i>	—	—	—	—	—	—	f	—	—	f
<i>tonsurata</i>	—	—	—	—	—	—	f	—	—	—
[<i>Mallomonas heterotricha</i>]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>torquata</i> Asmund & Cronberg 1979										
f. <i>torquata</i> (55)	–	–	–	–	–	–	f	–	–	–
cf. f. <i>simplex</i> Nicholls 1988 (55)	–	–	–	–	–	–	f	–	–	–
<i>trummensis</i> Cronberg 1975 (55)	–	–	–	–	–	–	f	–	–	–
<i>vannigera</i> Asmund 1977 (55, 60)	–	–	–	–	–	–	f	–	–	–
<i>zellensis</i> Fott 1962 (55)	–	–	–	–	–	–	f	–	–	–
sp.	–	–	–	–	–	–	f	–	–	–
<i>Synura</i> Ehrenberg 1835										
<i>echinulata</i> Korshikov 1929 (55)	–	–	–	–	–	–	f	–	–	–
<i>petersenii</i> Korshikov 1929 (55)	–	–	–	–	–	–	f	–	–	f
<i>sphagnicola</i> (Korshikov) Korshikov 1929	–	–	–	–	–	–	f	–	–	–
[<i>Skadovskiiella sphagnicola</i> Korshikov 1927]										
<i>spinosa</i> Korshikov 1929	–	–	–	–	–	–	f	–	–	–
<i>uvella</i> Ehrenberg <i>emend.</i> Korshikov 1929 (61)	f?	–	–	–	–	–	f?	–	–	–
sp.	–	f	–	–	–	–	f	–	f	f

Class **Diatomophyceae** (Bacillariophyceae) – Diatoms

Order EUPODISCALES (BIDDULPHIALES, CENTRALES) – Centric diatoms

Acanthoceras Honigmann 1910

zachariasii (Brun) Simonsen 1979

 [*Attheya zachariasii* Brun 1894]

 [*Acanthoceras magdeburgense* Honigmann 1910]

Actinocyclus Ehrenberg 1837

kuetzingii (A. Schmidt) Simonsen 1975

 [*Coscinodiscus kuetsingii* A. Schmidt 1878]

normanii (Gregory *in* Greville) Hustedt 1957

 [*Coscinodiscus normanii* Gregory *in* Greville 1859]

 [*Coscinodiscus rothii* v. *normani* (Gregory *in* Greville) Van Heurck 1885]

f. *normanii*

f. *subsalsus* (Juhlin-Dannfelt) Hustedt 1957

 [*Coscinodiscus subsalsus* Juhlin-Dannfelt 1882]

 [*Coscinodiscus rothii* v. *subsalsa* (Juhlin-Dannfelt) Hustedt 1928]

oconarius Ehrenberg 1838

 [*Actinocyclus ehrenbergii* Ralfs *in* Pritchard 1861]

v. *oconarius*

v. *crassus* (W. Smith) Hendey 1954 (24)

 [*Eupodiscus crassus* W. Smith 1853]

 [*Actinocyclus crassus* (W. Smith) Ralfs *in* Pritchard 1861]

 [*Actinocyclus ehrenbergii* v. *crassa* (W. Smith) Hustedt 1929]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
	–	–	f	–	–	–	f	–	–	f
	+	–	–	–	–	–	–	–	–	–
	+	–	+	–	–	–	–	–	–	–
	fbe	fbe	fbe	–	fbe	–	fbe	–	–	–
	+	cw	cw	w	w	w	w	+	w	w
	+	–	+	+	+	+	+	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
v. ralfsii (W. Smith) Hendey 1954 (24)	-	-	-	-	-	-	+	-	-	-
[<i>Eupodiscus ralfsii</i> W. Smith 1856]										
[<i>Actinocyclus ralfsii</i> (W. Smith) Ralfs in Pritchard 1861]										
[<i>Actinocyclus ehrenbergii</i> v. <i>ralfsii</i> (W. Smith) Hustedt 1929]										
v. sparsus (Gregory) Hendey 1954 (24)	-	-	-	-	-	-	-	-	-	-
[<i>Eupodiscus sparsus</i> Gregory 1857]										
[<i>Actinocyclus ralfsii</i> v. <i>sparsa</i> (Gregory) Ralfs in Pritchard 1861]										
[<i>Actinocyclus ehrenbergii</i> v. <i>sparsa</i> (Gregory) Hustedt 1929]										
v. tenellus (Brébisson) Hendey 1954 (24)	-	-	+	-	+	-	-	-	-	-
[<i>Eupodiscus tenellus</i> Brébisson 1854]										
[<i>Actinocyclus tenellus</i> (Brébisson) Grunow 1867]										
[<i>Actinocyclus ehrenbergii</i> v. <i>tenella</i> (Brébisson) Hustedt 1929]										
sp.	+	-	-	-	-	-	-	-	-	-
<i>Actinoptychus</i> Ehrenberg 1839										
<i>senarius</i> (Ehrenberg) Ehrenberg 1843	+	+	+	-	-	-	-	-	-	-
[<i>Actinocyclus senarius</i> Ehrenberg 1838]										
[<i>Actinocyclus undulatus</i> J.W. Bailey 1842]										
[<i>Actinoptychus undulatus</i> (J.W. Bailey) Ralfs in Pritchard 1861]										
<i>splendens</i> (Shadbolt) Ralfs in Pritchard 1861	+	-	-	-	-	-	-	-	-	-
[<i>Actinosphaeria splendens</i> Shadbolt 1854]										
<i>Anaulus</i> Ehrenberg 1844										
<i>balticus</i> Simonsen 1959			-	-	-	-	-	-	-	-
<i>Attheya</i> T. West 1860										
<i>decora</i> T. West 1860				-	-	-		-	-	-
<i>septentrionalis</i> (Østrup) Crawford in Crawford, Gardner & Medlin 1994	+	+	+	+	+	+	+	-	+	+
[<i>Chaetoceros septentrionalis</i> Østrup 1895]										
[<i>Chaetoceros glaciale</i> Meunier 1910]										
[<i>Gonioceros septentrionalis</i> (Østrup) Round <i>et al.</i> 1990]										
<i>Aulacodiscus</i> Ehrenberg 1844 <i>nom. cons.</i>										
<i>argus</i> (Ehrenberg) A. Schmidt 1886	+	-	+	-	-	-	-	-	-	-
[<i>Tripodiscus argus</i> Ehrenberg 1839]										
[<i>Eupodiscus argus</i> (Ehrenberg) W. Smith 1853]										
<i>Aulacoseira</i> Thwaites 1848 (" <i>Aulacosira</i> ")										
<i>alpigena</i> (Grunow) Krammer 1990	-	-	-	-	f	-	f	-	-	-
[<i>Melosira distans</i> v. <i>alpigena</i> Grunow in Van Heurck 1882]										
[<i>Aulacoseira distans</i> v. <i>alpigena</i> (Grunow) Simonsen 1979]										
<i>ambigua</i> (Grunow) Simonsen 1979	fe	fe	-	-	-	-	fe	-	fe	fe
[<i>Melosira crenulata</i> v. <i>ambigua</i> Grunow in Van Heurck 1882]										
[<i>Melosira ambigua</i> (Grunow) O. Müller 1903]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
crenulata (Ehrenberg) Thwaites 1848 [<i>Gallionella crenulata</i> Ehrenberg 1843] [<i>Melosira crenulata</i> (Ehrenberg) Kützing 1844] [<i>Melosira italica</i> f. <i>crenulata</i> (Ehrenberg) O. Müller 1906]	–	if	–	–	–	–	if	–	–	–
distans (Ehrenberg) Simonsen 1979 [<i>Gallionella distans</i> Ehrenberg 1836] [<i>Melosira distans</i> (Ehrenberg) Kützing 1844]	–	–	–	–	–	–	f	–	f	f
granulata (Ehrenberg) Simonsen 1979 [<i>Gallionella granulata</i> Ehrenberg 1843] [<i>Melosira granulata</i> (Ehrenberg) Ralfs in Pritchard 1861]										
v. granulata	fe	fe	fe	–	–	fe	fe	–	–	fe
v. angustissima (O. Müller) Simonsen 1979 [<i>Melosira granulata</i> v. <i>angustissima</i> O. Müller 1899]	–	–	f	–	–	–	f	–	–	–
islandica (O. Müller) Simonsen 1979 [<i>Melosira islandica</i> O. Müller 1906]										
ssp. islandica	–	f	f	–	f	–	f	–	–	f
ssp. helvetica (O. Müller) Simonsen 1979 [<i>Melosira islandica</i> ssp. <i>helvetica</i> O. Müller 1906] [<i>Melosira granulata</i> ssp. <i>helvetica</i> (O. Müller) Cleve-Euler (1911–)1912]	–	–	f	–	f	–	f	–	–	f
italica (Ehrenberg) Simonsen 1979 [<i>Gallionella italica</i> Ehrenberg 1838] [<i>Melosira italica</i> (Ehrenberg) Kützing 1844]	f	–	f	f	f	f	f	–	–	f
lirata (Ehrenberg) R. Ross in Hartley 1986 [<i>Gallionella lirata</i> Ehrenberg 1843] [<i>Melosira lirata</i> (Ehrenberg) Kützing 1844] [<i>Melosira distans</i> v. <i>lirata</i> (Ehrenberg) O. Müller 1904 (?)] [<i>Melosira distans</i> v. <i>lirata</i> (Ehrenberg) Bethge 1925 (?)] [<i>Melosira distans</i> v. <i>lirata</i> (Ehrenberg) Hustedt 1927 (?)] [<i>Auiacoseira distans</i> v. <i>lirata</i> (Ehrenberg) Simonsen 1979]										
v. lirata	–	–	–	–	–	–	f	–	–	–
v. biseriata (Grunow) Haworth 1988 [<i>Melosira lyrata</i> v. <i>biseriata</i> Grunow in Van Heurck 1882] [<i>Melosira lirata</i> v. <i>seriata</i> O. Müller 1898] [<i>Melosira distans</i> v. <i>lirata</i> f. <i>seriata</i> (O. Müller) Hustedt 1927]	–	–	–	–	–	–	f	–	–	–
subarctica (O. Müller) Haworth 1988 [<i>Melosira italica</i> ssp. <i>subarctica</i> O. Müller 1906] [<i>Aulacoseira italica</i> ssp. <i>subarctica</i> (O. Müller) Simonsen 1979]	–	–	–	–	f	–	f	–	–	–
valida (Grunow) Krammer 1990 [<i>Melosira crenulata</i> v. <i>valida</i> Grunow in Van Heurck 1882]	–	–	–	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Melosira italica</i> v. <i>valida</i> (Grunow) Hustedt 1927]										
[<i>Aulacoseira italica</i> v. <i>valida</i> (Grunow) Simonsen 1979]										
Auliscus Ehrenberg 1843										
<i>pruinosis</i> J.W. Bailey 1854		-	-	-	-	-	-	-	-	-
<i>reticulatus</i> Greville 1863		-	-	-	-	-	-	-	-	-
<i>sculptus</i> (W. Smith) Ralfs in Pritchard 1861		-	-	-	-	-	-	-	-	-
Azpeitia M. Peragallo in Tempère & H. Peragallo 1912										
<i>nodulifera</i> (A. Schmidt) Fryxell & Sims in Fryxell, Sims & Watkins 1986	-	-	-	?	-	-	-	-	-	-
[<i>Coscinodiscus nodulifer</i> A. Schmidt 1878]										
Bacteriastrum Shadbolt 1854										
<i>elongatum</i> P.T. Cleve 1897	+	-	-	-	-	-	-	-	-	-
<i>hyalinum</i> Lauder 1864	+	-	-	-	-	-	-	-	-	-
sp.	+	-	?	-	-	-	-	-	-	-
Bacterosira Gran 1900										
<i>bathyomphala</i> (P.T. Cleve) Syvertsen & Hasle in Hasle & Syvertsen 1993	+	-	-	-	-	-	-	-	-	-
[<i>Coscinodiscus bathyomphalus</i> P.T. Cleve 1883]										
[<i>Lauderia fragilis</i> Gran 1897]										
[<i>Bacterosira fragilis</i> (Gran) Gran 1900]										
Bellerrochea Van Heurck 1885 <i>emend.</i> von Stosch 1977										
<i>malleus</i> (Brightwell) Van Heurck 1885 <i>emend.</i> von Stosch 1977	+	-	+	-	-	-	-	-	-	-
[<i>Triceratium malleus</i> Brightwell 1858]										
Biddulphia Gray 1821										
<i>granulata</i> Roper 1859		-	-	-	-	-	-	-	-	-
<i>obtusa</i> (Kützing) Ralfs in Pritchard 1861		-	-	-	-	-	-	-	-	-
[<i>Odontella obtusa</i> Kützing 1844]										
[<i>Biddulphia aurita</i> v. <i>obtusa</i> (Kützing) Hustedt 1930]										
<i>pulchella</i> Gray 1821			-	-	-	-	-	-	-	-
[<i>Biddulphia biddulphiana</i> (J.E. Smith) Boyer 1901]										
<i>subaequa</i> (Kützing) Ralfs in Pritchard 1861			-	-	-	-	-	-	-	-
[<i>Odontella subaequa</i> Kützing 1844]										
[<i>Biddulphia subaequa</i> v. <i>baltica</i> Grunow in Van Heurck 1881]										
Cerataulina H. Peragallo ex Schütt 1896										
<i>pelagica</i> (P.T. Cleve) Hendey 1937	+	+	-	-	-	-	-	-	-	-
[<i>Zygoceros pelagica</i> P.T. Cleve 1889]										
[<i>Cerataulus bergonii</i> H. Peragallo 1892]										
[<i>Cerataulina bergonii</i> (H. Peragallo) H. Peragallo ex Schütt 1896]										
Cerataulus Ehrenberg 1843 (1844)										
<i>smithii</i> Ralfs in Pritchard 1861		-	-	-	-	-	-	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>debilis</i> P.T. Cleve 1894	c(w)	+	+	—	—	—	?	—	—	—
<i>decipiens</i> P.T. Cleve 1873	c(w)	c	c	—	—	—	c	—	?	?
[<i>Chaetoceros grunowii</i> Schütt 1895]										
<i>densus</i> P.T. Cleve 1901	+	+	+	+	—	—	+	+	—	—
[<i>Chaetoceros boreale</i> v. <i>brightwellii</i> P.T. Cleve 1873 p.p.]										
[<i>Chaetoceros boreale</i> v. <i>densa</i> P.T. Cleve 1897]										
<i>diadema</i> (Ehrenberg) Gran 1897	c	+	+	?	—	—	+	—	—	—
[<i>Syndendrium diadema</i> Ehrenberg 1845]										
[<i>Chaetoceros distans</i> v. <i>subsecundus</i> Grunow in Van Heurck 1881]										
[<i>Chaetoceros subsecundus</i> (Grunow in Van Heurck) Hustedt 1930]										
<i>didymus</i> Ehrenberg 1845										
<i>v. didymus</i>	c(w)	+	?	—	—	—	—	—	—	—
<i>v. anglica</i> (Grunow in Van Heurck) Gran 1908	+	—	—	—	—	—	—	—	—	—
[<i>Chaetoceros furcellatus</i> v. <i>anglica</i> Grunow in Van Heurck 1881]										
<i>v. protuberans</i> (Lauder) Gran & Yendo 1914	+	+	—	—	—	—	—	—	—	—
[<i>Chaetoceros protuberans</i> Lauder 1864]										
<i>difficilis</i> P.T. Cleve 1900	+	—	—	—	—	—	—	—	—	—
<i>eibenii</i> Grunow in Van Heurck 1882	+	—	—	—	—	—	—	—	—	—
<i>furcellatus</i> Bailey 1856	+	—	—	—	—	—	—	—	—	—
<i>gracilis</i> Schütt 1895	+	+	+	+	—	+	+	—	+	+
<i>holsaticus</i> Schütt 1895	c	c	c	c	c	c	c	c	c	c
[<i>Chaetoceros leve</i> Schütt 1895]										
[<i>Chaetoceros balticum</i> P.T. Cleve 1896]										
[<i>Chaetoceros granii</i> P.T. Cleve 1900]										
<i>impressus</i> K.G. Jensen & Moestrup 1998 (62)	+	—	+	—	—	—	—	—	—	—
[<i>Chaetoceros eibenii sensu</i> Wołoszyńska 1935]										
[<i>Chaetoceros eibenii</i> f. <i>solitaria</i> Wołoszyńska 1935 p.p. (Fig. 2:4)]										
[<i>Chaetoceros</i> sp. "A" Sundström 1973]										
<i>ingolfianus</i> Ostenfeld in Gran 1902	c	—	—	—	—	—	—	—	—	—
<i>laciniosus</i> Schütt 1895	c	+	+	+	—	—	—	—	—	—
<i>lauder</i> Ralfs in Lauder 1864	+	—	—	—	—	—	—	—	—	—
[<i>Chaetoceros weissflogii</i> Schütt 1895]										
<i>lorenzianus</i> Grunow 1863	cw	—	—	—	—	—	—	—	—	—
<i>minimus</i> (Levander) Marino et al. 1991	+	+	+	+	+	+	+	—	+	+
[<i>Rhizosolenia minima</i> Levander 1904]										
[<i>Monoceros isthmiformis</i> Van Goor 1924]										
[<i>Monoceros minimum</i> (Levander) Vällikangas 1926]										

sp.	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Corethron</i> Castracane 1886	+	+	+	+	+	—	+	—	+	+
<i>criophilum</i> Castracane 1886	+	—	—	—	—	—	—	—	—	—
<i>Coscinodiscus</i> Ehrenberg 1839 <i>emend.</i> Rattray 1890, Hasle & Sims 1986										
<i>apiculatus</i> Ehrenberg 1844 (2, 4)	—	—	—	—	—	—	?	—	—	—
<i>argus</i> Ehrenberg (4)	—	—	—	—	—	—	?	—	—	—
<i>asteromphalus</i> Ehrenberg 1844 (4, 64)	+	+	+	+	+	—	—	—	—	—
<i>centralis</i> Ehrenberg 1844	+	—	—	—	—	—	—	—	—	—
<i>commutatus</i> Grunow 1884 (4)	+	+	+	—	—	—	+	—	—	—
[<i>Coscinodiscus jonesianus</i> v. <i>commutata</i> (Grunow) Hustedt 1928]										
<i>concinus</i> W. Smith 1856	+	+	?	—	—	—	—	—	—	—
<i>divisus</i> Grunow in Schneider 1878 (4)	—	—	—	—	—	—	?	—	—	—
<i>granii</i> Gough 1905 (64)	+	+	+	+	w	+	w	w	w	+
<i>granulosus</i> (Grunow) Grunow in Cleve & Grunow 1880 (2, 65)	—	—	+	—	—	—	—	—	—	—
[<i>Odontodiscus granulosus</i> Grunow in Cleve & Grunow 1880]										
<i>jonesianus</i> (Greville) Ostenfeld 1915 (4)	+	—	+	+	—	—	—	—	—	—
[<i>Eupodiscus jonesianus</i> Greville 1862]										
<i>marginatus</i> Ehrenberg 1841 (1843, 1844)	+	—	—	—	—	—	?	—	—	—
<i>obscurus</i> A. Schmidt 1878 (4)	—	?	?	—	—	—	—	—	—	—
<i>oculus-iridis</i> Ehrenberg 1839 (64)	+	+	+	?	?	?	?	—	—	—
<i>perforatus</i> Ehrenberg 1844	+	—	—	—	—	—	?	—	—	—
<i>radiatus</i> Ehrenberg 1841 (1839)	+	+	+	+	?	—	?	—	?	—
[<i>Coscinodiscus neoradiatus</i> Cleve-Euler 1942?]										
<i>stellaris</i> Roper 1858	—	?	?	—	—	—	—	—	—	—
<i>subbulliens</i> E. Jørgensen 1905	+	—	—	—	—	—	—	—	—	—
<i>wailesii</i> Gran & Angst 1931	+	—	—	—	—	—	—	—	—	—
[<i>Coscinodiscus nobilis</i> auct.]										
sp.	+	+	+	+	—	+	+	—	+	—
<i>Cyclostephanos</i> (Round 1982) Round in Theriot <i>et al.</i> 1988 (1987)										
<i>dubius</i> (Fricke in A. Schmidt) Round 1982	f	—	f	—	f	—	f	—	—	+
[<i>Cyclotella dubia</i> Fricke in A. Schmidt 1900]										
[<i>Stephanodiscus pulcherrimus</i> Cleve-Euler 1910]										
[<i>Stephanodiscus dubius</i> (Fricke in A. Schmidt) Hustedt 1928]										
<i>Cyclotella</i> (Kützing 1833 (1834)) Brébisson 1838 <i>nom. cons.</i>										
<i>antiqua</i> W. Smith 1853	—	—	—	—	—	—	lf	—	—	—
<i>atomus</i> Hustedt 1937	wef	—	+	—	—	—	wef	—	—	—
<i>choctawhatcheeana</i> Prasad in Prasad, Nienow & Livingston 1990	+	+	+	w	w	—	w	—	w	w
[<i>Cyclotella caspia</i> auct.]										
[non <i>Cyclotella caspia</i> sensu Grunow 1878]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Detonula</i> Schütt 1893										
<i>confervacea</i> (P.T. Cleve) Gran 1900	c	c	—	—	—	—	—	—	—	—
[<i>Lauderia confervacea</i> P.T. Cleve 1896]										
<i>pumila</i> (Castracane) Schütt 1896	+	?	?	—	—	—	—	—	—	—
[<i>Lauderia pumila</i> Castracane 1886]										
[<i>Lauderia delicatula</i> H. Peragallo 1888]										
[<i>Detonula delicatula</i> (H. Peragallo) Gran 1900]										
[<i>Thalassiosira condensata</i> P.T. Cleve 1900]										
[<i>Lauderia schroederi</i> Bergon 1903]										
[<i>Detonula schroederi</i> (Bergon) Gran 1905]										
[<i>Schroederella delicatula</i> (H. Peragallo) Pavillard 1913]										
[<i>Coscinodiscus condensatus</i> (P.T. Cleve) Cleve-Euler 1951]										
<i>Dimeregramma</i> Ralfs in Pritchard 1861										
<i>minor</i> (Gregory) Ralfs in Pritchard 1861	—	?	—	—	—	—	—	—	—	—
[<i>Denticula minor</i> Gregory 1857]										
<i>Ditylum</i> J.W. Bailey ex L.W. Bailey 1861 ("Ditylium" auct.)										
<i>brightwellii</i> (T. West) Grunow in Van Heurck 1883	w	+	?	—	—	—	—	—	—	—
[<i>Triceratium brightwellii</i> T. West 1860]										
[<i>Ditylum trigonum</i> J.W. Bailey ex L.W. Bailey 1861]										
<i>Ellerbeckia</i> Crawford 1988										
<i>arenaria</i> (Moore) Crawford 1988	—	lf	lf	—	—	—	lf	—	—	
[<i>Melosira arenaria</i> Moore ex Ralfs 1843]										
<i>Eucampia</i> Ehrenberg 1839										
<i>zodiacus</i> Ehrenberg 1839	+	—	—	—	—	—	—	—	—	—
<i>Guinardia</i> H. Peragallo 1892										
<i>cyiindrus</i> (P.T. Cleve) Hasle 1996 (67)	—	—	—	—	—	—	sw	—	—	—
[<i>Rhizosolenia cyiindrus</i> P.T. Cleve 1897]										
<i>delicatula</i> (P.T. Cleve) Hasle 1996	+	—	—	—	—	—	—	—	—	—
[<i>Rhizosolenia delicatula</i> P.T. Cleve 1900]										
<i>flaccida</i> (Castracane) H. Peragallo 1892	w	+	?	—	—	—	—	—	—	—
[<i>Rhizosolenia flaccida</i> Castracane 1886]										
<i>striata</i> (Stolterfoth) Hasle 1996	+	—	—	—	—	—	—	—	—	—
[<i>Eucampia striata</i> Stolterfoth 1879]										
[<i>Rhizosolenia stolterfothii</i> H. Peragallo 1888]										
<i>Helicotheca</i> Ricard 1987										
[<i>Streptotheca</i> Shrubsole 1891]										
[non <i>Streptotheca</i> Vuillemin 1887]										
<i>tamesis</i> (Shrubsole) Ricard 1987	+	—	—	—	—	—	—	—	—	—
[<i>Streptotheca tamesis</i> Shrubsole 1891]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>varians</i> C.A. Agardh 1827	f	f	f	—	—	f	f	—	+	+
<i>westii</i> W. Smith 1856	l	?	—	—	—	—	—	—	—	—
sp.	+	—	+	—	—	—	—	—	+	—
<i>Odontella</i> C.A. Agardh 1832										
<i>aurita</i> (Lyngbye) C.A. Agardh 1832	+	+	—	—	—	—	—	—	—	—
[<i>Diatoma auritum</i> Lyngbye 1819]										
[<i>Biddulphia aurita</i> (Lyngbye) Brébisson in Brébisson & Godey 1838]										
<i>granulata</i> (Roper) R. Ross in Hartley 1986	+	—	—	—	—	—	—	—	—	—
[<i>Biddulphia granulata</i> Roper 1859]										
<i>mobiliensis</i> (J.W. Bailey) Grunow 1884	+	+	?	?	?	—	—	—	—	—
[<i>Zygoceros mobiliensis</i> J.W. Bailey 1851]										
[<i>Biddulphia baileyi</i> W. Smith 1856]										
[<i>Biddulphia mobiliensis</i> (J.W. Bailey) Grunow in Van Heurck 1881 (1882?)]										
[<i>Denticella mobiliensis</i> (J.W. Bailey) Grunow 1884]										
<i>rhombus</i> (Ehrenberg) Kützting 1849										
[<i>Zygoceros rhombus</i> Ehrenberg 1840]										
[<i>Biddulphia rhombus</i> (Ehrenberg) W. Smith 1856]										
f. <i>rhombus</i> [f. <i>typica</i> auct. nom. illeg.]	(l)	—	—	—	—	—	—	—	—	—
f. <i>trigona</i> (Cleve ex Van Heurck) R. Ross in Hartley 1886	+	—	—	—	—	—	—	—	—	—
[<i>Biddulphia rhombus</i> v. <i>trigona</i> Cleve ex Van Heurck 1882]										
[<i>Biddulphia rhombus</i> f. <i>trigona</i> (Cleve ex Van Heurck) Hustedt 1930]										
<i>sinensis</i> (Greville) Grunow 1884	+	+	+	?	—	—	—	—	—	—
[<i>Biddulphia sinensis</i> Greville 1866]										
<i>Orthoseira</i> Thwaites 1848										
<i>roseana</i> (Rabenhorst) O'Meara 1876	—	—	f	—	—	—	—	—	—	—
[<i>Melosira roseana</i> Rabenhorst 1853]										
<i>Paralia</i> Heiberg 1863										
<i>sulcata</i> (Ehrenberg) P.T. Cleve 1873	l	l	—	—	—	—	l	—	—	l?
[<i>Gailloneila sulcata</i> Ehrenberg 1838]										
[<i>Melosira sulcata</i> (Ehrenberg) Kützting 1844]										
[<i>Orthosira marina</i> W. Smith 1856]										
[<i>Paralia marina</i> (W. Smith) Heiberg 1863]										
<i>Plagiogramma</i> Greville 1859										
<i>staurophorum</i> (Gregory) Heiberg 1863	—	?	—	—	—	—	—	—	—	—
[<i>Denticula staurophora</i> Gregory 1857]										
[<i>Plagiogramma gregorianum</i> Greville 1859 nom. illeg.]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
rotula (Kützing) Hendey 1964 [<i>Cyclotella rotula</i> Kützing 1844] [<i>Stephanodiscus astraëa</i> auct. <i>p.p.</i>] [non <i>Stephanodiscus astraëa</i> (Ehrenberg) Grunow in Van Heurck 1882] [non <i>Cyclotella astraëa</i> (Ehrenberg) Kützing 1849]	f	f	f	–	–	f	f	–	–	+
subtilis (van Goor) Cleve-Euler 1951 (2) [<i>Melosira subtilis</i> van Goor 1924]	–	–	–	–	–	f	–	–	–	–
sp.	–	–	–	+	–	–	–	–	–	–
Stephanopyxis (Ehrenberg) Ehrenberg 1845										
turris (Greville & Arnott in Gregory) Ralfs in Pritchard 1861 [<i>Creswellia turris</i> Greville & Arnott in Gregory 1857]	+	–	–	–	–	–	–	–	–	–
Terpsinoë Ehrenberg 1843										
americana (Bailey) Ralfs in Pritchard 1861 [<i>Tetragramma americana</i> Bailey 1854]	–	–	–	?	–	–	–	–	–	–
Thalassiosira P.T. Cleve 1873 <i>emend.</i> Hasle 1973										
angulata (Gregory) Hasle 1978 (69) [<i>Orthosira angulata</i> Gregory 1857] [<i>Thalassiosira decipiens</i> (Grunow) E. Jørgensen 1905] [non <i>Thalassiosira decipiens</i> (Grunow) E. Jørgensen <i>sensu</i> Hasle 1979]	–	?	–	–	–	–	–	–	–	–
anguste-lineata (A. Schmidt) G. Fryxell & Hasle 1977 [<i>Coscinodiscus anguste-lineatus</i> A. Schmidt 1878] [<i>Coscinodiscus polychordus</i> Gran 1897] [<i>Thalassiosira polychorda</i> (Gran) E. Jørgensen 1900] [<i>Coscinosira polychorda</i> (Gran) Gran 1900] [? <i>Coscinodiscus sublineatus</i> auct.]	c	+	+	?	–	–	–	–	–	–
baltica (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 [? <i>Coscinodiscus polyacanthus</i> auct.] [<i>Coscinodiscus polyacanthus</i> v. <i>baltica</i> Grunow in Cleve & Grunow 1880] [<i>Coscinodiscus balticus</i> (Grunow in Cleve & Grunow) P.T. Cleve 1891] [<i>Coscinodiscus subtilis</i> auct. <i>p.p.</i>] [<i>Coscinodiscus subtilis</i> v. <i>fluviatilis</i> Lemmermann 1904] [<i>Thalassiosira baltica</i> v. <i>fluviatilis</i> (Lemmermann) Cleve-Euler 1910] [<i>Thalassiosira subsalina</i> Proschkina-Lavrenko 1955]	+	+	+	c(w)	c(w)	c(w)	c(w)	c(w)	c(w)	c(w)
decipiens (Grunow) E. Jørgensen 1905 <i>sensu</i> Hasle 1979 (4, 69) [<i>Coscinodiscus eccentricus</i> v. ? <i>decipiens</i> Grunow in Schneider 1878]	c	c	c	?	+	–	+	–	–	–
eccentrica (Ehrenberg) P.T. Cleve 1903–1904 [<i>Coscinodiscus eccentricus</i> Ehrenberg 1841 ("excentricus")] [<i>Coscinodiscus eccentricus</i> v. <i>fasciculata</i> Hustedt 1928] [? <i>Coscinodiscus kryophilus</i> Grunow 1884] [? <i>Thalassiosira kryophila</i> (Grunow) E. Jørgensen 1905]	+	+	–	?	–	–	+	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
gravida P.T. Cleve 1896 [<i>Coscinodiscus gravidus</i> (P.T. Cleve) Cleve-Euler 1951]	c	+	+	?	-	-	-	-	-	-
guillardii Hasle 1978	-	-	?	+	+	-	+	-	+	+
hyalina (Grunow in Cleve & Grunow) Gran 1897 [<i>Coscinodiscus hyalinus</i> Grunow in Cleve & Grunow 1880]	c	-	-	-	-	-	-	-	-	-
hyperborea (Grunow) Hasle 1989 [<i>Coscinodiscus hyperboreus</i> Grunow 1884] [<i>Coscinodiscus lacustris</i> auct.] [<i>Thalassiosira lacustris</i> auct.] [<i>Thalassiosira bramaputrae</i> auct.]										
v. lacunosa (Berg) Hasle 1989 [<i>Coscinodiscus lacunosus</i> Berg 1952] [<i>Coscinodiscus lacustris</i> v. <i>septentrionalis</i> auct.] [non <i>Thalassiosira hyperborea</i> v. <i>septentrionalis</i> (Grunow) Hasle 1989]	-	+	c	?	+	?	c	-	c	-
v. pelagica (Cleve-Euler) Hasle 1989 [<i>Coscinodiscus lacustris</i> v. <i>pelagicus</i> Cleve-Euler 1937]	c	-	c	?	-	?	c	-	-	-
lacustris (Grunow in Cleve & Grunow 1880) Hasle in Hasle & G. Fryxell 1977 [<i>Coscinodiscus lacustris</i> Grunow in Cleve & Grunow 1880]	?	?	f	?	?	?	?	-	?	?
leptopus (Grunow in Van Heurck) Hasle & G. Fryxell 1977 [<i>Coscinodiscus leptopus</i> Grunow in Van Heurck 1883] [<i>Coscinodiscus lineatus</i> Ehrenberg 1839 (1854)]	+	-	-	-	-	-	?	-	-	-
levanderi van Goor 1924 (70) [<i>Coscinodiscus levanderi</i> (Van Goor) Cleve-Euler 1951]	+	+	c	+	c	c	c	-	c	+
nordenskioldii P.T. Cleve 1873 [<i>Coscinodiscus nordenskioldii</i> (P.T. Cleve) Cleve-Euler 1951]	c	-	-	-	-	-	-	-	-	-
proschkinae Makarova in Makarova, Genkal & Kuzmin 1979 (70)	+	-	+	-	-	-	-	-	+	-
pseudonana (Hustedt) Hasle & Heimdal 1970 [<i>Cyclotella nana</i> Hustedt 1957] [? <i>Thalassiosira nana</i> Lohmann 1908 p.p.]	+	+	+	+	+	w	w	-	+	+
rotula Meunier 1910 [<i>Coscinodiscus rotulus</i> (Meunier) Cleve-Euler 1951]	+	+	-	-	-	-	-	-	-	-
weissflogii (Grunow in Van Heurck) G. Fryxell & Hasle 1977 [<i>Micropodiscus weissflogii</i> Grunow in Van Heurck 1885] [<i>Thalassiosira fluviatilis</i> Hustedt 1926]	+	e	?	-	-	-	we	-	w	-
sp.	+	+	+	+	+	-	+	-	+	+
Triceratium Ehrenberg 1841 (1839)										
favus Ehrenberg 1841 (1839) [<i>Bidduphia favus</i> (Ehrenberg) Grunow in Van Heurck 1883]	+	-	-	-	-	-	-	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Urosolenia</i> Round & Crawford in Round <i>et al.</i> 1990										
<i>eriensis</i> (H.L. Smith) Round & Crawford in Round <i>et al.</i> 1990	–	–	–	–	–	–	f	–	–	f
[Rhizosolenia <i>eriensis</i> H.L. Smith 1872]										
<i>longiseta</i> (Zacharias) Edlund & Stoermer	–	–	f	–	–	–	f	–	f	f
[Rhizosolenia <i>longiseta</i> Zacharias 1893]										
Order BACILLARIALES (PENNALES) – Pennate diatoms										
<i>Achnanthes</i> Bory 1822										
<i>bottnica</i> (P.T. Cleve) P.T. Cleve 1895		–	–	–		–	–	–	–	
[Achnanthes <i>clevei</i> v. <i>bottnica</i> P.T. Cleve 1891]										
<i>brevipes</i> C.A. Agardh 1824										
v. <i>brevipes</i>				–	–			–	–	–
v. <i>intermedia</i> (Kützing) P.T. Cleve 1895	–	–	–	–	–			–	–	–
[Achnanthes <i>intermedia</i> Kützing 1833]										
<i>clevei</i> Grunow in P.T. Cleve & Grunow 1880	–	–		–	–	–		–	–	–
[Achnanthidium <i>clevei</i> (Grunow) Czarnecki in Czarnecki & Edlund 1995]										
[Karayevia <i>clevei</i> (Grunow) Round & Bukhtiyarova 1996]										
<i>conspicua</i> A. Mayer 1919	–	–	–	–				–	–	–
<i>delicatula</i> (Kützing) Grunow in Cleve & Grunow 1880										
[Achnanthidium <i>delicatum</i> Kützing 1844]										
[Planothidium <i>delicatum</i> (Kützing) Round & Bukhtiyarova 1996]										
[Achnanthes <i>hauckiana</i> Grunow <i>sensu auct. nonnull.</i>]										
ssp. <i>delicatula</i>		–		–				–		
ssp. <i>hauckiana</i> (Grunow) Lange-Bertalot in Lange-Bertalot & Ruppel 1980	–	–	–	–	–	–		–		
[Achnanthes <i>hauckiana</i> Grunow in Cleve & Grunow 1880]										
<i>dispar</i> P.T. Cleve 1891	–	–	–	–	–	–		–	–	–
<i>exigua</i> Grunow 1880	–	–	–	–	–			–	–	–
[Achnanthes <i>exigua</i> v. <i>constricta</i> Torka 1909]										
[Achnanthes <i>exigua</i> v. <i>heterovalva</i> Krasske 1923 ("heterovalvata")]										
<i>flexella</i> (Kützing) Brun 1880	–	–	–	–	–	–	lf	–	–	–
[Cymbella <i>flexella</i> Kützing 1844]										
<i>hungarica</i> (Grunow) Grunow in Cleve & Grunow 1880	–	–	–	–	–	–	lf	–	–	–
[Achnanthidium <i>hungaricum</i> Grunow 1863]										
<i>laevis</i> Østrup 1910	–	–	–	–	–	–	lf	–	–	–
[Achnanthes <i>lapponica</i> (Hustedt) Hustedt 1933 <i>sensu lat.</i>]										
<i>lanceolata</i> (Brébisson in Kützing) Grunow in Cleve & Grunow 1880										
[Achnanthidium <i>lanceolatum</i> Brébisson in Kützing 1849]										
[Planothidium <i>lanceolatum</i> (Brébisson) Round & Bukhtiyarova 1996]										
ssp. <i>lanceolata</i>										
v. <i>lanceolata</i>		–	+	–	–			–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>v. elliptica</i> P.T. Cleve 1891	–	–	–	–	–			–	–	–
ssp. dubia (Grunow in Cleve & Grunow) Lange-Bertalot 1991	–	–		–	–	–	–	–	–	–
[<i>Achnanthes lanceolata</i> v. <i>dubia</i> Grunow in Cleve & Grunow 1880]										
[<i>Planothidium dubium</i> (Grunow) Round & Bukhtiyarova 1996]										
latissima Cleve-Euler 1915	–	–	–	–	–	–	lf	–	–	–
lemmermannii Hustedt 1933	–	–	–	–	–			–	–	–
levanderi Hustedt 1933	–	–	–	–	–	–	lf	–	–	–
longipes C.A. Agardh 1824			–	–	–	–	–	–	–	–
minuscula Hustedt 1945	–	–	–	–	–		–	–	–	–
minutissima Kützing 1933	–	–		–	–			–	–	–
[<i>Achnantheidium microcephalum</i> Kützing 1844]										
[<i>Achnantheidium lineare</i> W. Smith 1855]										
[<i>Achnanthes microcephala</i> (Kützing) Grunow in Cleve & Grunow 1880]										
[<i>Achnanthes linearis</i> (W. Smith) Grunow in Cleve & Grunow 1880]										
[<i>Achnanthes minutissima</i> v. <i>cryptocephala</i> Grunow in Van Heurck 1880]										
[<i>Achnanthes affinis</i> Grunow in Cleve & Grunow 1880]										
[<i>Achnantheidium minutissimum</i> (Kützing) Czarnecki 1994]										
oblongella Østrup 1902	–	–	–	–	–	–	lf	–	–	–
[<i>Achnanthes saxonica</i> Krasske in Hustedt 1933]										
parvula Kützing 1844	–	–	–	–	–	–		–	–	–
[<i>Achnanthes brevipes</i> v. <i>parvula</i> (Kützing) P.T. Cleve 1895]										
peragalli Brun & Héribaude 1893	–	–	–	–	–	–	lf	–	–	–
petersenii Hustedt 1937	–	–	–	–	–	–	lf	–	–	–
[<i>Navicula densestriata</i> Hustedt 1922]										
[<i>Achnanthes grubei</i> Simonsen 1987]										
pusilla (Grunow) G.B. De Toni 1891	–	–	–	–	–	–	lf	–	–	
[<i>Achnanthes (linearis</i> var.?) <i>pusilla</i> Grunow in Cleve & Grunow 1880]										
rosenstockii Lange-Bertalot in Lange-Bertalot & Krammer 1989	–	–	–	–	–	–		–	–	–
[<i>Achnanthes biasoletiana</i> (Kützing) Grunow <i>sensu</i> Hustedt <i>et auct. nonnull.</i>]										
rostrata Østrup 1902	–	–		–	–			–	–	–
[<i>Achnanthes lanceolata</i> v. <i>rostrata</i> (Østrup) Hustedt 1911]										
[<i>Planothidium rostratum</i> (Østrup) Round & Bukhtiyarova 1996]										
subsalsa Petersen 1928	–	–	–	–	–	–		–	–	–
[<i>Achnanthes subsalsoides</i> Hustedt 1933]										
suchlandtii Hustedt 1933	–	–	–	–	–	–	lf	–	–	–
taeniata Grunow in Cleve & Grunow 1880	c	c	c	c	c	c	c	c	c	c
[<i>Achnanthes taeniata</i> v. <i>hyperborea</i> Grunow in Cleve & Möller 1878]										
[<i>Achnanthes hyperborea</i> (Grunow) Grunow 1884]										
[<i>Pauliella taeniata</i> (Grunow) Round & Basson 1997]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>thermalis</i> (Rabenhorst) Schönfeldt 1907 [<i>Achnantheidium thermale</i> Rabenhorst 1864] [<i>Achnanthes biasoletiana</i> (Kützing) Grunow in Cleve & Grunow 1880 p.p.] [<i>Achnanthes gibberula</i> Grunow in Cleve & Grunow 1880] [<i>Achnanthes grimmei</i> Krasske 1925]		-	-	-	-			-		-
sp.	-	-	-	-	-	-	-	-		
<i>Amphipleura</i> Kützing 1844										
<i>pellucida</i> (Kützing) Kützing 1844 [<i>Frustulia pellucida</i> Kützing 1833]	-	-	-	-	-	-	l(f)	-	-	-
<i>Amphiprora</i> Kützing 1844										
[non <i>Amphiprora</i> Ehrenberg 1843] (71)										
<i>alata</i> (Ehrenberg) Kützing 1844 [<i>Navicula alata</i> Ehrenberg 1840] [<i>Entomoneis alata</i> (Ehrenberg) Ehrenberg 1845]				-				-		
<i>costata</i> Hustedt 1930 [<i>Entomoneis costata</i> Reimer in Patrick & Reimer 1975]	-	-	-	-	-	-	+	-	-	-
<i>kjellmanii</i> P.T. Cleve in Cleve & Grunow 1880 [<i>Entomoneis kjellmanii</i> (P.T. Cleve) Pankow 1990]	-	-	-	-	-	-	c	-	c	-
<i>ornata</i> J.W. Bailey 1850 [<i>Entomoneis ornata</i> (J.W. Bailey) Reimer in Patrick & Reimer 1975]	-	-	-	-	-	-	lf	-	-	lf
<i>paludosa</i> W. Smith 1853 [<i>Entomoneis paludosa</i> (W. Smith) Reimer in Patrick & Reimer 1975]										
v. <i>paludosa</i>								-		
v. <i>subsalina</i> P.T. Cleve 1894 [<i>Entomoneis paludosa</i> v. <i>subsalina</i> (P.T. Cleve) Krammer in Krammer & Lange-Bertalot 1986]	-			-	-		-	-	-	
<i>pseudoduplex</i> (Osada & Kobayasi 1990) <i>comb. nov.</i> (72) [<i>Amphiprora duplex</i> auct.] [non <i>Amphiprora duplex</i> Donkin 1858] [<i>Amphiprora paludosa</i> v. <i>duplex</i> auct.] [<i>Entomoneis paludosa</i> v. <i>duplex</i> auct.] [<i>Entomoneis pseudoduplex</i> Osada & Kobayasi 1990]		-	-		-	-		-	-	
sp.	-	-	-		-	-		-		
<i>Amphora</i> Ehrenberg ex Kützing 1844										
<i>bacillaris</i> Gregory 1857	-	-	?	-	-	-	-	-	-	-
<i>coffeaeformis</i> (C.A. Agardh) Kützing 1844 [<i>Frustulia coffeaeformis</i> C.A. Agardh 1827]		-		-				-		
<i>commutata</i> Grunow in Van Heurck 1880		-		-	-			-	-	

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>copulata</i> (Kützing) Schoeman & Archibald 1986	–			–			–	–	–	–
[<i>Frustulia copulata</i> Kützing 1833]										
[<i>Amphora libyca</i> Ehrenberg 1840 ("lybica")]										
[<i>Amphora affinis</i> Kützing 1844]										
[<i>Amphora ovalis</i> v. <i>affinis</i> (Kützing) Van Heurck 1880]										
[<i>Amphora ovalis</i> v. <i>libyca</i> (Ehrenberg) P.T. Cleve 1895]										
[<i>Amphora minutissima</i> W. Smith 1853]										
<i>delicatissima</i> Krasske in Hustedt 1930		–	–	–		?		–		–
[<i>Amphora coffeaeformis</i> v. <i>perpusilla</i> Grunow 1884]										
<i>holsatica</i> Hustedt 1930			–	–	–			–	–	–
<i>lineolata</i> Ehrenberg 1838	–	–	–	–	–			–	–	–
<i>micrometra</i> Giffen 1966	–	–	–	–	–		–	–	–	–
<i>normanii</i> Rabenhorst 1864	–	–	If	–	–	–	If	–	–	–
<i>ovalis</i> (Kützing) Kützing 1844								–		
[<i>Frustulia ovalis</i> Kützing 1833]										
[<i>Amphora ovalis</i> f. <i>gracilis</i> (Ehrenberg) Hustedt 1930]										
<i>pediculus</i> (Kützing) Grunow in A. Schmidt 1875	–			–				–	–	–
[<i>Cymbella pediculus</i> Kützing 1844]										
[<i>Amphora ovalis</i> v. <i>pediculus</i> (Kützing) Van Heurck 1885]										
<i>perpusilla</i> (Grunow) Grunow in Van Heurck 1884	–	–	–	–	–	–	If	–	–	–
<i>proteus</i> Gregory 1857			–	–	–	–	–	–	–	–
<i>robusta</i> Gregory 1857	–	–	–	–	–		–	–	–	–
<i>veneta</i> Kützing 1844	–	–		–	–			–	–	–
sp.		–	–	–		–		–		
<i>Aneumastus</i> D.G. Mann & Stickle in Round <i>et al.</i> 1990										
<i>tusculus</i> (Ehrenberg) D.G. Mann & Stickle in Round <i>et al.</i> 1990	–	–	–	–				–	–	
[<i>Navicula tuscula</i> Ehrenberg 1840]										
[<i>Navicula tuscula</i> v. <i>obtusa</i> Hustedt 1922]										
[<i>Navicula tuscula</i> f. <i>obtusa</i> (Hustedt) Hustedt 1930]										
[<i>Navicula tuscula</i> f. <i>minor</i> Hustedt 1930]										
<i>Anomoeoneis</i> Pfitzer 1871										
<i>sphaerophora</i> (Ehrenberg) Pfitzer 1871										
[<i>Navicula sphaerophora</i> Ehrenberg 1843]										
f. <i>sphaerophora</i>	–	–	–	–	–		–	–	–	–
f. <i>costata</i> (Kützing) Schmid 1977	–	–	–	–	–		–	–	–	–
[<i>Navicula costata</i> Kützing 1844]										
[<i>Anomoeoneis polygramma</i> P.T. Cleve 1895]										
[non <i>Stauroneis polygramma</i> Ehrenberg 1843]										
[<i>Anomoeoneis sphaerophora</i> v. <i>polygramma</i> (P.T. Cleve) O. Müller 1899]										
[<i>Anomoeoneis costata</i> (Kützing) Hustedt 1959]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
f. <i>sculpta</i> (Ehrenberg) Krammer 1985 [<i>Navicula sculpta</i> Ehrenberg 1854] [<i>Anomoeoneis sculpta</i> (Ehrenberg) P.T. Cleve 1895] [<i>Anomoeoneis sphaerophora</i> v. <i>sculpta</i> (Ehrenberg) O. Müller 1899]	-	-	-	-	-			-	-	
Ardissonea De Notaris 1870										
crystallina (C.A. Agardh) Grunow in Cleve & Grunow 1880 [<i>Diatoma crystallinum</i> C.A. Agardh 1824] [<i>Synedra crystallina</i> (C.A. Agardh) Kützing 1944]		-	?	-	-	-	-	-	-	-
fulgens (Greville) Grunow in Cleve & Grunow 1880 [<i>Exilaria fulgens</i> Greville 1827] [<i>Synedra fulgens</i> (Greville) W. Smith 1853]	-		-	-	-	-	-	-	-	-
Asterionella Hassall 1850										
formosa Hassall 1850 [<i>Asterionella gracillima</i> (Hantzsch) Heiberg 1863] [<i>Asterionella formosa</i> v. <i>gracillima</i> (Hantzsch) Grunow in Van Heurck 1881] [<i>Asterionella formosa</i> v. <i>acaroides</i> Lemmermann 1906] [<i>Asterionella gracillima</i> f. <i>tabellarioides</i> Cleve-Euler 1910]	f	f	f	f	f	f	f	-	f	f
Asterionellopsis Round in Round et al. 1990										
glacialis (Castracane) Round in Round et al. 1990 [<i>Asterionella glacialis</i> Castracane 1886] [<i>Asterionella japonica</i> P.T. Cleve in Cleve & Möller 1878]	c	-	-	-	-	-	-	-	-	-
kariana (Grunow in Cleve & Grunow) Round in Round et al. 1990 [<i>Asterionella kariana</i> Grunow in Cleve & Grunow 1880]	c	-	-	-	-	-	-	-	-	-
Auricula Castracane 1873 nom. cons.										
complexa (Gregory) P.T. Cleve 1894 [<i>Amphiprora complexa</i> Gregory 1857]		-	-	-	-	-	-	-	-	-
decipiens (Grunow in Van Heurck) P.T. Cleve 1894 [<i>Amphoropsis decipiens</i> Grunow in Van Heurck 1881]		-	-	-	-	-	-	-	-	-
hoffmannii Simonsen 1959		-	-	-	-	-	-	-	-	-
minuta P.T. Cleve 1894	+	-	-	-	-	-	-	-	-	-
Bacillaria Gmelin in L. 1788										
paxillifera (O.F. Müller) Hendey 1951 (73) [<i>Vibrio paxillifer</i> O.F. Müller 1786] [<i>Bacillaria paradoxa</i> Gmelin in L. 1788] [<i>Nitzschia paxillifer</i> (O.F. Müller) Heiberg 1863] [<i>Nitzschia paradoxa</i> (Gmelin) Grunow in Cleve & Grunow 1880]								-		
Berkeleya Greville 1827 emend. E.J. Cox 1975										
rutilans (Trentepohl ex Roth) Grunow 1880 [<i>Conferva rutilans</i> Trentepohl ex Roth 1806] [<i>Amphipectura rutilans</i> (Trentepohl ex Roth) P.T. Cleve 1894]						-		-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Bleakeleya Round in Round <i>et al.</i> 1990										
<i>notata</i> (Grunow) Round in Round <i>et al.</i> 1990	+	+	?	-	-	-	-	-	-	-
[Asterionella bleakeleyi v. notata Grunow 1867]										
[Asterionella notata (Grunow) Grunow in Van Heurck 1881]										
[Asterionella bleakeleyi W. Smith 1856]										
Brachysira Kützing 1836										
<i>brebissonii</i> R. Ross in Hartley 1986	-	-	-	-	-	-	If	-	-	-
[Navicula brachysira Brébisson ex Rabenhorst 1853]										
[Anomoeneis serians v. brachysira (Brébisson ex Rabenhorst) Hustedt 1930]										
<i>serians</i> (Brébisson ex Kützing) Round & Mann 1981	-	+	-	-	-	-	-	-	-	-
[Navicula serians Brébisson ex Kützing 1844]										
[Anomoeneis serians (Brébisson ex Kützing) Round & Mann 1981]										
<i>vitrea</i> (Grunow) R. Ross in Hartley 1986	-	-	-	-	-	-	If	-	-	-
[Gomphonema vitreum Grunow 1878]										
[Anomoeneis exilis sensu P.T. Cleve 1895]										
[Anomoeneis vitrea (Grunow) Ross in Patrick & Reimer 1966]										
[non Navicula exilis Kützing 1844]										
Brebissonia Grunow 1860 <i>nom. cons.</i>										
<i>lanceolata</i> (C.A. Agardh) Mahoney & Reimer 1984	-		-	-	-			-		
[Gomphonema lanceolatum C.A. Agardh 1831]										
[Cocconema boeckii Ehrenberg 1835]										
[Brebissonia boeckii (Ehrenberg) Grunow 1860]										
[Vanheurckia boeckii (Ehrenberg) Schütt 1896]										
Caloneis P.T. Cleve 1894										
<i>amphisbaena</i> (Bory) P.T. Cleve 1894	-	-		-	-			-		
[Navicula amphisbaena Bory 1824]										
<i>bacillum</i> (Grunow) P.T. Cleve 1894	-	-	-	-	If	-	If	-	-	-
[Stauroneis bacillum Grunow 1860]										
<i>crassa</i> (Gregory) R. Ross in Hartley 1986	-	-		-	-	-	-	-	-	-
[Navicula crassa Gregory 1855]										
[Navicula brevis Gregory 1857]										
[Caloneis brevis (Gregory) P.T. Cleve 1894]										
<i>molaris</i> (Grunow) Krammer 1985	-	-	-	-	-	-	If	-	-	-
[Navicula molaris Grunow 1863]										
[Pinnularia molaris (Grunow) P.T. Cleve 1895]										
<i>permagna</i> (J.W. Bailey) P.T. Cleve 1894	-	-	-	-	-	-		-		
[Pinnularia permagna J.W. Bailey 1851]										
<i>schumanniana</i> (Grunow) P.T. Cleve 1894	-	-	-	-	-	-	If	-	-	-
[Navicula schumanniana Grunow 1880]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>silicula</i> (Ehrenberg) P.T. Cleve 1894 [<i>Navicula silicula</i> Ehrenberg 1838] [<i>Navicula ventricosa</i> v. <i>truncatula</i> Grunow in Van Heurck 1880] [<i>Caloneis silicula</i> v. <i>truncatula</i> (Grunow) P.T. Cleve 1894]	-	-	-	-	-	-	If	-	-	-
<i>subsalina</i> (Donkin) Hendey 1951 [<i>Navicula subsalina</i> Donkin 1871] [<i>Caloneis amphibaena</i> v. <i>subsalina</i> (Donkin) P.T. Cleve 1894] [<i>Caloneis amphibaena</i> f. <i>subsalina</i> (Donkin) van der Werff & Huls 1957]	-	-		-	-			-		
sp.	-	-	-	-	-	-	-	-		
Campylodiscus Ehrenberg 1840 <i>bicostatus</i> W. Smith in Roper 1854 [<i>Campylodiscus clypeus</i> v. <i>bicostata</i> (W. Smith) Hustedt 1930] (107)				-	-			-	-	-
<i>clypeus</i> Ehrenberg 1840					-			-		
<i>echemeis</i> Ehrenberg 1840	+	+	+	-	+	+	+	-	-	+
<i>hibernicus</i> Ehrenberg 1845 [<i>Campylodiscus noricus</i> v. <i>hibernicus</i> (Ehrenberg) Grunow 1862]	-	-	-	-	-	-	f	-	-	-
<i>noricus</i> Ehrenberg 1841 sp.	If	If	-	-	-	-	-	-	-	-
Catacombas Williams & Round 1986 <i>gaillonii</i> (Bory) Williams & Round 1986 [<i>Navicula gaillonii</i> Bory 1824] [<i>Synedra gaillonii</i> (Bory) Ehrenberg 1830]	+	+	+		-	-		-	+	-
Catenula Mereschkowsky 1902–1903 <i>adhaerens</i> (Mereschkowsky) Mereschkowsky 1902–1903 [<i>Navicula adhaerens</i> Mereschkowsky 1902]			-	-	-	-	-	-	-	-
Cavinula D.G. Mann & Stickle in Round et al. 1990 <i>cocconeiformis</i> (Gregory ex Greville) D.G. Mann & Stickle in Round et al. 1990 [<i>Navicula cocconeiformis</i> Gregory ex Greville 1856]	-	-	-	-	-	-	If	-	-	-
<i>lacustris</i> (Gregory) D.G. Mann & Stickle in Round et al. 1990 [<i>Navicula lacustris</i> Gregory 1856]	-	-	-	-	-	If	If	-	-	-
<i>pseudoscutiformis</i> (Hustedt) D.G. Mann & Stickle in Round et al. 1990 [<i>Navicula pseudoscutiformis</i> Hustedt 1930]	-	-	-	-	-	-	If	-	-	-
<i>variostrata</i> (Krasske) D.G. Mann in Round et al. 1990 [<i>Navicula variostrata</i> Krasske 1923]	-	-	-	-	-	-	If	-	-	-
Coccioneis Ehrenberg 1838 <i>costata</i> Gregory 1855	-	-	-	-	-	-	Is	-	-	-
<i>disculus</i> (Schumann) P.T. Cleve in Cleve & Jentzsch 1882 [<i>Navicula disculus</i> Schumann 1864]	-	If	-	-	-	If	If	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
neodiminuta Krammer 1991	–	?	–	–	–	–		–	–	–
[?Cocconeis diminuta Pantocsek 1901]										
[Cocconeis disculus v. diminuta (Pantocsek) Scheshukova in Proschkina-Lavrenko 1951]										
neothumensis Krammer 1991	–	–	–	–	–	–	lf	–	–	–
[?Cocconeis thumensis A. Mayer 1919]										
pediculus Ehrenberg 1838								–		
pinnata Gregory ex Greville 1859	–	–	–	–	–	–	ls	–	–	–
placentula Ehrenberg 1838										
v. placentula			–				–			
v. euglypta (Ehrenberg) Grunow 1884	–	–	–	–	–			–		–
[Cocconeis euglypta Ehrenberg 1854]										
v. klinoraphis Geitler 1927	–	–	–	–	–	–		–	–	–
v. lineata (Ehrenberg) Van Heurck 1885	–	–	–	–	–	–		–	–	–
[Cocconeis lineata Ehrenberg 1843]										
scutellum Ehrenberg 1838										
v. scutellum								–		
v. intermedia Mereschowsky 1902	–	–	–	–	–		–	–	–	–
v. minutissima Grunow in Van Heurck 1880	–	–		–	–	–	–	–	–	–
v. parva (Grunow in Van Heurck) P.T. Cleve 1896	–	–			–	–		–		–
[Cocconeis scutellum f. parva Grunow in Van Heurck 1880]										
stauroneiformis (W. Smith) Okuno 1957	–	–	–	–	–	–		–	–	–
[Cocconeis scutellum v. stauroneiformis W. Smith 1853]										
sp.	–				–	–	–	–		
Cosmioneis D.G. Mann & Stickle in Round et al. 1990										
lundstroemii (P.T. Cleve) D.G. Mann in Round et al. 1990	–	–	–	–	–	–		–	–	–
[Navicula lundstroemii Cleve in Cleve & Grunow 1880]										
[Navicula pusilla v. lundstroemii (Cleve) Lange-Bertalot 1985]										
pusilla (W. Smith) D.G. Mann & Stickle in Round et al. 1990	–	–	–		–			–	–	–
[Navicula pusilla W. Smith 1853]										
Craticula Grunow 1868										
ambigua (Ehrenberg) D.G. Mann in Round et al. 1990	–	–	–	–	–	–		–	–	
[Navicula ambigua Ehrenberg 1843]										
[Navicula cuspidata v. ambigua (Ehrenberg) P.T. Cleve 1894]										
cuspidata (Kützing) D.G. Mann in Round et al. 1990			–	–	–	–	–	–	–	–
[Frustulia cuspidata Kützing 1833]										
[Navicula cuspidata (Kützing) Kützing 1844]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>halophila</i> (Grunow ex Van Heurck) D.G. Mann <i>in</i> Round <i>et al.</i> 1990	–	–	–	–	–			–	–	–
[<i>Navicula cuspidata</i> v. <i>halophila</i> Grunow ex Van Heurck 1885]										
[<i>Navicula halophila</i> (Grunow ex Van Heurck) P.T. Cleve 1894]										
[<i>Navicula halophila</i> v. <i>subcapitata</i> Østrup 1910]										
[<i>Navicula simplex</i> Krasske 1925]										
<i>Ctenophora</i> (Grunow) Williams & Round 1986										
<i>pulchella</i> (Ralfs ex Kützing) Williams & Round 1986				–				–		
[<i>Exilaria pulchella</i> Ralfs ex Kützing 1844]										
[<i>Synedra pulchella</i> (Ralfs ex Kützing) Kützing 1844]										
[<i>Synedra pulchella</i> v. <i>lanceolata</i> O'Meara 1875]										
[<i>Synedra pulchella</i> f. <i>maior</i> Grunow <i>in</i> Van Heurck 1881]										
[<i>Synedra pulchella</i> v. <i>smithii</i> (Ralfs) Grunow <i>in</i> Van Heurck 1881]										
[<i>Fragilaria pulchella</i> (Ralfs ex Kützing) Lange-Bertalot 1980]										
<i>Cylindrotheca</i> Rabenhorst 1859										
<i>closterium</i> (Ehrenberg) Reimann & J. Lewin 1964	+	+	+	+	+	+	+	–	+	+
[<i>Ceratoneis closterium</i> Ehrenberg 1841]										
[<i>Nitzschia closterium</i> (Ehrenberg) W. Smith 1853]										
[<i>Nitzschia curvirostris</i> v. <i>closterium</i> (Ehrenberg) Van Heurck 1881]										
[? <i>Nitzschia curvirostris</i> v. <i>delicatissima</i> Lemmermann 1898]										
<i>gracilis</i> (Brébisson ex Kützing) Grunow <i>in</i> Van Heurck 1882	+	+	–	–	–	–	+	–	–	–
[<i>Ceratoneis gracilis</i> Brébisson ex Kützing 1849]										
[<i>Cylindrotheca gerstenbergeri</i> Rabenhorst 1859]										
<i>Cymatopleura</i> W. Smith 1851 <i>nom. cons.</i>										
<i>elliptica</i> (Brébisson ex Kützing) W. Smith 1851										
[<i>Surirella elliptica</i> Brébisson ex Kützing 1844]										
v. <i>elliptica</i>	!?	–		–	–			–	–	
v. <i>hibernica</i> (W. Smith) Van Heurck 1896	–	–	lf	–	–	–	–	–	–	–
[<i>Cymatopleura hibernica</i> W. Smith 1851]										
[<i>Cymatopleura nobilis</i> Hantzsch 1860]										
[<i>Cymatopleura elliptica</i> v. <i>nobilis</i> (Hantzsch) Hustedt <i>in</i> A. Schmidt 1912]										
<i>solea</i> (Brébisson) W. Smith 1851	–	–	(f)	–	–	(f)	(f)	–	(f)	+
[<i>Cymbella solea</i> Brébisson <i>in</i> Brébisson & Godey 1836]										
[<i>Cymatopleura solea</i> v. <i>regula</i> (Ehrenberg) Grunow 1862]										
<i>Cymbella</i> C.A. Agardh 1830 <i>nom. cons.</i>										
<i>affinis</i> Kützing 1844	–	–	–	–	–	lf	lf	–	–	
[<i>Cocconema parvum</i> W. Smith 1853]										
[<i>Cymbella parva</i> (W. Smith) Kirchner 1878]										
<i>amphicephala</i> Nägeli <i>in</i> Kützing 1849	–	–	–	–	–	–	lf	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>amphioxys</i> (Kützing) P.T. Cleve 1894 [<i>Navicula amphioxys</i> Kützing 1844]	–	–	–	–	–	–	lf	–	–	–
<i>aspera</i> (Ehrenberg) Peragallo 1849 [<i>Cocconema asperum</i> Ehrenberg 1839] [<i>Cymbella gastroides</i> (Kützing) Kützing 1844]	?	–	–	–	–	–	lf	–		
<i>cesatii</i> (Rabenhorst) Grunow in A. Schmidt 1881 [<i>Navicula cesatii</i> Rabenhorst 1853]	–	–	–	–	–	–	lf	–	–	–
<i>cistula</i> (Ehrenberg) Kirchner 1878 [<i>Bacillaria cistula</i> Ehrenberg 1828] [<i>Cymbella cistula</i> v. <i>maculata</i> (Kützing) Van Heurck 1880] [= <i>Cymbella cistula</i> v. " <i>macilenta</i> " Halme & Mölder 1958 <i>lapsus pennae</i>]	lf	–	–	–	–	lf	lf	–	–	
<i>cuspidata</i> Kützing 1844	–	–	–	–	–	–	lf	–	–	–
<i>cymbiformis</i> C.A. Agardh 1830	–	–	–	–	–	–	lf	–	–	–
<i>ehrenbergii</i> Kützing 1844	–	–	–	–	–	–	lf	–	–	–
<i>estonica</i> Mölder 1937 (2)	–	–	–	–	–	–	lf	–	–	–
<i>falaisiensis</i> (Grunow) Krammer & Lange-Bertalot 1985 [<i>Navicula falaisiensis</i> Grunow 1880] [? <i>Navicula falaisiensis</i> v. <i>lanceola</i> Grunow 1880]	–	–	–	–	–	–	lf	–	–	–
<i>gracilis</i> (Ehrenberg) Kützing 1844 [<i>Cocconema gracile</i> Ehrenberg 1843]	–	–	–	–	–	–	lf	–	–	–
<i>helvetica</i> Kützing 1844	–	–	–	–	–	l(f)	l(f)	–	–	–
<i>hustedtii</i> Krasske 1923	–	–	–	–	–	–	lf	–	–	–
<i>lanceolata</i> (Ehrenberg) Kirchner 1878 [<i>Cocconema lanceolatum</i> Ehrenberg 1838]	–	–	lf	–	–	lf	lf	–	–	
<i>leptoceros</i> (Ehrenberg) Kützing 1844 [<i>Cocconema leptoceros</i> Ehrenberg 1843]	–	–	lf	–	–	–	lf	–	–	–
<i>microcephala</i> Grunow in Van Heurck 1880	–	–	–	–	–	–	lf	–	–	–
<i>naviculiformis</i> Auerswald ex Heiberg 1863 [<i>Cymbella cuspidata</i> v. <i>naviculiformis</i> (Auerswald ex Heiberg) Rabenhorst 1864]	–	–	–	–	–	–	lf	–	–	–
<i>obtusiuscula</i> Kützing 1844	–	–	–	–	–	–	lf	–	–	–
<i>pusilla</i> Grunow in A. Schmidt 1875	–	–		–	–			–	–	–
<i>reinhardtii</i> Grunow in A. Schmidt 1875	–	–	–	–	–	–	lf	–	–	–
<i>rupicola</i> Grunow in A. Schmidt 1881	–	–	–	–	–	–	lf	–	–	–
<i>tumida</i> (Brébisson) Van Heurck 1880 [<i>Cocconema tumidum</i> Brébisson in Kützing 1849]	–	–	–	–	–	–	lf	–	–	–
<i>tumidula</i> Grunow in A. Schmidt 1875	–	–	–	–	–	–	lf	–	–	–
sp.	–	–	–	–	–	–	–	–		–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Diatoma</i> Bory 1824 nom. cons.										
<i>constricta</i> (Grunow in Van Heurck) Williams 1985 [<i>Diatoma vulgaris</i> v. <i>constricta</i> Grunow in Van Heurck 1881]	-	-	If	-	If	-	If	-	If	If
<i>ehrenbergii</i> Kützing 1844 [<i>Diatoma vulgaris</i> v. <i>ehrenbergii</i> (Kützing) Grunow 1862]	-	-	-	-	-	-	If	-	If	-
<i>hyemalis</i> (Roth) Heiberg 1863 (" <i>hiemale</i> ") [<i>Conferva hyemalis</i> Roth 1800]	-	-	-	-	-	If	If	-	-	-
<i>mesodon</i> (Ehrenberg) Kützing 1844 [<i>Fragilaria mesodon</i> Ehrenberg 1839] [<i>Diatoma hiemalis</i> v. <i>mesodon</i> (Ehrenberg) Grunow 1862]	-	-	-	-	-	-	If	-	-	-
<i>moniliformis</i> Kützing 1833 [<i>Diatoma tenuis</i> v. <i>monillformis</i> Kützing 1833] [<i>Diatoma elongatum</i> auct. p.p.] [<i>Diatoma tenue</i> v. <i>minor</i> Grunow 1862] [? <i>Diatoma elongatum</i> v. <i>subsalsa</i> Cleve-Euler 1912] [<i>Diatoma elongatum</i> v. <i>subsalsa</i> (?) f. <i>curta</i> Cleve-Euler 1912]	-	-	(I)	-	-	(I)	(I)	-	(I)	(I)
<i>tenuis</i> C.A. Agardh 1812 [<i>Diatoma tenuis</i> v. <i>elongatum</i> Lyngbye 1819] [<i>Diatoma elongatum</i> (Lyngbye) C.A. Agardh 1824] [<i>Diatoma elongatum</i> v. <i>tenuis</i> (C.A. Agardh) Van Heurck 1885] [<i>Diatoma tenue</i> v. <i>hybrida</i> Grunow in Van Heurck 1881] [<i>Diatoma elongatum</i> v. <i>hybrida</i> (Grunow) Cleve-Euler 1912] [? <i>Diatoma tenue</i> v. <i>asterionelloides</i> Reichelt] [? <i>Diatoma elongatum</i> v. <i>actinastroides</i> Krieger 1927]	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)
<i>vulgaris</i> Bory 1824 v. <i>vulgaris</i> v. <i>capitulata</i> Grunow 1862 v. <i>ovalis</i> (Fricke) Hustedt 1930 [<i>Diatoma ovalis</i> Fricke in A. Schmidt 1906] v. <i>producta</i> Grunow 1862			I	-	I		I	-	I	I
sp.	-	+	+	+		-	-	-	+	+
<i>Didymosphenia</i> M. Schmidt 1899 nom. cons. <i>geminata</i> (Lyngbye) M. Schmidt 1899 [<i>Echinella geminata</i> Lyngbye 1819]	-	-	-	-	-	-	If	-	-	-
<i>Diploneis</i> Ehrenberg ex P.T. Cleve 1894 <i>bombus</i> (Ehrenberg) Ehrenberg ex P.T. Cleve 1894 [<i>Pinnularia bombus</i> Ehrenberg 1844] <i>coffaeiformis</i> (A. Schmidt) P.T. Cleve 1894 [<i>Navicula coffaeiformis</i> A. Schmidt 1874]	-	-	-	-	-	-	Is	-	-	-
	-	-	-	-	-	?	-	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
didyma (Ehrenberg) P.T. Cleve 1894 [<i>Navicula (Pinnularia) didyma</i> Ehrenberg 1841]	+	+	+	?	+	+	+	–	–	–
domblittensis (Grunow) P.T. Cleve 1894 [<i>Navicula expleta</i> v. <i>domblittensis</i> Grunow 1882]	–	lf	–	–	–	–	lf	–	–	–
elliptica (Kützing) P.T. Cleve 1891 [<i>Navicula elliptica</i> Kützing 1844]	–	–	–	–	–	l(f)	l(f)	–	–	l
finnica (Ehrenberg) P.T. Cleve 1891 [<i>Cocconeis finnica</i> Ehrenberg 1838] [<i>Diploneis clevei</i> Fontell 1917] [<i>Diploneis finnica</i> v. <i>clevei</i> (Fontell) Hustedt 1937]	–	–	–	–	–	–	lf	–	lf	–
interrupta (Kützing) P.T. Cleve 1894 [<i>Navicula interrupta</i> Kützing 1844]										
v. interrupta	–	?	+	?	l	l	l	–	l	l
v. clancula (A. Schmidt) P.T. Cleve 1894 [<i>Navicula clancula</i> A. Schmidt 1875]	–	–	–	?	–	–	–	–	–	–
v. heeri (Pantocsek) Hustedt 1937 [<i>Navicula heeri</i> Pantocsek 1889]	–	–	–	–	–	–	l	–	–	–
mauleri (Brun) P.T. Cleve 1894 [<i>Navicula mauleri</i> Brun 1880]	–	–	–	–	–	–	lf	–	–	–
oblongella (Nägeli) Cleve-Euler 1922 [<i>Navicula oblongella</i> Nägeli in Kützing 1849] [<i>Diploneis (ovalis</i> var. ?) <i>oblongella</i> (Nägeli) P.T. Cleve 1894]	–	–	–	–	lf	–	–	–	–	–
oculata (Brébisson) P.T. Cleve 1894 [<i>Navicula oculata</i> Brébisson 1870]	–	–	–	–	–	–	lf	–	–	–
ovalis (Hilse in Rabenhorst) P.T. Cleve 1891 [<i>Pinnularia ovalis</i> Hilse in Rabenhorst 1861] [<i>Navicula ovalis</i> (Hilse in Rabenhorst) A. Schmidt 1874]	–	lf	lf	–	–	lf	lf	–	–	–
papula (A. Schmidt) P.T. Cleve 1894 [<i>Navicula papula</i> A. Schmidt 1875]	–	–	–	–	–	l	–	–	–	–
puella (Schumann) P.T. Cleve 1894 [<i>Navicula puella</i> Schumann 1867]	–	–	–	–	–	–	lf	–	–	–
smithii (Brébisson in W. Smith) P.T. Cleve 1894 (2) [<i>Navicula smithii</i> Brébisson in W. Smith 1856]										
v. smithii	l	?	–	?	l	l	l	–	l	l
v. dilatata (M. Peragallo) Terry 1908 [<i>Navicula smithii</i> v. <i>dilatata</i> M. Peragallo in Tempère & Peragallo 1908]	–	–	–	–	–	l	–	–	–	–
v. pumila (Grunow) Hustedt 1937 [<i>Navicula ovalis</i> v. <i>pumila</i> Grunow 1882]	–	–	–	–	–	–	l	–	–	–
[v. recta Peragallo = ?] (Halme & Mölder 1958) (2)	–	–	–	–	–	–	l	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
v. rhombica (Mereschkowsky) Mereschkowsky 1912 [<i>Diploneis smithii</i> f. <i>rhombica</i> Mereschkowsky 1902]	–	–	I	–	–	I	I	–	I	–
stroemii Hustedt 1937	–	?	–	?	–	–	–	–	–	–
vacillans (A. Schmidt) P.T. Cleve 1894 [<i>Navicula vacillans</i> A. Schmidt 1875]	–	–	–	?	–	–	–	–	–	–
sp.	+	–	–	–	–	–	–	–	+	+
Encyonema Kützing 1833										
caespitosum Kützing 1849 [<i>Cymbella caespitosa</i> (Kützing) Brun 1880]	–	–	–	–	–	I	–	–	–	–
elginense (Krammer) D.G. Mann in Round <i>et al.</i> 1990 [<i>Cymbella elginensis</i> Krammer 1981] [<i>Cymbella turgida</i> Gregory 1856] [non <i>Cymbella turgida</i> Hassall 1844] [<i>Encyonema turgidum</i> (Gregory) Grunow ex A. Schmidt 1875]	–	–	–	–	–	If	If	–	–	–
gracile (Ehrenberg) Rabenhorst 1853 [<i>Cocconema gracile</i> Ehrenberg 1843] [<i>Cymbella gracilis</i> (Ehrenberg) Kützing 1844]	–	–	–	–	–	–	–	–	–	If
hyndmanii W. Smith 1850	–	–	–	–	–	–	–	–	–	I
lacustre (C.A. Agardh) D.G. Mann in Round <i>et al.</i> 1990 [<i>Schizonema lacustre</i> C.A. Agardh 1824] [<i>Cymbella lacustris</i> (C.A. Agardh) P.T. Cleve 1894]	–	–	–	–	–	–	If	–	–	–
minutum (Hilse in Rabenhorst) D.G. Mann in Round <i>et al.</i> 1990 (4) [<i>Cymbella minuta</i> Hilse in Rabenhorst 1862] [<i>Cymbella ventricosa</i> Kützing 1844 p.p.]	–	–	–	–	–	–	–	–	–	I
norvegica (Grunow in A. Schmidt) Bukhtiyarova [<i>Cymbella norvegica</i> Grunow in A. Schmidt 1875]	–	–	–	–	–	–	If	–	–	–
perpusillum (A. Cleve) D.G. Mann in Round <i>et al.</i> 1990 [<i>Cymbella perpusilla</i> A. Cleve 1895]	–	–	–	–	–	If	–	–	–	–
prostratum (Berkeley) Kützing 1844 [<i>Monema prostratum</i> Berkeley 1832] [<i>Cymbella prostrata</i> (Berkeley) P.T. Cleve 1894]	–	–	Ib	–	–	Ib	Ib	–	–	I
silesiacum (Bleisch in Rabenhorst) D.G. Mann in Round <i>et al.</i> 1990 [<i>Cymbella silesiaca</i> Bleisch in Rabenhorst 1864] [<i>Cymbella ventricosa</i> Kützing 1844 p.p.] [<i>Cymbella minuta</i> v. <i>silesiaca</i> (Bleisch in Rabenhorst) Reimer in Patrick & Reimer 1975]	–	–	If	–	–	If	If	–	–	I
Epithemia Brébisson ex Kützing 1844										
adnata (Kützing) Rabenhorst 1853 [<i>Frustulia adnata</i> Kützing 1833]	I	I	I	–	–	I	I	–	–	I

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
[<i>Epithemia zebra</i> (Ehrenberg) Kützing 1844]										
[<i>Epithemia zebra</i> v. <i>porcellus</i> (Kützing) Grunow 1862]										
[<i>Epithemia zebra</i> v. <i>saxonica</i> (Kützing) Grunow 1862]										
argus (Ehrenberg) Kützing 1844	–	If	–	–	–		–	–	–	–
[<i>Eunotia argus</i> Ehrenberg 1843]										
frickei Krammer 1987	–		–	–	–	–	–	–	–	–
[<i>Epithemia intermedia</i> Fricke in A. Schmidt 1904]										
[non <i>Epithemia intermedia</i> Hilse 1860]										
[<i>Epithemia zebra</i> v. <i>intermedia</i> (Fricke) Hustedt 1934]										
[non <i>Epithemia zebra</i> v. <i>intermedia</i> Wartmann in Rabenhorst 1861–1879]										
hyndmannii W. Smith 1850	–	If	–	–		–		–	–	–
sorex Kützing 1844								–		
turgida (Ehrenberg) Kützing 1844										
[<i>Navicula turgida</i> Ehrenberg 1832]										
v. turgida								–		
v. granulata (Ehrenberg) Brun 1880	–	–	–	–	–		–	–	–	–
[<i>Navicula granulata</i> Ehrenberg 1836]										
[<i>Epithemia granulata</i> (Ehrenberg) Kützing 1844]										
v. westermannii (Ehrenberg) Grunow 1862				–	–			–	–	
[<i>Navicula westermannii</i> Ehrenberg 1833]										
[<i>Epithemia westermannii</i> (Ehrenberg) Kützing										
sp.	–	–	–	–	–	–		–		
Eunotia Ehrenberg 1837										
arcus Ehrenberg 1837										
v. arcus	–	–	–	–	–	If	If	–	–	–
v. bidens Grunow in Van Heurck 1881	–	–	–	–	–	–	If	–	–	–
bilunaris (Ehrenberg) Mills 1934										
[<i>Synedra bilunaris</i> Ehrenberg 1832]										
[<i>Eunotia lunaris</i> (Ehrenberg) Grunow in Van Heurck 1881]										
[non <i>Eunotia lunaris</i> Brébisson ex Rabenhorst 1864]										
v. bilunaris	–	If	–	–	–	If	If	–	–	
v. mucophila Lange-Bertalot & Nörpel 1991 in										
Alles, Nörpel & Lange-Bertalot 1991	–	–	–	–	–	–	If	–	–	–
[<i>Eunotia lunaris</i> v. <i>subarcuata</i> (Nägeli) Grunow in Van Heurck 1881]										
diodon Ehrenberg 1837	–	–	–	–	–	–	If	–	–	–
exigua (Brébisson ex Kützing) Rabenhorst 1864	–	–	–	–	–	–	If	–	–	–
[<i>Himantidium exiguum</i> Brébisson ex Kützing 1849]										
faba Ehrenberg 1838	–	–	–	–	–	–	If	–	–	–
fallax A. Cleve 1895	–	–	–	–	–	–	If	–	–	–

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>alpestris</i> Krasske ex Hustedt 1931	–	If	–	–	–	–	–	–	–	–
[<i>bidens</i> Heiberg 1863 = ?] (Krammer & Lange-Bertalot 1991) (2)	–	–	–	–	–	If	–	–	–	–
<i>capucina</i> Desmazières 1825										
<i>v. capucina</i>	If	If	If	–	If	If	If	–	If	I
<i>v. gracilis</i> (Østrup) Hustedt 1950	–	–	–	–	–	–	If	–	–	–
[<i>Fragilaria gracilis</i> Østrup 1910]										
[<i>Synedra rumpens</i> v. <i>familiaris</i> (Kützing) Grunow in Van Heurck 1881]										
[? <i>Synedra rumpens</i> v. <i>scotica</i> Grunow in Van Heurck 1881]										
<i>v. mesolepta</i> (Rabenhorst) Rabenhorst 1864	–	–	–	–	–	If	–	–	–	–
[<i>Fragilaria mesolepta</i> Rabenhorst 1861]										
<i>v. rumpens</i> (Kützing) Lange-Bertalot 1991	–	–	–	–	–	–	If	–	–	–
[<i>Synedra rumpens</i> Kützing 1844]										
<i>crotonensis</i> Kitton 1869	f	f	f	f	f	f	f	–	f	f
<i>heidenii</i> Østrup 1910 (2)	–	f	f	–	–	–	f	–	–	–
[<i>Synedra inflata</i> Heiden 1900]										
[<i>Fragilaria inflata</i> (Heiden) Hustedt 1931]										
[non <i>Fragilaria inflata</i> Pantocsek 1902]										
<i>hyalina</i> (Kützing) Grunow 1862 (2, 15, 93)	–	–	–	–	–	I	–	–	–	–
[<i>Diatoma hyalinum</i> Kützing 1844]										
<i>istvanffy</i> Pantocsek 1902 (2)	–	–	I	–	–	?	–	–	–	–
[<i>Fragilaria inflata</i> v. <i>istvanffy</i> (Pantocsek) Hustedt 1931]										
<i>nitzschoides</i> Grunow in Van Heurck 1881 (2)	–	–	If	–	–	–	–	–	–	–
<i>striatula</i> Lyngbye 1819 (2)	(I)	–	–	–	–	–	–	–	–	–
<i>vaucheriae</i> (Kützing) J.B. Petersen 1938	–	–	If	–	If	If	If	–	–	I
[<i>Exilaria vaucheriae</i> Kützing 1833]										
[<i>Synedra vaucheriae</i> (Kützing) Kützing 1844]										
[<i>Fragilaria intermedia</i> Grunow in Van Heurck 1881]										
[<i>Fragilaria capucina</i> v. <i>vaucheriae</i> (Kützing) Lange-Bertalot 1980]										
sp.	–	?	?	–	–	–	–	–	–	–
<i>Fragilariforma</i> Williams & Round 1988										
[<i>Neofragilaria</i> Williams & Round 1988 (1987)]										
[non <i>Neofragilaria</i> Desikachary, Prasad & Prema in Desikachary & Prema 1987]										
<i>virescens</i> (Ralfs) Williams & Round 1988										
[<i>Fragilaria virescens</i> Ralfs 1843]										
[? <i>Fragilaria virescens</i> v. <i>oblongella</i> Grunow in Van Heurck 1881] (2)										
[<i>Neofragilaria virescens</i> (Ralfs) Williams & Round 1988 (1987)]										
<i>v. virescens</i>	If	If	–	–	–	If	If	–	–	–
[<i>Fragilaria virescens</i>] v. <i>elliptica</i> Hustedt 1914 (75)	–	–	–	–	–	–	If	–	–	–
[<i>Fragilaria virescens</i>] v. <i>subsalina</i> Grunow 1881 (75)	–	–	–	–	–	–	I	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Fragilariopsis Hustedt in A. Schmidt 1913 <i>emend.</i> Hasle 1993										
<i>cylindrus</i> (Grunow in Cleve & Möller) W. Krieger in Helmcke & Krieger 1954 [Fragilaria cylindrus Grunow in Cleve & Möller 1882 ("cylindrica" auct.)] [Nitzschia cylindrus (Grunow in Cleve & Möller) Hasle 1972]	c	+	-	-	c	c	c	-	c	c
<i>oceanica</i> (P.T. Cleve) Hasle 1965 [Fragilaria oceanica P.T. Cleve 1873] [Nitzschia grunowii Hasle 1972]	c	-	-	-	-	-	-	-	-	-
Frustulia Rabenhorst 1853 <i>nom. cons.</i>										
<i>rhomboides</i> (Ehrenberg) De Toni 1891 [Navicula rhomboides Ehrenberg 1843]										
v. rhomboides [Frustulia saxonica v. capitata A. Mayer 1916] [Frustulia rhomboides v. saxonica f. capitata (A. Mayer) Hustedt 1930] [Frustulia rhomboides v. saxonica f. undulata Hustedt 1930]	-	-	-	-	-	-	lf	-	-	-
v. saxonica (Rabenhorst) De Toni 1891 [Frustulia saxonica Rabenhorst 1853]	-	-	-	-	-	-	lf	-	-	-
<i>vulgaris</i> (Thwaites) De Toni 1891 [Schizonema vulgare Thwaites 1848]	-	-	-	-	-	-	lf	-	-	-
Gomphonema Ehrenberg 1832 <i>nom. cons.</i>										
<i>acuminatum</i> Ehrenberg 1832										
v. acuminatum	-	-	lf	-	-	lf	lf	-	-	-
v. brebissonii (Kützing) Schönfeldt 1907 [Gomphonema brebissonii Kützing 1849]	-	-	-	-	-	-	lf	-	-	-
v. coronatum (Ehrenberg) W. Smith 1853 [Gomphonema coronatum Ehrenberg 1840]	-	-	lf	-	-	lf	lf	-	-	-
v. trigonocephalum (Ehrenberg) Grunow in Van Heurck 1880 [Gomphonema trigonocephalum Ehrenberg 1854]	-	-	-	-	-	-	lf	-	-	-
<i>affine</i> Kützing 1844 (4) [Gomphonema lanceolatum auct.] [non Gomphonema lanceolatum Ehrenberg 1843] [nec Gomphonema lanceolatum C.A. Agardh 1830]	-	-	-	-	-	-	lf	-	-	-
<i>angustatum</i> (Kützing) Rabenhorst 1864 [Sphenella angustata Kützing 1844]										
v. angustatum	-	-	?	-	-	-	lf	-	-	-
v. productum Grunow in Van Heurck 1880	-	-	-	-	-	-	lf	-	-	-
<i>apicatum</i> Ehrenberg 1854 (2)	-	-	-	-	-	-	lf	-	-	-
<i>augur</i> Ehrenberg 1840	-	-	-	-	-	-	lf	-	-	-
<i>bohemicum</i> Reichelt & Fricke 1902 (2, 4)	-	-	-	-	-	-	lf	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
clavatum Ehrenberg 1832	-	-	-	-	-	-	If	-	-	
[<i>Gomphonema longiceps</i> Ehrenberg 1854]										
[<i>Gomphonema mustela</i> Ehrenberg 1854]										
[<i>Gomphonema longiceps</i> v. <i>montanum</i> (Schumann) Hustedt 1930]										
[? <i>Gomphonema longiceps</i> v. <i>montanum</i> f. <i>suecicum</i> (Grunow in Van Heurck) Hustedt 1930]										
[? <i>Gomphonema longiceps</i> v. <i>subclavatum</i> Grunow 1878]										
[? <i>Gomphonema longiceps</i> v. <i>subclavatum</i> f. <i>gracilis</i> Hustedt 1930]										
gracile Ehrenberg 1838	-	-	-	-	-	If	If	-	-	-
[<i>Gomphonema lanceolatum</i> Ehrenberg 1841]										
[<i>Gomphonema gracile</i> v. <i>lanceolatum</i> (Ehrenberg) P.T. Cleve 1894]										
grovei M. Schmidt 1899										
v. lingulatum (Hustedt) Lange-Bertalot 1985	-	-	-	-	-	-	If	-	-	-
[<i>Gomphonema abbreviatum</i> Kützing 1833]										
[non <i>Gomphonema abbreviatum</i> C.A. Agardh 1831]										
[<i>Gomphonema lingulatum</i> Hustedt 1927]										
helveticum Brun 1895	-	-	-	-	-	-	If	-	-	-
olivaceum (Hornemann) Brébisson 1838										
[<i>Ulva olivacea</i> Hornemann 1810]										
[<i>Echinella olivacea</i> (Hornemann) Lyngbye 1819]										
[<i>Gomphoneis olivacea</i> (Hornemann) P. Dawson ex R. Ross & Sims 1978]										
v. olivaceum				-				-		
v. calcareum (P.T. Cleve) P.T. Cleve 1894	-	-	-	-	-	-		-	-	-
[<i>Gomphonema calcareum</i> P.T. Cleve 1868]										
parvulum (Kützing) Kützing 1849										
[<i>Sphenella parvula</i> Kützing 1844]										
[<i>Gomphonema parvulum</i> v. <i>subellipticum</i> P.T. Cleve 1894]										
v. parvulum	-	-	l(f)	-	-	l(f)	l(f)	-	-	-
v. micropus (Kützing) P.T. Cleve 1894	-	-	-	-	-	-	If	-	-	-
[<i>Gomphonema micropus</i> Kützing 1844]										
truncatum Ehrenberg 1832	-	-	-	-	-	If	If	-	-	
[<i>Gomphonema constrictum</i> Ehrenberg 1832 (<i>nom. nud.</i> ?)]										
[<i>Gomphonema capitatum</i> Ehrenberg 1838]										
[<i>Gomphonema constrictum</i> v. <i>capitatum</i> (Ehrenberg) Grunow in Van Heurck 1985]										
[<i>Gomphonema truncatum</i> v. <i>capitatum</i> (Ehrenberg) Patrick in Patrick & Reimer 1975]										
sp.	+	+	-	-	-	-	-	-		

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
macrum (W. Smith) Griffith & Henfrey 1856	-	-	-	-	-	-	+	-	-	-
[<i>Pleurosigma macrum</i> W. Smith 1853]										
nodiferum (Grunow) Reimer 1966	-	-	-	-	-	-		-	-	-
[<i>Pleurosigma nodiferum</i> Grunow in Cleve & Grunow 1880]										
[<i>Gyrosigma spencerii</i> v. <i>nodifera</i> (Grunow) P.T. Cleve 1894]										
obscurum (W. Smith) Griffith & Henfrey 1856	-	-	-	-	-	-		-	-	-
[<i>Pleurosigma obscurum</i> W. Smith 1852]										
[<i>Pleurosigma subsalsum</i> Wislouch & Kolbe 1916]										
parkeri (Harrison) Elmore 1921	-	-	-	-	-	-		-	-	-
[<i>Pleurosigma parkeri</i> Harrison 1860]										
[<i>Gyrosigma distortum</i> v. <i>parkeri</i> (Harrison) P.T. Cleve 1894]										
scalpoides (Rabenhorst) P.T. Cleve 1894	-	-	-	-	-			-	-	-
[<i>Pleurosigma scalpoides</i> Rabenhorst 1861]										
spenceri (Quekett) Griffith & Henfrey 1856	-	-	-	-	-			-		
[<i>Navicula spenceri</i> Quekett 1848]										
[<i>Pleurosigma spenceri</i> (Quekett) W. Smith 1856]										
[<i>Pleurosigma kuetzingii</i> Grunow 1860]										
[<i>Gyrosigma spenceri</i> v. <i>kuetzingii</i> (Grunow) Grunow 1880]										
[<i>Gyrosigma kuetzingii</i> (Grunow) P.T. Cleve 1894]										
strigilis (W. Smith) P.T. Cleve 1894	-	-		-	-			-	-	-
[<i>Pleurosigma strigilis</i> W. Smith 1852]										
tenuirostrum (Grunow) Cleve-Euler 1952	?	-	-	-	-	-	+	-	-	-
[<i>Pleurosigma (fasciola</i> v.?) <i>tenuirostris</i> Grunow 1878]										
[<i>Gyrosigma fasciola</i> v. <i>tenuirostris</i> (Grunow) P.T. Cleve 1894]										
tenuissimum (W. Smith) Griffith & Henfrey 1856	c	+	-	-	-	-	-	-	-	-
[<i>Pleurosigma tenuissimum</i> W. Smith 1853]										
wansbeckii (Donkin) P.T. Cleve 1894		-	-	-	-			-	-	-
[<i>Pleurosigma wansbeckii</i> Donkin 1858]										
sp.	+	+	+	+	-	-	+	-	+	+
Hannaea Patrick in Patrick & Reimer 1966										
arcus (Ehrenberg) Patrick in Patrick & Reimer 1966	-	-	lf	-	-	-	lf	-	-	-
[<i>Navicula arcus</i> Ehrenberg 1938]										
[<i>Ceratoneis arcus</i> (Ehrenberg) Kützing 1844]										
[<i>Fragilaria arcus</i> (Ehrenberg) P.T. Cleve 1898]										
Hantzschia Grunow 1877 <i>nom. cons.</i>										
amphioxys (Ehrenberg) Grunow in P.T. Cleve & Grunow 1880										
[<i>Eunotia amphioxys</i> Ehrenberg 1843]										
f. amphioxys	-	-	-	-	-	lf	lf	-	-	-
f. capitata O. Müller 1909	-	-	-	-	-	-	lf	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>spectabilis</i> (Ehrenberg) Hustedt 1959 [<i>Synedra spectabilis</i> Ehrenberg 1843] [<i>Nitzschia spectabilis</i> (Ehrenberg) Ralfs in Pritchard 1861]			-	-	-	-		-	-	-
<i>virgata</i> (Roper) Grunow 1877 v. <i>virgata</i> v. <i>capitellata</i> Hustedt 1930	-	-	-	-	-		-	-	-	-
<i>vivax</i> (W. Smith) M. Peragallo in Tempère & Peragallo 1908 [<i>Nitzschia vivax</i> W. Smith 1853]	-	-	-	-	-	-		-	-	-
<i>Haslea</i> Simonsen 1974 <i>crucigera</i> (W. Smith) Simonsen 1974 [<i>Schizonema cruciger</i> W. Smith 1856] [<i>Navicula crucigera</i> (W. Smith) P.T. Cleve 1894]	-		-	-	-	-	-	-	-	-
<i>Licmophora</i> C.A. Agardh 1827 <i>nom. cons.</i> <i>abbreviata</i> C.A. Agardh 1831 [<i>Podosphenia lyngbyei</i> Kützing 1844] [<i>Licmophora lyngbyei</i> (Kützing) Grunow 1867]		?	?	-	-	-	-	-	-	-
<i>communis</i> (Heiberg) Grunow in Van Heurck 1881 [<i>Podosphenia communis</i> Heiberg 1863]	-	-	-	-		-		-	-	-
<i>debilis</i> (Kützing) Grunow in Van Heurck 1881 [<i>Podosphenia debilis</i> Kützing 1844]	-	-	-	-		-		-	-	-
<i>ehrenbergii</i> (Kützing) Grunow 1867 [<i>Podosphenia ehrenbergii</i> Kützing 1844]	-		-		-	-	-	-	-	-
<i>gracilis</i> (Ehrenberg) Grunow 1867 [<i>Podosphenia gracilis</i> Ehrenberg 1838]		-	-	-	-	-		-		-
v. <i>gracilis</i> v. <i>anglica</i> (Kützing) H. & M. Peragallo 1901 [<i>Rhipidophora anglica</i> Kützing 1844] [<i>Licmophora anglica</i> (Kützing) Grunow in Van Heurck 1881]	-	-	-	-		-		-		-
<i>juergensii</i> C.A. Agardh 1831 <i>oedipus</i> (Kützing) Grunow in Van Heurck 1881 [<i>Rhipidophora oedipus</i> Kützing 1844]	-	-		-		-		-	-	-
<i>paradoxa</i> (Lyngbye) C.A. Agardh 1836 [<i>Echinella paradoxa</i> Lyngbye 1819]	-	-	-	-	-	-		-	-	-
sp.	+	-	-	-		-	-	-	-	-
<i>Luticola</i> D.G. Mann in Round <i>et al.</i> 1990 <i>mutica</i> D.G. Mann in Round <i>et al.</i> 1990 [<i>Navicula mutica</i> Kützing 1844] [<i>Navicula rotaeana</i> (Rabenhorst) Grunow in Van Heurck 1880]	-	-	-	-	-	-		-	-	-
<i>nivalis</i> (Ehrenberg) D.G. Mann in Round <i>et al.</i> 1990	-	-	-	-	-	-		-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>duerrenbergiana</i> Hustedt in A. Schmidt 1934 (2)	-	-	-	-	-		-	-	-	-
<i>erifuga</i> Lange-Bertalot 1985	-	-	-	-	-		-	-	-	-
<i>flanatica</i> Grunow 1860	-	-	-	-	-		-	-	-	-
<i>graciloides</i> A. Mayer 1919	-	-	-	-	-	-	lf	-	-	-
<i>granii</i> (E. Jørgensen) Gran 1908 (2)	c	c	-	-	-	-	c	-	-	-
[<i>Stauroneis granii</i> E. Jørgensen 1905]										
<i>gregaria</i> Donkin 1861	-	-		-	-			-	-	-
[<i>Navicula gothlandica</i> auct.]										
[non <i>Navicula gottlandica</i> Grunow in Van Heurck 1880]										
<i>hustedtii</i> Krasske 1923	-	-	-	-	-	-	lf	-	-	-
<i>jentzschii</i> Grunow 1882	-	-	-	-	-	-	lf	-	-	-
<i>kotschyi</i> Grunow 1860	-	-	-	-	-	-	lf	-	-	-
[<i>Navicula grimmei</i> Krasske 1925]										
<i>krasskei</i> Hustedt 1930	-	-	-	-	-	-	lf	-	-	-
<i>lanceolata</i> (C.A. Agardh) Ehrenberg 1838		-		-	-			-	-	-
[non <i>Navicula lanceolata</i> sensu Kützing]										
[nec <i>Navicula lanceolata</i> sensu Hustedt]										
[<i>Frustulia lanceolata</i> C.A. Agardh 1827]										
[<i>Navicula avenacea</i> (Brébisson & Godey) Brébisson ex Grunow 1878]										
[<i>Navicula viridula</i> v. <i>avenacea</i> (Brébisson & Godey) Van Heurck 1885]										
<i>lapidosa</i> Krasske 1929	-	-	-	-	-	-	lf	-	-	-
<i>laterostrata</i> Hustedt 1925	-	-	-	-	-	-		-	-	-
<i>lesmonensis</i> Hustedt 1957	-	-	l(f)	-	-	-	-	-	-	-
<i>lucidula</i> Grunow in Van Heurck 1880 (2, 4)	-	-	-	-	-	-	lf	-	-	-
<i>menisculus</i> Schumann 1867	-	-	-	-	-			-	-	-
<i>meniscus</i> Schumann 1867	-	-		-	-		-	-	-	-
<i>microcephala</i> Grunow in Van Heurck 1880 (2, 4)	-	-	-	-	-	-	lf	-	-	-
<i>minima</i> Grunow in Van Heurck 1880	-	-	-	-	-	-	lf	-	-	-
<i>minuscula</i> Grunow in Van Heurck 1880										
v. <i>minuscula</i> -	-	-	-	-	-	lf	-	-	-	-
v. <i>muralis</i> (Grunow) Lange-Bertalot 1981	-	-	-	-	-	-	lf	-	-	-
[<i>Navicula muralis</i> Grunow in Van Heurck 1880]										
<i>oblonga</i> (Kützing) Kützing 1844	-	-		-	-	-	-	-	-	-
[<i>Frustulia oblonga</i> Kützing 1833]										
<i>palpebralis</i> Brébisson ex W. Smith 1853	-	-	-	?	-	-	-	-	-	-
<i>pelagica</i> P.T. Cleve 1896 (2)	-	-	-	-	-	-	c	-	c	c
<i>pelliculosa</i> (Brébisson ex Kützing) Hilse in Rabenhorst 1862 (2)	-	-	-	-	-	-	lf	-	-	-
[(?) <i>Frustulia pelliculosa</i> Brébisson ex Kützing 1849] (76)										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>vanhoeffenii</i> Gran 1897 (2)	c	—	c	c	c	c	c	—	c	c
<i>vaucheriae</i> Petersen 1915 (4)	—	—	—	—	—	—	lf	—	—	—
<i>veneta</i> Kützing 1844	—	—	—	—	—	—		—	—	—
[<i>Navicula cryptocephala</i> v. <i>veneta</i> (Kützing) Rabenhorst 1864]										
<i>ventralis</i> Krasske 1923	—	—	—	—	—	—	lf	—	—	—
<i>viridula</i> (Kützing) Ehrenberg 1838										
[<i>Frustulia viridula</i> Kützing 1833]										
v. <i>viridula</i>	—	—		—	—			—	—	—
v. <i>rostellata</i> (Kützing) P.T. Cleve 1895	—	—	—	—	—	—		—	—	—
[<i>Navicula rostellata</i> Kützing 1844]										
[<i>Navicula rhynchocephala</i> v. <i>rostellata</i> (Kützing) P.T. Cleve & Grunow 1880]										
<i>vitabunda</i> Hustedt 1930	—	—	—	—	—	—	lf	—	—	—
[<i>Navicula verecunda</i> Hustedt 1930]										
<i>vulpina</i> Kützing 1844	—	—	—	—	lf	—	lf	—	—	—
sp.	—	—	—	—	—	—	—	—	+	—
<i>Neidium</i> Pfitzer 1871										
<i>affine</i> (Ehrenberg) Pfitzer 1871	—	—	—	—	—	—	—	—	—	+
[<i>Navicula affinis</i> Ehrenberg 1843]										
[? <i>Neidium affine</i> v. <i>capitata</i> Mölder 1937] (2)	—	—	—	—	—	—	lf	—	—	—
<i>binodis</i> (Ehrenberg) Hustedt 1945	—	—	?	—	—	—	—	—	—	—
[<i>Navicula binodis</i> Ehrenberg 1840]										
[<i>Neidium dubium</i> v. <i>constricta</i> Hustedt 1922]										
[<i>Neidium dubium</i> f. <i>constricta</i> (Hustedt) Hustedt 1930]										
<i>dubium</i> (Ehrenberg) P.T. Cleve 1894	—	—	—	—	—	lf	lf	—	—	—
[<i>Navicula dubia</i> Ehrenberg 1843]										
<i>iridis</i> (Ehrenberg) P.T. Cleve 1894	—	—	—	—	—	—	lf	—	—	—
[<i>Navicula iridis</i> Ehrenberg 1843]										
[<i>Navicula amphigomphus</i> Ehrenberg 1843]										
[<i>Neidium iridis</i> v. <i>amphigomphus</i> (Ehrenberg) A. Mayer 1917]										
<i>productum</i> (W. Smith) P.T. Cleve 1894	—	—	—	—	—	—	lf	—	—	—
[<i>Navicula producta</i> W. Smith 1853]										
<i>Neosynedra</i> Williams & Round 1986										
<i>provincialis</i> (Grunow) Williams & Round 1986	+	—	—	—	—	—	—	—	—	—
[<i>Synedra provincialis</i> Grunow 1877]										
<i>Nitzschia</i> Hassall 1845 <i>nom. cons.</i>										
<i>acicularis</i> (Kützing) W. Smith 1853										
[<i>Synedra acicularis</i> Kützing 1844]										
v. <i>acicularis</i>	(l)f	(l)f	(l)f	(l)f	(l)f	(l)f	(l)f	—	(l)f	(l)f
v. <i>closterioides</i> Grunow 1862 (2)	—	—	—	—	—	—	lf	—	—	—

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>acula</i> Hantzsch ex Cleve & Grunow 1880 ("acuta" auct.)	-	-	-	-	-	-	If	-	-	-
<i>amphibia</i> Grunow 1862	-	-	-	-	If	If	If	-	-	-
<i>angularis</i> W. Smith 1853		-	-	-	-	-	-	-	-	-
<i>capitellata</i> Hustedt in A. Schmidt 1922	-	-	-	-	-	?		-	-	-
<i>clausii</i> Hantzsch 1860	-	-	-	-	-	-		-	-	-
<i>communis</i> Rabenhorst 1860	-	-	-	-	-	-		-	-	-
<i>commutata</i> Grunow in Cleve & Grunow 1880		-	-	-	-			-	-	-
<i>dissipata</i> (Kützing) Grunow 1862	-	-	-	-	-			-	-	-
[<i>Synedra dissipata</i> Kützing 1844]										
<i>dubia</i> W. Smith 1853			-	-	-			-	-	-
<i>elegantula</i> Grunow in Van Heurck 1881		-	-	-	-	-	-	-	-	-
[<i>Nitzschia microcephala</i> v. <i>elegantula</i> Van Heurck 1885]										
<i>fasciculata</i> (Grunow) Grunow in Van Heurck 1881	-	-	-	-	-	?	-	-	-	-
[<i>Nitzschia sigma</i> v. <i>fasciculata</i> Grunow 1878]										
<i>filiformis</i> (W. Smith) Van Heurck 1896	-	-		-	-	-		-		
[<i>Homoeocladia filiformis</i> W. Smith 1856]										
<i>fonticola</i> Grunow in Van Heurck 1881	-	-	-	-	-	-	If	-	-	-
[<i>Nitzschia kuetzingiana</i> v. <i>romana</i> Grunow in Cleve & Grunow 1880]										
[<i>Nitzschia romana</i> (Grunow) Grunow in Van Heurck 1881]										
<i>frigida</i> Grunow in Cleve & Grunow 1880	c	-	c	-	c	c	c	-	c	c
[<i>Nitzschia polaris</i> auct.] (78)										
<i>frustulum</i> (Kützing) Grunow in Cleve & Grunow 1880	-	-		-	-			-		-
[<i>Synedra frustulum</i> Kützing 1844]										
[<i>Nitzschia frustulum</i> v. <i>subsalina</i> Hustedt 1925]										
<i>gandersheimiensis</i> Krasske 1927	-	-	-	-	-	-		-	-	-
<i>gracilis</i> Hantzsch 1860	-	I(f)	-	-	-	I(f)	I(f)	-	-	-
<i>hantzschiana</i> Rabenhorst 1860	-	-	-	-	-	-	If	-	-	-
[<i>Nitzschia perpusilla</i> Rabenhorst 1861]										
[non <i>Nitzschia perpusilla</i> Grunow 1862]										
[<i>Nitzschia frustulum</i> v. <i>perpusilla</i> (Rabenhorst) Grunow in Van Heurck 1881]										
<i>homburgiensis</i> Lange-Bertalot 1978 (4)	-	-	-	-	-	-	If	-	-	-
[<i>Nitzschia thermalis</i> v. <i>minor</i> Hilse 1863]										
<i>hybrida</i> Grunow in Cleve & Grunow 1880			-	-	-	-		-	-	-
<i>inconspicua</i> Grunow 1862	-	-		-	-			-	-	-
[<i>Nitzschia perpusilla</i> auct.]										
<i>intermedia</i> Hantzsch ex P.T. Cleve & Grunow 1880	-	-		-	-	-	-	-	-	
[<i>Nitzschia capitellata</i> Hustedt p.p.]										
<i>lacunarum</i> Hustedt 1930	-	-	-	-	-	-		-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>linearis</i> (C.A. Agardh) W. Smith 1853 [<i>Frustulia linearis</i> C.A. Agardh <i>vide</i> W. Smith 1853]	If	If	–	–	–	?	If	–	–	–
<i>longissima</i> (Brébisson in Kützing) Ralfs in Pritchard 1861 (2, 4) [<i>Ceratoneis longissima</i> Brébisson in Kützing 1849]	+	+	+	+	+	+	+	–	+	+
<i>lorenziana</i> Grunow in Cleve & Grunow 1880 [<i>Nitzschia lorenziana</i> v. <i>subtilis</i> Grunow in Cleve & Grunow 1880]	–	–	+	–	–	–		–	–	–
<i>microcephala</i> Grunow in Cleve & Möller 1878	–	–	–	–	–	I(f)	I(f)	–	–	–
<i>nana</i> Grunow in Van Heurck 1881 [<i>Nitzschia obtusa</i> v. <i>nana</i> (Grunow) Van Heurck 1885] [<i>Nitzschia ignorata</i> Krasske 1929]	–	–	–	–	–	–		–	–	–
<i>obtusa</i> W. Smith 1853	–	–	–	–	–	–		–	–	–
<i>ovalis</i> Arnott ex Grunow in Cleve & Grunow 1880	–	–	–	–	–	–		–	–	–
<i>palea</i> (Kützing) W. Smith 1856 [<i>Synedra palea</i> Kützing 1844]										
v. <i>palea</i>	–	+	+	–				–		–
v. <i>debilis</i> (Kützing) Grunow in Cleve & Grunow 1880 [<i>Synedra debilis</i> Kützing 1844]	–	–	–	–	–	–		–	–	–
<i>paleacea</i> (Grunow) Grunow in Van Heurck 1881 (79) [<i>Nitzschia subtilis</i> v. <i>paleacea</i> Grunow in Cleve & Grunow 1880] [<i>Nitzschia holsatica</i> auct.] [<i>Nitzschia kuetzingiana</i> sensu Hustedt 1930] [non <i>Nitzschia kuetzingiana</i> Hilse 1863] [<i>Synedra actinastroides</i> auct.] [<i>Nitzschia actinastroides</i> auct.]	+	w	w	w	w	w	w(l)	–	+	(l)
<i>perminuta</i> (Grunow) M. Peragallo 1903 [<i>Nitzschia palea</i> v. <i>perminuta</i> Grunow in Cleve & Grunow 1880]	–	–	–	–	–		–	–	–	–
<i>pusiila</i> (Kützing) Grunow 1862 <i>emend.</i> Lange-Bertalot 1976 [<i>Synedra pusiila</i> Kützing 1844] [<i>Nitzschia kuetzingiana</i> Hilse 1863] [non <i>Nitzschia kuetzingiana</i> sensu Hustedt 1930]	–	–		–	–	–	If	–	–	–
<i>recta</i> Hantzsch in Rabenhorst 1861	–	–	If	–	–	–	If	–	–	–
<i>scalaris</i> (Ehrenberg) W. Smith 1853 [<i>Synedra scalaris</i> Ehrenberg 1843]	–	–	–	–	–	–		–	–	–
<i>scaipelliformis</i> (Grunow) Grunow in Cleve & Grunow 1880 [<i>Nitzschia obtusa</i> v. <i>scaipelliformis</i> Grunow in Cleve & Möller]	–	–	–	–	–	–		–	–	–
<i>sigma</i> (Kützing) W. Smith 1853 [<i>Synedra sigma</i> Kützing 1844]				–	–			–	–	
<i>sigmoidea</i> (Nitzsch) W. Smith 1853 [<i>Bacillaria sigmoidea</i> Nitzsch 1817] [<i>Navicula sigmoidea</i> (Nitzsch) Ehrenberg 1832]	If	If	If	–	–	If	If	–	If	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>humerosa</i> (Brébisson ex W. Smith) Stickle & D.G. Mann <i>in</i> Round <i>et al.</i> 1990 [<i>Navicula humerosa</i> Brébisson ex W. Smith 1856]	–	–		?	–			–	–	
<i>latissima</i> (Gregory) Stickle & D.G. Mann <i>in</i> Round <i>et al.</i> 1990 [<i>Navicula latissima</i> Gregory 1856]		–	–	–	–		–	–	–	–
<i>marina</i> (Ralfs <i>in</i> Pritchard) D.G. Mann <i>in</i> Round <i>et al.</i> 1990 [<i>Navicula marina</i> Ralfs <i>in</i> Pritchard 1861]	–	–	–	–	–			–	–	–
<i>Phaeodactylum</i> Bohlin 1897										
<i>tricornutum</i> Bohlin 1897 (22)	–	–	–	–	–	–	+	–	–	–
sp.	+	–	–	–	–	–	–	–	–	–
<i>Pinnularia</i> Ehrenberg 1843 <i>nom. cons.</i>										
<i>appendiculata</i> (C.A. Agardh) P.T. Cleve 1895 [<i>Frustulia appendiculata</i> C.A. Agardh 1827]	–	–	–	–	–	–	lf	–	–	–
<i>borealis</i> Ehrenberg 1843	–	–	–	–	–	–	lf	–	–	–
<i>brauniana</i> (Grunow) P.T. Cleve 1895 (" <i>braunii</i> " auct.)										
v. <i>brauniana</i>	–	–	–	–	–	–	lf	–	–	–
v. <i>amphicephala</i> (A. Mayer) Hustedt 1930 [<i>Pinnularia amphicephala</i> A. Mayer 1916]	–	–	–	–	–	–	lf	–	–	–
<i>dactylus</i> Ehrenberg 1843	–	–	–	–	–	–	lf	–	–	–
<i>elegans</i> (W. Smith) Krammer 1992 [<i>Navicula elegans</i> W. Smith 1853] [<i>Pinnunavis elegans</i> (W. Smith) Okuno 1975]	–	–	–	–	–	–		–	–	
<i>gibba</i> Ehrenberg 1843 [<i>Pinnularia stauroptera</i> (Grunow) Rabenhorst 1864]	–	–	–	–	–	–	lf	–	–	lf
<i>globiceps</i> Gregory 1856	–	–	–	–	–	–	lf	–	–	–
<i>hemiptera</i> (Kützing) Rabenhorst 1853 [<i>Navicula hemiptera</i> Kützing 1844]	–	–	–	–	–	–	lf	–	–	–
<i>major</i> (Kützing) Rabenhorst 1853 (" <i>maior</i> ") [<i>Frustulia major</i> Kützing 1833] [<i>Navicula major</i> (Kützing) Kützing]	–	–	–	–	–	–	lf	–	–	lf
<i>mesolepta</i> (Ehrenberg) W. Smith 1853 [<i>Navicula mesolepta</i> Ehrenberg 1843] [<i>Pinnularia interrupta</i> W. Smith 1853]	–	–	–	–	–	lf	lf	–	–	–
<i>microstauron</i> (Ehrenberg) P.T. Cleve 1891 [<i>Stauroptera microstauron</i> Ehrenberg 1843]	–	–	–	–	–	lf	lf	–	–	–
<i>nodosa</i> (Ehrenberg) W. Smith 1856 [<i>Navicula nodosa</i> Ehrenberg 1838]	–	–	–	–	–	–	lf	–	–	–
<i>polaris</i> Heiden 1905 [" <i>Pinnularia quadratarea</i> v. <i>stuxbergii</i> Cleve"] (80)	–	–	–	–	c	–	c	–	c	c
<i>subcapitata</i> Gregory 1856	–	–	–	–	–	–	lf	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
angulatum (Quekett) W. Smith 1852 [<i>Navicula angulata</i> Quekett 1848]				—	—	—		—	—	—
elongatum W. Smith 1852					—			—	—	
salinarum Grunow 1880	—	—	—	—	—	—		—	—	
strigosum W. Smith 1852		—	—	—	—	—	—	—	—	—
sp.	+	—	—	—	—	—	—	—	—	—
Proschkinia Karayeva 1978										
bulnheimii (Grunow) Karayeva 1978 [<i>Navicula bulnheimii</i> Grunow in Van Heurck 1880] [<i>Libellus bulnheimii</i> (Grunow) Cleve 1894] [<i>Navicula longirostris</i> Hustedt 1930] [<i>Proschkinia? longirostris</i> (Hustedt) D.G. Mann in Round <i>et al.</i> 1990]	—	—	—	—	—	—	+	—	—	—
Pseudo-nitzschia H. Peragallo in H. & M. Peragallo 1900										
delicatissima (P.T. Cleve) Heiden in Heiden & Kolbe 1928 [<i>Nitzschia delicatissima</i> P.T. Cleve 1897] [<i>Nitzschia actydophila</i> Hasle 1965]	+	+	+	—	—	—	—	—	—	—
fraudentula (P.T. Cleve) Hasle 1993 [<i>Nitzschia fraudentula</i> P.T. Cleve 1897]	?	—	—	—	—	—	—	—	—	—
multiseries (Hasle) Hasle 1995 [<i>Nitzschia pungens</i> f. <i>multiseries</i> Hasle 1974] [<i>Pseudo-nitzschia pungens</i> f. <i>multiseries</i> (Hasle) Hasle 1993]	c	—	—	—	—	—	—	—	—	—
pseudodelicatissima (Hasle) Hasle 1993 [<i>Nitzschia pseudodelicatissima</i> Hasle 1976] [<i>Nitzschia delicatula</i> Hasle 1965]	w	w	—	—	—	—	—	—	—	—
pungens (Grunow ex P.T. Cleve) Hasle 1993 [<i>Nitzschia pungens</i> Grunow ex P.T. Cleve 1897]	cw	+	—	—	—	—	—	—	—	—
seriata (P.T. Cleve) H. Peragallo in H. & M. Peragallo 1900 [<i>Nitzschia seriata</i> P.T. Cleve 1883]										
f. seriata	c	c	?	—	—	—	—	—	—	—
f. obtusa (Hasle) Hasle 1993 [<i>Nitzschia seriata</i> f. <i>obtusa</i> Hasle 1974]	+	—	—	—	—	—	—	—	—	—
Pseudostaurosira Williams & Round 1988 (1987)										
brevistriata (Grunow in Van Heurck 1885) Williams & Round 1988 (1987) [<i>Fragilaria brevistriata</i> Grunow in Van Heurck 1885]										
v. brevistriata	—	+	+	—	—	+	+	—	—	—
[<i>Fragilaria brevistriata</i>] v. inflata (Pantocsek) Hustedt 1930 (2, 81) [<i>Fragilaria inflata</i> Pantocsek 1902]	—	—	+	—	—	—	—	—	—	—
[<i>Fragilaria brevistriata</i>] v. trigibba (Pantocsek) Hustedt 1930 (2, 81) [<i>Fragilaria trigibba</i> Pantocsek 1902]	—	—	+	—	—	—	—	—	—	—

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Sellaphora Mereschkowsky 1902										
<i>bacillum</i> (Ehrenberg) D.G. Mann 1989	—	—	If	—	—	—	If	—	—	—
[<i>Navicula bacillum</i> Ehrenberg 1843]										
<i>laevissima</i> (Kützing) D.G. Mann 1989	—	—	—	—	—	—	If	—	—	—
[<i>Navicula laevissima</i> Kützing 1844]										
[<i>Navicula baciliiformis</i> Grunow in Cleve & Grunow 1880]										
<i>pupula</i> (Kützing) Mereschkowsky 1902	—	—	I	—	—	I	I	—	—	—
[<i>Navicula pupula</i> Kützing 1844]										
[? <i>Navicula pupula</i> v. <i>rectangularis</i> (Gregory) Grunow in Cleve & Grunow 1880]	—	—	—	—	—	—	If	—	—	—
[? <i>Navicula pupula</i> v. <i>elliptica</i> Hustedt 1911]	—	—	—	—	—	—	If	—	—	—
[? <i>Navicula pupula</i> v. <i>rostrata</i> Hustedt 1911]	—	—	—	—	—	—	If	—	—	—
[? <i>Navicula pupula</i> v. <i>capitata</i> Skvortsow & Meyer 1928]	—	—	—	—	—	—	If	—	—	—
[? <i>Navicula pupula</i> v. <i>capitata</i> Hustedt 1930]										
[? <i>Navicula pupula</i> v. <i>mutata</i> (Krasske) Hustedt 1930]	—	—	—	—	—	—	If	—	—	—
<i>seminulum</i> (Grunow) D.G. Mann 1989	—	—	—	—	—	—	If	—	—	—
[<i>Navicula seminulum</i> Grunow 1860]										
Stauroneis Ehrenberg 1843										
<i>anceps</i> Ehrenberg 1843	—	—	?	—	—	If	If	—	—	—
[<i>Stauroneis anceps</i> f. <i>gracilis</i> auct.]										
[<i>Stauroneis anceps</i> v. <i>gracilis</i> (Ehrenberg) Brun 1880]										
<i>halmei</i> Mölder 1939	—	—	—	—	—	—	I	—	—	—
<i>legumen</i> (Ehrenberg) Kützing 1844	—	—	—	—	—	—	I	—	—	—
[<i>Stauoptera legumen</i> Ehrenberg 1843 (1841)]										
<i>phoenicenteron</i> (Nitzsch) Ehrenberg 1843	—	—	If	—	—	If	If	—	—	I
[<i>Bacillaria phoenicenteron</i> Nitzsch 1817 p.p.]										
[<i>Stauroneis phoenicenteron</i> v. <i>brevis</i> Dippel 1904]										
[<i>Stauroneis phoenicenteron</i> f. <i>brevis</i> (Dippel) Hustedt 1959]										
<i>prominula</i> (Grunow) Hustedt 1959	—	—	If	—	—	—	I	—	—	—
[<i>Pleurostauron prominulum</i> Grunow in Cleve & Möller 1881]										
[<i>Stauroneis parvula</i> v. <i>prominula</i> (Grunow) Grunow in Cleve 1894]										
[<i>Stauroneis biundulata</i> Cleve-Euler 1934]										
[<i>Stauroneis parvula</i> v. <i>biundulata</i> (Cleve-Euler) Cleve-Euler 1939]										
[<i>Stauroneis legumen</i> f. <i>biundulata</i> (Cleve-Euler) Cleve-Euler 1953]										
<i>smithii</i> Grunow 1860	—	—	—	—	—	If	If	—	—	—
<i>spicula</i> Hickie 1874	(I)	—	—	—	—	(I)	(I)	—	(I)	(I)
[<i>Navicula spicula</i> (Hickie) P.T. Cleve 1894]										
<i>thermicola</i> (Petersen) Lund 1946	—	—	—	—	—	?	—	—	—	—
[<i>Navicula thermicola</i> Petersen 1928]										
sp.	—	—	—	—	—	—	—	—	+	—

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>delicatissima</i> (Lewis) Brébisson ex Van Heurck 1896	—	—	—	—	—	—	f	—	—	—
[<i>Surirella delicatissima</i> Lewis 1864]										
sp.	—	—	—	—	—	—	—	—	+	—
<i>Surirella</i> Turpin 1828 ("Suriraya")										
<i>angusta</i> Kützing 1844 (" <i>angustata</i> " auct.)	—	—		—	—	lf	lf	—	—	—
<i>bifrons</i> Ehrenberg 1843	—	—	f	—	—	—	f	—	—	—
[<i>Surirella biseriata</i> v. <i>bifrons</i> (Ehrenberg) Hustedt 1911]										
[<i>Surirella biseriata</i> v. <i>rostrata</i> Schulz 1926]										
<i>biseriata</i> Brébisson in Brébisson & Godey 1836	—	—	+	—	—	—	lf	—	—	+
<i>brebissonii</i> Krammer & Lange-Bertalot 1987	—			—	—			—	—	
[<i>Surirella ovata</i> v. <i>marina</i> Brébisson in Rabenhorst 1867]										
[<i>Surirella ovata</i> Kützing sensu Hustedt 1930]										
[<i>Surirella ovalis</i> v. <i>ovata</i> (Kützing) Van Heurck 1886]										
<i>brightwellii</i> W. Smith 1853										
[<i>Surirella ovalis</i> v. <i>brightwellii</i> (W. Smith) H. & M. Peragallo 1899]										
v. <i>baltica</i> (Schumann) Krammer 1977	—	—	—	—	—		—	—	—	—
[<i>Surirella baltica</i> Schumann 1867]										
<i>capronii</i> Brébisson in Kitton 1869	lf	—	lf	—	—	—	lf	—	—	—
<i>crumena</i> Brébisson ex Kützing 1849	—	—		—	—			—	—	—
[<i>Surirella ovata</i> v. <i>crumena</i> (Brébisson ex Kützing) Hustedt 1930]										
<i>didyma</i> Kützing 1844	—	—	—	—	—	—		—	—	—
<i>elegans</i> Ehrenberg 1843	—	—	lf	—	—	—	lf	—	—	—
<i>gracilis</i> Grunow 1862	—	—	—	—	—	—	lf	—	—	—
[<i>Surirella moelleriana</i> sensu Hustedt 1930]										
[non <i>Surirella moelleriana</i> Grunow ex Möller 1868]										
<i>lapponica</i> A. Cleve 1895	—	—	—	—	—	—	lf	—	—	—
[<i>Surirella gracilis</i> sensu Hustedt 1930]										
[non <i>Surirella gracilis</i> Grunow 1862]										
<i>linearis</i> W. Smith 1853	—	—	lf	—	—	—	lf	—	—	—
<i>minuta</i> Brébisson in Kützing 1849	lf	lf	lf	—	—	lf	lf	—	—	—
[? <i>Surirella ovata</i> Kützing 1844 p.p.]										
[<i>Surirella salina</i> W. Smith 1851]										
[<i>Surirella pinnata</i> W. Smith 1853]										
[<i>Surirella ovata</i> v. <i>salina</i> (W. Smith) Rabenhorst 1864]										
[<i>Surirella ovata</i> v. <i>pinnata</i> (W. Smith) Brun 1880]										
[<i>Surirella ovalis</i> v. <i>pinnata</i> (W. Smith) Van Heurck 1881]										
[<i>Surirella ovalis</i> v. <i>salina</i> (W. Smith) Van Heurck 1896]										
<i>ovalis</i> Brébisson 1838			—	—	—			—		
<i>robusta</i> Ehrenberg 1841	—	—	lf	—	—	—	lf	—	—	lf

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>spiralis</i> Kützing 1844	–	–	lf	–	–	–	–	–	–	–
<i>splendida</i> (Ehrenberg) Kützing 1844	–	–	–	–	–	–	f	–	–	–
[<i>Navicula</i> (?) <i>splendida</i> Ehrenberg 1832]										
[<i>Surirella robusta</i> v. <i>splendida</i> (Ehrenberg) Van Heurck 1885]										
<i>striatula</i> Turpin 1828	+	+	–	–	–	+	+	–	+	+
<i>tenera</i> Gregory 1856	–	–	–	–	–	–	f	–	–	–
[<i>Surirella tenera</i> v. <i>nervosa</i> auct.]										
<i>turgida</i> W. Smith 1853	–	–	–	–	–	–	f	–	–	–
sp.	+	–	–	–	–	–	+	–	+	+
<i>Synedra</i> Ehrenberg 1830										
<i>acus</i> Kützing 1844										
[<i>Fragilaria ulna</i> v. <i>acus</i> (Kützing) Lange-Bertalot 1980]										
v. <i>acus</i>	–	–	lf	–	–	lf	lf	lf	lf	l
v. <i>angustissima</i> (Grunow in Van Heurck) Van Heurck 1885	–	–	f	–	f	–	f	–	f	f
[<i>Synedra delicatissima</i> v. <i>angustissima</i> Grunow in Van Heurck 1881]										
v. <i>radians</i> (Kützing) Hustedt 1930	f	f	–	f	–	–	f	–	f	f
[<i>Synedra radians</i> Kützing 1844]										
[<i>Synedra delicatissima</i> W. Smith 1853]										
<i>amphicephala</i> Kützing 1844	–	–	–	–	–	–	lf	–	–	–
[<i>Fragilaria capucina</i> v. <i>amphicephala</i> (Kützing) Lange-Bertalot 1991]										
<i>berolinensis</i> Lemmermann 1900 (2, 86)	–	–	f	f	–	–	–	–	–	–
[<i>Fragilaria berolinensis</i> (Lemmermann) Lange-Bertalot 1989]										
<i>biceps</i> Kützing 1844	f	–	?	–	–	–	–	–	?	–
[<i>Synedra longissima</i> W. Smith 1853]										
[<i>Synedra ulna</i> v. <i>biceps</i> (Kützing) Kirchner in Cohn 1878 (p.p.?)]										
[<i>Synedra ulna</i> v. <i>longissima</i> (W. Smith) Brun 1880]										
[<i>Synedra ulna</i> f. <i>longissima</i> (W. Smith) Abshagen 1908]										
[<i>Fragilaria biceps</i> (Kützing) Lange-Bertalot 1991]										
<i>capitata</i> Ehrenberg 1836	–	–	lf	–	–	–	–	–	–	–
[<i>Frustulia dilatata</i> Brebisson & Godey 1838] acc. Hustedt 1932										
[<i>Synedra dilatata</i> Brébisson 1838] acc. Lange-Bertalot										
[<i>Fragilaria capitata</i> (Ehrenberg) Lange-Bertalot 1980]										
[non <i>Fragilaria capitata</i> Ehrenberg 1853, 1854]										
[<i>Fragilaria dilatata</i> (Brébisson) Lange-Bertalot 1986]										
<i>nana</i> Meister 1912	–	–	f	–	–	–	f	–	–	+
[<i>Fragilaria nanana</i> Lange-Bertalot 1991]										
<i>parasitica</i> (W. Smith) Hustedt 1930										
[<i>Odontidium parasiticum</i> W. Smith 1856]										
[<i>Fragilaria parasitica</i> (W. Smith) Grunow in Van Heurck 1881]										
v. <i>parasitica</i>	–	–	(l)f	–	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
v. subconstricta (Grunow) Hustedt 1930	–	–	–	–	–	–	(l)f	–	–	–
[<i>Fragilaria parasitica</i> v. <i>subconstricta</i> Grunow in Van Heurck 1881]										
toxoneides Castracane 1880 (2)	–	–	–	–	–	–	ls	–	–	–
[<i>Fragilaria toxoneides</i> (Castracane) Lange-Bertalot 1980]										
ulna (Nitzsch) Ehrenberg 1832										
[<i>Bacillaria ulna</i> Nitzsch 1827]										
[<i>Fragilaria ulna</i> (Nitzsch) Lange-Bertalot 1980]										
[<i>Synedra ulna</i> v. <i>splendens</i> (Kützling) Van Heurck 1885]										
v. ulna	lf	lf	lf	lf	–	lf	lf	–	lf	lf
v. amphirhynchus (Ehrenberg) Grunow 1862	–	–	–	–	–	–	lf	–	–	–
[<i>Synedra amphirhynchus</i> Ehrenberg 1843]										
v. danica (Kützling) Van Heurck 1885	–	–	lf	–	–	–	–	–	–	–
[<i>Synedra danica</i> Kützling 1844]										
utermoehlii Hustedt 1932 (86)	–	–	f	–	–	–	f	–	–	–
sp.	+	–	–	–	–	–	+	–	–	–
Tabellaria Ehrenberg 1840 (1839)										
binalis (Ehrenberg) Grunow in Van Heurck 1881	–	–	–	–	–	–	f	–	–	–
[<i>Fragilaria? binalis</i> Ehrenberg 1854]										
fenestrata (Lyngbye) Kützling 1844 (94)	–	–	(l)f	–	(l)f	(l)f	(l)f	(l)f	(l)f	(l)f
[<i>Diatoma fenestratum</i> Lyngbye 1819]										
flocculosa (Roth) Kützling 1844 (94)	(l)f	–	(l)f	(l)f	–	(l)f	(l)f	–	(l)f	(l)f
[<i>Conferva flocculosa</i> Roth 1797]										
[<i>Tabellaria fenestrata</i> v. <i>asterionelloides</i> Grunow in Van Heurck 1881]										
[<i>Tabellaria fenestrata</i> v. <i>intermedia</i> Grunow in Van Heurck 1881]										
[<i>Tabellaria fenestrata</i> v. <i>geniculata</i> A. Cleve 1899]										
Tabularia (Kützling 1844) Williams & Round 1986										
fasciculata (C.A. Agardh) Williams & Round 1986	–	–		–				–		
[<i>Diatoma fasciculatum</i> C.A. Agardh 1812]										
[<i>Synedra fasciculata</i> (C.A. Agardh) Kützling 1844]										
[<i>Synedra affinis</i> v. <i>fasciculata</i> (C.A. Agardh) Grunow in Van Heurck 1881]										
[<i>Synedra tabulata</i> v. <i>fasciculata</i> (Kützling) Hustedt 1932]										
[<i>Fragilaria fasciculata</i> (C.A. Agardh) Lange-Bertalot 1980 p.p.]										
tabulata (C.A. Agardh) Snoeijs 1992										
[<i>Diatoma tabulatum</i> C.A. Agardh 1832]										
[<i>Synedra tabulata</i> (C.A. Agardh) Kützling 1844]										
[<i>Synedra affinis</i> v. <i>tabulata</i> (C.A. Agardh) Grunow in Van Heurck 1881]										
[<i>Synedra tabulata</i> v. <i>obtusa</i> (Pantoscek) Hustedt 1932]										
[<i>Fragilaria fasciculata</i> (C.A. Agardh) Lange-Bertalot 1980 p.p.]										
[<i>Catacombas obtusa</i> (Pantoscek) Snoeijs in Snoeijs, Hällfors & Leskinen 1991]										
[<i>Synedra affinis</i> auct.]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
debilis Arnott in O'Meara 1873	–	–	–	–	–	–		–	–	–
[<i>Nitzschia tryblionella</i> v. <i>debilis</i> (Arnott) A. Mayer 1913]										
gracilis W. Smith 1853	–	–		–	–	–		–	–	
[<i>Nitzschia tryblionella</i> Hantzsch in Rabenhorst 1860]										
hungarica (Grunow) D.G. Mann in Round <i>et al.</i> 1990	–	–						–	–	–
[<i>Nitzschia hungarica</i> Grunow 1862]										
levidensis W. Smith 1856	–	–	–	–	–			–	–	–
[<i>Nitzschia levidensis</i> (W. Smith) Grunow in Van Heurck 1881]										
[<i>Nitzschia tryblionella</i> v. <i>levidensis</i> (W. Smith) Grunow in Cleve & Grunow 1880]										
littoralis (Grunow in Cleve & Grunow) D.G. Mann in Round <i>et al.</i> 1990			–	–	–		–	–	–	–
[<i>Nitzschia littoralis</i> Grunow in Cleve & Grunow 1880]										
[<i>Nitzschia tryblionella</i> v. <i>littoralis</i> (Grunow in Cleve & Grunow) Grunow in Van Heurck 1881]										
marginulata (Grunow in Cleve & Möller) D.G. Mann in Round <i>et al.</i> 1990	–	–	–	–	–	–	–	–	–	
[<i>Nitzschia marginulata</i> Grunow in Cleve & Möller]										
navicularis (Brébisson ex Kützing) Ralfs in Pritchard 1861	–		–	–	–	–	–	–	–	–
[<i>Surirella navicularis</i> Brébisson ex Kützing 1849]										
[<i>Nitzschia navicularis</i> (Brébisson ex Kützing) Grunow in Cleve & Grunow 1880]										
plana (W. Smith) Pelletan 1889	–	–	–	–	–	–	–	–	–	
[<i>Nitzschia plana</i> W. Smith 1853]										
punctata W. Smith 1853				–	–			–	–	–
[<i>Nitzschia punctata</i> (W. Smith) Grunow 1878]										
[? <i>Nitzschia compressa</i> (J.W. Bailey) Boyer 1916]										
salinarum (Grunow in Cleve & Grunow) Pelletan 1889	–	–		–	–	–	–	–	–	–
[<i>Nitzschia tryblionella</i> v. <i>salinarum</i> Grunow in Cleve & Grunow 1880]										
victoriae Grunow 1862	–	–	–	–	–	–		–	–	–
[<i>Nitzschia tryblionella</i> v. <i>victoriae</i> (Grunow) Grunow in Cleve & Grunow 1880]										

Class Tribophyceae (Xanthophyceae, Heterokontae) – Yellow-green algae

Order RHIZOCHLORIDALES (CHLAMYDOMYXALES)

Rhizochloris Pascher 1931

nodulariae Bursa 1953

solitaria Bursa 1968

–	–	+	–	–	–	–	–	–	–	–
–	–	+	–	–	–	–	–	–	–	–

Order MISCHOCOCCALES (HETEROCOCCALES)

Goniochloris Geitler 1928**mutica** (A. Braun) Fott 1960[*Polyedrium muticum* A. Braun 1855][*Tetraëdron muticum* (A. Braun) Hansgirg 1888][*Pseudostaurastrum muticum* (A. Braun) Bourrelly 1951]**Ophiocytium** Nägeli 1849

sp.

Pseudogoniochloris Krienitz et al. 1993**tripus** (Pascher) Krienitz et al. 1993[*Goniochloris tripus* Pascher 1939][*Goniochloris fallax* Fott][*Tetraëdron trigonum* auct.][non *Tetraëdron trigonum* (Nägeli) Hansgirg]**Pseudostaurastrum** (Hansgirg 1888) R. Chodat 1921**enorme** (Ralfs) R. Chodat 1921[*Staurastrum enorme* Ralfs 1848][*Tetraëdron enorme* (Ralfs) Hansgirg 1888]**gracile** (Reinsch) R. Chodat 1921 (2)[*Tetraëdron trigonum* v. *gracile* Reinsch][*Tetraëdron gracile* (Reinsch) Hansgirg]**hastatum** (Reinsch) R. Chodat 1921[*Polyedrium tetraëdricum hastatum* Reinsch 1867][*Tetraëdron hastatum* (Reinsch) Hansgirg]**limneticum** (Borge) R. Chodat[*Tetraëdron limneticum* Borge 1900]**Tetraëdron planctonicum** G.M. Smith 1916 (88)**Tetraëdriella** Pascher 1930**jovetii** (Bourrelly) Bourrelly ex Krienitz & Heynig 1984[*Pseudostaurastrum jovetii* Bourrelly 1951]

Order TRIBONEMATALES

Tribonema Derbès & Solier 1856**affine** (G.S. West) G.S. West[*Conferva affinis* G.S. West]**viride** Pascher

sp.

KB AB SB CB NB GR GF AS BS BB

- - f - - - - - - f

- - - - - - + - - -

- - f - - - f - - f

- - f - - - - - - -

- - f - - - - - - -

- - f - - - - - - -

- - f - - - f - - -

- - - - - - f - - -

- - - - - - f - - -

- - - - - - lf - - -

- - - - - - lf - - -

- - - - - - lf - - lf

Class **Eustigmatophyceae**

Order EUSTIGMATALES (89)

Class **Raphidophyceae** (Chloromonadophyceae)

Order CHATTONELLALES (90)

Chattonella Biecheler 1936*subsalsa* Biecheler 1936

sp.

Fibrocapsa Toriumi & Takano 1973*japonica* Toriumi & Takano 1973*Heterosigma* Hada 1968*akashiwo* (Hada) Hada 1968 (?)*Olisthodiscus* N. Carter 1937*luteus* N. Carter 1937

Order RAPHIDOMONADALES

Gonyostomum Diesing 1866*semen* (Ehrenberg) Diesing 1866

sp.

Vacuolaria Cienkowski 1870

sp.

Division EUGLENOPHYTA

Class **Euglenophyceae** – Euglenoids

Order EUGLENALES

Astasia* Dujardin 1841 *nom. cons.*klebsii* Lemmermann 1910

*sp.

Colacium Ehrenberg 1838*arbuscula* Stein 1878[*Colacium vesiculosum* f. *arbuscula* (Stein) Huber-Pestalozzi 1955]*vesiculosum* Ehrenberg 1838

sp.

Euglena Ehrenberg 1838*acus* Ehrenberg 1830*allorgei* Deflandre*hemichromata* Skuja 1948*klebsii* (Lemmermann) Mainx 1927–1928[*Euglena intermedia* v. *klebsii* Lemmermann 1910]

+	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	f	–	–
–	–	–	–	–	–	–	f	–	–
–	–	–	–	–	–	–	f	–	–
–	–	+	–	–	–	–	–	–	–
–	–	–	–	–	–	–	+	–	–
–	–	–	–	–	–	–	f	–	–
–	f	f	–	–	–	–	f	–	f
–	+	+	+	+	–	–	+	–	+
f	f	f	–	–	f	f	–	–	f
–	–	–	–	–	–	–	f	–	–
–	–	f	–	–	–	–	–	–	–
–	–	f	f	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>deflandrei</i> (Roll) Deflandre 1930 [<i>Trachelomonas deflandrei</i> Roll 1928]	-	-	-	-	-	-	f	-	-	-
<i>Trachelomonas</i> Ehrenberg <i>emend.</i> Deflandre 1926										
<i>armata</i> (Ehrenberg) Stein 1878 [<i>Chaetotyphia armata</i> Ehrenberg 1838]	-	-	f	-	-	-	-	-	-	-
<i>hispida</i> (Perty) Stein 1878 <i>emend.</i> Deflandre [<i>Chonemonas hispida</i> Perty 1852]	-	-	f	-	-	-	f	-	f	f
<i>planctonica</i> Swirenko	-	-	-	-	-	-	f	-	-	-
<i>volvocina</i> Ehrenberg 1838	-	-	-	-	-	-	f	-	-	f
sp.	-	f	-	f	-	-	f	-	f	f
Order SPHENOMONADALES										
* <i>Anisonema</i> Dujardin 1841 <i>nom. cons.</i>										
* <i>multicostatum</i> Möbius 1888	+	-	-	-	-	-	-	-	-	-
* <i>prosgeobium</i> Skuja 1939	+	-	-	-	-	+	+	-	-	-
*sp.	-	-	-	-	-	-	+	-	-	+
* <i>Petalomonas</i> Stein 1859										
* <i>minuta</i> Hollande 1942	+	-	-	-	-	-	+	-	-	-
* <i>pusilla</i> Skuja 1948	-	-	-	-	-	-	+	-	-	-
* <i>steinii</i> Klebs 1892	-	-	?	-	-	-	-	-	-	-
*sp.	-	-	-	-	-	-	+	-	-	-
* <i>Pseudoperanema</i> Christen 1962 (ICBN)										
[* <i>Peranema</i> Dujardin 1841 (ICZN)]										
[non <i>Peranema</i> D. Don 1825 (Pteridophyta, Dryopteridaceae)]										
* <i>trichophorum</i> (Ehrenberg) Christen 1962 [<i>Trachelius ? trichophorum</i> Ehrenberg 1838] [<i>Peranema trichophorum</i> (Ehrenberg) Stein 1878 (ICZN)]	-	-	-	-	-	-	+	-	-	-

Division CHLOROPHYTA

Class **Pedinophyceae** (Loxophyceae)

Order PEDINOMONADALES

Monomastix Scherffel 1912 (15)

sp.

Pedinomonas Korshikov 1923

sp.

Resultor Moestrup 1991

mikron (Throndsen) Moestrup 1991

[*Pedinomonas mikron* Throndsen 1969]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
	-	-	-	-	-	-	f	-	-	-
	-	-	f	-	-	-	-	-	-	-
	-	-	f	-	-	-	f	-	f	f
	-	-	-	-	-	-	f	-	-	-
	-	-	-	-	-	-	f	-	-	f
	-	f	-	f	-	-	f	-	f	f
	+	-	-	-	-	-	-	-	-	-
	+	-	-	-	-	+	+	-	-	-
	-	-	-	-	-	-	+	-	-	+
	+	-	-	-	-	-	+	-	-	-
	-	-	-	-	-	-	+	-	-	-
	-	-	?	-	-	-	-	-	-	-
	-	-	-	-	-	-	+	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	+	-	-	-	-	-	+	-	-	-

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>marinus</i> (Cienkowski) Wærn 1952 [<i>Chlorangium marinum</i> Cienkowski 1881] [<i>Prasinocladus lubricus</i> Kuckuck 1894] [<i>Tetraselmis marina</i> (Cienkowski) Norris, Hori & Chihara 1980]		-	-	-	-	-	-	-	-	-
<i>Pseudoscourfieldia</i> Manton 1975										
<i>marina</i> (Throndsen) Manton 1975 [<i>Scourfieldia marina</i> Throndsen 1969]	+	-	-	-	+	-	+	+	+	-
<i>Pterosperma</i> Pouchet 1893										
<i>cristatum</i> Schiller 1925	+	-	-	-	-	-	+	-	-	-
<i>vanhoeffenii</i> (E. Jørgensen) Ostenfeld in Knudsen & Ostenfeld 1899 [<i>Pterosphaera vanhoeffenii</i> E. Jørgensen 1900]	+	-	-	-	-	-	-	-	-	-
<i>Pyramimonas</i> Schmarda 1850 (95, 96)										
<i>cirolanae</i> Pennick 1982	+	-	-	-	-	-	-	-	-	-
<i>cordata</i> McFadden in McFadden, Hill & Wetherbee 1986	+	-	-	-	-	-	-	-	-	-
<i>disomata</i> McFadden, Hill & Wetherbee 1986 [<i>Pyramimonas disomata</i> Butcher 1959 <i>nom. inval.</i>]	+	-	-	-	-	-	-	-	-	-
<i>gelidicola</i> McFadden, Moestrup & Wetherbee 1982 <i>aff.</i>	c	-	-	-	-	-	-	-	-	-
<i>grossii</i> Parke 1949 <i>emend.</i> Manton 1969	+	+	+	+	+	-	+	-	+	+
<i>longicauda</i> Van Meel 1969 <i>emend.</i> Inouye, Hori & Chihara 1984 [<i>Pyramimonas ostendensis</i> Van Meel 1969]	+	+	+	+	+	-	+	-	+	+
<i>mantoniae</i> Moestrup & Hill 1993	+	-	-	-	-	-	-	-	-	-
<i>nansenii</i> Braarud 1935 <i>emend.</i> Thomsen 1988	c	-	-	-	-	-	-	-	-	-
<i>norrisii</i> Sym & Pienaar 1991	+	-	-	-	-	-	-	-	-	-
<i>obovata</i> N. Carter 1937	+	-	-	-	-	-	-	-	-	-
<i>octopus</i> Moestrup & Aa. Kristiansen in Moestrup, Hori & Kristiansen 1987		-	-	-	-	-	-	-	-	-
<i>orientalis</i> McFadden, Hill & Wetherbee 1986 [<i>Pyramimonas orientalis</i> Butcher 1959 <i>nom. inval.</i>]	+	+	-	-	-	-	+	-	-	-
<i>pseudoparkeae</i> Pienaar & Aken 1985 <i>aff.</i>	-	-	-	-	-	-	+	-	-	-
<i>virginica</i> Pennick 1977	?	+	+	+	+	-	+	+	+	+
sp. (99)	+	+	+	+	+	+	+	+	+	+
<i>Scourfieldia</i> G.S. West 1912										
<i>complanata</i> G.S. West 1912	-	-	-	-	-	-	-	-	-	f
<i>Tetraselmis</i> F. Stein 1878 (96)										
<i>convolutae</i> (Parke & Manton) Norris, Hori & Chihara 1980 [<i>Platymonas convolutae</i> Parke & Manton 1967]	?	-	-	-	-	-	-	-	-	-
<i>cordiformis</i> (H.J. Carter) F. Stein 1878 [<i>Cryptoglana cordiformis</i> H.J. Carter 1859] [<i>Carteria cordiformis</i> (H.J. Carter) Dill 1895]	+	+	+	+	+	-	+	-	-	-

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>gracilis</i> (Kylin) Butcher 1959 [<i>Platymonas gracilis</i> Kylin 1935]	+	—	—	—	—	—	—	—	—	—
<i>suecica</i> (Kylin) Butcher 1959 [<i>Platymonas suecica</i> Kylin 1935]	+	—	—	—	—	—	—	—	—	—
<i>tetrathele</i> (G.S. West) Butcher 1959 [<i>Platymonas tetrathele</i> G.S. West 1916]	?	—	—	—	—	—	—	—	—	—

Class Charophyceae

Order KLEBSORMIDIALES

Elakatothrix Wille 1898

gelatinosa Wille 1898 — — — — — — — f — — —

genevensis (Reverdin) Hindák — — — — — — — f — — —

[*Elakatothrix lacustris* Korshikov]

[*Ankistrodesmus lacustris* (Chodat) Ostenfeld]

sp. — — — — — — — — — — +

Klebsormidium Silva, Mattox & Blackwell 1972

flaccidum (Kützing) Silva, Mattox & Blackwell 1972 — — — — — — — c — — —

[*Hormidium flaccidum* Kützing 1845]

[*Chlorhormidium flaccidum* (Kützing) Fott 1960]

Koliella Hindák 1963

longiseta Hindák

f. longiseta — — f — — — — + — — +

f. tenuis Nygaard — — — — — — — + — — —

setiformis (Nygaard) Nygaard 1979 — — — — — — — + — — —

[*Ankistrodesmus falcatus* v. *acicularis* (A. Braun)

G.S. West 1904 *sensu* Brunnthaler 1915]

spiculiformis (Vischer) Hindák — f — — — — — + + + —

spiralis Kuosa 1988 — — f — — — — + — + —

sp. — + — — — — — — — — —

Raphidonema Lagerheim 1892

cryophilum Chodat 1925 (2, 4, 66) — — + + — — — — — —

[*Raphidium nivale* Chodat]

[*Ankistrodesmus nivalis* (Chodat) Brunnthaler *in* Pascher 1915]

[non *Raphidonema nivale* Lagerheim 1892]

Stichococcus Nägeli 1849

bacillaris Nägeli 1849 — — + — — — — — — —

minor Nägeli 1849 — — + — — — — — — —

Order ZYGNEMATALES

Arthrodesmus Ehrenberg ex Ralfs 1848

hexagonus Boldt 1885

incus (Brébisson) Hassall ex Ralfs 1848

[*Cosmarium incus* Brébisson 1839]

Closterium Nitzsch ex Ralfs 1848

acerosum (Schränk) Ehrenberg ex Ralfs 1848

[*Vibrio acerosus* Schrank 1803]

aciculare T. West 1860

acutum Brébisson in Ralfs 1848

v. *acutum*

v. *variabile* (Lemmermann) W. Krieger 1935

[*Closterium pseudospirotaenium* v. *variabile* Lemmermann 1896]

ceratium Perty 1852

cornu Ehrenberg ex Ralfs 1848

costatum Corda ex Ralfs 1848

dianae Ehrenberg ex Ralfs 1848

ehrenbergii Meneghini ex Ralfs 1848

gracile Brébisson ex Ralfs 1848

kuetzingii Brébisson 1856

lanceolatum Kützing ex Ralfs 1848

lineatum Ehrenberg ex Ralfs 1848

lunula (O.F. Müller) Nitzsch ex Ralfs 1848

[*Vibrio lunula* O.F. Müller 1784]

moniliferum (Bory) Ehrenberg ex Ralfs 1848

[*Lunulina monilifera* Bory 1824]

parvulum Nägeli 1849

pronum Brébisson 1856

setaceum Ehrenberg ex Ralfs 1848

strigosum Brébisson 1856

tumidulum Gay 1884

sp.

Cosmarium Corda ex Ralfs 1848

bioculatum Brébisson ex Ralfs 1848

botrytis Meneghini ex Ralfs 1848

dentiferum Corda ex Nordstedt 1888

granatum Brébisson ex Ralfs 1848

impressulum Elfving 1881

laeve Rabenhorst 1868

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>hexagonus</i>	f	—	—	—	—	—	—	—	—	—
<i>incus</i>	—	—	—	—	—	—	f	—	—	—
<i>acerosum</i>	—	—	f	—	—	f	—	—	—	—
<i>aciculare</i>	—	—	f	—	—	f	f	—	—	+
v. <i>acutum</i>	—	—	f	—	—	—	f	—	—	—
v. <i>variabile</i>	—	—	f	—	—	—	f	—	f	+
<i>ceratium</i>	—	—	f	—	—	—	—	—	—	—
<i>cornu</i>	—	—	f	—	—	—	—	—	—	—
<i>costatum</i>	—	—	f	—	—	—	—	—	—	—
<i>dianae</i>	—	—	f	—	—	f	—	—	—	—
<i>ehrenbergii</i>	—	—	f	—	—	?	f	—	—	—
<i>gracile</i>	—	—	f	—	—	—	—	—	—	—
<i>kuetzingii</i>	—	—	—	—	—	—	f	—	—	—
<i>lanceolatum</i>	—	—	—	—	—	f	—	—	—	—
<i>lineatum</i>	—	—	f	—	—	—	—	—	—	—
<i>lunula</i>	—	—	f	—	—	—	—	—	—	—
<i>moniliferum</i>	f	f	f	—	—	f	f	—	—	—
<i>parvulum</i>	—	—	f	—	—	f	f	—	—	—
<i>pronum</i>	—	—	—	—	—	—	f	—	—	—
<i>setaceum</i>	—	—	f	—	—	—	f	—	—	—
<i>strigosum</i>	—	—	f	—	—	—	—	—	—	—
<i>tumidulum</i>	—	—	—	—	—	f	—	—	—	—
sp.	f	—	f	—	—	—	f	—	—	+
<i>bioculatum</i>	—	—	—	—	—	—	f	—	—	—
<i>botrytis</i>	—	—	—	—	—	f	—	—	—	—
<i>dentiferum</i>	—	—	—	—	—	—	f	—	—	—
<i>granatum</i>	—	—	—	—	—	f	—	—	—	—
<i>impressulum</i>	—	—	—	—	—	f	—	—	—	—
<i>laeve</i>	—	f	—	—	—	f	—	—	—	—

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>cuspidatus</i> (Brébisson ex Ralfs) Teiling 1948 [<i>Staurostrum cuspidatum</i> Brébisson ex Ralfs 1848]	–	–	–	–	–	–	f	–	–	–
<i>dejectus</i> (Brébisson ex Ralfs) Teiling 1948 [<i>Staurostrum dejectum</i> Brébisson ex Ralfs 1848]										
<i>v. dejectus</i>	–	–	–	–	–	–	f	–	–	–
<i>v. apiculatus</i> (Brébisson) Teiling 1967 [<i>Staurostrum apiculatum</i> Brébisson 1856]	–	–	f	–	–	–	–	–	–	–
<i>Zygnema</i> C.A. Agardh 1824 <i>nom. cons.</i> <i>sp.</i> (97)	–	–	lf	–	–	lf	lf	–	lf	–

Class **Chlorophyceae** – Green algae

Order VOLVOCALES (incl. TETRASPORALES)

<i>Asteromonas</i> Artari 1913										
<i>gracilis</i> Artari 1913	+	–	–	–	–	–	–	–	–	–
<i>Brachiomonas</i> Bohlin 1897										
<i>submarina</i> Bohlin 1897 (22) [<i>Chloraster</i> (?) n. sp.? Levander 1894]	+	–	–	–	+	–	+	–	–	–
<i>Carteria</i> Diesing 1866 <i>emend.</i> Francé 1893 <i>sp.</i> (95, 96, 99)	+	+	+	+	–	–	+	–	–	–
<i>Chlamydocapsa</i> Fott 1972										
<i>ampla</i> (Kützing) Fott 1972 [<i>Gloeocapsa ampla</i> Kützing 1843] [<i>Gloeocystis ampla</i> (Kützing) Rabenhorst]	–	–	f	–	–	–	f	–	–	–
<i>planctonica</i> (W. & G.S. West) Fott 1972 [<i>Gloeocystis gigas</i> v. <i>planctonica</i> W. & G.S. West 1906] [<i>Gloeocystis planktonica</i> (W. & G.S. West) Lemmermann 1915]	–	–	f	–	–	–	f	–	–	f
<i>Chlamydomonas</i> Ehrenberg 1833										
<i>braunii</i> Goroschankin 1890	–	–	f	–	–	–	–	–	–	–
<i>dinobryonis</i> G.M. Smith 1920	–	–	–	–	–	–	f	–	–	–
<i>magnusii</i> Reinke 1889 (2)	+	–	–	–	–	–	–	–	–	–
<i>marina</i> Cohn 1865 (2, 4) [<i>Sphaerella marina</i> (Cohn) Lemmermann 1902]	–	–	–	–	–	c	–	–	–	–
<i>mikroplankton</i> Reinke 1898 (2, 4)	+	–	–	–	–	–	–	–	–	–
<i>pulsatilla</i> Woilenweber 1926 (22) <i>sp.</i> (99)	–	–	–	–	–	–	+	–	–	–
	+	–	–	+	–	+	+	+	+	+
<i>Chlorangiella</i> G.B. De Toni 1889										
<i>pygmaea</i> (Ehrenberg) Silva 1959 [<i>Stentor pygmaeus</i> Ehrenberg 1831] [<i>Colacium stentorium</i> Ehrenberg 1838] [<i>Chlorangium stentorium</i> (Ehrenberg) Stein 1878]	–	–	f	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Chlorogonium</i> Ehrenberg 1830										
<i>maximum</i> Skuja 1939	–	–	f	–	–	–	–	–	–	–
<i>sp.</i>	–	–	–	–	–	–	–	–	–	+
<i>Dysmorphococcus</i> Takeda 1916										
<i>feldmannii</i> (Bourrelly) Ettl 1983	–	–	f	–	–	–	–	–	–	–
[<i>Thorakomonas feldmannii</i> Bourrelly 1951]										
<i>Eudorina</i> Ehrenberg 1831										
<i>eiegans</i> Ehrenberg 1831	–	–	f	–	–	f	f	–	–	f
<i>unicocca</i> G.M. Smith 1931	–	–	–	–	–	–	f	–	–	–
<i>Gonium</i> O.F. Müller 1773										
<i>pectorale</i> O.F. Müller 1773	–	f	f	–	–	f	f	–	–	–
<i>sociale</i> (Dujardin) Warming 1876	–	f	f	–	–	–	f	–	–	–
[<i>Tetramonas socialis</i> Dujardin 1841]										
<i>Hemitoma</i> Skuja 1939										
<i>maeandrocystis</i> Skuja 1939	–	–	–	–	–	–	–	–	–	+
<i>Lobomonas</i> Dangeard 1898										
<i>ampla</i> Pascher 1927	–	–	f	–	–	–	f	–	–	–
<i>Pandorina</i> Bory 1824										
<i>morum</i> (O.F. Müller) Bory 1824	–	–	f	f	–	f	f	–	–	–
[<i>Volvox morum</i> O.F. Müller 1773]										
<i>Phacotus</i> Perty 1852										
<i>lenticularis</i> (Ehrenberg) Stein 1878	f	–	f	–	–	–	–	–	–	–
* <i>Polytoma</i> Ehrenberg 1838										
* <i>papillatum</i> Pascher 1927	–	–	–	–	–	–	c	–	c	c
* <i>sp.</i>	–	–	–	–	–	–	–	–	+	–
* <i>Polytomella</i> Aragao 1910										
* <i>sp.</i>	–	–	–	–	–	–	–	–	–	c
<i>Pseudosphaerocystis</i> Woronichin 1931										
<i>lacustris</i> (Lemmermann) Nováková 1965	–	–	f	–	–	–	f	–	–	–
[<i>Tetraspora lacustris</i> Lemmermann 1898]										
[non <i>Tetraspora lacustris</i> Lemmermann 1915]										
[= <i>T. lemmermannii</i> Fott 1972]										
[<i>Pseudosphaerocystis planctonica</i> Woronichin 1931]										
[<i>Gemellcystis neglecta</i> Teiling 1946]										
[<i>Planktogloea lacustris</i> Skuja 1948]										
<i>Pteromonas</i> Seligo 1887										
<i>aculeata</i> Lemmermann 1900	–	–	f	–	–	–	–	–	–	–
<i>Schizochlamys</i> A. Braun 1849										
<i>gelatinosa</i> A. Braun 1849	–	–	f	–	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Spermatozopsis</i> Korshikov 1913										
<i>exultans</i> Korshikov 1913	—	—	—	—	—	—	f	—	—	—
<i>Sphaerellopsis</i> Korshikov 1925										
sp.	—	—	?	?	?	—	—	—	—	—
<i>Tetraspora</i> Link 1809										
<i>lemmermannii</i> Fott 1972	—	—	—	—	—	—	f	—	—	—
<i>limnetica</i> W. & G.S. West 1912 (2, 4)	—	—	—	—	—	—	f	—	—	—
<i>Volvox</i> L. 1758 <i>emend.</i> Ehrenberg 1830										
<i>aureus</i> Ehrenberg 1830	—	f	—	—	—	—	f	—	—	—
<i>tertius</i> Meyer 1896	—	f	—	—	—	—	—	—	—	—
Order CHLOROCOCCALES										
<i>Acanthosphaera</i> Lemmermann 1898										
<i>zachariasii</i> Lemmermann 1898	—	—	f	—	—	—	—	—	—	—
<i>Actinastrum</i> Lagerheim 1882										
<i>fluviale</i> (Schröder) Fott 1977 (2)	—	—	f	—	—	—	—	—	—	—
[<i>Actinastrum hantzschii</i> v. <i>fluviale</i> Schröder 1899]										
<i>hantzschii</i> Lagerheim 1882	—	fe	f	—	f	f	f	—	—	—
<i>Ankistrodesmus</i> Corda 1838										
<i>falcatus</i> (Corda) Ralfs 1848	f	f	f	f	f	f	f	—	f	+
[<i>Micrasterias falcata</i> Corda 1835]										
[<i>Ankistrodesmus biplex</i> (Reinsch) G.S. West 1904]										
<i>Ankyra</i> Fott 1957										
<i>judayi</i> (G.M. Smith) Fott 1957	—	—	—	—	—	—	f	—	—	—
[<i>Schroederia judayi</i> G.M. Smith 1916]										
[<i>Lambertia judayi</i> (G.M. Smith) Korshikov 1953]										
<i>lanceolata</i> (Korshikov) Fott 1957	—	—	—	—	—	—	f	—	—	—
[<i>Lambertia lanceolata</i> Korshikov 1953]										
[<i>Lambertia spatulifera</i> Korshikov 1953]										
[<i>Ankyra spatulifera</i> (Korshikov) Fott 1957]										
<i>Botryococcus</i> Kützing 1849										
<i>braunii</i> Kützing 1849	f	f	f	—	+	+	+	—	+	+
sp.	—	+	—	—	—	—	—	—	—	—
<i>Botryosphaerella</i> Silva 1970										
<i>sudetica</i> (Lemmermann) Silva 1970	—	—	—	—	—	—	f	—	—	—
[<i>Botryococcus sudeticus</i> Lemmermann 1896]										
[<i>Botryosphaera sudetica</i> (Lemmermann) Chodat 1922]										
<i>Characium</i> A. Braun <i>in</i> Kützing 1849										
<i>angustum</i> A. Braun 1855 (" <i>angustatum</i> " auct.) (4)	—	—	If	—	—	—	—	—	—	—
sp.	—	?	?	—	—	—	—	—	—	—

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Chlorella</i> Beijerinck 1890 <i>nom. cons.</i>										
<i>vulgaris</i> Beijerinck 1890	–	?	f	–	–	–	–	–	–	–
<i>sp.</i>	–	–	–	–	–	–	+	–	–	+
<i>Chlorolobion</i> Korshikov 1953										
<i>braunii</i> (Nägeli in Kützing) Komárek 1979	–	–	–	–	–	–	f	–	–	–
[<i>Raphidium braunii</i> Nägeli in Kützing 1849]										
[<i>Ankistrodesmus braunii</i> (Nägeli in Kützing) Collins 1912]										
[<i>Monoraphidium braunii</i> (Nägeli in Kützing) Komárková-Legnerová 1969]										
[<i>Keratococcus braunii</i> (Nägeli in Kützing) Hindák 1977]										
<i>Choricystis</i> (Skuja) Fott 1976										
[<i>Coccomyxa</i> sect. <i>Choricystis</i> Skuja 1948]										
<i>chodatii</i> (Jaag) Fott 1976 (4)	–	–	f	–	–	–	–	–	–	–
[<i>Coccomyxa chodatii</i> Jaag 1933]										
[<i>Coccomyxa lacustris</i> Chodat 1909]										
[non <i>Dactylococcus lacustris</i> Chodat 1897]										
[= <i>Coccomyxa lacustris</i> (Chodat) Pascher 1915]										
<i>coccoides</i> (Rodhe & Skuja) Fott 1976 (4)	–	–	f	–	–	–	–	–	–	–
[<i>Coccomyxa coccoides</i> Rodhe & Skuja in Skuja 1948]										
<i>sp.</i>	–	–	–	–	–	–	–	+	+	–
<i>Closteriopsis</i> Lemmermann 1899										
<i>longissima</i> (Lemmermann) Lemmermann 1899	–	–	f	–	–	–	f	–	–	–
[<i>Closterium pronum</i> v. <i>longissima</i> Lemmermann 1895]										
[<i>Ankistrodesmus longissimus</i> (Lemmermann) Wille 1910]										
<i>Coelastrum</i> Nägeli 1849										
<i>astroideum</i> De Notaris 1867	–	–	f	–	–	–	–	–	–	–
[? <i>Coelastrum pseudomicroporum</i> Korshikov 1953]										
<i>cambricum</i> Archer 1868 (2)	–	–	f	–	–	–	f	–	–	–
<i>indicum</i> Turner 1892 (4)	–	–	f	–	–	–	–	–	–	–
<i>microporum</i> Nägeli in A. Braun 1855	f	f	f	f	–	f	f	–	–	f
<i>reticulatum</i> (Dangeard) Senn 1899	–	f	f	–	–	–	f	–	–	–
[<i>Hariotina reticulata</i> Dangeard 1889]										
<i>sphaericum</i> Nägeli 1849	–	–	f	–	–	–	–	–	–	–
[<i>Coelastrum cubicum</i> Nägeli 1849]										
<i>Coenocystis</i> Korshikov 1953										
<i>subcylindrica</i> Korshikov 1953	–	–	f	–	–	–	–	–	–	–
<i>Crucigenia</i> Morren 1830										
<i>fenestrata</i> (Schmidle) Schmidle 1900	–	f	f	–	–	–	f	–	–	–
[<i>Staurogenia fenestrata</i> Schmidle 1897]										
<i>quadrata</i> Morren 1830 (2)	–	f	f	–	–	f	f	fe	–	f

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
tetrapedia (Kirchner) W. & G.S. West 1902	–	fe	f	–	–	f	f	+	f	f
[<i>Staurogenia tetrapedia</i> Kirchner 1880]										
[<i>Tetrapedia kirchneri</i> Lemmermann 1899]										
[<i>Lemmermannia tetrapedia</i> (Kirchner) Lemmermann 1904]										
Crucigeniella Lemmermann 1900										
apicuiata (Lemmermann) Komárek 1974	–	–	f	–	–	–	–	–	–	–
[<i>Staurogenia apicuiata</i> Lemmermann 1898]										
[<i>Crucigenia apiculata</i> (Lemmermann) Schmidle 1900]										
[<i>Tetrastrum apiculatum</i> (Lemmermann) Schmidle ex Brunthaler 1915]										
crucifera (Wolle) Komárek 1974	–	–	f	–	–	–	–	–	–	–
[<i>Staurogenia crucifera</i> Wolle 1877]										
[<i>Crucigenia cruciata</i> Schmidle 1900]										
[<i>Crucigenia crucifera</i> (Wolle) Collins 1909]										
[<i>Crucigenia reniforme</i> Swirenko 1926]										
lunaris Lemmermann 1900	–	?	f	–	–	–	–	–	–	–
[<i>Crucigenia lunaris</i> (Lemmermann) Wille 1911]										
rectangularis (Nägeli) Komárek 1974	–	–	f	–	–	f	f	–	–	f
[<i>Chloropodium rectangularis</i> Nägeli in litt. 1849]										
[<i>Crucigenia rectangularis</i> (Nägeli) Gay 1891]										
truncata (G.M. Smith) Komárek 1974	–	–	–	–	–	–	f	–	–	–
[<i>Crucigenia truncata</i> G.M. Smith 1920]										
Dactylosphaerium Steinecke 1916										
jurisii Hindák 1977	–	–	f	–	–	–	–	–	–	–
Desmodesmus (Chodat) An, Friedl & Hegewald 1999 (100)										
abundans (Kirchner) Hegewald 2000	f	–	?	–	–	–	f	–	–	–
[<i>Scenedesmus caudatus</i> f. <i>abundans</i> Kirchner in Cohn 1878]										
[<i>Scenedesmus quadricauda</i> f. <i>hyperabundans</i> Gutwinski 1890]										
[<i>Scenedesmus sempervirens</i> R. Chodat 1913]										
[<i>Scenedesmus gutwinskii</i> R. Chodat 1926]										
armatus (R. Chodat) Hegewald 2000										
[<i>Scenedesmus hystrix</i> v. <i>armatus</i> R. Chodat 1902]										
[<i>Scenedesmus armatus</i> (R. Chodat) R. Chodat 1913]										
[<i>Scenedesmus ellipsoldeus</i> R. Chodat 1926]										
[<i>Scenedesmus helveticus</i> R. Chodat 1926]										
[? <i>Scenedesmus westii</i> (G.M. Smith) R. Chodat 1926]										
[<i>Scenedesmus decorus</i> Hortobágyi 1959]										
[<i>Scenedesmus armatus</i> v. <i>splendidus</i> Uherkovich 1968]										
[<i>Scenedesmus ellipsoideus</i> v. <i>symmetriocaudatus</i> Uherkovich 1968]										
[<i>Scenedesmus armatus</i> v. <i>semigranulatus</i> Uherkovich 1971]										
[<i>Scenedesmus quadricauda</i> auct.]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>denticulatus</i> (Lagerheim 1882) An, Friedl & Hegewald 1999 [<i>Scenedesmus denticulatus</i> Lagerheim 1882]										
v. <i>denticulatus</i>	–	f	f	–	–	f	f	–	–	f
v. <i>fenestratus</i> (Teiling) Hegewald 2000 [<i>Scenedesmus fenestratus</i> Teiling 1942] [<i>Scenedesmus arcuatus</i> f. <i>spinosus</i> Hortobágyi & Németh 1963]	–	–	–	–	–	–	f	–	–	–
v. <i>linearis</i> (Hansgirg) Hegewald 2000 [<i>Scenedesmus denticulatus</i> v. <i>linearis</i> Hansgirg 1888] [<i>Scenedesmus longus</i> v. <i>brevispina</i> G.M. Smith 1916] [<i>Scenedesmus longus</i> v. <i>minutus</i> G.M. Smith 1916] [<i>Scenedesmus brevispina</i> (G.M. Smith) R. Chodat 1926]	–	–	–	–	–	–	f	–	–	–
<i>dispar</i> (Brébisson) Hegewald 2000 [<i>Scenedesmus dispar</i> Brébisson 1856] [<i>Scenedesmus quadricauda</i> v. <i>dispar</i> (Brébisson) Brunnthaler 1913] [? <i>Scenedesmus longus</i> auct. p.p.] [non <i>Scenedesmus longus</i> Meyen 1829]	–	f	f	–	–	–	–	–	–	f
<i>hystrix</i> (Lagerheim) Hegewald 2000 [<i>Scenedesmus hystrix</i> Lagerheim 1882]	–	–	f	–	–	–	–	–	–	–
<i>intermedius</i> (R. Chodat) Hegewald 2000 [<i>Scenedesmus intermedius</i> R. Chodat 1926]	–	–	f	–	–	+	+	–	+	+
<i>lefevrei</i> (Deflandre) An, Friedl & Hegewald 1999 [<i>Scenedesmus lefevrei</i> Deflandre 1924 ("lefevrii")]	–	–	–	–	–	–	f	–	–	–
<i>maximus</i> (W. & G.S. West) Hegewald 2000 [<i>Scenedesmus quadricauda</i> v. <i>maximus</i> W. & G.S. West 1895 ("maximum")] [<i>Scenedesmus maximus</i> (W. & G.S. West) R. Chodat 1913] [<i>Scenedesmus westii</i> (G.M. Smith) R. Chodat 1926] [<i>Scenedesmus longus</i> auct.] [<i>Scenedesmus naegelii</i> auct.] [<i>Scenedesmus quadricauda</i> auct.] [? <i>Scenedesmus magnus</i> Meyen 1829] [? <i>Scenedesmus quadricauda</i> v. <i>setosus</i> (Kirchner) Hansgirg 1888]	–	–	f	–	–	–	f	–	–	f
<i>opoliensis</i> (P. Richter) Hegewald 2000 [<i>Scenedesmus opoliensis</i> P. Richter 1895]										
v. <i>opoliensis</i>	–	f	f	–	–	+	+	–	+	+
v. <i>carinatus</i> (Lemmermann) Hegewald 2000 [<i>Scenedesmus opoliensis</i> v. <i>carinatus</i> Lemmermann 1899] [<i>Scenedesmus carinatus</i> (Lemmermann) R. Chodat 1913]	–	–	–	–	–	–	+	–	–	–
v. <i>mononensis</i> (R. Chodat) Hegewald 2000 [<i>Scenedesmus opoliensis</i> v. <i>mononensis</i> R. Chodat 1926]	–	–	–	–	–	–	+	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>protuberans</i> (Fritsch & Rich) Hegewald 2000 [<i>Scenedesmus protuberans</i> Fritsch & Rich 1929]	–	–	f	–	–	–	–	–	–	–
<i>serratus</i> (Corda) An, Friedl & Hegewald 1999 [<i>Arthrodesmus serratus</i> Corda 1839] [<i>Scenedesmus serratus</i> (Corda) Bohlin 1901] [<i>Scenedesmus arvernensis</i> R. & F. Chodat 1926]	–	–	f	–	–	–	–	–	–	–
<i>spinosus</i> (R. Chodat) Hegewald 2000 [<i>Scenedesmus spinosus</i> R. Chodat 1913]	f	–	f	–	–	+	+	–	+	–
<i>subspicatus</i> (R. Chodat) Hegewald & A. Schmidt in Hegewald 2000 [<i>Scenedesmus subspicatus</i> R. Chodat 1926]	–	f	?	–	–	+	+	–	–	–
<i>Dicellula</i> Swirenko 1926 <i>planctonica</i> Swirenko 1926 [<i>Franceia tuberculata</i> G.M. Smith 1926]	–	–	f	–	–	–	–	–	–	–
<i>Dictyosphaerium</i> Nägeli 1849 <i>ehrenbergianum</i> Nägeli 1849 <i>elegans</i> Bachmann 1913 <i>elongatum</i> Hindák 1977 [<i>Steiniella graevenitzii</i> forma sensu Skuja 1956]	–	f	f	–	–	f	f	–	–	+
<i>pulchellum</i> H.C. Wood 1872 (1874?) (101) <i>subsolitarium</i> Van Goor 1924 [<i>Dictyosphaerium simplex</i> Skuja 1956] [<i>Dictyosphaerium primarium</i> Skuja 1964] [<i>Dictyosphaerium skujae</i> Philipose 1967]	–	–	f	–	–	–	f	–	–	f
<i>tetrachotomum</i> Printz 1914 (101) sp.	–	–	–	–	–	f	–	–	–	–
<i>Dimorphococcus</i> A. Braun 1855 <i>lunatus</i> A. Braun [<i>Dictyosphaerium reniforme</i> Bulnheim 1859]	+	+	+	–	–	+	+	+	+	+
<i>Eresmosphaera</i> De-Bary 1858 [<i>Chlorosphaera</i> Henfrey 1859] <i>viridis</i> De-Bary 1858 [<i>Chlorosphaera oliveri</i> Henfrey 1859]	–	–	+	–	–	–	+	–	–	–
<i>Eutetramorus</i> Walton 1918 [<i>Coenococcus</i> Korshikov 1953] <i>fottii</i> (Hindák) Komárek 1979 [<i>Coenococcus fottii</i> Hindák 1977] [<i>Coenochloris fottii</i> (Hindák) Tzarenko] [<i>Sphaerocystis schroeteri</i> auct.]	–	–	–	–	–	?	+	–	–	–
	+	+	–	–	–	–	–	+	–	+
	–	–	f	–	–	–	f	–	–	–
	–	–	f	–	–	–	–	–	–	–
	–	–	f	–	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>planctonicus</i> (Korshikov) Bourrelly 1966 [<i>Coenococcus planctonicus</i> Korshikov 1953]	–	–	f	–	–	–	–	–	–	–
<i>Franceia</i> Lemmermann 1898 [<i>Bohlinia</i> Lemmermann 1899]										
<i>armata</i> (Lemmermann) Korshikov 1953 [<i>Golenkinia armata</i> Lemmermann 1898] [<i>Chodatella armata</i> (Lemmermann) Lemmermann 1898]	f	–	f	–	–	–	–	–	–	–
<i>droescheri</i> (Lemmermann) G.M. Smith 1933 [<i>Chodatella droescheri</i> Lemmermann 1900] [<i>Lagerheimia droescheri</i> (Lemmermann) Printz 1914]	–	–	f	–	–	f	–	–	–	–
<i>echidna</i> (Bohlin) Bourrelly 1948 [<i>Oocystis echidna</i> Bohlin 1897] [<i>Bohlinia echidna</i> (Bohlin) Lemmermann 1899] [<i>Chodatella echidna</i> (Bohlin) Chodat 1901] [<i>Lagerheimia echidna</i> (Bohlin) Wille 1909]	–	–	f	–	–	–	–	–	–	–
<i>ovalis</i> (Francé) Lemmermann 1898 [<i>Phythelios ovalis</i> Francé 1894]	–	–	f	–	–	–	–	–	–	–
<i>Fusola</i> Snow 1902 <i>viridis</i> Snow 1902 [<i>Elakatothrix viridis</i> (Snow) Printz 1914]	–	–	–	–	–	–	f	–	–	+
<i>Golenkinia</i> R. Chodat 1894 <i>emend.</i> Korshikov <i>radiata</i> R. Chodat 1894 [<i>Micractinium radiatum</i> (R. Chodat) Wille 1909]	f	f	f	f	f	f	f	–	–	f
sp.	–	–	–	–	–	–	f	–	–	–
<i>Granulocystis</i> Hindák 1977 sp.	–	–	+	–	–	–	–	–	–	–
<i>Granulocystopsis</i> Hindák 1977 <i>pseudocoronata</i> (Korshikov) Hindák 1977 [<i>Oocystis pseudocoronata</i> Korshikov 1939]	–	–	f	–	–	–	–	–	–	–
<i>Hydrodictyon</i> Roth 1800 <i>reticulatum</i> (L.) Lagerheim 1883 [<i>Conferva reticulata</i> L. 1763] [<i>Hydrodictyon utriculatum</i> Roth 1800]	–	–	+	–		–		–	–	–
<i>Kirchneriella</i> Schmidle 1893 <i>contorta</i> (Schmidle) Bohlin 1897 [<i>Kirchneriella obesa</i> v. <i>contorta</i> Schmidle 1894] [<i>Raphidocelis contorta</i> (Schmidle) Marvan, Komárek & Comas 1984]	–	–	f	–	–	–	f	fe	f	–
<i>danubiana</i> Hindák 1980 [<i>Raphidocelis danubiana</i> (Hindák) Marvan, Komárek & Comas 1984]	–	–	f	–	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
subsalsa Lemmermann 1898	f	–	f	–	–	f	–	–	–	–
[<i>Chodatella subsalsa</i> (Lemmermann) Lemmermann 1898]										
wratislaviensis Schröder 1897	–	–	f	–	–	–	–	–	–	–
[<i>Bernardia wratislaviensis</i> (Schröder) Playfair]										
[<i>Chodatella wratislaviensis</i> (Schröder) Ley 1948]										
sp.	–	–	–	–	–	–	f	–	+	–
Micractinium Fresenius 1858										
[<i>Richteriella</i> Lemmermann 1896]										
[<i>Errerella</i> Conrad 1913]										
pusillum Fresenius 1858	–	–	f	–	f	f	f	–	–	f
[<i>Golenkinia botryoides</i> Schmidle 1896]										
[<i>Richteriella globosa</i> Lemmermann 1897]										
[<i>Richteriella botryoides</i> (Schmidle) Lemmermann 1898]										
[<i>Tetrastrum multisetum</i> (Schmidle) Chodat 1902]										
quadrisetum (Lemmermann) G.M. Smith 1916	–	–	f	–	–	–	–	–	–	–
[<i>Richteriella quadriseta</i> Lemmermann 1898]										
Monoraphidium Komárková-Legnerová 1969										
arcuatum (Korshikov) Hindák 1970	–	–	f	–	–	–	f	–	–	–
[<i>Ankistrodesmus arcuatus</i> Korshikov]										
contortum (Thuret in Brébisson) Komárková-Legnerová 1969	+	+	+	+	+	+	+	+	+	+
[<i>Ankistrodesmus contortus</i> Thuret in Brébisson 1856]										
[? <i>Dactylococcopsis raphidioides</i> Hansgirg 1888]										
[<i>Ankistrodesmus falcatus</i> v. <i>spirilliformis</i> G.S. West 1904]										
[? <i>Ankistrodesmus angustus</i> auct.]										
[? <i>Ankistrodesmus falcatus</i> auct.]										
[? <i>Ankistrodesmus spiralis</i> auct.]										
convolutum (Corda) Komárková-Legnerová 1969	–	f	f	–	–	f	–	–	–	–
[<i>Ankistrodesmus convolutus</i> Corda 1838]										
dybowskii (Wotoszyńska) Hindák & Komárková-Legnerová 1969	–	–	–	–	–	–	f	–	–	–
[<i>Keratococcus dybowskii</i> Wotoszyńska 1917]										
griffithii (Berkeley) Komárková-Legnerová 1969	–	–	f	–	–	f	f	–	–	+
[<i>Closterium griffithii</i> Berkeley 1854]										
[<i>Raphidium aciculare</i> A. Braun 1855]										
[<i>Ankistrodesmus falcatus</i> v. <i>acicularis</i> (A. Braun) G.S. West 1904]										
[<i>Ankistrodesmus acicularis</i> (A. Braun) Korshikov 1953]										
komarkovae Nygaard 1979	–	–	f	–	–	–	f	f	f	+
[<i>Monoraphidium setiforme</i> (Nygaard) Komárková-Legnerová 1969 <i>sine typo</i>]										
[<i>typus</i> = <i>Koliella setiformis</i> (Nygaard) Nygaard 1979]										

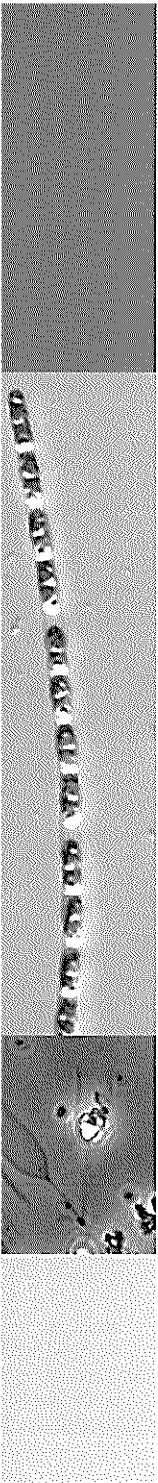
	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
v. angulosum	–	–	f	–	–	–	f	–	–	–
v. asperum (A. Braun) Sulek 1969	–	–	–	–	–	–	f	–	–	–
[Pediastrum pertusum v. asperum A. Braun 1855]										
[Pediastrum duplex v. coronatum Raciborski 1890]										
biradiatum Meyen 1829	–	–	f	–	–	–	f	–	–	–
boryanum (Turpin) Meneghini 1840										
[Helierella boryana Turpin 1828]										
[?Pediastrum constrictum Hassail 1845]										
[Pediastrum granulatum Kützing 1845]										
[Pediastrum bidentulum A. Braun 1855]										
[Pediastrum boryanum v. granulatum (Kützing) A. Braun]										
[?Pediastrum boryanum v. rugulosum G.S. West]										
v. boryanum	f	f	f	f	f	f	f	–	–	+
v. brevicorne A. Braun 1855	f	f	f	–	–	f	–	–	–	–
[Pediastrum muticum Kützing 1849 p.p.]										
[Pediastrum boryanum ssp. longicorne f. granulatum Raciborski 1890]										
[Pediastrum boryanum v. brevicorne f. granulatum (Raciborski) Parra 1979]										
v. cornutum (Raciborski) Sulek 1969	–	–	–	–	–	f	f	–	–	–
[Pediastrum duplex v. cornutum Raciborski 1890]										
[Pediastrum cornutum (Raciborski) Troitzkaja 1933]										
v. divergens Lemmermann 1901 (2)	–	f	–	–	–	–	–	–	–	–
v. longicorne Reinsch 1867	–	f	f	–	–	f	f	–	–	–
[Pediastrum muticum v. longicorne (Reinsch) Raciborski 1890]										
duplex Meyen 1829										
[Pediastrum pertusum Kützing 1845]										
[Pediastrum duplex v. genuinum A. Braun nom. illeg.]										
[Pediastrum pertusum v. clathratum A. Braun 1855]										
[Pediastrum duplex v. clathratum (A. Braun) Lagerheim 1883]										
[Pediastrum duplex v. reticulatum Lagerheim]										
[Pediastrum limneticum Thunmark 1945]										
v. duplex	f	f	f	–	–	f	f	–	–	+
v. asperum (A. Braun) Hansgirg 1886 (2)	–	–	–	–	–	–	f	–	–	–
v. gracillimum W. & G.S. West 1895 (2)	–	f	–	–	–	–	f	–	–	–
[Pediastrum gracile A. Braun 1855]										
[?Pediastrum duplex v. genuinum f. gracilis (A. Braun) Brunnthaler 1915]										
[Pediastrum gracillimum (W. & G.S. West) Thunmark 1945]										
v. pulchrum Lemmermann 1898 (2)	–	f	–	–	–	–	–	–	–	–
[Pediastrum boryanum v. pulchrum (Lemmermann) Abshagen 1908]										
v. rugulosum Raciborski 1890	–	–	f	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>pfitzeri</i> (Schröder) G.M. Smith 1920	–	–	f	–	–	–	f	–	–	–
[<i>Raphidium pfitzeri</i> Schröder 1902]										
[<i>Ankistrodesmus pfitzeri</i> (Schröder) G.S. West]										
sp.	–	–	–	–	–	–	?	–	–	+
Rayssiella Edelstein & Prescott 1964										
<i>curvata</i> (Bohlin) Komárek 1974	–	–	f	–	–	–	–	–	–	–
[<i>Scenedesmus curvatus</i> Bohlin 1897]										
[<i>Schroederiella curvata</i> (Bohlin) Fott & Komárek 1960]										
Scenedesmus Meyen 1829										
<i>aculeolatus</i> Reinsch 1877 (2, 103)	–	–	–	–	–	–	–	–	–	–
[<i>Scenedesmus denticulatus</i> v. <i>linearis</i> Hansgirg 1886]										
<i>acuminatus</i> (Lagerheim) R. Chodat 1902	f	f	f	–	+	+	+	–	+	+
[<i>Selenastrum acuminatum</i> Lagerheim in Wittrock & Nordstedt 1883]										
[<i>Scenedesmus acuminatus</i> v. <i>biseriatus</i> Reinhardt 1904 (1905)]										
<i>acutiformis</i> Schröder 1897	f	–	f	–	–	–	c	–	–	–
<i>apiculatus</i> (W. & G.S. West) R. Chodat 1926 <i>nom. illeg.</i> (108)	–	–	f	–	–	–	f	–	–	–
[non <i>Scenedesmus apiculatus</i> Corda in G.B. De Toni 1894]										
[<i>Scenedesmus alternans</i> v. <i>apiculata</i> W. & G.S. West 1894]										
[<i>Scenedesmus incrassatulus</i> Bohlin <i>sensu</i> Kuosa 1986]										
<i>arcuatus</i> (Lemmermann) Lemmermann 1899										
[<i>Scenedesmus bijugatus</i> v. <i>arcuatus</i> Lemmermann 1898]										
[<i>Scenedesmus alternans</i> v. <i>arcuatus</i> (Lemmermann) Fott & Komárek 1960]										
v. <i>arcuatus</i>	–	–	–	–	–	f	f	–	f	f
v. <i>platydiscus</i> G.M. Smith 1916	–	–	–	–	–	–	f	–	–	–
[<i>Scenedesmus platydiscus</i> (G.M. Smith) R. Chodat 1926]										
[<i>Scenedesmus alternans</i> v. <i>platydiscus</i> (G.M. Smith) Fott & Komárek 1960]										
<i>caudato-aculeolatus</i> R. Chodat 1926 (104)	–	–	f	–	–	–	–	–	–	–
<i>costatus</i> Schmidle 1895 (4)	–	–	f	–	–	–	–	–	–	–
<i>ellipticus</i> Corda 1835	f	f	+	–	–	+	+	–	–	–
[<i>Scenedesmus quadricaudatus</i> v. <i>ecornis</i> Ehrenberg 1839]										
[<i>Scenedesmus bijugatus</i> v. <i>flexuosus</i> Lemmermann 1898]										
[<i>Scenedesmus ecornis</i> (Ehrenberg ex Ralfs) R. Chodat 1926]										
[<i>Scenedesmus bijuga</i> ("bijugatus") auct. p.p. (?)]										
[<i>Scenedesmus linearis</i> Komárek 1974] etc. (105)										
<i>granulatus</i> W. & G.S. West 1897	–	–	+	–	–	–	+	–	–	+
<i>incrassatulus</i> Bohlin 1897	–	–	–	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
obliquus (Turpin) Kützing 1833	–	f	f	–	+	+	+	–	+	+
[<i>Achnanthes obliqua</i> Turpin 1828]										
[<i>Achnanthes dimorpha</i> Turpin 1828]										
[<i>Scenedesmus acutus</i> Meyen 1829]										
[<i>Scenedesmus dimorphus</i> (Turpin) Kützing 1833]										
[<i>Scenedesmus antennatus</i> Brébisson in Ralfs 1848]										
[<i>Scenedesmus antennatus</i> v. <i>tetradesmiformis</i> Wołoszyńska 1917]										
[<i>Scenedesmus tetradesmiformis</i> (Wołoszyńska) R. Chodat 1926]										
[<i>Scenedesmus acutus</i> f. <i>alternans</i> Hortobágyi 1941]										
[<i>Scenedesmus acutus</i> f. <i>tetradesmiformis</i> (Wołoszyńska) Uherkovich 1966]										
[<i>Scenedesmus acutus</i> f. <i>costulatus</i> (R. Chodat) Uherkovich 1966]										
obtusus Meyen 1829 <i>emend.</i> Hegewald et al. 1988	–	–	f	–	–	–	f	–	–	–
[<i>Scenedesmus alternans</i> Reinsch 1867]										
[<i>Scenedesmus bijuga</i> v. <i>alternans</i> (Reinsch) Borge 1906]										
[<i>Steiniella graevenitzii</i> Bernard 1908]										
[<i>Scenedesmus arcuatus</i> v. <i>disjunctus</i> Borge 1923]										
[<i>Scenedesmus ovalternus</i> R. Chodat 1926 <i>nom illeg.</i>]										
[<i>Scenedesmus ovalternus</i> v. <i>graevenitzii</i> (Bernard) R. Chodat 1926]										
[<i>Scenedesmus piatydiscus</i> v. <i>alternans</i> (Reinsch) R. Chodat 1926]										
[<i>Scenedesmus graevenitzii</i> (Bernard) Margalef 1956]										
[<i>Scenedesmus alternans</i> v. <i>prescottii</i> Fott & Komárek 1960]										
[<i>Scenedesmus obtusus</i> f. <i>alternans</i> (Reinsch) Compère 1976]										
[<i>Scenedesmus arcuatus</i> f. <i>prescottii</i> (Fott & Komárek) Kuosa 1988]										
[<i>Scenedesmus obtusus</i> v. <i>graevenitzii</i> (Bernard) Kuosa 1988] etc. (105)										
parvus (G.M. Smith) Bourrelly in Bourrelly & Manguin 1952	–	–	f	–	–	–	–	–	–	–
[<i>Scenedesmus bijuga</i> (v. <i>alternans</i>) f. <i>parvus</i> G.M. Smith 1916]										
[<i>Scenedesmus parvus</i> v. <i>granulatus</i> Bourrelly in Bourrelly & Manguin 1952]										
[<i>Scenedesmus intermedius</i> (v. <i>acaudatus</i>) f. <i>granulatus</i> Hortobágyi 1960]										
[<i>Scenedesmus papillosus</i> Pankow 1986] etc. (105)										
pectinatus Meyen 1829	–	–	f	–	–	–	+	–	–	–
[<i>Scenedesmus falcatus</i> R. Chodat 1894]										
[<i>Scenedesmus acuminatus</i> auct.]										
spicatus W. & G.S. West 1898 (2)	–	–	–	–	–	f	f	–	–	–
verrucosus Roll 1925	–	–	f	–	–	–	f	–	–	f
[<i>Scenedesmus bijugatus</i> v. <i>disciformis</i> R. Chodat 1902]										
[<i>Scenedesmus ecornis</i> v. <i>disciformis</i> (R. Chodat) R. Chodat 1926]										
[<i>Scenedesmus disciformis</i> (R. Chodat) Fott & Komárek 1960] etc. (105)										
sp.	+	+	+	–	–	–	+	–	+	+

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
Schroederia Lemmermann 1898										
<i>setigera</i> (Schröder) Lemmermann 1898	–	–	f	–	–	f	f	–	–	–
[<i>Reinschiella setigera</i> Schröder 1897]										
[<i>Ankistrodesmus setigerus</i> (Schröder) G.S. West 1904]										
[<i>Characium setigerum</i> (Schröder) Bourrelly 1951]										
Selenastrum Reinsch 1867										
<i>bibraianum</i> Reinsch 1867	–	–	f	–	–	–	f	–	–	–
[<i>Ankistrodesmus bibraianus</i> (Reinsch) Korshikov 1953]										
<i>capricornutum</i> Printz 1914	–	–	–	–	–	–	f	–	–	f
<i>gracile</i> Reinsch 1867	–	–	f	–	–	–	–	–	–	–
[<i>Ankistrodesmus gracilis</i> (Reinsch) Korshikov 1953]										
<i>spinulosum</i> Nägeli 1849	–	–	f	–	–	–	f	–	–	–
Siderocelis (Naumann) Fott 1934										
<i>ornata</i> (Fott) Fott 1934	–	–	f	–	–	–	–	–	–	–
[<i>Oocystis ornata</i> Fott 1933]										
Siderocystopsis Swale 1964										
<i>fusca</i> (Korshikov) Swale 1964	–	–	f	–	–	–	–	–	–	–
[<i>Siderocystis fusca</i> Korshikov 1953]										
Sorastrum Kützing 1845										
<i>americanum</i> (Bohlin) Schmidle 1900	–	–	f	–	–	–	–	–	–	–
[<i>Selenosphaerium americanum</i> Bohlin 1897]										
Sphaerocystis R. Chodat 1897										
<i>planctonica</i> (Korshikov) Bourrelly 1966	–	–	f	–	–	–	–	–	–	–
[<i>Palmellocystis planctonica</i> Korshikov 1953]										
[<i>Gloeococcus schroeteri</i> (R. Chodat) Lemmermann <i>sensu</i> Skuja 1948]										
<i>schroeteri</i> R. Chodat 1897	–	f	f	–	–	–	f	–	+	+
[<i>Gloeococcus schroeteri</i> (R. Chodat) Lemmermann 1915]										
sp.	–	–	–	–	–	–	f	–	–	+
Tetrachlorella Korshikov 1939										
<i>alternans</i> (G.M. Smith) Korshikov 1939	–	–	f	–	–	–	–	–	–	–
[<i>Crucigenia alternans</i> G.M. Smith 1926]										
<i>coronata</i> (Korshikov) Korshikov 1953	–	–	f	–	–	–	–	–	–	–
[<i>Tetrachlorella alternans</i> f. <i>coronata</i> Korshikov 1939]										
<i>ornata</i> Korshikov 1953	–	–	f	–	–	–	–	–	–	–
Tetradesmus G.M. Smith 1913										
<i>wisconsinensis</i> G.M. Smith 1913	–	–	f	–	–	–	–	–	–	–
Tetraëdron Kützing 1845										
<i>caudatum</i> (Corda) Hansgirg 1888	–	–	f	–	–	f	f	–	–	–
[<i>Astericum caudatum</i> Corda 1839]										
[<i>Tetraëdron caudatum</i> v. <i>incisum</i> Lagerheim 1883]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>incus</i> (Teiling) G.M. Smith 1926 [<i>Tetraëdron regulare</i> v. <i>incus</i> Teiling 1912]	–	–	f	–	–	–	–	–	–	–
<i>longispinum</i> (Perty) Hansgirg <i>sensu</i> Gucunski 1973 (2)	–	–	f	–	–	–	–	–	–	–
<i>minimum</i> (A. Braun) Hansgirg 1888 [<i>Polyedrium minimum</i> A. Braun 1855] [<i>Tetraëdron quadratum</i> (Reinsch) Hansgirg 1889]	–	f	+	–	–	+	+	–	+	+
<i>triangulare</i> Korshikov 1953	–	–	f	–	–	–	–	–	–	–
sp.	–	f	–	–	–	–	–	–	–	–
<i>Tetrastrum</i> R. Chodat 1895										
<i>elegans</i> Playfair 1917	–	–	f	–	–	–	–	–	–	–
<i>staurogeniaeforme</i> (Schröder) Lemmermann 1900 [<i>Cohniella staurogenaeformis</i> Schröder 1897]	f	f	f	f	–	–	f	–	–	–
<i>triangulare</i> (R. Chodat) Komárek 1974 [<i>Staurogenia triangulare</i> R. Chodat 1900] [<i>Crucigenia quadrata</i> auct.]	–	f	f	–	–	–	f	–	–	–
<i>Treubaria</i> Bernard 1908										
<i>schmidlei</i> (Schröder) Fott & Kovácik 1975 [<i>Polyedrium schmidlei</i> Schröder 1898] [<i>Tetraedron schmidlei</i> (Schröder) Lemmermann 1903]	–	f	f	–	–	–	–	–	–	–
<i>setigera</i> (Archer) G.M. Smith 1933 [<i>Tetrapedia setigera</i> Archer 1872] [<i>Polyedrium trilobulatum</i> Reinsch 1888] [<i>Tetraëdron trilobulatum</i> (Reinsch) Hansgirg 1889]	–	–	–	–	–	–	f	–	–	–
<i>triappendiculata</i> Bernard 1908 [<i>Tetraedron triappendiculatum</i> (Bernard) Wille in Brunthaler 1915]	–	–	f	–	–	–	f	–	–	–
<i>Trochiscia</i> Kützing 1845 (2)										
<i>brachiolata</i> (Möbius) Lemmermann 1903 (2) [<i>Xanthidium brachiolatum</i> Möbius 1887]	+	+	+	+	–	–	–	–	–	–
<i>clevei</i> Lemmermann 1903 (2) [<i>Xanthidium hystrix</i> P.T. Cleve 1900]	+	+	+	–	–	–	+	–	?	?
<i>multispinosa</i> (Möbius) Lemmermann 1903 (2) [<i>Xanthidium multispinosum</i> Möbius 1887]	+	+	+	–	–	–	–	–	–	–
<i>paucispinosa</i> (P.T. Cleve) Lemmermann 1903 (2) [<i>Xanthidium paucispinosum</i> P.T. Cleve 1900]	+	–	–	–	–	–	–	–	–	–
sp.	–	–	–	–	–	–	–	–	+	–
<i>Westella</i> De-Wildeman 1897										
<i>botryoides</i> (W. West) De-Wildeman 1897 [<i>Tetracoccus botryoides</i> W. West 1892]	–	–	f	–	–	–	f	–	–	f



	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
<i>Willea</i> Schmidle 1900										
<i>irregularis</i> (Wille) Schmidle 1900	–	–	f	–	–	–	–	–	–	–
[<i>Crucigenia irregularis</i> Wille 1898]										
Order ULOTRICHALES										
<i>Ulothrix</i> Kützing 1836 (1833)										
sp.	–	–	–	–	–	–	–	–		–
Order MICROSPORALES										
<i>Catena</i> R. Chodat 1900										
<i>viridis</i> R. Chodat 1900 (15)	–	–	f	–	–	–	–	–	–	–
<i>Geminella</i> Turpin 1828										
<i>mutabilis</i> (Nägeli) Wille 1909	–	–	f	–	–	–	–	–	–	–
[<i>Hormospora mutabilis</i> Nägeli]										
<i>Gloeotila</i> Kützing 1843										
<i>coronata</i> R. Chodat (15)	–	–	f	–	–	–	–	–	–	–
<i>pelagica</i> (Nygaard) Skuja 1956	–	–	–	–	–	–	–	–	–	f
[<i>Ulothrix pelagica</i> Nygaard 1949]										
<i>Microspora</i> Thuret 1850 <i>nom. cons.</i>										
sp.	–	–	f	–	–	–	f	–	–	–
<i>Planctonema</i> Schmidle 1903 ("Planktonema" auct.)										
<i>lauterbornii</i> Schmidle 1903	+	+	+	+	+	+	+	+	+	+
[<i>Binuclearia lauterbornii</i> (Schmidle) Proschkina-Lavrenko 1966]										
Order OEDOGONIALES										
<i>Oedogonium</i> Link ex Hirn 1900										
sp. (97)	–	–	–	–	–	–		–	–	–

Annex: Various non-photosynthetic protist groups

Phylum ZOOMASTIGOPHORA – Zooflagellates

Class **Bicosoecidea**

Order BICOSOECIDA (ICBN: BICOSOECALES)

 **Bicosoeca* James-Clark 1867 ("*Bicoeca*")

 **ainikkiae* Järnefelt 1956

 [*Bicosoeca tubiformis* Skuja 1956]

 **lacustris* James-Clark 1867

–	–	–	–	–	–	–	f	–	–	+
–	–	–	–	–	–	–	f	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>maris</i> Picken 1941 [<i>Bicosoeca pocillum</i> Griessmann 1913] [non <i>Bicosoeca pocillum</i> Kent 1880] [<i>Bicosoeca griessmannii</i> Bourrelly 1951]	+	–	–	–	–	–	–	–	–	–
* <i>mignotii</i> Moestrup, Thomsen & Hibberd in Vørs 1992	–	–	–	–	–	–	+	–	–	–
* <i>ovata</i> Lemmermann 1914 [<i>Bicosoeca kepneri</i> v. <i>ovata</i> (Lemmermann) Bourrelly 1951]	–	f	–	–	–	f	–	–	–	+
* <i>petiolata</i> (Stein) E.G. Pringsheim 1946 [<i>Poteriodendron petiolatum</i> Stein 1878]	–	–	–	–	–	–	f	–	–	–
* <i>planctonica</i> Kisselew 1931 [<i>Bicosoeca annulata</i> Štolc 1887 (1888)] [<i>Bicosoeca multiannulata</i> Skuja 1948] [<i>Bicosoeca planctonica</i> v. <i>multiannulata</i> (Skuja) Bourrelly 1951]	–	–	–	–	–	–	f	–	f	f
* <i>sp.</i>	+	–	–	–	–	–	+	–	–	+
* <i>Cafeteria</i> Fenchel & Patterson 1988										
* <i>roenbergensis</i> Fenchel & Patterson 1988	+	–	–	–	–	–	+	–	–	–
* <i>Pseudobodo</i> Griessmann 1913										
* <i>tremulans</i> Griessmann 1913	+	–	–	–	–	–	–	–	–	–

Class Choanoflagellidea – Collar flagellates (ICBN: Craspedophyceae)

Order CHOANOFLAGELLIDA

Family CODOSIGIDAE

**Codosiga* James-Clark 1866 ("*Codonosiga*" auct.)

**botrytis* (Ehrenberg) Kent 1880

[*Epistylis botrytis* Ehrenberg 1838]

**sp.*

**Desmarella* Kent 1880

**moniliformis* Kent 1880

**sp.*

**Monosiga* Kent 1880

**baitica* Willén 1963

**micropelagica* Throndsen 1974 (4)

**ovata* Kent 1880

**sp.*

**Proterospongia* Kent 1880 ("*Protospongia*" auct.)

**dybsoeënsis* Grøntved 1956

Family SALPINGOECIDAE

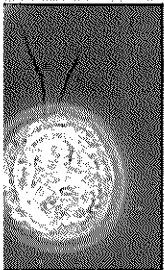
**Salpingoeca* James-Clark 1867

**aggregata* Valkanov 1970

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
	–	–	–	–	–	–	+	–	–	–
	–	–	–	–	–	–	+	–	–	–
	–	–	–	–	–	–	–	–	–	+
	+	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	+	–
	–	–	?	?	–	–	–	–	?	–
	–	–	–	–	–	–	+	–	–	–
	+	+	–	+	–	–	+	–	+	+
	+	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	+	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>amphoridium</i> James-Clark 1867	+	-	-	-	-	-	+	-	-	-
[<i>Salpingoeca ampullacea</i> Stein 1878]										
[<i>Salpingoeca ampulloides</i> Bicudo & Bicudo 1983]										
* <i>collaris</i> Stokes 1894	-	-	-	-	-	-	+	-	-	-
* <i>frequentissima</i> (Zacharias) Lemmermann 1913	-	-	-	-	-	-	f	-	-	-
[<i>Diplosiga frequentissima</i> Zacharias 1894]										
[<i>Diplosigopsis frequentissima</i> (Zacharias) Lemmermann 1904]										
* <i>marina</i> James-Clark 1867	+	-	-	-	-	-	+	-	-	-
* <i>sp.</i>	+	+	+	+	-	-	-	-	+	+
Family ACANTHOECIDAE										
* <i>Acanthocorbis</i> Hara & Takahashi 1984										
* <i>apoda</i> (Leadbeater) Hara & Takahashi 1984	+	-	-	-	-	-	w	-	+	-
[<i>Acanthoecopsis apoda</i> Leadbeater 1972]										
* <i>asymmetrica</i> (Thomsen) Hara & Takahashi 1984	+	-	-	-	-	-	+	-	-	+
[<i>Acanthoecopsis asymmetrica</i> Thomsen 1979]										
[<i>Acanthoecopsis spiculifera</i> sensu Thomsen 1977]										
* <i>haurakiana</i> Thomsen in Thomsen, Buck & Chavez 1991	-	-	-	-	-	-	+	-	-	+
* <i>unguiculata</i> (Thomsen) Hara & Takahashi 1984	+	-	-	-	-	-	+	-	-	-
[<i>Acanthoecopsis unguiculata</i> Thomsen 1973]										
[? <i>Pseudomicrosportella ornata</i> Scagel & J.R. Stein 1961]										
* <i>sp.</i>	+	-	-	-	-	-	-	-	-	-
* <i>Acanthoeca</i> Ellis 1930										
* <i>brevipoda</i> Ellis 1930	+	-	-	-	-	-	-	-	-	-
* <i>spectabilis</i> Ellis 1930	+	-	-	-	-	-	+	-	-	-
* <i>Bicosta</i> Leadbeater 1978										
* <i>minor</i> (Reynolds) Leadbeater 1978	+	-	-	-	-	-	+	-	-	-
[<i>Salpingoeca minor</i> Reynolds 1976]										
[<i>Salpingoeca virgata</i> Parke & Leadbeater 1977]										
* <i>spinifera</i> (Thronsdon) Leadbeater 1978	+	-	-	-	-	-	-	-	-	-
[<i>Salpingoeca spinifera</i> Thronsdon 1970]										
* <i>Calliacantha</i> Leadbeater 1978										
* <i>natans</i> (Grøntved) Leadbeater 1978	+	-	+	+	-	-	+	-	+	+
[<i>Salpingoeca natans</i> Grøntved 1956]										
* <i>simplex</i> Manton & Oates 1979	+	-	-	-	-	-	+	-	-	-
* <i>Cosmoeca</i> Thomsen in Thomsen & Boonruang 1984										
* <i>norvegica</i> Thomsen in Thomsen & Boonruang 1984	+	-	-	-	-	-	-	-	-	-
* <i>ventricosa</i> Thomsen in Thomsen & Boonruang 1984	+	-	?	-	-	-	+	-	+	-
[<i>Parvicorbicula orcuiaeformis</i> aff. Thomsen 1976, 1979]										

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>Crinolina</i> Thomsen 1976										
* <i>isefiordensis</i> Thomsen 1976	+	-	-	-	-	-	-	-	-	-
* <i>Crucispina</i> Espeland in Espeland & Throndsen 1986										
* <i>cruciformis</i> Espeland in Espeland & Throndsen 1986 [<i>Salpingoeca cruciformis</i> Leadbeater 1974]	+	-	-	-	-	-	-	-	-	-
* <i>Diaphanoeca</i> Ellis 1930										
* <i>grandis</i> Ellis 1930	+	-	-	-	-	-	+	-	+	+
* <i>pedicellata</i> Leadbeater 1972	+	-	-	-	-	-	-	-	-	-
* <i>sphaerica</i> Thomsen 1982 [<i>Diaphanoeca pedicellata</i> auct.]	+	+	?	-	-	-	c	-	c	c
* <i>sp.</i>	+	+	-	-	+	-	-	-	+	-
* <i>Diplothea</i> Valkanov 1970										
* <i>costata</i> Valkanov 1970	+	-	-	-	-	-	+	-	-	-
* <i>Monocosta</i> Thomsen 1979										
* <i>fennica</i> Thomsen 1979	+	-	-	-	-	-	+	-	+	-
* <i>Nannoeca</i> Thomsen 1988										
* <i>minuta</i> (Leadbeater) Thomsen 1988 [<i>Pleurasiga minima</i> v. <i>minuta</i> Leadbeater 1972] [<i>Pleurasiga minima</i> (Leadbeater) Leadbeater in Manton <i>et al.</i> 1976]	+	-	-	-	-	-	-	-	-	-
* <i>Parvicorbicula</i> Deflandre 1960										
* <i>circularis</i> Thomsen 1976	+	-	?	-	-	-	+	-	+	-
* <i>quadricostata</i> Throndsen 1970	+	-	-	-	-	-	-	-	-	-
* <i>socialis</i> (Meunier) Deflandre 1960 [<i>Corbicula socialis</i> Meunier 1910]	+	-	-	-	-	-	-	-	-	?
* <i>sp.</i>	-	-	-	-	-	-	+	-	+	+
* <i>Platypleura</i> Thomsen in Thomsen & Boonruang 1983										
* <i>infundibuliformis</i> (Leadbeater) Thomsen in Thomsen & Boonruang 1983 [<i>Parvicorbicula infundibuliformis</i> Leadbeater 1974]	+	-	-	-	-	-	-	-	-	-
* <i>Pleurasiga</i> Schiller 1925										
* <i>minima</i> Throndsen 1970	+	-	-	-	-	-	-	-	-	-
* <i>reynoldsii</i> Throndsen 1970	+	-	-	-	-	-	-	-	-	-
* <i>Polyfibula</i> Manton in Manton & Bremer 1981										
* <i>sphyrelata</i> (Thomsen) Manton in Manton & Bremer 1981 [<i>Pleurasiga sphyrelata</i> Thomsen 1973] [<i>Campanoeca dilatata</i> Throndsen 1974]	+	-	-	-	-	-	+	-	-	+
* <i>Saroeca</i> Thomsen 1979										
* <i>attenuata</i> Thomsen 1979	c	-	-	-	-	-	c	-	-	-
* <i>Savillea</i> Loeblich III 1967										
* <i>micropora</i> (Norris) Leadbeater 1975 [<i>Pleurasiga micropora</i> Norris 1965]	+	-	-	-	-	-	+	-	-	+



	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>parva</i> (Ellis) Loeblich III 1967 [<i>Diaphanoeca parva</i> Ellis 1930] [<i>Ellisiella parva</i> (Ellis) Norris 1965]	+	—	—	—	—	—	+	—	—	—
* <i>Stephanoeca</i> Ellis 1930										
* <i>apheles</i> Thomsen, Buck & Chavez 1991	+	—	—	—	—	—	+	—	—	+
* <i>cupula</i> (Leadbeater) Thomsen 1988 [<i>Pleurasiga cupula</i> Leadbeater 1972]	+	—	—	—	—	—	—	—	—	—
* <i>diplocostata</i> Ellis 1930										
* <i>v. diplocostata</i> [<i>Stephanoeca pedicellata</i> Leadbeater 1972]	+	—	—	—	—	—	—	—	—	?
* <i>v. paucicostata</i> Throndsen 1969	+	—	—	—	—	—	+	—	—	—
* <i>elegans</i> (Norris) Throndsen 1974 [<i>Pleurasiga elegans</i> Norris 1965]	+	—	—	—	—	—	—	—	—	—
* <i>norrisii</i> Thomsen 1973 [<i>Sportelloeca kentii</i> (Ellis) Norris 1965] [non <i>Sportelloeca kentii</i> sensu Ellis 1930]	+	—	—	—	—	—	—	—	—	—
* <i>urnula</i> Thomsen 1973	+	—	—	—	—	—	CW	—	—	+

Class Ebriidea

Order EBRIIDA (ICBN: EBRIALES)

**Ebria* Borgert 1891

**tripartita* (Schumann) Lemmermann 1900 (?1901)

[*Dictyocha tripartita* Schumann 1867]

[*Dictyocha fornix* Möbius 1887]

[*Ebria fornix* (Möbius) Borgert 1891]

CW	CW	CW	CW	CW	CW	CW	CW	CW	CW	CW
----	----	----	----	----	----	----	----	----	----	----

Class Kinetoplastidea

Order KINETOPLASTIDA

**Bodo* Ehrenberg 1832

**curvifilus* Griessmann 1913

**designis* Skuja 1948

**ovatus* (Dujardin) Stein 1878

[*Heteromita ovata* Dujardin 1838]

**saliens* Larsen & Patterson 1990

**saltans* Ehrenberg 1832

[*Pleuromonas jaculans* Perty 1852]

**sp.*

+	—	—	—	—	—	+	—	—	—	—
+	—	—	—	—	—	+	—	—	—	—
—	—	—	—	—	—	—	—	—	—	+
+	—	—	—	—	—	+	—	—	—	—
+	—	—	—	—	—	+	—	—	—	—
+	—	—	—	—	—	—	—	—	+	+

[illegible]

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>Katablepharis</i> Skuja 1939 (ICZN: <i>Kathablepharis</i>)										
* <i>ovalis</i> Skuja 1948	–	+	+	+	–	–	+	+	+	+
* <i>remigera</i> (Vørs) Clay & Kugrens 1999 [<i>Leucocryptos remigera</i> Vørs 1992]	+	–	–	–	–	–	+	–	–	+
* <i>sp.</i>	–	–	–	–	–	–	f	–	+	–
* <i>Kiitoksia</i> Vørs 1992 (ICZN)										
* <i>ystava</i> Vørs 1992	+	–	–	–	–	–	+	–	–	–
* <i>Leucocryptos</i> Butcher 1967										
* <i>marina</i> (Braarud) Butcher 1967 [<i>Bodo marina</i> Braarud 1935] [<i>Chilomonas marina</i> Halldal 1953]	+	+	+	–	–	–	+	–	–	–
* <i>Luffisphaera</i> Belcher & Swale 1975										
* <i>cucumiformis</i> Belcher & Swale 1975	–	–	–	–	–	–	+	–	–	–
* <i>longihastis</i> Vørs 1992	?	–	–	–	–	–	–	–	–	–
* <i>myosurus</i> Belcher & Swale 1975	–	–	–	–	–	–	+	–	–	–
* <i>"striata"</i> Thomsen <i>nom. ined., in</i> Vørs 1992	+	–	–	–	–	–	–	–	–	–
* <i>turriiformis</i> Vørs 1992	+	–	–	–	–	–	–	–	–	–
* <i>"sp. B"</i> Belcher & Swale 1975	–	–	–	–	–	–	+	–	–	–
* <i>Metopion</i> Larsen & Patterson 1990										
* <i>fluens</i> Larsen & Patterson 1990	+	–	–	–	–	–	+	–	–	–
* <i>Metromonas</i> Larsen & Patterson 1990										
* <i>simplex</i> (Griessmann) Larsen & Patterson 1990 [<i>Phyllomonas simplex</i> Griessmann 1913]	+	–	–	–	–	–	+	–	–	–
* <i>Percoiomonas</i> Fenchel & Patterson 1986										
* <i>cosmopoiitus</i> (Ruinen) Fenchel & Patterson 1986 [<i>Tetramitus cosmopolitus</i> Ruinen 1938]	+	–	–	–	–	–	–	–	–	–
* <i>cuspidata</i> Larsen & Patterson 1990	+	–	–	–	–	–	–	–	–	–
* <i>Phyllomit</i> Stein 1878										
* <i>granulatus</i> Larsen & Patterson 1990	+	–	–	–	–	–	–	–	–	–
* <i>Postgaardi</i> Fenchel <i>et al.</i> 1995										
* <i>mariagerensis</i> Fenchel <i>et al.</i> 1995	+	–	–	–	–	–	–	–	–	–
* <i>Quadricilia</i> Vørs 1992										
* <i>rotundata</i> (Skuja) Vørs 1992 [<i>Tetramitus rotundatus</i> Skuja 1948] [<i>Collodictyon sphaericum</i> Norris 1964]	+	–	–	–	–	–	+	–	–	+
* <i>Telonema</i> Griessmann 1913										
* <i>"antarctica"</i> Thomsen <i>nom. ined., in</i> Vørs 1992	+	–	–	–	–	–	–	–	–	–
* <i>subtile</i> Griessmann 1913	+	–	–	–	–	–	+	+	+	+
* <i>Tetradimorpha</i> Hsiung 1927										
* <i>marina</i> Fenchel <i>et al.</i> 1995	+	–	–	–	–	–	–	–	–	–

	KB	AB	SB	CB	NB	GR	GF	AS	BS	BB
* <i>Trichonema</i> Fromentel 1872										
* <i>gracile</i> Möbius 1888	+	–	–	–	–	–	–	–	–	–
Family APUSOMONADIDAE										
* <i>Amastigomonas</i> De Saedeleer 1931										
* <i>debruynei</i> De Saedeleer 1931	+	–	–	–	–	–	+	–	–	–
[<i>Thecamonas trahens</i> Larsen & Patterson 1990]										
* <i>mutabilis</i> (Griessmann) Molina & Nerad 1991	+	–	–	–	–	–	+	–	–	–
[<i>Rhynchomonas mutabilis</i> Griessmann 1913]										
[<i>Thecamonas mutabilis</i> (Griessmann) Larsen & Patterson 1990]										
Family THAUMATOMASTIGIDAE (ICBN: THAUMATOMASTIGACEAE)										
* <i>Protaspis</i> Skuja 1939										
* <i>glans</i> Skuja 1939	+	–	–	?	–	?	+	–	–	–
* <i>simplex</i> Vørs 1992	+	–	–	–	–	–	+	–	–	–
* <i>verrucosa</i> Larsen & Patterson 1990	+	–	–	–	–	–	+	–	–	–
*sp.	–	–	–	–	–	–	+	–	+	+
* <i>Thaumatomastix</i> Lauterborn 1899										
* <i>bipartita</i> Beech & Moestrup 1986	+	–	–	–	–	–	?	–	–	–
* <i>dybsoeana</i> Thomsen <i>et al.</i> 1993	+	–	–	–	–	–	–	–	+	+
* <i>formosa</i> Thomsen <i>et al.</i> 1993	+	–	–	–	–	–	–	–	–	–
* <i>patelliformis</i> (Takahashi & Hara) Beech & Moestrup 1986	+	–	–	–	–	–	–	–	–	?
[<i>Chrysosphaerella patelliformis</i> Takahashi & Hara 1984]										
[<i>Spiniferomonas patelliformis</i> (Takahashi & Hara) Nicholls 1984]										
*"punctata" Thomsen <i>nom. ined.</i> , in Vørs 1992	–	–	–	–	–	–	+	–	–	–
* <i>sagittifera</i> (Conrad) Beech & Moestrup 1986	+	–	–	–	–	–	–	–	–	–
[<i>Reckertia sagittifera</i> Conrad 1920]										
* <i>salina</i> (Birch-Andersen) Beech & Moestrup 1986	+	+	–	–	–	+	+	–	+	+
[<i>Chrysosphaerella salina</i> Birch-Andersen 1973]										
[<i>Spiniferomonas salina</i> Nicholls 1984]										
* <i>spinosa</i> Thomsen <i>et al.</i> 1993	+	–	–	–	–	–	–	–	–	–
* <i>triangulata</i> (Balonov) Beech & Moestrup 1986	+	–	–	–	–	–	+	–	–	?
[<i>Chrysosphaerella triangulata</i> Balonov 1980]										
* <i>tripus</i> (Takahashi & Hara) Beech & Moestrup 1986	+	–	–	–	–	–	–	–	–	–
[<i>Chrysosphaerella tripus</i> Takahashi & Hara 1984]										
[<i>Spiniferomonas tripus</i> (Takahashi & Hara) Nicholls 1984]										
Order CERCOMONADIDA										
* <i>Cercomonas</i> Dujardin 1841										
*sp. Vørs 1992	+	–	–	–	–	–	–	–	–	–
* <i>Maissisteria</i> Larsen & Patterson 1990										
* <i>marina</i> Larsen & Patterson 1990	+	–	–	–	–	–	+	–	–	–

- (1) The distribution of *Aphanocapsa reinboldii* should be reinvestigated. Recent determinations are mostly based on Pankow's (1976, 1990) wide concept of *Microcystis reinboldii*, which includes *A. delicatissima*, *A. elachista*, *A. holsatica*, *A. incerta*, *A. planctonica* and *Microcystis stagnalis*. The real *A. reinboldii* is a halophilic benthic species mainly living on sandy bottoms (Lindstedt 1943, Komárek & Anagnostidis 1999), and occurs but accidentally in the plankton.
- (2) Requires taxonomic reinvestigation.
- (3) According to Komárek & Anagnostidis (1999) and Komárek (*pers. comm.*) *Aphanocapsa elachista* mainly occurs in the tropics, and the records from the Baltic Sea probably represent another species.
- (4) The determination needs confirmation.
- (5) According to Komárek & Anagnostidis (1999) and Komárek (*pers. comm.*) the real *Aphanocapsa rivularis* is epi- or endolithic on or in limestone or shells in clean running freshwater, particularly in limestone mountains. Determinations from Baltic Sea plankton are most probably erroneous.
- (6) According to Komárek & Anagnostidis (1999) and Komárek (*pers. comm.*) *Aphanothece castagnei* is an exclusively aerophytic or subaerophytic species growing on wet rocks and mosses, being common particularly in mountains. Records from Baltic Sea plankton are evidently incorrect. Finds with the correct morphology in Baltic Sea near-shore pleuston should be referred to as *Aphanothece* cf. *castagnei* until a detailed taxonomical investigation of the material has been made.
- (7) *Aphanothece stagnina* is very abundant in certain only slightly brackish rock pools in the northern Baltic Sea (Hällfors 1984:38), and can conceivably be washed into the sea during heavy rains.
- (8) According to Komárek & Anagnostidis (1999) and Komárek (*pers. comm.*) *Chroococcus cohaerens* is a subaerophytic species whose occurrence in the plankton of the Baltic Sea is improbable.
- (9) See Cronberg & Komárek 1994:342.
- (10) According to Komárek & Anagnostidis (1999:34, 107) *Dactylococcopsis raphidioides* Hansgirg 1888 is a green alga; sensu G.M. Smith 1920 is a synonym of *Rhabdogloea smithii* (R. & F. Chodat) Komárek 1983.
- (11) Known from the Baltic Sea according to Komárek & Anagnostidis (1999).
- (12) According to Komárek & Anagnostidis (1999) and Komárek (*pers. comm.*) *Rhabdogloea ellipsoidea* is probably distributed only in swamps of the tropical zone. The record is probably *R. smithii*.
- (13) Given by Komárek & Anagnostidis (1999:107) for the "eastern Baltic Sea".
- (14) Obligate epiphyte; occasionally found in coastal waters on drifting filaments of littoral algae.
- (15) Systematic position uncertain.
- (16) According to Pankow (1976, 1990) recorded once in the Gulf of Gdańsk.
- (17) The species of *Oscillatoria* which Anagnostidis & Komárek (1988) transferred to *Phormidium* includes *Oscillatoria tenuis*. They did not take into account, however, that the new combination was illegitimate because of the existence of an older *Phormidium tenue* which they had transferred to the genus *Leptolyngbya* earlier in the same article. Thus *Oscillatoria tenuis* needs a new name in the genus *Phormidium*:

Phormidium neotenue G. Hällfors *nom. nov.*

Basionym: *Oscillatoria tenuis* C.A. Agardh ex Gomont. Annales des Sciences Naturelles.

Septième Série. Botanique, 16, p. 220-221, pl. 7, figs 2-3, 1892.

Synonym: *Phormidium tenue* (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988:406 *nom. illeg.*

Non: *Phormidium tenue* Gomont Annales des Sciences Naturelles. Septième Série.

Botanique, 16:169, pi. 4, figs 23-25, 1892.

= *Leptolyngbya tenuis* (Gomont) Anagnostidis & Komárek 1988:393.

- (18) The combination *Anabaena longicellularis* (Pankow) Komárková-Legnerová & Eloranta 1992 is invalid because a full and direct reference to the original publication of the basionym is not given (ICBN Art. 33.2). It should have been done like this:

***Anabaena longicellularis* (Pankow) comb. nov.**

Basionym: *Anabaena spiroides* var. *longicellularis* Pankow, Limnologica (Berlin) 8(2), p. 164, fig. 1 p. 165, 1965.

- (19) In coastal saline pools (Komárek & Hindák 1988)
- (20) According to Komárek (*pers. comm.*) found in the coastal waters of northern Germany.
- (21) See Janson *et al.* (1994).
- (22) Main occurrence in rock-pools in the northern Baltic Sea (Droop 1953, Hällfors 1984).
- (23) *Nodularia harveyana* is a benthic species which is occasionally found secondarily in very small amounts in coastal plankton. It is occasionally more abundant in brackish-water rock-pools (Hällfors 1984, Wærn 1952).
- (24) Reported by Pankow (1990) for the whole Baltic Sea.
- (25) Recorded from the sea only without akinetes. Akinete formation is at times abundant in certain brackish-water rock-pools (Hällfors 1984). See also Wærn (1952:35).
- (26) According to Hill (1991) closely related to the genus *Campylomonas*.
- (27) *Rhodomonas lacustris* v. *lacustris* and v. *nannoplanktica* are freshwater flagellates which hardly are competitive in brackish water of salinity higher than ca. 2 ‰. Reportings of these taxa from areas of higher salinity (e.g. Pankow 1990, Willén 1995) are apparently misidentifications of *Teleaulax amphioxeia* respectively *Plagioselmis prolunga*.
- (28) The determinations of *Prorocentrum micans* from the northern parts of the Baltic Sea should be checked. The cells are wider and shorter than typical *P. micans* in the Kattegat and the Belt Sea area, the Arkona Basin, and the Southern Baltic proper. Tenson (1995) refers to this type as *P. scutellum*.
- (29) According to Lebour (1925).
- (30) The taxonomic status of *Dinophysis dens* is uncertain. It is possibly only a stage in the life cycle of *D. acuta* (Hansen & Larsen 1992).
- (31) *Dinophysis acuta* has frequently been confused with *D. norvegica*. Therefore records of *D. acuta* north of the central Baltic Sea are very dubious.
- (32) According to Dodge (1982) *Dinophysis tripos* Gourret 1883 is a synonym of *Dinophysis caudata* Saville-Kent 1881.
- (33) See Willén (1995).
- (34) According to Pankow (1976) to the Darss threshold.
- (35) So far only benthic cysts have been observed (Nehring 1993, 1994).
- (36) The combination *Gyrodinium fissum* (Levander) Kofoed & Swetzy 1921 is illegitimate because it is based on a type different from Levander's *Gymnodinium fissum*.

Levander's type has clearly visible yellowish-green to brown-green chloroplasts. Levander saw a faint striation in some individuals, but apparently not in the cell he based the iconotype on, as he did not draw them (Levander 1894, pl. 2, figs 5–8). The sulcus continues into the epitheca as a narrow slit (Levander 1894:44). Actually, it soon divides into two fine lines which run on both sides of the apex, to be joined on the dorsal side (own observations on material from the Gulf of Finland 90 km WSW of the type locality). Perhaps these lines caused Levander to write about striation? Cells are as a rule laterally more or less compressed ("... in der Regel seitlich mehr [oder] weniger comprimirt..."), sometimes round in cross section, occasionally dorso-ventrally compressed.

Gyrodinium fissum Kofoed & Swezy 1921 on the other hand, is practically colourless with "pale green rodlets". If *Gymnodinium fissum* Levander 1894 is transferred to *Gyrodinium*, the oldest available valid name seems to be *Gyrodinium pavillardii* Biecheler 1952.

- (37) Spelled "*galathrata*" in Willén (1995).
- (38) Popovský & Pfiester 1990 included *Wołoszyńska hiemale* together with several other species in the synonymy of an improbably variable *W. pascheri*.
- (39) Recorded by Keskitalo & Ilus (1977) from the Loviisa archipelago in the central Gulf of Finland. This is most probably a misidentification.
- (40) Main occurrence in rockpools and coastal lagoons with much decaying organic matter. Only accidentally in coastal plankton.
- (41) The genus *Glenodinium* is a "wastebasket" for species with thin theca and unknown or imperfectly known plate arrangement. When studied properly, most species probably should be transferred to other genera.
- (42) Most probably a misidentification of an undescribed species (in the northern Baltic Sea).
- (43) Samples from the inner Baltic Sea with large-celled *Protopteridinium brevipes* should be checked for the presence of *P. conicoides*.
- (44) One cell observed by Hansen & Larsen (1992) in the northern Kattegat.
- (45) Pankow (1990).
- (46) According to Hansen & Larsen (1992) all Danish specimens from Kattegat and the Belt Sea area belong to v. *latidorsale* Dangeard (1927), considered by Balech (1951, 1974, 1988) to be a separate species, *Protopteridinium latidorsale* (Dangeard) Balech (1974).
- (47) According to Edler *et al.* (1984).
- (48) Levander's (1908) report of *Peridinium roseum* from the Bothnian Sea should probably be referred to *Protopteridinium pellucidum* which occurred in the same sample. At that time the two species were difficult to separate, being of about the same size and general shape (*cf.* Paulsen 1908). There are no reliable known records of *Protopteridinium* (*Peridinium*) *roseum* east of the Sound (Øresund, Öresund) from where Christensen *et al.* (1985) cited a record for the species.
- (49) Given by Rumeck (1948) for the Gulf of Gdańsk.
- (50) *Dictyosphaera tubifer* and *Papposphaera lepida* are hardly distinguishable with LM (Tangen 1972).
- (51) The record for the Gulf of Finland is based on single scales only.
- (52) According to Pankow (1976) recorded from the Kiel harbour.
- (53) The confident determination of several apparently common and widespread species requires TEM of sectioned material (*cf.* Green 1980).
- (54) Systematic position controversial. For instance, Starmach (1985) refers the genus *Chrysidiastrium* together with *Chrysarachnion* to the family Chrysarachniaceae Matvienko 1965 in the order Chrysarachniales Starmach 1980 in the subclass Acontochrysophycidae Bourrelly 1968. Christensen (1980–1994) does not mention *Chrysidiastrium*, but places *Chrysarachnion* together with *Rhizochrysis* in the family Rhizochrysidaceae in the order Ochromonadales.
- (55) The record is based on the observation of single scales only.
- (56) See Preisig *et al.* (1991:372–373).
- (57) Has been suggested as a class of its own, Pedinellophyceae, or to be included in the Dictyochophyceae, *cf.* Christensen (1980–1994).
- (58) *Actinomonas mirabilis* and *Pteridomonas danica* appear to be virtually impossible to distinguish without TEM of thin sections (Vørs 1992).
- (59) For synonyms, see Asmund & Kristiansen (1986).
- (60) Living cells found by the present author in abundance under the ice in the Pojo Bay in spring.
- (61) Especially in the older literature this species has been comprehended in a wide sense, including several other species of the genus. Thus *Synura uvella* Ehrenberg is now equivalent to *Synura* sp. The structure of the scales in most cases needs to be known for a correct species determination to be possible.

- (62) Records of *Chaetoceros borealis* from the Gulf of Finland probably represent *C. impressus*.
- (63) Records of *Chaetoceros compressus* from Scandinavian waters probably represent misidentified *Chaetoceros contortus*. The real *C. compressus* Lauder is a warm-water species, see Jensen & Moestrup (1998).
- (64) *Coscinodiscus granii* is by far the most common and abundant of the large *Coscinodiscus*-like species in the Baltic Sea. Until recently, however, it has usually been misidentified as *C. asteromphalus* and/or *C. oculus-iridis*, especially by geologists. Thus the distribution of these species may contain an element of error.
- (65) Pankow (1976, 1990) gives *Coscinodiscus granulatus* (Grunow) Grunow (syn. *Odontodiscus granulatus* Grunow) for the whole Baltic Sea. This record is certainly erroneous, and the identity of the species is in doubt. See also Cleve-Euler (1951:70).
- (66) Ringer (1973), Borysiak (1977).
- (67) A chain of two and a half dead cells has been observed (Niemi & Hällfors 1974), probably introduced with ballast water. *G. cyindrus* is an oceanic warm water species.
- (68) See Crawford (1975).
- (69) Records of *Thalassiosira decipiens* should be checked for *T. angulata* (Gregory) Hasle, see Hasle (1978, 1979), Hasle & Syvertsen (1996). The illustrations of *T. decipiens* in Hustedt (1928) and Cleve-Euler (1942, 1951) are actually *T. angulata*.
- (70) *Thalassiosira proschkiniae* was recorded as *T. levanderi* by Zernova & Shevchenko (2001).
- (71) See Hartley (1986:596)
- (72) ***Amphiprora pseudoduplex* (Osada & Kobayasi) comb. nov.**
 Basionym: *Entomoneis pseudoduplex* Osada & Kobayasi. Proceedings of the Tenth International Diatom Symposium, Joensuu, Finland, August 28–September 2, 1988. (ed. H. Simola). Koeltz Scientific Books, Koenigstein 1990, p. 165–166, figs. 4, 5, 32–42.
 Holotype: H.K. T-90 in coll. H. Kobayasi.
- (73) Orthography grammatically corrected by Christensen *et al.* (1985).
- (74) *Fragilaria istvanffy* Pantocsek 1902 is probably closely related.
- (75) I am not aware of whether the variety has been combined into the genus *Fragilariforma*.
- (76) See Krammer & Lange-Bertalot (1986).
- (77) May belong to the genus *Aneumastus* D.G. Mann in Round *et al.* (1990).
- (78) See Mölder & Tynni (1966), Tynni (1980), and also Krammer & Lange-Bertalot (1988).
- (79) In the Baltic Sea *Nitzschia paleacea* frequently forms stellate colonies in summer. They occur independently in the plankton, but are occasionally very abundant as epiphytes on *Nodularia*. In the past there has been confusion with other species forming similar stellate colonies.
- (80) Erroneous determination in Edler *et al.* (1984).
- (81) I am not aware of whether the variety has been combined into the genus *Pseudostaurosira*.
- (82) Halme & Mölder (1958).
- (83) I am not aware of whether the variety has been combined into the genus *Staurosira*.
- (84) Andrén (1999).
- (85) I am not aware of whether the variety has been combined into the genus *Staurosirella*.
- (86) In the Baltic Sea, most probably misidentified stellate colonies of *Nitzschia paleacea*.
- (87) See Niemi & Hällfors (1974), Tynni (1978), and Paddock (1988:98).
- (88) *Tetraëdron plancticum* G.M. Smith 1916 probably belongs in the genus *Pseudostaurastrum*.
- (89) *Nannochloropsis* sp. in G. & S. Hällfors (1992) has proven to be a green alga, most probably *Nannochloris atomus* Butcher 1952.
- (90) The order Chattonellales includes expanding toxic species which are expected to reach the Baltic Sea in the near future.

- (91) According to Kukk (*pers. comm.*) *Trichodesmium lacustre* is a stage in the life cycle of *Gloeotrichia echinulata*.
- (92) The species *Rhodella maculata* Evans 1970 regularly occurs in the Oslo Fjord and has occasionally been found in the Skagerrak. It probably also occurs in the Kattegat but no published records have yet been found.
- (93) May belong to the genus *Pteroncola*.
- (94) These two species are so difficult to separate that the distribution data are unreliable. In addition *T. quadrisepata* should be taken into account as well.
- (95) *Pyramimonas* species have until recently often been referred to as *Carteria marina*, *Carteria* sp. or *Carteria* spp.
- (96) Most records of *Carteria* appear to be misidentified *Pyramimonas* and *Tetraselmis* species.
- (97) Sterile, accidentally planktonic filaments can generally not be determined to the species.
- (98) Mentioned by Üselytė (1961).
- (99) In all areas probably several species are present which need to be worked out.
- (100) For additional synonyms, see Hegewald (2000).
- (101) *Dictyosphaerium pulchellum* and *D. tetrachotomum* have frequently been confused in samples from the Baltic Sea. When dividing cells are present, they usually show the characteristic features of *D. tetrachotomum* (*cf.* Komárek & Fott 1983:348–349).
- (102) Found in the Skagerrak according to Kuylenstierna & Karlson (1998), I have found it in samples from almost the whole Baltic Sea since the 1970s.
- (103) Reported by Pankow (1990) from brackish water bays of the Baltic Sea.
- (104) Apparently belongs to the genus *Desmodesmus*.
- (105) Hegewald *et al.* (1988).
- (106) According to Elbrächter (2002).
- (107) Erroneously spelled "*biconstricta*" in Mölder & Tynni (1966).
- (108) *Scenedesmus apiculatus* (W. & G.S. West) R. Chodat 1926 apparently needs a new name.
- (109) *Chaetoceros danicus* and *C. simiis* are frequently confused (*e.g.* Balode in Snoeijs 1993). In *C. danicus* the bristles have spines, and seen along the perivalvar axis the bristles of the two cell halves diverge by some 40–60 degrees. In *C. simiis* the bristles are almost parallel, usually of slightly different length, located in the same focal plane, and appear to be spineless in light-microscopical water preparations. Both species usually occur as single or twin cells.

References to the annotations

- Anagnostidis, K. & Komárek, J. 1988: Modern approach to the classification system of cyanophytes. 3 – Oscillatoriales. – Archiv für Hydrobiologie Supplementband 80(1–4) (Algological Studies 50–53):327–472.
- Andrén, E. 1999: Changes in the composition of the diatom flora during the last century indicate increased eutrophication of the Oder estuary, south-western Baltic Sea. – Estuarine, Coastal and Shelf Science 48:665–676.
- Asmund, B. & Kristiansen, J. 1986: The genus *Mallomonas* (Chrysophyceae). – Opera Botanica 85:1–128.
- Balech, E. 1951: Deuxième contribution à la connaissance des Peridinium. – Hydrobiologia 3:305–330.
- Balech, E. 1974: El genero "Protoperidinium" Bergh, 1881 ("Peridinium" Ehrenberg, 1831 partim). Revista Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" e Instituto Nacional de Investigacion de las Ciencias Naturales, Hidrobiologia 4(1):1–79.
- Balech, E. 1988: Los Dinoflagelados del Atlantico sudoccidental. – Publicaciones Especiales del Instituto Espanol de Oceanografia (Madrid) 1:1–310.

- Biecheler, B. 1952 (†): Recherches sur les Péridiniens. – Bulletin Biologique de France et de Belgique, Supplement 36:I–VI, 1–149.
- Borysiak, M. 1977: Skład jakościowy fitoplanktonu południowego Bałtyku w latach 1971–1974. [Summary: Qualitative composition of phytoplankton of the southern Baltic in 1971–1974.] – Studia i Materiały Seria A, 19:5–24. (in Polish).
- Christensen, T. 1980–1994: Algae. A taxonomic survey. – AiO Print Ltd., Odense. 472 pp.
- Christensen, T., Koch, C. & Thomsen, H.A. 1985: Distribution of algae in Danish salt and brackish waters. – University of Copenhagen. 64 pp.
- Cleve-Euler, A. 1942: Coscinodisci et Thalassiosirae Fennosueciae. Eine kritische Übersicht. – Botaniska Notiser 1942:231–278.
- Cleve-Euler, A. 1951: Die Diatomeen von Schweden und Finnland. I. – Kungliga Svenska Vetenskapsakademiens Handlingar, 4. Ser., 2(1):1–163, 56 pis.
- Crawford, R.M. 1975: The taxonomy and classification of the diatom genus *Melosira* C.Ag. I. The type species *M. nummuloides* C.Ag. – British Phycological Journal 10:323–338.
- Cronberg, G. & Komárek, J. 1994: Planktic cyanoprokaryotes found in south Swedish lakes during the XIIth International Symposium on Cyanophyte Research, 1992. – Archiv für Hydrobiologie, Supplementband 105 (Algological Studies 75):323–352.
- Dangeard, P. 1927: Notes sur la variation dans le genre *Peridinium*. – Bulletin de l'Institut Océanographique 507:1–16.
- Dodge, J.D. 1982: Marine dinoflagellates of the British Isles. – Her Majesty's Stationery Office, London. 303 pp.
- Droop, M.R. 1953: On the ecology of flagellates from some brackish and freshwater rock-pools of Finland. – Acta Botanica Fennica 51:1–52.
- Edler, L., Hällfors, G. & Niemi, Å. 1984: A preliminary check-list of the phytoplankton of the Baltic Sea. – Acta Botanica Fennica 128:1–26.
- Elbrächter, M. 2002: Incomplete Check-list of freeliving, recent Dinophyceae of the Baltic Sea. First draft 06. September 2002. 71 pp. (Used by permission of the author).
- Green, J.C. 1980: The fine structure of *Pavlova pinguis* Green and a preliminary survey of the order Pavloales (Prymnesiophyceae). – British Phycological Journal 15:151–191.
- Hällfors, G. 1984: Filamentous rock-pool algae in the Tvärminne archipelago, S. coast of Finland, – Acta Botanica Fennica 126:1–111.
- Hällfors, G. & Hällfors, S. 1992: The Tvärminne collection of algal cultures. – Tvärminne Studies 5:15–17.
- Halme, E. & Mölder, K. 1958: Planktologische Untersuchungen in der Pojo-Bucht und angrenzenden Gewässern. III. Phytoplankton. – Annales Botanici Societatis Zoologicae-Botanicae Fennicae Vanamo 30(3):1–71.
- Hansen, G. & Larsen, J. 1992: Dinoflagellater i danske farvande. – In: Thomsen, H.A. (ed.), Plankton i de indre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat, pp. 45–155. Miljøministeriet Miljøstyrelsen, København.
- Hartley, B. 1986: A check-list of the freshwater, brackish and marine diatoms of the British Isles and adjoining coastal waters. – Journal of the Marine Biological Association of the United Kingdom 66:531–610.
- Hasle, G.R. 1978: Some *Thalassiosira* species with one central process (Bacillariophyceae). – Norwegian Journal of Botany 25:77–110.
- Hasle, G.R. 1979: *Thalassiosira decipiens* (Grun.) Jørg. (Bacillariophyceae). – Bacillaria 2:85–108.
- Hasle, G.R. & Syvertsen, E.E. 1996: Marine diatoms. – In: Tomas, C.R. (ed.), Identifying marine diatoms and dinoflagellates, pp. 5–385. Academic Press.
- Hegewald, E. 2000: New combinations in the genus *Desmodesmus* (Chlorophyceae, Scenedesmaceae). – Archiv für Hydrobiologie Supplementband 131 (Algological Studies 96):1–18.

- Hegewald, E., Engelberg, K.E. & Paschma, R. 1988: Beitrag zur Taxonomie der Gattung *Scenedesmus* Subgenus *Scenedesmus* (Chlorophyceae). – *Nova Hedwigia* 47(3–4):497–533.
- Hill, D.R.A. 1991: A revised circumscription of *Cryptomonas* (Cryptophyceae) based on examination of Australian strains. – *Phycologia* 30:170–188.
- Hustedt, F. 1928: Die Kieselalgen Deutschlands, Österreichs und der Schweiz mit Berücksichtigung der übrigen Länder Europas sowie der angrenzenden Meeresgebiete. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz. Band VII, Teil 1, Lief. 2:273–464 Akademische Verlagsgesellschaft, Leipzig.
- Janson, S., Carpenter, E.J. & Bergman, B. 1994: Fine structure and immunolocalisation of proteins in *Aphanizomenon* sp. from the Baltic Sea. – *European Journal of Phycology* 29:203–211.
- Jensen, K.G. & Moestrup, Ø. 1998: The genus *Chaetoceros* (Bacillariophyceae) in inner Danish coastal waters. – *Opera Botanica* 133:1–68.
- Keskitalo, J. & Ilus, E. 1977: Kasviplanktonlajisto- ja biomassa Loviisan Hästholmenia ympäröivällä merialueella vuonna 1971. – Säteilyturvallisuuslaitos, Raportti, 14 pp., 6 tables, 14 figs. (Mimeographed)
- Kofoed, C.A. & Swezy, O. 1921: The free-living unarmored Dinoflagellata. – *Memoirs of the University of California* 5:I–VIII, 1–562, pls 1–2.
- Komárek, J. & Anagnostidis, K. 1989: Modern approach to the classification system of cyanophytes 4 – Nostocales. – *Archiv für Hydrobiologie, Supplementband* 82(3) (Algological Studies 56):247–345.
- Komárek, J. & Anagnostidis, K. 1999: Cyanoprocaryota 1. Teil: Chroococcales. – *Süßwasserflora von Mitteleuropa* 19/1:I–VI, 1–548.
- Komárek, J. & Fott, B.† 1983: Das Phytoplankton des Süßwassers. Systematik und Biologie. 7. Teil, 1. Hälfte. Chlorophyceae (Grünalgaen). Ordnung: Chlorococcales. – *Die Binnengewässer* 16(7,1):I–VII, 1–1044.
- Komárek, J. & Hindák, F. 1988: Taxonomic review of natural populations of the cyanophytes from the Gomphosphaeria-complex. – *Archiv für Hydrobiologie, Supplementband* 80(1–4) (Algological Studies 50–53):203–225.
- Komárková-Legnerová & Eloranta 1992: Planktic blue-green algae (Cyanophyta) from Central Finland (Jyväskylä region) with special reference to the genus *Anabaena*. – *Archiv für Hydrobiologie, Supplementband* 95 (Algological Studies 67):103–133.
- Krammer, K. & Lange-Bertalot, H. 1986: Bacillariophyceae. 1. Teil: Naviculaceae. – *Süßwasserflora von Mitteleuropa* 2/1:I–XVI, 1–876.
- Krammer, K. & Lange-Bertalot, H. 1988: Bacillariophyceae. 2. Teil: Bacillariaceae, Epithemiaceae, Surirellaceae. – *Süßwasserflora von Mitteleuropa* 2/2:I–XI, 1–596.
- Krammer, K. & Lange-Bertalot, H. (Unter Mitarbeit von Håkansson, H. & Nörpel, M.) 1991: Bacillariophyceae. 3. Teil: Centrales, Fragilariaceae, Eunotiaceae. – *Süßwasserflora von Mitteleuropa* 2/3:I–XIII, 1–576.
- Kuylénstierna, M. & Karlsson, B. 1998: *Quadricoccus euryhalinicus* sp. nov. (Botryococcaceae, Chlorophyceae), an euryhaline green alga from the Skagerrak, northeast Atlantic Ocean. – *Botanica Marina* 41:317–320.
- Lebour, M.V. 1925: The dinoflagellates of northern seas. – The Marine Biological Association of the United Kingdom, Plymouth. Pp. I–VII, 1–250.
- Levander, K.M. 1894: Materialien zur Kenntnis der Wasserfauna in der Umgebung von Helsingfors, mit besonderer Berücksichtigung der Meeresfauna. I. Protozoa. – *Acta Societatis pro Fauna et Flora Fennica* 12(2):1–115, 3 pls.
- Levander, K.M. 1908: November 1906: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1906–1907. Part D, November 1906:D40–D43.

- Lindstedt, A. 1943: Die Flora der marinen Cyanophyten der schwedischen Westküste. – Lund, 121 pp.
- Mölder, K. & Tynni, R. 1966: Diatomeen im Plankton bei der Stadt Helsinki und in der Stromschnelle Putaankoski im Kirchsp. Askola, Südfinnland, im Jahre 1964. – *Annales Botanici Fennici* 3:265–285.
- Nehring, S. 1993: *Gymnodinium catenatum* in German coastal waters. – *Harmful Algal News* 7:1, 4.
- Nehring, S. 1994: First living *Alexandrium minutum* resting cysts in Western Baltic. – *Harmful Algae News* 9:1–2.
- Niemi, Å. & Hällfors, G. 1974: Some phytoplankton species from Baltic waters. – *Memoranda Societatis pro Fauna et Flora Fennica* 49:77–93.
- Paddock, T.B.B. 1988: *Plagiotropis* Pfitzer and *Troponeis* Cleve, a summary account. – *Bibliotheca Diatomologica* 16:1–152, pls.1–38.
- Pankow, H. 1976: Algenflora der Ostsee. II. Plankton (einschl. benthischer Kieselalgen). – Gustav Fischer Verlag, Stuttgart, Jena. 493 pp.
- Pankow, H. 1990: Ostsee-Algenflora. – Gustav Fischer Verlag, Jena. 648 pp.
- Paulsen, O. 1908: Peridiniales. – In: Brandt, K. & Apstein, C. (eds.), *Nordisches Plankton. Botanischer Teil, Lieferung VIII, Abteilung XVIII*:124.
- Popovský, J. & Pfister, L.A. 1990: Dinophyceae (Dinoflagellida). – *Süßwasserflora von Mitteleuropa* 6:1–272.
- Preisig, H.-R., Vørs, N. & Hällfors, G. 1991: Diversity of heterotrophic heterokont flagellates. – In: Patterson, D. J. & Larsen, J. (eds.), *The Biology of Free-Living Heterotrophic Flagellates. Systematics Association Special Volume No. 43*: 361–399. Clarendon Press, Oxford. The Systematics Association.
- Ringer, Z. 1973: Changes of phytoplankton biocenosis in the southern Baltic during the last half-century. – *Polskie Archiwum Hydrobiologii* 20:379–387.
- Round, F.E., Crawford, R.M. & Mann, D.G. 1990: The diatoms. Biology and morphology of the genera. – Cambridge University Press, i–ix, 1–747.
- Rumek, A. 1948: Phytoplankton investigations in the Gulf of Gdańsk. – *Annales Biologiques* 3:110.
- Simola, H. (ed.) 1990: Proceedings of the Tenth International Diatom Symposium, Joensuu, Finland, August 28–September 2, 1988. – Koeltz Scientific Books, Koenigstein.
- Snoeijs, P. (ed.) 1993: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 1. – The Baltic Marine Biologists Publication No. 16a:1–129. Opulus Press, Uppsala.
- Starmach, K. 1985: Chrysophyceae und Haptophyceae. – *Süßwasserflora von Mitteleuropa* 2:1–515.
- Tangen, K. 1972: *Papposphaera lepida*, gen. nov., n. sp., a new marine coccolithophorid from Norwegian coastal waters. – *Norwegian Journal of Botany* 19:171–178.
- Tenson, J. 1995: 3.2. Phytoplankton of the Pärnu Bay. – Pp. 105–126 in: Ojaveer, E. (ed.), *Ecosystem of the Gulf of Riga Between 1920 and 1990*. Estonian Academy Publishers, Tallinn.
- Tynni, R. 1978: Über Finnlands rezente und subfossile Diatomeen X. – *Geol. Surv. Finland, Bull.* 296:1–55, pis. 1–17.
- Tynni, R. 1980: Über Finnlands rezente und subfossile Diatomeen XI. – *Geol. Surv. Finland, Bull.* 312:1–93.
- Uselytė, S. 1961: Baltijos jūros prie Lietuvos TSR krantų kompleksiniai tyrimai. (4. Fitoplanktonas ir jo ryšys su Kuršių mariomis). – *Lietuvos TSR Mokslu Akademijos Darbai, Serija C*, 3(26):101–113.
- Vørs, N. 1992: Heterotrophic amoebae, flagellates and heliozoa from the Tvärminne area, Gulf of Finland, in 1988–1990. – *Ophelia* 36:1–109.
- Wærn, M. 1952: Rocky-shore algae in the Öregrund archipelago. – *Acta Phytogeographica Suecica* 30: I–XVI, 1–298, pis. 1–32.
- Willén, T. 1995: Växtplankton i Östersjön 1979–1988. [Summary: Phytoplankton in the Baltic Sea 1979–1988.] – PMK-utsjöprogrammet. Naturvårdsverket Rapport 4288:1–2, 1–22, apps 68 pp.
- Zernova, V.V. & Shevchenko, V.P. 2001: Structure of the Baltic Sea Phytocenosis under the conditions of progressive water eutrofication. – *Oceanology* 41:218–226.

- Abshagen, G. 1908: Das Phytoplankton des Greifswalder Boddens. – Jahresbericht der Geographischen Gesellschaft zu Greifswald 11:1–100.
- Alasaarela, E. 1978: Phytoplankton in the coastal waters of the Bothnian Bay off Kemi. – *Annales Botanici Fennici* 15:297–308.
- Alasaarela, E. 1979: Spatial, seasonal and long-term variations in the phytoplanktonic biomass and species composition in the coastal waters of the Bothnian Bay off Oulu. – *Annales Botanici Fennici* 16:108–122.
- Alasaarela, E. & Siira, J. 1976: Of the phytoplankton in the Liminganlahti Bay. – In: Valtonen, T. (ed.), *Bothnian Bay Symposium 1974 Proceedings. Acta Universitatis Ouluensis Series A Scientiae Rerum Naturalium* 42., Biologica 3 (Bothnian Bay Reports 1):63–71.
- Alasaarela, E. & Siira, J. 1980: Species composition of the phytoplankton in the Liminganlahti Bay (Bothnian Bay). – *Bothnian Bay Reports* 2:49–59.
- Andersson, A., Hajdu, S., Haecky, P., Kuparinen, J. & Wikner, J. 1996: Succession and growth limitation of phytoplankton in the Gulf of Bothnia (Baltic Sea). – *Marine Biology* 126:791–801.
- Andrén, E. 1997: A study of the diatom *Opephora marina* (Gregory) Petit. – *Diatom Research* 12:199–205.
- Andrén, E. 1999: Changes in the composition of the diatom flora during the last century indicate increased eutrophication of the Oder estuary, south-western Baltic Sea. – *Estuarine, Coastal and Shelf Science* 48:665–676.
- Andrén, E., Shimmield, G. & Brand, T. 1999: Environmental changes of the last three centuries indicated by siliceous microfossil records from the southwestern Baltic Sea. – *The Holocene* 9:25–38.
- Apstein, C. 1900: Plankton in Rügenschens Gewässern. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 5(2):37–44.
- Apstein, C. 1905: Die Schätzungsmethode in der Planktonforschung. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 8:105–123.
- Apstein, C. 1905: Plankton in Nord- und Ostsee auf den deutschen Terminfahrten. 1. Teil. (Volumina 1903). – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 9:1–26, 10 pis, I–LIX.
- Arndt, E.A., Pankow, H. & Kell, V. 1966: Über das Phytoplankton der Wismar-Bucht. – *Internationale Revue der Gesamten Hydrobiologie* 51:127–146.
- Backlund, C. 1992: Primärproduktion i ett åländskt skärgårdsområde [Abstract: Primary production in an archipelago gradient on the Åland Islands.] – *Forskningsrapporter från Husö Biologiska Station* 80:1–12, 2 apps.
- Balode, M. & Purina, I. 1996: Harmful phytoplankton in the Gulf of Riga (the Baltic Sea). – In: Yasumoto, T., Oshima, Y. & Fukuyo, Y. (eds.), *Harmful and toxic algal blooms*:69–72. Intergovernmental Oceanographic Commission of UNESCO, Paris.
- Balode, M., Purina, I., Béchemin, C. & Maestrini, S.E. 1998: Effects of nutrient enrichment on the growth rates and community structure of summer phytoplankton from the Gulf of Riga, Baltic Sea. – *Journal of Plankton Research* 20:2251–2272.
- Bandel, W. 1940: Phytoplankton und Nährstoffgehalt der Ostsee im Gebiet der Darsser Schwelle. – *Internationale Revue der Gesamten Hydrobiologie* 40:249–304.
- Basova, S.L. & Lange, E.K. 1998: Trends in late summer phytoplankton in the Neva Bay and eastern Gulf of Finland during 1978 to 1990. – *Memoranda Societatis pro Fauna et Flora Fennica* 74:1–14.
- Beech, P.L. & Moestrup, Ø. 1986: Light and electron microscopical observations on the heterotrophic protist *Thaumatomastix salina* comb. nov. (syn. *Chrysosphaerella salina*) and its allies. – *Nordic Journal of Botany* 6:865–877.
- Bērziņš, B.V.A. 1932: Das Plankton der lettischen Terminfahrt im Frühjahr 1928. (Rigascher Meerbusen und Baltisches Meer). – *Folia Zoologica et Hydrobiologica* 4:68–102.
- Birch-Andersen, P. 1973: *Chrysosphaerella salina*. A new species of the Chrysophyceae from salt marsh pools. – *Botanisk Tidsskrift* 68:140–144.

- von Bodungen, B., von Bröckel, K., Smetacek, V. & Zeitzschel, B. 1975: Ecological studies on the plankton in the Kiel Bight I. Phytoplankton. – *Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift* 239:179–186.
- Borysiak, M. 1977: Skład jakościowy fitoplanktonu południowego Bałtyku w latach 1971–1974. [Summary: Qualitative composition of phytoplankton of the southern Baltic in 1971–1974.] – *Studia i Materiały Seria A*, 19:5–24. (in Polish).
- Borysiak, M. 1987: On the results of qualitative phytoplankton composition in the southern Baltic related to hydrobiological conditions in 1971–1974. – In: Siudziński, K. & Ludwig, L. (eds.), *Proceedings of the 4th Symposium of the Baltic Marine Biologists. Structure, Function and Biological Production of the Baltic Ecosystem*, Gdańsk, Poland /October 13 - 18. 1975/, pp. 79–85. Sea Fisheries Institute, Gdynia.
- Bruun, J.-E., Forsskåhl, M., Grönlund, L., Leppänen, J.-M., Niemi, Å. & Tamelander, G. 1980: Environmental conditions and biological production in the sea off Kopparnäs, a projected power plant site (S coast of Finland). – *Meri* 6:8–38.
- Carpenter, E.J., Janson, S., Boje, R., Pollehne, F. & Chang, J. 1995: The dinoflagellate *Dinophysis norvegica*: biological and ecological observations in the Baltic Sea. – *European Journal of Phycology* 30:1–9.
- Cederwall, H. & Hajdu, S. 1994: Nya arter i Östersjön. – *Östersjö'93. Årsrapport från den marina miljöövervakningen*:7–9.
- Cleve-Euler, A. 1910: Das Bacillariaceenplankton in Gewässern bei Stockholm. Vorläufige Mitteilung. – *Archiv für Hydrobiologie und Planktonkunde* 6:209–212.
- Cleve-Euler, A. 1911–1912: Das Bacillariaceenplankton in Gewässern bei Stockholm II. Zur Morphologie und Biologie einer pleomorphen *Melosira* – *Archiv für Hydrobiologie und Planktonkunde* 7:119–139 (1911), 230–260 (1912).
- Cleve-Euler, A. 1912: Das Bacillariaceenplankton in Gewässern bei Stockholm III. Über Gemeinden des schwach salzigen Wassers und eine neue Charakterart derselben. – *Archiv für Hydrobiologie und Planktonkunde* 7:500–514.
- Dahl, E., Lindahl, O., Paasche, E. & Throndsen, J. 1989: The *Chrysochromulina polylepis* bloom in Scandinavian waters during spring 1988. – In: Cosper, E.M., Bricelj, V.M. & Carpenter, E.J. (eds.), *Novel Phytoplankton Blooms. Causes and Impacts of Recurrent Brown Tides. Coastal and Estuarine Studies* 35:383–405. Springer-Verlag.
- Driver-Kiei, H. 1907: Das Ostseeplankton der 4 deutschen Terminfahrten im Jahre 1905. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 10:109–128, 2 tables.
- Edler, L. 1979: Phytoplankton succession in the Baltic Sea. – *Acta Botanica Fennica* 110:75–78.
- Edler, L. 1987: Seasonal changes of phytoplankton in the Baltic in 1973 and 1974. – In: Siudziński, K. & Ludwig, L. (eds.), *Proceedings of the 4th Symposium of the Baltic Marine Biologists. Structure, Function and Biological Production of the Baltic Ecosystem*, Gdańsk, Poland /October 13 - 18. 1975/, pp. 94–106. Sea Fisheries Institute, Gdynia.
- Edler, L. 2000: Planktonåret 1999: Havsmiljön maj 2000:5.
- Edler, L., Hällfors, G. & Niemi, Å. 1984: A preliminary check-list of the phytoplankton of the Baltic Sea. – *Acta Botanica Fennica* 128:1–26.
- Eikrem, W. & Moestrup, Ø. 1998: Structural analysis of the flagellar apparatus and the scaly periplast in *Chrysochromulina scutellum* sp. nov. (Prymnesiophyceae, Haptophyta) from the Skagerrak and the Baltic. – *Phycologia* 37:132–153.
- Elbrächter, M. 1970: Chemische, mikrobiologische und planktologische Untersuchungen in der Schlei im Hinblick auf deren Abwasserbelastung. 4.2. Phytoplankton und Ciliaten. – *Kieler Meeresforschungen* 26:193–203, pls 46–47.

- Eriksson, S., Sellei, C. & Wallström, K. 1977: The structure of the plankton community of the Öregrundsgrepen (southwest Bothnian Sea). – *Helgoländer Wissenschaftliche Meeresuntersuchungen* 30:582–597.
- Faust, M., Larsen, J. & Moestrup, Ø. 1999: Potentially toxic phytoplankton 3. Genus *Prorocentrum* (Dinophyceae) – ICES Identification Leaflets for Plankton 184:1–24.
- Feibicke, M., Wendke, S. & Geissler, U. 1990: *Thalassiosira proschkiniae* Makarova – a contribution to its morphology and autecology. – *Beiheft zur Nova Hedwigia* 100:155–169.
- Fenchel, T. 1968: On "red water" in the Isefjord (inner Danish waters) caused by the ciliate *Mesodinium rubrum*. – *Ophelia* 5:245–253.
- Fenchel, T., Bernard, C., Esteban, G., Finlay, B.J., Hansen, P.J. & Iversen, N. 1995: Microbial diversity and activity in a Danish fjord with anoxic deep water. – *Ophelia* 43:45–100.
- Forsskåhl, M. 1980: Phytoplankton biomass and species composition in Finnish coastal waters in 1974 and 1975. – *Finnish Marine Research* 247:94–109.
- Göbel, J. 1995: Das Algenfrüherkennungssystem – Konzeption und Ergebnisse. – *Deutsche Hydrographische Zeitschrift – German Journal of Hydrography Supplement* 2:167–172.
- Granéli, E., Carlsson, P., Olsson, P., Sundström, B., Granéli, W. & Lindahl, O. 1989: From anoxia to fish poisoning: The last ten years of phytoplankton blooms in Swedish marine waters. – In: Cosper, E.M., Bricelj, V.M. & Carpenter, E.J. (eds.), *Novel Phytoplankton Blooms. Causes and Impacts of Recurrent Brown Tides. Coastal and Estuarine Studies* 35:407–427. Springer-Verlag.
- Gromisz, S., Zalewski, M., Ochocki, S. & Kownacka, J.M. 1998: Chlorophyll a and phytoplankton in the Pomeranian Bay during and after the flood event. – *Deutsche Hydrographische Zeitschrift / German Journal of Hydrography* 50:203–213.
- Grönlund, T. 1993: Diatoms in surface sediments of the Gotland Basin in the Baltic Sea. – In: van Dam, H. (ed.), *Twelfth International Diatom Symposium. Hydrobiologia* 269/270:235–242.
- Grøntved, J. 1950: The phytoplankton of Præstø Fjord. – *Folia Geographica Danica* 3(6):143–
- Grøntved, J. 1954: Planktological contributions I. – *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser. Ny Serie* 1(8):1–7.
- Grøntved, J. 1956: Planktological contributions II. Taxonomical studies in some Danish coastal localities. – *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser. Ny Serie* 1(12):1–13.
- Grøntved, J. 1960: Planktological contributions IV. Taxonomical and productional investigations in shallow coastal waters. – *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser, N.S.*, 3(1):1–17.
- Haecky, P. & Andersson, A. 1999: Primary and bacterial production in sea ice in the northern Baltic Sea. – *Aquatic Microbial Ecology* 20:107–118.
- Hajdu, S., Edler, L., Olenina, I. & Witek, B. 2000: Spreading and establishment of the potentially toxic dinoflagellate *Prorocentrum minimum* in the Baltic Sea. – *International Review of Hydrobiology* 85:561–575.
- Halme, E. & Mölder, K. 1958: Planktologische Untersuchungen in der Pojo-Bucht und angrenzenden Gewässern. III. Phytoplankton. – *Annales Botanici Societatis Zoologicae-Botanicae Fennicae Vanamo* 30(3):1–71.
- Hansen, G., Daugbjerg, N. & Henriksen, P. 2000: Comparative study of *Gymnodinium mikimotoi* and *Gymnodinium aureolum* comb. nov. (= *Gyrodinium aureolum*) based on morphology, pigment composition, and molecular data. – *Journal of Phycology* 36:394–410.
- Hansen, G. & Larsen, J. 1992: Dinoflagellater i danske farvande. – In: Thomsen, H.A. (ed.), *Plankton i de indre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen* 11:45–155.
- Hansen, P.J. 1991: Quantitative importance and trophic role of heterotrophic dinoflagellates in a coastal pelagial food web. – *Marine Ecology Progress Series* 73:253–261.

- Hasle, G.R. 1978: Some freshwater and brackish water species of the diatom genus *Thalassiosira* Cleve. – *Phycologia* 17:263–292.
- Hasle, G.R. & Lange, C.B. 1989: Freshwater and brackish water *Thalassiosira* (Bacillariophyceae): taxa with tangentially undulated valves. – *Phycologia* 28:120–135.
- Heerkloss, R., Börner, R., Krummhaar, B., Arndt, H. & Schnese, W. 1984: Growth inhibition in estuarine zooplankters due to blue-green algae. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), *Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem*, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:45–49.
- Heiskanen, A.-S. 1998: Factors governing sedimentation and pelagic nutrient cycles in the northern Baltic Sea. – Ph.D. thesis (Summary), *Monographs of the Boreal Environment Research* 8:1–80.
- Hentschel, E. 1951: Untersuchungen über das Plankton des Bornholmbeckens. – *Berichte der Deutschen Wissenschaftliche Kommission für Meeresforschung*, N.F. 12:215–315, 3 pis.
- Hill, D.R.A. 1992: *Chroomonas baltica* (Büttner) Carter (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 5*. – *Annales Botanici Fennici* 29:159–160.
- Hill, D.R.A. 1992: *Chroomonas vectensis* Carter (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 6*. – *Annales Botanici Fennici* 29:161–162.
- Hill, D.R.A. 1992: *Hemiselmis virescens* Droop (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 7*. – *Annales Botanici Fennici* 29:163–164.
- Hill, D.R.A. 1992: *Plagioselmis prolunga* Butcher (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 8*. – *Annales Botanici Fennici* 29:165–166.
- Hill, D.R.A. 1992: *Rhodomonas baltica* Karsten (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 9*. – *Annales Botanici Fennici* 29:167–168.
- Hill, D.R.A. 1992: *Rhodomonas marina* (Dangeard) Lemmermann (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 10*. – *Annales Botanici Fennici* 29:169–170.
- Hill, D.R.A. 1992: *Rhodomonas salina* (Wislouch) Hill & Wetherbee (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 11*. – *Annales Botanici Fennici* 29:171–172.
- Hill, D.R.A. 1992: *Teleaulax acuta* (Butcher) Hill (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 12*. – *Annales Botanici Fennici* 29:173–174.
- Hill, D.R.A. 1992: *Teleaulax amphioxeia* (Conrad) Hill (Cryptophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 13*. – *Annales Botanici Fennici* 29:175–176.
- Hill, D.R., Moestrup, Ø. & Vørs, N. 1992: Rekyalger (Cryptophyceae). – In: Thomsen, H.A. (ed.), *Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat*. *Havforskning fra Miljøstyrelsen* 11:251–265.
- Hobro, R. & Nyqvist, B. 1971: Studies on the primary production and relevant environmental factors in the Northern Baltic. – *Thalassia Jugoslavica* 7:115–116.
- Horstmann, U. 1993: Die Phytoplanktonparameter im Monitoring: Zusammenfassung der Erkenntnisse und kritische Betrachtungen aus dem Monitoring Programm des Instituts für Meereskunde. – In: Trier, S. (ed.), *Das biologische Monitoring der Ostsee im Institut für Meereskunde Kiel 1985 – 1992*. *Berichte aus dem Institut für Meereskunde an der Christian-Albrechts-Universität Kiel* 240: 32–50.
- Hübel, H. & Hübel, M. 1974: Stickstoff-Fixierung in Küstengewässern der mittleren Ostsee. – *Zeitschrift für Allgemeine Mikrobiologie* 14:617–619.
- Hübener, T., Gase, G., Genciova, A., Krämer, A., Mehlkopf, T., Paulicova, Z., Kell, V. & Schiewer, U. 1984: Biomasse, Primärproduktion und Sukzessionsfolge des Phytoplanktons in der Unterwarnow. – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 33, *Naturwissenschaftliche Reihe*, Heft 6:43–52.
- Ikävalko, J. 1994: Observations on silica-scaled flagellates (Chrysophyceae and Synurophyceae) in the brackish water Pojo Bay, SW coast of Finland. – *Annales Botanici Fennici* 31:1–27.

- Ikävalko, J. 1998: Further observations on flagellates within sea ice in the northern Bothnian Bay, the Baltic Sea. – *Polar Biology* 19(5):323–329.
- Ikävalko, J. & Thomsen, H.A. 1996: Scale-covered and loricate flagellates (Chrysophyceae and Synurophyceae) from Baltic Sea ice. – *Beiheft zur Nova Hedwigia* 114:147–160.
- Ikävalko, J. & Thomsen, H.A. 1997: The Baltic Sea ice biota (March 1994): A study of the protistan community. – *European Journal of Protistology* 33:229–243.
- Jakobsen, H.H., Hansen, P.J. & Larsen, J. 2000: Growth and grazing responses of two chloroplast-retaining dinoflagellates: effect of irradiance and prey species. – *Marine Ecology Progress Series* 201:121–128.
- Janson, S., Carpenter, E.J. & Bergman, B. 1994: Fine structure and immunolocalisation of proteins in *Aphanizomenon* sp. from the Baltic Sea. – *European Journal of Phycology* 29:203–211.
- Jensen, Aa.J.C. 1957: [Plankton] Observations at Bornholm. – *Annales Biologiques* 12:113.
- Jensen, K.G. & Moestrup, Ø. 1998: The genus *Chaetoceros* (Bacillariophyceae) in inner Danish coastal waters. – *Opera Botanica* 133:1–68.
- Jensen, M.Ø. 1998: The genus *Chrysochromulina* (Prymnesiophyceae) in Scandinavian coastal waters – diversity, abundance and ecology. – Ph. D. thesis, Department of Phycology, Botanical Institute, Faculty of Science, University of Copenhagen. 16 + 3 + 21 +13 + 38 + 36 pp.
- Jensen, M.Ø. & Moestrup, Ø. 1999: Ultrastructure of *Chrysochromulina ahrengotii* sp. nov. (Prymnesiophyceae), a new saddle-shaped species of *Chrysochromulina* from Danish coastal waters. – *Phycologia* 38:195–207.
- Jumppanen, K. 1999: Rauman merialueen kuormitus ja veden sekä pohjan tila vuonna 1998. Vuosiyhteenveto. – *Lounais-Suomen vesiensuojeluyhdistys r.y. Tutkimusselosteita* 145:1–69, Apps 1–7.
- Jumppanen, K. 2000: Olkiluodon lähivesien fysikaalis-kemiallinen ja biologinen tarkkailututkimus vuonna 1999. – *Lounais-Suomen vesiensuojeluyhdistys r.y. Tutkimusselosteita* 154:1–31, Apps 1–4 24 pp.
- Jumppanen, K. 2000: Uudenkaupungin merialueen kuormitus ja tila vuonna 1999. Vuosiyhteenveto. – *Lounais-Suomen vesiensuojeluyhdistys r.y. Tutkimusselosteita* 158:1–57, Apps 1–5 20 pp.
- Kankaala, P., Alasaarela, E. & Sundberg, A. 1984: Phytoplankton and zooplankton production in the northeastern and central Bothnian Bay – a review of studies carried out in 1968–1978. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), *Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem*, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:69–88.
- Karsten, G. 1898: *Rhodomonas baltica*. N. g. et. sp. – *Wissenschaftliche Meeresuntersuchungen*. [Abteilung Kiel. Neue Folge ?] 3(2):15–16, Pl 1, Figs 8–12.
- Kauppila, P. & Lepistö, L. 2001: Changes in phytoplankton. – In: Kauppila, P. & Bäck, S. (eds.), *The state of Finnish coastal waters in the 1990s*. *The Finnish Environment* 472:61–70.
- Kell, V. 1981: *Das Phytoplankton der Ostsee*. – *Geodätische und Geophysikalische Veröffentlichungen Reihe IV*, 33:3–26.
- Keskitalo, J. 1987: Carbon fixation of phytoplankton species in cooling water of the Olkiluoto nuclear power station, west coast of Finland. – *Annales Botanici Fennici* 24:23–34.
- Keskitalo, J. 1987: Phytoplankton in the sea area off the Olkiluoto nuclear power station, west coast of Finland. – *Annales Botanici Fennici* 24:281–299.
- Keskitalo, J. 1988: Lämminvesipäästöjen vaikutukset pohjakaasvillisuuteen ja kasviplanktoniin Olkiluodon ydinvoimalaitoksen meriympäristössä. [Abstract: Effects of thermal discharges on the benthic vegetation and phytoplankton outside the Olkiluoto nuclear power station, west coast of Finland.] – *Finnish Centre for Radiation and Nuclear Safety STUK-A71:1–26*. (Ph.D. Thesis summary, University of Helsinki, Department of Botany.)

- Kivi, K. 1986: Annual succession of pelagic protozoans and rotifers in the Tvärminne Storfjärden, SW coast of Finland. – In: Muus, K. (ed.), Proceedings of the 9th Symposium of the Baltic Marine Biologists. Ecology of Coastal Waters. Interactions Between and Within Species. Turku/Åbo, Finland, 11–15 June 1985. *Ophelia* Supplement 4:101–110.
- Komárek, J. & Anagnostidis, K. 1999: Cyanoprocaryota 1. Teil: Chroococcales. – *Süßwasserflora von Mitteleuropa* 19/1:I–VI, 1–548.
- Kononen, K., Hällfors, S., Kokkonen, M., Kuosa, H., Laanemets, J., Pavelson, J., & Autio, R. 1998: Development of a subsurface chlorophyll maximum at the entrance to the Gulf of Finland, Baltic Sea. – *Limnology and Oceanography* 43:1089–1106.
- Kononen, K., Huttunen, M., Kanoshina, I., Laanemets, J., Moisander, P. & Pavelson, J. 1999: Spatial and temporal variability of a dinoflagellate-cyanobacterium community under a complex hydrodynamical influence: a case study at the entrance to the Gulf of Finland – *Marine Ecology Progress Series* 186:43–57.
- Kononen, K. & Niemi, Å. 1984: Long-term variation of the phytoplankton composition at the entrance to the Gulf of Finland. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem, Lund, Sweden, 10–14 August 1983. *Ophelia* Supplementum 3:101–110.
- Kraefft, F. 1908: Über das Plankton in Ost- und Nordsee und den Verbindungsgebieten, mit besonderer Berücksichtigung der Copepoden. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 11:31–99, Tab. A, C, Pl. 1.
- Kremp, A. 2000: The role of life cycle in the population dynamics of the bloom forming dinoflagellates *Scrippsiella hangoei* and *Peridiniella catenata* in the Baltic Sea. – Ph.D. thesis summary, Walter and Andrée de Nottbeck Foundation Scientific Reports 22:1–31.
- Kremp, A. 2000: Distribution, dynamics and in situ seeding potential of *Scrippsiella hangoei* (Dinophyceae) cyst populations from the Baltic Sea. – *Journal of Plankton Research* 22:2155–2169.
- Kremp, A. 2001: Effects of resuspension on germination and seeding of two bloom-forming dinoflagellates in the Baltic Sea. – *Marine Ecology Progress Series* 216:57–66.
- Kremp, A. & Anderson, D.M. 2000: Factors regulating germination of resting cysts of the spring bloom dinoflagellate *Scrippsiella hangoei* from the northern Baltic Sea. – *Journal of Plankton Research* 22:1311–1327.
- Kremp, A. & Heiskanen, A.-S. 1999: Sexuality and cyst formation of the spring-bloom dinoflagellate *Scrippsiella hangoei* in the coastal northern Baltic Sea. – *Marine Biology* 134:771–777.
- Kuosa, H. 1986: The phytoplankton of a small brackish-water bay, Tvärminne Byviken, southern Finland. – In: Muus, K. (ed.), Proceedings of the 9th Symposium of the Baltic Marine Biologists. Ecology of Coastal Waters. Interactions Between and Within Species. Turku/Åbo, Finland, 11–15 June 1985. *Ophelia* Supplement 4:119–127.
- Kuosa, H. 1988: Observations on the taxonomy and ecology of *Monoraphidium* (Chlorophyceae, Chlorococcales) and *Koliella* (Chlorophyceae, Ulotrichales) species in the Tvärminne sea area, SW coast of Finland. – *Archiv für Protistenkunde* 135:45–53.
- Kuosa, H. 1988: Enumeration of autotrophic and heterotrophic flagellates in Baltic Sea samples – a comparison of microscopical methods. – *Archiv für Hydrobiologie Beiheft Ergebnisse der Limnologie* 31:301–306.
- Kuosa, H. 1988: Some species of the green-algal genus *Scenedesmus* Meyen (Chlorococcales) in Finnish coastal waters. – *Archiv für Hydrobiologie* 78 (Algological Studies 49):475–481.
- Kuosa, H. 1988: First record of *Paulinella chromatophora* (Testacea, Rhizopoda) from the northern Baltic Sea. – *Memoranda Societatis pro Fauna et Flora Fennica* 64:77–78.
- Kuosa, H. 1988: Occurrence of autotrophic picoplankton along an open sea – inner archipelago gradient in the Gulf of Finland, Baltic Sea. – *Ophelia* 28:85–93.

- Kuosa, H. 1999: Kasviplanktontutkimus. – In: Holmberg, R., Jokinen, O., Kuosa, H. & Ranta, E., Mustionjoen, Fiskarsinjoen, Pohjanpitäjänlahden ja Tammisaaren merialueen yhteistarkkailun yhteenveto vuodelta 1997. Länsi-Uudenmaan Vesi ja Ympäristö ry Julkaisu 86, Liite 3, 6 pp.
- Kuosa, H., Autio, R., Kuuppo, P., Setälä, O. & Tanskanen, S. 1997: Nitrogen, silicon and zooplankton controlling the Baltic spring bloom: An experimental study. – *Estuarine, Coastal and Shelf Science* 45:813–821.
- Kuosa, H. & Hällfors, G. 1990: *Koliella spiralis* Kuosa (Chlorophyceae, Ulotrichales). Baltic Sea Phytoplankton Identification Sheet No. 4. – *Annales Botanici Fennici* 27:353–354.
- Kuylensstierna, M. & Karlsson, B. 1998: *Quadricoccus euryhalinicus* sp. nov. (Botryococcaceae, Chlorophyceae), an euryhaline green alga from the Skagerrak, northeast Atlantic Ocean. – *Botanica Marina* 41:317–320.
- Laamanen, M.J. 1996: Cyanoprokaryotes in the Baltic Sea ice and winter plankton. – *Achiv für Hydrobiologie, Supplementband 117 (Algological Studies 83)*:423–433.
- Laamanen, M.J. 1997: Environmental factors affecting the occurrence of different morphological forms of cyanoprokaryotes in the northern Baltic Sea. – *Journal of Plankton Research* 19:1385–1403.
- Lagerheim, G. 1883: Bidrag till Sveriges algflora. – *Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar* 1883(2):37–78, Pl. I.
- Larsen, J., Kuosa, H., Ikävalko, J., Kivi, K. & Hällfors, S. 1995: A redescription of *Scrippsiella hangoei* (Schiller) comb. nov. – a 'red tide' dinoflagellate from the northern Baltic. – *Phycologia* 34:135–144.
- Latała, A. & Florczyk, I. 1993: The effect of light and temperature interactions on the growth of planktonic green algae – *Studia i Materiały Oceanologiczne* 64 *Marine Pollution* (3):173–186.
- Lehtimäki, J., Lyra, C., Suomalainen, S., Sundman, P., Rouhiainen, L., Paulin, L., Salkinoja-Salonen, M. & Sivonen, K. 2000: Characterization of *Nodularia* strains, cyanobacteria from brackish waters, by genotypic and phenotypic methods. – *International Journal of Systematic and Evolutionary Microbiology* 50:1043–1053.
- Lemmermann, E. 1898: Der große Waterneverstorfer Binnensee. – *Forschungsberichte aus der Biologischen Station zu Plön* 6:166–204, pi. V.
- Lemmermann, E. 1903: Das Phytoplankton des Meeres. II. Beitrag. – *Abhandlungen des Naturwissenschaftlichen Vereins zu Bremen* 17:341–418.
- Lemmermann, E. 1906: Über das Vorkommen von Süßwasserformen im Phytoplankton des Meeres. – *Archiv für Hydrobiologie und Planktonkunde* 1:409–427.
- Lemmermann, E. 1910: Beiträge zur Kenntnis der Planktonalgen. XXX. *Peridinium trochoideum* (Stein) Lemm. nob. – *Archiv für Hydrobiologie und Planktonkunde* 5:336–338.
- Leppäkoski, E., 1984: Introduced species in the Baltic Sea and its coastal ecosystems. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), *Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem*, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:123–135.
- Leppänen, J.-M. & Bruun, J.-E. 1986: The role of pelagic ciliates including the autotrophic *Mesodinium rubrum* during the spring bloom of 1982 in the open northern Baltic proper. – In: Muus, K. (ed.), *Proceedings of the 9th Symposium of the Baltic Marine Biologists. Ecology of Coastal Waters. Interactions Between and Within Species*. Turku/Åbo, Finland, 11–15 June 1985. *Ophelia Supplement* 4:147–157.
- Leppänen, J.-M., Rantajärvi, E., Hällfors, S., Kruskopf, M. & Laine, V. 1995: Unattended monitoring of potentially toxic phytoplankton species in the Baltic Sea in 1993. – *Journal of Plankton Research* 17:891–902.
- Leskinen, E. & Hällfors, G. 1997: *Tabularia waernii* (Diatomophyceae) in the northern Baltic Sea. – *Annales Botanici Fennici* 34:141–147.

- Levander, K. M. 1894: *Peridinium catenatum* n. sp. Eine kettenbildende Peridinee im Finnischen Meerbusen. – *Acta Societatis pro Fauna et Flora Fennica* 9(10):1-18, 1 pl.
- Levander, K.M. 1894: Materialien zur Kenntnis der Wasserfauna in der Umgebung von Helsingfors, mit besonderer Berücksichtigung der Meeresfauna. I. Protozoa. – *Acta Societatis pro Fauna et Flora Fennica* 12(2):1–115, 3 pis.
- Levander, K.M. 1901: Zur Kenntnis des Planktons und der Bodenfauna einiger seichten Brackwasserbuchten. – *Acta Societatis pro Fauna et Flora Fennica* 20(5):1–34.
- Levander, K.M. 1901 Übersicht der in der Umgebung von Esbo-Löfö im Meereswasser vorkommenden Thiere. – *Acta Societatis pro Fauna et Flora Fennica* 20(6):1–20.
- Levander, K.M. 1902: Eine neue farblose *Peridinium*-Art. – *Meddelanden af Societas pro Fauna et Flora Fennica* 28:49–51.
- Levander, K.M. 1913: Till kännedom om planktonbeskaffenheten i Helsingfors inre hamnar. – *Meddelanden af Societas pro Fauna et Flora Fennica* 39:26–36.
- Lignell, R. 1990: Excretion of organic carbon by phytoplankton: its relation to biomass, primary productivity and bacterial secondary productivity in the Baltic Sea. – *Marine Ecology Progress Series* 68:85–99.
- Lignell, R. & Kuosa, H. 1988: Sources of error in algal exudation measurements. – *Archiv für Hydrobiologie Beiheft Ergebnisse der Limnologie* 31:97–104.
- Lindahl, O. & Rosenberg, O. (eds.) 1989: Algblooming av *Chrysochromulina polylepis* vid svenska västkusten 1988. Fysisk-kemiska, biologiska och effekterelaterade studier. [Summary: The *Chrysochromulina polylepis* algal bloom along the Swedish west coast 1988: Physico-chemical, biological and impact studies.] – *Naturvårdsverket Rapport* 3602:1–71.
- Lindemann, E. 1924: Ueber finnische Peridineen. – *Archiv für Hydrobiologie* 15:1–4, Pl. I.
- Lindholm, T. 1978: Autumnal mass development of the 'red water' ciliate *Mesodinium rubrum* in the Åland archipelago. – *Memoranda Societatis pro Fauna et Flora Fennica* 54:1–5.
- Lindholm, T. & Öhman, P. 1995: Occurrence of bloom-forming and potentially harmful phytoplankton in the Åland archipelago in the summer of 1993. – *Memoranda Societatis pro Fauna et Flora Fennica* 71:10–18.
- Lohmann, H. 1903: Neue Untersuchungen über den Reichthum des Meeres an Plankton und über die Brauchbarkeit der verschiedenen Fangmethoden. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 7:1–86, Pis. 1–4.
- Lundholm, N. & Skov, J. 1993: *Pseudonitzschia pseudodelicatissima* ... in Scandinavian coastal waters. – *Harmful Algae News* 5:4–5.
- Luther, A. 1933: Über eine *Coccolithinee* aus dem Finnischen Meerbusen. – *Memoranda Soc. Fauna Flora Fennica* 9:165-171.
- Lysiak-Pastuszek, E., Drgas, N., Ciszewska, I. & Niemkiewicz, E. 1998: Environmental observations in the Gulf of Gdańsk and Pomeranian Bay following the summer flood of 1997. – *Deutsche Hydrographische Zeitschrift / German Journal of Hydrography* 50:109–127.
- Melvasalo, T. & Viljamaa, H. 1975: Plankton composition in the Helsinki sea area. – *Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift* 239:301–310.
- Merkle, H. 1910: Das Plankton der deutschen Ostseefahrt Juli–August 1907. – *Wissenschaftliche Meeresuntersuchungen. Abteilung Kiel. Neue Folge* 11:323–346, Tab. I–II.
- Meyer, B. & Håkansson, H. 1997: *Cyclotella wulfae*, a new diatom from a brackish lake in Germany. – *Diatom Research* 12:279–285.
- Meyer-Harms, B., Reckermann, M., Voß, M., Siegmund, H. & von Bodungen, B. 1999: Food selection by Calanoid copepods in the euphotic layer of the Gotland Sea (Baltic Proper) during mass occurrence of N_2 -fixing cyanobacteria. – *Marine Ecology Progress Series* 191:243–250.

- Michanek, G. 1965: Zooplankton of the Baltic – observations on some smaller species. – In Levring, T. (ed.), Proceedings of the Fifth Marine Botanical Symposium. Marine Botanical Institute, Göteborg, September 9–13, 1964. *Botanica Gothoburgensia* 3:157–160.
- Miller, U. & Risberg, J. 1990: Environmental changes, mainly eutrophication, as recorded by fossil siliceous micro-algae in two cores from the uppermost sediments of the north-western Baltic. – *Beiheft zur Nova Hedwigia* 100:237–253.
- Möbius, K. 1888: Bruchstücke einer Infusorienfauna der Kieler Bucht. – *Archiv für Naturgeschichte* 54(1):81–116, Pis IV–X.
- Moestrup, Ø. 1992: Prasinophyceae og andre grønne flagellater. – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. *Havforskning fra Miljøstyrelsen* 11:267–310.
- Moestrup, Ø., Hori, T. & Kristiansen, Aa. 1987: Fine structure of *Pyramimonas octopus* sp. nov., an octoflagellated benthic species of *Pyramimonas* (Prasinophyceae), with some observations on its ecology. – *Nordic Journal of Botany* 7:339–352.
- Moestrup, Ø. & Hansen, P.J. 1988: On the occurrence of the potentially toxic dinoflagellates *Alexandrium tamarens* (= *Gonyaulax excavata*) and *A. ostenfeldii* in Danish and Faroese waters. – *Ophelia* 28:195–213.
- Moestrup, Ø. & Thomsen, H.A. 1990: *Dictyocha speculum* (Silicoflagellata, Dictyochophyceae), studies on armoured and unarmoured stages. – *Det Kongelige Danske Videnskabernes Selskab, Biologiske Skrifter* 37:1–57.
- Mölder, K. & Tynni, R. 1966: Diatomeen im Plankton bei der Stadt Helsinki und in der Stromschnelle Putaankoski im Kirchsp. Askola, Südfinnland, im Jahre 1964. – *Annales Botanici Fennici* 3:265–285.
- Nielsen, A. & Ærtebjerg, G. 1984: Plankton blooms in Danish waters. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:181–188.
- Niemi, Å. 1972: Observations on phytoplankton in eutrophied and non-eutrophied archipelago waters of the southern coast of Finland. – *Memoranda Societatis pro Fauna et Flora Fennica* 48:63–74.
- Nummelin, C. 2000: Uppföljning av situationen i Vargsundet sommaren 1999 samt en miljökonsekvensbedömning av den planerade slussen. [Abstract: A follow-up of the situation in Lake Vargsundet in the summer of 1999 and an environmental impact assessment of the planned lock.] – *Forskningsrapporter från Husö Biologiska Station* 99:1–28, 5 apps., 8 pp.
- Nummelin, C. & Perus, J. 1999: Hydrografi, primärproduktion, växtplanktonsammansättning, bottenfauna, kräft- och fiskbestånd i Vargsundet sommaren 1998. [Abstract: Hydrography, primary production, phytoplankton composition, zoobenthos, standing crop of crayfish and fish in the lake Vargsundet in the summer of 1998.] – *Forskningsrapporter från Husö Biologiska Station* 98:1–36, 8 apps., 19 pp.
- Оленина, И. (Olenina, I.) 1996: Видовой состав фитопланктона залива Куршю – марес и прибрежной зоны юго-восточной части Балтийского моря. [Summary: Species composition of the Kuršių marios lagoon and the southeastern Baltic coastal zone phytoplankton.] – *Botanica Lithuanica* 2:259–300.
- Pankow, H. 1982: *Paulinella chromatophora* Lauterb., eine bisher nur im Süßwasser nachgewiesene Thekamöbe, in den Boddengewässern des Darß und der Zingst (südliche Ostsee). – *Archiv für Protistenkunde* 126:261–263.
- Piirsoo, K. 1997: Phytoplankton species composition in coastal waters of Estonia. – In: Ojaveer, E. (ed.), Proceedings of the 14th Baltic Marine Biologists Symposium, Pärnu, Estonia, 5–8 August 1995: 205–222. Estonian Academy Publishers, Tallinn.

- Pitkänen, H., Kangas, P., Sarkkula, J., Lepistö, L., Hällfors, G. & Kauppila, P.: 1990: Veden laatu ja rehevyys itäisellä Suomenlahdella. Raportti vuosien 1987–88 tutkimuksista. [Summary: Water quality and trophic status in the eastern Gulf of Finland. A report on studies in 1987–88.] – Vesi- ja Ympäristöhallinnon Julkaisuja, Sarja A, 50: 1–134.
- Pliński, M. & Józwiak, T. 1993: Salinity as a limiting factor in brackish water blooms. – In: Smayda, T. J. & Shimizu, Y. (eds.), *Toxic Phytoplankton Blooms in the Sea. Proceedings of the Fifth International Conference on Toxic Marine Phytoplankton*, Newport, Rhode Island, U.S.A., 28 October – 1 November 1991. *Developments in Marine Biology* 3:795–798. Elsevier Science Publishers B.V.
- Rantajärvi, E., Gran, V., Hällfors, S. & Olsonen, R. 1998: Effects of environmental factors on the phytoplankton community in the Gulf of Finland – unattended high frequency measurements and multivariate analyses. – In: Tamminen, T. & Kuosa, H. (eds.), *Eutrophication in planktonic ecosystems: Food web dynamics and elemental cycling. Proceedings of the Fourth International PELAG Symposium*, held in Helsinki, Finland, 26–30 August 1996. *Hydrobiologia* 363 (Developments in Hydrobiology 127):127–139.
- Rathsack-Künzenbach, R. 1961: Zur Cyanophyceenflora der Westküste von Rügen I. – *Internationale Revue der Gesamten Hydrobiologie* 46:653–663.
- Reinke, J. 1898: Eine neue Alge des Planktons. – *Wissenschaftliche Meeresuntersuchungen*. [Abteilung Kiel. Neue Folge ?] 3(2):1–4.
- Renk, H., Ochocki, S., Chmielowski, H., Gromisz, S., Nakonieczny, J., Pastuszek, M. & Zalewski, M. 1999: Photosynthetic light curves in the Pomeranian Bay. – *Oceanologia* 41:355–371.
- Richardson, K. & Christoffersen, A. 1991: Seasonal distribution and production of phytoplankton in the southern Kattegat. – *Marine Ecology Progress Series* 78:217–227.
- Ringer, Z. 1973: Phytoplankton of the southern Baltic Sea. – *Polskie Archiwum Hydrobiologii* 20:371–378.
- Ringer, Z. 1973: Changes of phytoplankton biocenosis in the southern Baltic during the last half-century. – *Polskie Archiwum Hydrobiologii* 20:379–387.
- Ringer, Z. 1974: Results of quantitative investigations on the phytoplankton distribution in the southern Baltic for 1973. – *ICES C.M.1974/L:9*, 5 pp., Appendix 1, 4 pp.
- Ringer, Z. 1987: Results of investigations on the quantitative distribution of phytoplankton in the southern Baltic – 1971–1974. – In: Siudziński, K. & Ludwig, L. (eds.), *Proceedings of the 4th Symposium of the Baltic Marine Biologists. Structure, Function and Biological Production of the Baltic Ecosystem*, Gdańsk, Poland /October 13 - 18. 1975/, pp. 86–93. Sea Fisheries Institute, Gdynia.
- Rinne, I., Melvasalo, T., Niemi, Å. & Niemistö, L. 1978: Nitrogen fixation by blue-green algae in the Baltic Sea. – *Kieler Meeresforschungen Sonderheft* 4:178–187.
- Rumek, A. 1948: Phytoplankton investigations in the Gulf of Gdańsk. – *Annales Biologiques* 3:110.
- Sakson, M. & Miller, U. 1993: Diatom assemblages in superficial sediments from the Gulf of Riga, eastern Baltic Sea. – In: van Dam, H. (ed.), *Twelfth International Diatom Symposium. Hydrobiologia* 269/270:243–249.
- Schmidt, L.E. & Hansen, P.J. 2001: Allelopathy in the prymnesiophyte *Chrysochromulina polylepis*: effect of cell concentration, growth phase and pH. – *Marine Ecology Progress Series* 216:67–81.
- Schulz, S., Breuel, G., Irmisch, A., Siegel, H. & Kell, V. 1984: Results of ecological investigations during the spring bloom in the Arkona Sea. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), *Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem*, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:213–227.
- Segerstråle, S.G. 1939: Ein Planktonprofil Pellinge–Lill-Pernåviken (Südküste Finnlands) im August 1937. – *Societas Scientiarum Fennica, Commentationes Biologicae* 7(10):1–10.
- Setälä, O., Kuoppa, P., Ekebom, J., Kuosa, H. & Patterson, D.J. (eds.) 1995: *Workbook on protist ecology and taxonomy*. – *Proceedings from the 1st Workshop on Protistology at Tvärminne Zoological Station 1992*. Yliopistopaino, Helsinki, 161 pp.

- Sevola, P. 1976: Piilevät kalastajien kiusana. – Suomen Kalastuslehti 1976(4):101–104.
- Sivonen, K., Kononen, K., Carmichael, W.W., Dahlem, A.M., Rinehart, K.L., Kiviranta, J. & Niemelä, S.I. 1989: Occurrence of the hepatotoxic cyanobacterium *Nodularia spumigena* in the Baltic Sea and structure of the toxin. – Applied and Environmental Microbiology 55:1990–1995.
- Skov, J., Lundholm, N., Moestrup, Ø. & Larsen, J. 1999: Potentially toxic phytoplankton 4. The diatom genus *Pseudo-nitzschia* (Diatomophyceae/Bacillariophyceae). – ICES Identification Leaflets for Plankton 185:1–23.
- Skuja, H. 1924: Botaniskas laboratorijas morf.-sistem. nodaļas ziņojumi. 1. Mērsraga-Ragaciema piekrastes algas. [Zusammenfassung: Mitteilungen aus der morph.-system. Abteilung des Botanischen Laboratoriums. 1. Beitrag zur Algenflora des Rigaschen Meerbusens.] – Acta Universitatis Latviensis 10:337–392.
- Skuja, H. 1926: Vorarbeiten zu einer Algenflora von Lettland II. – Acta Horti Botanici Universitatis Latviensis 1:149–177, Pl. II.
- Skuja, H. 1934: Beitrag zur Algenflora Lettlands. I. – Acta Horti Botanici Universitatis Latviensis 7:25–85.
- Šmarda, J. & Hübel, H. 1994: An unknown epiphytic eubacterium on cyanobacteria in water blooms. – Archiv für Hydrobiologie, Supplementband 105 (Algological Studies 75):291–302.
- Šmarda, J., Komárek, J. & Hübel, H. 1986: SEM-analysis of colonies of the cyanophyte *Nodularia* water bloom from the Baltic Sea. – Archiv für Hydrobiologie, Supplementband 73(3) (Algological Studies 44):319–330.
- Smayda, T.J. 1983: The phytoplankton of estuaries. – Pp. 65–102 in Ketchum, B.H. (ed.): Estuaries and Enclosed Seas. Elsevier Scientific Publishing Company, Amsterdam.
- Smetacek, V. 1985: The annual cycle of Kiel Bight plankton: A long-term analysis. – Estuaries 8(2A):145–157.
- Stachura-Suchoples, K., Zgrundo, A. & Witkowski, A. 1998: Occurrence and significance of *Chaetoceros* (Bacillariophyceae) resting spores in the Holocene sediments of the Baltic Sea. – Oceanological Studies 27:87–92.
- Stroede, G. 1914: Einige Mitteilungen zur Biologie des Camminer Boddens. – Archiv für Hydrobiologie und Planktonkunde. 9:286–301.
- Thomsen, H.A. 1973: Studies on marine choanoflagellates I. Silicified choanoflagellates of the Isefjord (Denmark). *Ophelia* 12:1–26.
- Thomsen, H.A. 1976: Studies on marine choanoflagellates II. Fine-structural observations on some silicified choanoflagellates from the Isefjord (Denmark), including the description of two new species. – Norwegian Journal of Botany 23:33–51.
- Thomsen, H.A. 1977: Studies on marine choanoflagellates III. An electron microscopical survey of the genus *Acanthoecopsis*. – Archiv für Protistenkunde 119:86–99.
- Thomsen, H.A. 1977: *Chrysochromulina pyramidosa* sp. nov. (Prymnesiophyceae) from Danish coastal waters. – Botaniska Notiser 130:147–154.
- Thomsen, H.A. 1978: On the identity between the heliozoan *Pinaciophora fluviatilis* and *Potamodiscus kalbei*; with the description of eight new *Pinaciophora* species. – Protistologica 14:359–373.
- Thomsen, H.A. 1979: Electron microscopical observations on brackish-water nanoplankton from the Tvärminne area, SW coast of Finland. – Acta Botanica Fennica 110:11–37.
- Thomsen, H.A. 1988: Fine structure of *Pyramimonas nansenii* (Prasinophyceae) from Danish coastal waters. – Nordic Journal of Botany 8:305–318.
- Thomsen, H.A. 1992: Loricabærende Choanoflagellater (Kræveflagellater). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:157–194.
- Thomsen, H.A. (ed.) 1992: Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:1–331.

- Thomsen, H.A., Buck, K.R., Bolt, P.A. & Garrison, D.L. 1991: Fine structure and biology of *Cryothecomonas* gen. nov. (Protista incertae sedis) from the ice biota. – *Canadian Journal of Zoology* 69:1048–1070.
- Thomsen, H.A., Hällfors, G., Hällfors, S. & Ikävalko, J. 1993: New observations on the heterotrophic protist genus *Thaumatomastix* (Thaumatomastigaceae, Protista incertae sedis), with particular emphasis on material from the Baltic Sea. – *Annales Botanici Fennici* 30:87–108.
- Thomsen, H.A. & Oates, K. 1978: *Balaniger balticus* gen. et sp. nov. (Prymnesiophyceae) from Danish coastal waters. – *Journal of the Marine Biological Association of the United Kingdom* 58:773–779.
- Trahms, O.-K. 1937(1938): Zur Kenntnis der Salzverhältnisse und des Phytoplanktons der Hiddenseer und der Rügenschens Boddengewässer. – *Archiv für Hydrobiologie* 32:75–90.
- Trahms, O.-K. 1939: Beiträge zur Ökologie küstennaher Brackvässer. 1. Das Plankton des Grossen Jasmunder Boddens. – *Archiv für Hydrobiologie* 35:529–551.
- Trei, T. 1998: A list of phytoplankton in Kuressaare Bay (Gulf of Riga, Baltic Sea). – *Proceedings of the Estonian Academy of Sciences. Biology. Ecology* 47:42–57.
- Uherkovich, G. 1968: Zur Chlorococcalen-Flora Finnlands. I. Ekenäs-Tvärminne-Gegend. 1. – *Acta Botanica Fennica* 82:1–26.
- Üselytė, S. 1961: Baltijos jūros prie Lietuvos TSR krantų kompleksiniai tyrimai. (4. Fitoplanktonas ir jo ryšys su Kuršių mariomis). – *Lietuvos TSR Mokslu Akademijos Darbai, Serija C*, 3(26):101–113.
- Välikangas, I. 1922: Eine von *Euglena viridis* Ehrenb. hervorgerufene Vegetationsfärbung des Eises im Hafengebiet von Helsingfors. – *Översikt av Finska Vetenskaps-Societetens Förhandlingar* 64, Avd. A (6):1–22.
- Viherluoto, M., Kuosa, H., Flinkman, J. & Viitasalo, M. 2000: Food utilization of pelagic mysids, *Mysis mixta* and *M. relicta*, during their growing season in the northern Baltic Sea. – *Marine Biology* 136:553–559.
- Vørs, N. 1988: *Discocelis saleuta* gen. nov. et sp. nov. (Protista incertae sedis) – A new heterotrophic marine flagellate. – *European Journal of Protistology* 23:297–308.
- Vørs, N. 1992: Heterotrofe protister (ekskl. dinoflagellater, loricabærende choanoflagellater og ciliater). – In: Thomsen, H.A. (ed.), *Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen* 11:195–250.
- Vørs, N. 1992: Heterotrophic amoebae, flagellates and heliozoa from the Tvärminne area, Gulf of Finland, in 1988–1990. – *Ophelia* 36:1–109.
- Wasmund, N., Nausch, G. & Matthäus, W. 1998: Phytoplankton spring blooms in the southern Baltic Sea – spatio-temporal development and long-term trends. – *Journal of Plankton Research* 20:1099–1117.
- Wasmund, N., Zalewski, M. & Busch, S. 1999: Phytoplankton in large river plumes in the Baltic Sea. – *ICES Journal of Marine Science* 56 Supplement:23–32.
- Willén, T. 1963: Notes on Swedish plankton algae. – *Nova Hedwigia* 5:39–56, pls 9–13.
- Willén, T. 1992: *Dinobryon faculiferum*, a new name for *Dinobryon petiolatum* (Chrysophyceae: Dinobryaceae). – *Taxon* 41:62–63.
- Willén, T. 1995: Växtp plankton i Östersjön 1979–1988. [Summary: Phytoplankton in the Baltic Sea 1979–1988.] – PMK-utsjöprogrammet. Naturvårdsverket Rapport 4288:1–2, 1–22, apps 68 pp.
- Witek, B. & Pliński, M. 1998: Occurrence of blue-green algae in the phytoplankton of the Gulf of Gdańsk in the years 1994–1997. – *Oceanological Studies* 28(3):77–82.
- Witek, B. & Pliński, M. 2000: The first recorded bloom of *Prorocentrum minimum* (Pavillard) Schiller in the coastal zone of the Gulf of Gdańsk. – *Oceanologia* 42:29–36.
- Wołoszyńska, J. 1935: Uwagi o rzadkiej okrzemce planktonowej wód słonawych *Attheya decora* West. – *Bemerkungen über eine seltene Planktondiatomee des Brackwassers Attheya decora* West. – *Bulletin de l'Académie Polonaise des Sciences et des Lettres, Classe des Sciences Mathématiques et Naturelles – Série B: Sciences Naturelles* (I):65–67.

- Woloszyńska, J. 1935: Opewnym zakwicie sinic w Zatoce Gdańskiej i bujnym rozwoju okrzemki *Chaetoceros Eibonii* Grun – Über eine Wasserblüte von Cyanophyceen in der Danziger Bucht und eine Wucherung der Diatomee *Chaetoceros Eibonii* Grun. – Bulletin de l'Académie Polonaise des Sciences et des Lettres, Classe des Sciences Mathématiques et Naturelles – Série B: Sciences Naturelles (I):101–114, Pls. 6–7.
- Wuorentaus, Y. 1913: Tietoja Pohjanlahden rannikkoplanktonista. – Meddelanden af Societas pro Fauna et Flora Fennica 39:15–25.
- Zembrzuska, D. 1962: Phytoplankton in the Firth of Szczecin (Stettin) . – Annales Biologiques 17:91
- Zernova, V.V. & Shevchenko, V.P. 2001: Structure of the Baltic Sea Phytocene under the conditions of progressive water eutrofication. – Oceanology 41:218–226.
- Zevenboom, W. 1994: Assessment of Eutrophication and its effects in marine waters. – Deutsche Hydrographische Zeitschrift – German Journal of Hydrography Supplement 1:141–170.
- Zmijewska, M.I., Niemkiewicz, E. & Bielecka, L. 2000: Abundance and species composition of plankton in the Gulf of Gdańsk near the planned underwater outfall of the Gdańsk–Wschód (Gdańsk–East) sewage treatment plant. – Oceanologia 42:335–357.

Additional articles containing information on Baltic Sea phytoplankton species

- Abelmann, A. 1985: Palökologische und ökostratigraphische Untersuchungen von Diatomeenassoziationen an holozänen Sedimenten der zentralen Ostsee. – Berichte Reports, Geologisch-Paläontologisches Institut der Universität Kiel 9:
- Andrén, E. 1995: Recording environmental changes in the southern Baltic Sea – current results from a diatom study within Project ODER. – In: Marino, M. & Montresor, M. (eds.), Proceedings of the 13th International Diatom Symposium:443–455. Biopress, Bristol.
- Alasaarela, E. 1979: Ecology of phytoplankton in the north of the Bothnian Bay. – Acta Botanica Fennica 110:63–70.
- Alasaarela, E. 1979: Phytoplankton and environmental conditions in central and coastal areas of the Bothnian Bay. – Annales Botanici Fennici 16:241–274.
- Alasaarela, E. 1980: Phytoplankton and environmental conditions in the northern part of the Bothnian Bay. – Ph.D. thesis (summary), Department of Botany, University of Oulu. Acta Universitatis Ouluensis Series A Scientiae Rerum Naturalium 90, Biologica 7:1–23.
- Alasaarela, E., Haapamäki, J., Heiskanen, M., Inkala, A., Kankaala, P., Keränen, M., Koponen, J. & Kuparinen, J. 1994: Food web dynamics of the Bothnian Bay – field study and modelling approach. – In: The Committee for the Gulf of Bothnia, Swedish Environmental Protection Agency, Annual Report 20. Solna.
- Andersin, A.-B., Haahti, H., Heinänen, A., Karjala, L., Kuparinen, J., Lehtonen, K.K., Leppänen, J.-M., Viitasalo, M. & Widbom, B. 1994: Pelagial-benthos interactions in the southern Bothnian Sea. – In: The Committee for the Gulf of Bothnia, Swedish Environmental Protection Agency, Annual Report 20: Solna.
- Andersson, A., Hajdu, S., Haecky, P., Kuparinen, J. & Wikner, J. 1995: Succession, growth and nutrient limitation of phytoplankton in the Gulf of Bothnia. – In: The Committee for the Gulf of Bothnia, Swedish Environmental Protection Agency, Annual Report 20: Solna.
- Apstein, C. 1902: Das Plankton der Ostsee (Holsatia Expedition 1901). – Abhandlungen d. Deutschen Seefischerei-Vereins 7:103–129.
- Apstein, C. 1911: Biologische Studie über Ceratium tripos var. subsalsa Ostf. – Wissenschaftliche Meeresuntersuchungen N.F. Abt. Kiel 12:135–162.
- Arndt, E.A. 1967: Untersuchungen an Populationen von Ceratium tripos f. subsalsum Ostf. im Gebiet der Südküste der Mecklenburger Bucht. – Wissenschaftliche Zeitschrift der Universität Rostock 16, Mathematisch-Naturwissenschaftliche Reihe 9/10:1199–1206.
- Arndt, H., Schiewer, U., Jost, G., Wasmund, N., Walter, T., Heerkloss, R., Arlt, G. & Arndt, E.A. 1988: The importance of pelagic and benthic microfauna in a shallow water community of the Darss-Zingst estuary, southern Baltic, during mesocosm experiments. – Limnologica (Berlin)
- Aurivillius, C.W.S. 1896: Das Plankton des Baltischen Meeres. – Bihang till K. Svenska Vet.-Akad. Handlingar 21, Afd. IV (8):1–82.
- Autio, R., Heiskanen, A.-S., Hällfors, G., Hällfors, S., Kaitala, S., Kivi, K., Kuosa, H., Kuparinen, J., Kuuopoleinikki, P., Lignell, R., Lindqvist, K., Pajuniemi, R., Ranta, E., Tamminen, T. & Uitto, A. 1990: PELAG II. Ecological Plankton Research of the Baltic Sea. Final Report 1987–1989. – PELAG Press, Helsinki, 172 pp., App. 1–4.
- Bagge, P. & Niemi, Å. 1971: Dynamics of phytoplankton primary production and biomass in Loviisa archipelago (Gulf of Finland). – Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift 233:19–41.
- Balode, M. [Балодэ, М.Я.] 1991: Суточные колебания количественных характеристик фитопланктона Балтийского моря. [Diurnal changes in Baltic phytoplankton.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:46–54. Hydrometeoizdat (Moscow Division).

- Balode, M. 1994: Long-term changes of summer-autumn phytoplankton community in the Gulf of Riga. – In: Guélorget, O. & Lefébvre, A. (eds.), *Baltic Sea and Mediterranean Sea. A comparative ecological approach of coastal environments and paralic ecosystems*. Université de Montpellier II, Montpellier. Pp. 96–99.
- Baltic Marine Environment Protection Commission 1980: Report of the Biological Workshop 26th August to 1st September 1979. Stralsund, GDR. – 183 pp.
- Baltic Marine Environment Protection Commission 1984 (1983): Guidelines for the Baltic Monitoring Programme for the Second Stage. – *Baltic Sea Environment Proceedings* 12:1–251.
- Baltic Sea Environment Protection Commission 1990: Second periodic assessment of the state of the marine environment of the Baltic Sea, 1984–1988; background document. – *Baltic Sea Environment Proceedings* 35B:1–432.
- Baltic Marine Environment Protection Commission 1983: Second Biological Intercalibration Workshop, August 17–20, 1982, Rønne, Denmark. – *Baltic Sea Environment Proceedings* 9:1–95.
- Baltic Marine Environment Protection Commission 1984 (1983): Guidelines for the Baltic Monitoring Programme for the Second Stage. – *Baltic Sea Environment Proceedings* 12:1–251.
- Baltic Sea Environment Protection Commission 1990: Second periodic assessment of the state of the marine environment of the Baltic Sea, 1984–1988; background document. – *Baltic Sea Environment Proceedings* 35B:1–432.
- Barinova, S.P., Forsskåhl, M., Kukk, E., Melnikova, L., Melvasalo, T., Niemi, Å., Piirsoo, K. & Viljamaa, H. 1980: Phytoplankton. – In: Järvekülg, A., Kukk, E., Lassig, J., Melvasalo, T., Niemi, Å. & Saava, A., *Finnish-Soviet intercalibration of biological parameters used for monitoring the conditions of the Gulf of Finland*. *Meri* 8:11–23.
- Basova, S.L. [Басова, С.Л.] 1991: О связи информационного индекса разнообразия и среднего объема фитопланктона Балтийского моря. [Summary: Relations between phytoplankton diversity index and mean cell volume for the Baltic Sea.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), *Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР*. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:227–231. Hydrometeoizdat (Moscow Division).
- Bergman, G.K. 1908: Studier öfver inverkan af Helsingfors affallsvatten på vattnen kring staden sommaren 1908. – *Hälsövärdnämndens i Helsingfors årsberättelse för år 1907*. Helsingfors.
- Bethge, H. 1928: Über die Kieselalge *Skeletonema subsalsum*. – *Berichte der Deutschen Botanischen Gesellschaft* 46:340–347.
- Biernacka, J. 1963: Die Protozoenfauna in Danziger Bucht. – *Polskie Archiwum Hydrobiologii* 11(24), 1, 17–75.
- Björklund, B. 1978: Växtplanktons växlingar i isolerade miljöer och i en meromiktisk kustsjö. – M.Sc. thesis, Institute of Biology, Åbo Akademi, 79 pp.
- Börner, R. 1984: Produktionsbiologisch-ökologische Untersuchungen am Phytoplankton des Zingster Stromes. – Diss. A, Wilhelm-Pieck-Universität Rostock.
- Börner, R. & Kell, V. 1982: Einfluß von Nährstoffanreicherungen auf die Biomasse, Artensequenz und Primärproduktion des Phytoplanktons während einer Komplexanalyse im Zingster Strom (Juni 1981). – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 31, Naturwissenschaftliche Reihe, Heft 6:53–57.
- Borysiak, M. & Ringer, Z. 1982: Composition and biomass distribution of phytoplankton in the southern Baltic in July 1981. – *ICES C.M.* 1982/L:62. 16 pp.
- Bralewska, J.M. 1992: Cyclic seasonal fluctuations of the phytoplankton biomass and composition in the Gdańsk Basin in 1987–1988. – *ICES C.M. Biological Oceanography Committee* L:15. 40 pp..
- Brandt, K. 1920: Vorwort zu W. Busch, Über das Plankton der Kieler Förde im Jahre 1912/13. – *Wissenschaftliche Meeresuntersuchungen Abt. Kiel* N.F. 18:25–40.

- Brattberg, G. 1986: Decreased phosphorus loading changes phytoplankton composition and biomass in the Stockholm Archipelago. – *Vatten* 42:141–153.
- von Bröckel, K., Smetacek, V. & Zeitzschel, B. 1973: Ecological studies of the plankton in Kiel Bight. Field studies and large scale in situ experiments. – *Symposium on Modelling of Marine Systems* 1, 11 p. Ofir, Portugal.
- Bursa, A.S. 1968: Epicenos on *Nodularia spumigena* Mertens in the Baltic Sea. – *Acta Hydrobiologica* 10:267–297.
- Busch, W. 1920: Über das Plankton der Kieler Förde im Jahre 1912/13. – *Wissenschaftliche Meeresuntersuchungen Abt. Kiel N.F.* 18:41–142.
- Büse, T. 1915: Quantitative Untersuchungen von Planktonfängen des Feuerschiffes "Fehmarnbelt" vom April 1910 bis März 1911. – *Wissenschaftliche Meeresuntersuchungen Abt. Kiel N.F.* 17:229–279.
- Bütschli, O. 1885: Einige Bemerkungen über gewisse Organisationsverhältnisse d. Cilioflagellaten und der Noctiluca. – *Morphol. Jahrb.* 10:529–577.
- Büttner, J. 1911: Die farbigen Flagellaten des Kieler Hafens. – *Wissenschaftliche Meeresuntersuchungen Abt. Kiel* 12:121–133.
- Carpenter, E.J., Janson, S., Boje, R., Pollehne, F. & Chang, J. 1995: The dinoflagellate *Dinophysis norvegica*: Biological and ecological observations in the Baltic Sea. – *European Journal of Phycol.* 30:1–9.
- Chojnacki, J., Drzycimski, I. & Dworzak, H. 1980: Plankton investigations in the Southern Baltic coastal zone in 1977/1978. – *Annales Biologiques* 35:120–123.
- Chojnacki, J. & Dworzak, H. 1979: Plankton investigations in the Southern Baltic coastal zone in 1976/1977. – *Annales Biologiques* 34:102–103.
- Chojnacki, J. & Dworzak-Preidl, H. 1981: Plankton studies in the inshore waters of the Southern Baltic in 1979. – *Annales Biologiques* 36:95–98.
- Cleve, P.T. 1889: Pelagiske Diatoméer från Kattegat. – *Det Videnskablige Udbytte af Kanonbaaden Hauchs Togter i de Danske Have*.
- Cleve, P.T. 1891: The diatoms of Finland. – *Acta Societatis pro Fauna et Flora Fennica* 8(2):1–68, 3 pls.
- Cleve-Euler, A. 1937: Undersökningar över Öresund. XXIV. Sundets plankton. 1. Sammansättning och fördelning. – *Lunds Universitets Årsskrift, N.F. Avd. 2, Bd. 33(9)*:1–
- Cleve-Euler, A. 1942: Coscinodisci et Thalassiosirae Fennosueciae. Eine kritische Übersicht. – *Botaniska Notiser* 1942:231–278.
- Cleve-Euler, A. 1951: Die Diatomeen von Schweden und Finnland. I. – *Kungliga Svenska Vetenskapsakademiens Handlingar*, 4. Ser., 2(1):1–163, 56 pls.
- Cleve-Euler, A. 1952: Die Diatomeen von Schweden und Finnland. V. (Schluss.) – *Kungliga Svenska Vetenskapsakademiens Handlingar*, 4. Ser., 3(3):1–154, 46 pls.
- Cleve-Euler, A. 1953a: Die Diatomeen von Schweden und Finnland. II. Arraphideae, Brachyrhaphideae. – *Kungliga Svenska Vetenskapsakademiens Handlingar*, 4. Ser., 4(1):1–158, 36 pls.
- Cleve-Euler, A. 1953b: Die Diatomeen von Schweden und Finnland. III. Monoraphideae, Biraphideae 1. – *Kungliga Svenska Vetenskapsakademiens Handlingar*, 4. Ser., 4(5):1–255, 41 pls.
- Cleve-Euler, A. 1955: Die Diatomeen von Schweden und Finnland. IV. Biraphideae 2. – *Kungliga Svenska Vetenskapsakademiens Handlingar*, 4. Ser., 5(4):1–232, 50 pls.
- Dale, B., Madsen, A., Nordberg, K. & Thorsen, T.A. 1993: Evidence for prehistoric and historic "blooms" of the toxic dinoflagellate *Gymnodinium catenatum* in the Kattegat-Skagerrak region of Scandinavia. – In: Smayda, T.J. & Shimizu, Y. (eds.), *Toxic Phytoplankton Blooms in the Sea. Proceedings of the Fifth International Conference on Toxic Marine Phytoplankton*, Newport, Rhode Island, U.S.A., 28 October – 1 November 1991. *Developments in Marine Biology* 3:47–52. Elsevier.

- Dale, B. & Nordberg, K. 1993: Possible environmental factors regulating prehistoric and historic "blooms" of the toxic dinoflagellate *Gymnodinium catenatum* in the Kattegat-Skagerrak region of Scandinavia. – In: Smayda, T.J. & Shimizu, Y. (eds.), *Toxic Phytoplankton Blooms in the Sea*. Proceedings of the Fifth International Conference on Toxic Marine Phytoplankton, Newport, Rhode Island, U.S.A., 28 October – 1 November 1991. *Developments in Marine Biology* 3:53–57. Elsevier.
- Detmer, A.E., Giesenhausen, H.C., Trenkel, V.M., Auf dem Venne, H. & Jochem, F.J. 1993: Phototrophic and heterotrophic pico- and nanoplankton in anoxic depths of the central Baltic Sea. – *Marine Ecology Progress Series* 99:197–203.
- Driver, H. 1908: *Das Ostseep plankton der vier deutschen Terminfahrten im Jahre 1905*. – *Wissenschaftliche Meeresuntersuchungen N.F. Abt. Kiel* 10:
- Droop, M.R. 1953: On the ecology of flagellates from some brackish and fresh water rockpools of Finland. – *Acta Botanica Fennica* 51: 1–52.
- Edler, L. 1975: Qualitative analysis of phytoplankton. Appendix to Investigation on primary phytoplankton production in the Baltic in 1973. – *Meddelande från Havsfiskelaboratoriet Lysekil* 39:1–7.
- Edler, L. 1977: *Phytoplankton and primary production in the Sound*. – PhD Thesis, 82 pp. Göteborg.
- Edler, L. 1979: Recommendations on methods for marine biological studies in the Baltic Sea – phytoplankton and chlorophyll. – *The Baltic Marine Biologists Publication* 5:1–38.
- Edler, L. 1979: Phytoplankton succession in the Baltic Sea. – *Acta Botanica Fennica* 110:75–78.
- Edler, L. 1982: [What has happened and what can happen? – Algal blooms in the Laholm Bay and internationally.] – In: [Algal Blooms]: 20–24. (In Swedish)
- Edler, L. 1984: A mass development of *Ceratium* species on the Swedish west coast. – *Limnologica (Berlin)* 15:353–358.
- Edler, L., Ærtebjerg, G. & Granéli, E. 1982: Exceptional plankton blooms in the entrance to the Baltic Sea – the Kattegat and Baltic Sea area. – *ICES, C.M.* 1982/L:20. 6 pp.
- Edler, L. & Hageltorn, M. 1990: Identification of the causative organism of a DSP outbreak on the Swedish west coast. – In: Granéli, E., Sundström, B., Edler, L. & Anderson, L. (eds.), *Toxic marine phytoplankton*. Elsevier Science Publishing Co.:345–349.
- Edler, L., Kononen, K. & Kuosa, H. 1996: Harmful algae. – *Third Periodic Assessment of the State of the Marine Environment of the Baltic Sea, 1989–93*. Background Document. *Baltic Sea Environment Proceedings* 64 B:192–194.
- Eklund, B. 1983: Phytoplankton, chlorophyll-a and primary production on the Swedish west coast, 1979–1981. – *National Swedish Environment Protection Board, Report PM 1715:3–29*.
- Elbrächter, M. 1971: *Untersuchungen über die Populationsdynamik und Ernährungsbiologie von Dinoflagellaten im Freiland und im Labor*. – Ph.D. Thesis, Kiel University. 91 pp.
- Fenchel, T., Bernard, C., Esteban, G., Finlay, B.J., Hansen, P.J. & Iversen, N. 1995: Microbial diversity and activity in a Danish fjord with anoxic deep water. – *Ophelia* 43:45–100.
- Fenchel, T. & Finlay, B.J. 1990: Anaerobic free-living protozoa: growth efficiencies and the structure of anaerobic communities. – *FEMS Microbiol. Ecol.* 74:269–276.
- Floderus, S., Heiskanen, A.-S., Olesen, M. & Wassman, P. (eds.) 1995: *Sediment trap studies in the Nordic Countries 3*. Proceedings of a workshop held at the Helsingør Marine Biological Laboratory, Denmark, 21–26 January 1994. – 216 pp. Nurmiprint, Nurmijärvi.
- Florin, M.-B. 1957: Plankton of fresh and brackish waters in the Södertälje area. – *Acta Phytogeographica Suecica* 37:1–144.
- Forsskåhl, M. & Sundberg, A. 1981: Abundance, biomass, species composition of phyto- and zooplankton and their interrelations at the entrance to the Gulf of Finland in 1979. – *Meri* 9:43–55.
- Fraude, H. 1906: *Grund- und Planktonalgen der Ostsee*. – *Jahresbericht d. Geogr. Ges. Greifswald* 10:1–125.

- Gasiūnaitė, Z.R. & Olenina, I. 1998: Zooplankton-phytoplankton interactions: a possible explanation of the seasonal succession in the Kuršių Marios lagoon. – In: Tamminen, T. & Kuosa, H. (eds.), *Eutrophication in planktonic ecosystems: Food web dynamics and elemental cycling. Proceedings of the Fourth International PELAG Symposium, held in Helsinki, Finland, 26–30 August 1996.* Hydrobiologia 363 (Developments in Hydrobiology 127): 333–339.
- Gędziorowska, D. & Pliński, M. 1986: Influence of dissolved substances of humic type on the growth of phytoplankton communities. – in: Muus, K. (ed.), *Proceedings of the 9th Symposium of the Baltic Marine Biologists. Ecology of Coastal Waters. Interactions Between and Within Species.* Turku/Åbo, Finland, 11–15 June 1985. *Ophelia Supplement* 4:335–338.
- Gędziorowska, D. & Pliński, M. 1988: Changes in productivity and species composition of the coastal phytoplankton communities caused by dissolved substances of humic type. – *Kieler Meeresforschungen, Sonderheft* 6:256–264.
- Georgi, F., Spittler, P., Schnese, W. & Schlungbaum, G. 1980: Untersuchungen zur Quantität und Qualität des Sestons in der Darß-Zingster Boddenkette). – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 29, Naturwissenschaftliche Reihe, Heft :27–31.
- Gerlach, S.A. 1990: Nitrogen, phosphorus, plankton and oxygen deficiency in the German Bight and in Kiel Bay. – *Kieler Meeresforschungen Sonderheft* 7:
- Gessner, F. 1933: Phosphat, Nitrat und Planktongehalt im Arkonabecken. – *Journal du Conseil* 8:
- Gollasch, S. & Mecke, R. 1996: Eingeschleppte Organismen. – In: Lozan, J.L., Lampe, R., Matthäus, W., Rachor, E., Rumohr, H. & von Westernhagen, H. (eds.), *Warnsignale aus der Ostsee.* Wissenschaftliche Fakten:146–150. Parey Buchverlag, Berlin.
- Granéli, E., Edler, L., Granéli, W. & Fleisher, S. 1984: Possible causes of changes in the fluctuation and succession of phytoplankton leading to red tide on the Swedish west coast. – In: Boutler, J. (ed.), *17th European Marine Biology Symposium, Brest, France, 1982.* *Oceanologia Acta, Vol. Spéc.:*
- Granéli, E., Paasche, E. & Maestrini, S.Y. 1993: Three years after the *Chrysochromulina polylepsis* bloom in Scandinavian waters in 1988: Some conclusions of recent research and monitoring. – In: Smayda, T.J. & Shimizu, Y. (eds.), *Toxic Phytoplankton Blooms in the Sea. Proceedings of the Fifth International Conference on Toxic Marine Phytoplankton, Newport, Rhode Island, U.S.A., 28 October – 1 November 1991.* *Developments in Marine Biology* 3:23–32. Elsevier.
- Gromisz, S., Witek, Z. & Mackiewicz, T. 1999: The impact of the River Odra on the phytoplankton composition and biomass in the Pomeranian Bay. – *Oceanologia* 41:403–427.
- Grøntved, J. 1948: On the taxonomy of the dinoflagellates in general. – *Det Kgl. Videnskabernes Selskab Biologiske Skrifter* 6(1):1–67.
- Grøntved, J. 1950: Phytoplankton studies. *Nitzschia frigida* Grun., an arctic-inner-Baltic diatom found in Danish waters. – *Det Kgl. Videnskabernes Selskab Biologiske Meddelelser* 18:1–19.
- Grøntved, J. 1960: On the productivity of microbenthos and phytoplankton in some Danish fjords. – *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser. N.S.* 3:55–92
- Grøntved, J. & Steemann Nielsen, E. 1957: Investigations on the phytoplankton in sheltered Danish marine localities. – *Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersøgelser. Serie: Plankton* 5:1–52, 1 pl.
- Hagmeier, E. 1960: Untersuchungen über die Menge und die Zusammensetzung von Seston und Plankton. – Ph.D. thesis, University of Kiel, 168 pp.
- Hajdu, S. 1997: *Chrysochromulina* species (Haptophyta, Prymnesiophyceae) in the phytoplankton of the Baltic Sea. – Lic. Phil. Thesis 1997:2 in *Systems Ecology*, 32 pp. Department of Systems Ecology, Stockholm University.
- Hajdu, S. & Larsson, U. 1990: Spatial and temporal patterns in succession of pelagic diatoms in a brackish water coastal area. – *11th International Symposium on Living and Fossil Diatoms, San Fransisco* 13–17 August 1990. Abstracts, p. 39.

- Hajdu, S., Larsson, U. & Moestrup, Ø. 1996: Seasonal dynamics of *Chrysochromulina* species (Prymnesiophyceae) in a coastal area and a nutrient-enriched inlet of the northern Baltic proper. *Botanica Marina* 39:281–295.
- Hajdu, S. & Willén, T. 1985: Växtplanktonutvecklingen i Bottniska viken under maj månad 1979–1984. – Svenska havsforskningsföreningen, Meddelande 20:161–171.
- Håkansson, H., Hajdu, S., Snoeijs, P. & Loginova, L. 1993: *Cyclotella hakanssoniae* Wendker and its relationship to *C. caspia* Grunow and other similar brackish water *Cyclotella* species. – *Diatom Research* 8:333–347.
- Hällfors, G. 1979 (1980): A preliminary check-list of the phytoplankton of the northern Baltic Sea. – Publications of the Water Research Institute, National Board of Waters, Finland 34(1979):3–24.
- Hällfors, G. 1989: *Chrysochromulina birgeri* G. Hällfors & Niemi (Prymnesiophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 2*. – *Annales Botanici Fennici* 26: 91–92.
- Hällfors, G. 1992: Algbloomingar i Östersjön [Algal blooms in the Baltic Sea]. – In: Engström, W. & Norrgren, L. (eds.), *Östersjön idag och imorgon*: 28–30. Sveriges Lantbruksuniversitet, Uppsala.
- Hällfors, G. & Hällfors, S. 1992: The Tvärminne collection of algal cultures. – *Tvärminne Studies* 5:15–17.
- Hällfors, G. & Niemi, Å. 1974: A *Chrysochromulina* (Haptophyceae) bloom under the ice in the Tvärminne archipelago, southern coast of Finland. – *Memoranda Societatis pro Fauna et Flora Fennica* 50:89–104.
- Hällfors, G. & Niemi, Å. 1975: Diatoms in surface sediment from deep basins in the Baltic proper and the Gulf of Finland. – *Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift* 240:71–77.
- Hällfors, G. & Niemi, Å. 1989: *Anabaena lemmermannii* P. Richter (Nostocophyceae). *Baltic Sea Phytoplankton Identification Sheet No. 1*. – *Annales Botanici Fennici* 26: 89–90.
- Hällfors, G., Niemi, Å., Ackefors, H., Lassig, J. & Leppäkoski, E. 1981: Chapter V. Biological Oceanography. – In: Voipio, A. (ed.), *The Baltic Sea*. Elsevier Oceanography Series 30:219–274. Amsterdam. 418 pp.
- Hällfors, G. & Thomsen, H. A. 1979: Further observations on *Chrysochromulina birgeri* (Prymnesiophyceae) from the Tvärminne archipelago, SW coast of Finland. – *Acta Botanica Fennica* 110:41–46.
- Hällfors, S. & Hällfors, G. 1983: Pohjanpitäjänlahden ja Tammisaaren – Tvärminnen alueen kasviplankton 05.08.1982. [Phytoplankton of the Pojo Bay and the Tammisaari – Tvärminne area on 05.08.1982.] – Länsi-Uudenmaan Vesiensuojeluyhdistys r.y. Mustionjoen, Fiskarsinjoen, Pohjanpitäjänlahden ja Tammisaaren merialueen yhteistarkkailun vuosiyhteenveto 1982. *Tutkimusjulkaisu* 26, Liite 1, 42 pp. (In Finnish)
- Hällfors, S. & Thomsen, H.A. 1985: *Chrysochromulina brachycylindra* sp. nov. (Prymnesiophyceae) from Finnish coastal waters. – *Nordic Journal of Botany* 5:499–504.
- Hasle, G.R. & Syvertsen, E.E. 1990: Arctic diatoms in the Oslofjord and the Baltic Sea – a bio- and palaeogeographic problem? – In: Simola, H. (ed.), *Proceedings of the Tenth International Diatom Symposium Joensuu, Finland, August 28 – September 2, 1988*:285–300. Koeltz Scientific Books, Koenigstein.
- Häyrén, E. 1921: Ett massuppträdande av en *Euglena*-art, förorsakande vegetationsfärgning. – *Meddelanden af Societas pro Fauna et Flora Fennica* 46:1–2.
- Häyrén, E. 1921: Meddelanden om vegetationsfärgningar. – *Meddelanden af Societas pro Fauna et Flora Fennica* 47:82–87.
- Häyrén, E. 1929: Zwei Notizen über das Meereseis und die Algen. – *Memoranda Societatis pro Fauna et Flora Fennica* 5:134–140.
- Häyrén, E. 1940: Tre fall av vegetationsfärgning sommaren 1939. – *Memoranda Societatis pro Fauna et Flora Fennica* 16:2–3.
- Heiskanen, A.-S. 1993: Mass encystment and sinking of dinoflagellates during a spring bloom. – *Marine Biology* 116:161–167.

- Heiskanen, A.-S., 1995: Impact of dinoflagellates on the flux of organic matter collected by sediment traps in the Gulf of Finland (Baltic Sea). – In: Floderus, S., Heiskanen, A.-S., Olesen, M. & Wassman, P. (eds.), *Sediment trap studies in the Nordic Countries 3. Proceedings of a workshop held at the Helsingør Marine Biological Laboratory, Denmark, 21–26 January 1994*:153–167. NurmiPrint.
- Heiskanen, A.-S., Olli, K., Tuomi, P., Boikova, E., Ekebom, J. & Jämlich, S. 1995: The impact of phytoplankton and heterotrophic micro-organisms on the formation and fate of settling organic matter in the Gulf of Riga. – In: Wassman, P. (ed.), *Pelagic eutrofication and sedimentation. Preliminary report for the years 1993 & 1994. Nordisk Miljöforskningsprogram, Miljöforskningssamarbete i Östersjöområdet, part.1*:1–18 + appendix with 4 tables and 30 figs.
- HELCOM 1983: Second Biological Intercalibration Workshop, August 17–20, 1982, Rønne, Denmark. – *Baltic Sea Environment Proceedings* 9:1–94.
- HELCOM 1991: Third Biological Intercalibration Workshop, 27–31 August 1990, Visby, Sweden. – *Baltic Sea Environment Proceedings* 38:1–149.
- Hensen, V. 1887: Über die Bestimmung des Planktons oder des im Meere treibenden Materials an Pflanzen und Tieren. – *Ber. Komm. Wiss. Unters. Deutscher Meere* 5:1–108.
- Hensen, V. 1890: Das Plankton der Östlichen Ostsee und des Stettiner Haffs. – *Ber. Komm. Wiss. Unters. Deutscher Meere* 6:
- Hessle, C. & Vallin, S. 1934: Investigations of plankton and its fluctuations in the Baltic during the years 1925–1927. – *Svenska Hydrogr.-Biol. Komm. Skr. (Biol.)* 1(5):1–132.
- Hickel, W. 1967: Untersuchungen über die Phytoplanktonblüte in der westlichen Ostsee. – *Helgoländer Wissenschaftliche Meeresuntersuchungen* 16:3–66.
- Hobro, R. 1972: Växtplankton i Östersjön. [Phytoplankton in the Baltic.] – In: Landin, J. (ed.), *Djur och växter i Östersjön. [Animals and plants in the Baltic.] Zoologisk Revy* 34:57–68.
- Hobro, R. 1979: Annual phytoplankton successions in a coastal area in the northern Baltic. – In: Naylor, E. & Hartnoll, R.G. (eds.), *Cyclic phenomena in marine plants and animals*:3–10. Pergamon Press.
- Hobro, R. & Willén, E. 1975: Phytoplankton countings and volume calculations from the Baltic – a method comparison. – *Vatten* 4:317–326.
- Holmquist, E. & Willén, T. 1993: Fiskdöd orsakad av *Prymnesium parvum*. [Fish mortality caused by *Prymnesium parvum*.] – *Vatten* 49:110–115.
- Horstmann, U. 1971: Über den Einfluß von häuslichem Abwasser auf das Plankton der Kieler Bucht. – Ph.D. thesis, Kiel University.
- Horstmann, U. 1972: Über den Einfluss von Häuslichen Abwasser auf das Plankton in der Kieler Bucht. – *Kieler Meeresforschungen* 27:178–198.
- Hübel, H. & Hübel, M. 1995: Blooms of blue-green algae in the Baltic Sea: causes – dimensions – consequences. – *Deutsche Hydrographische Zeitschrift – German Journal of Hydrography Supplement* 2:151–158.
- Hübel, H. & Hübel, M. 199(5): Cyanobacterial blooms and nitrogen fixation in coastal waters of the Arkona Sea 1972–1992. – *Archiv für Hydrobiologie, Supplementband (Algological Studies)*:
- Hübel, H., Hübel, M., Komárek, J. & Šmarda, J. 199(5): The *Nodularia* studies 3. Ecology. – *Archiv für Hydrobiologie, Supplementband (Algological Studies)*:
- Huttunen, M., Kononen, K., Leppänen, J.-M. & Willén, T. 1986: Phytoplankton of the open sea areas of the Gulf of Bothnia – observations made in the first stage of the Baltic monitoring programme in 1979–1983. – *Publications of the Water Research Institute, National Board of Waters, Finland* 68:139–144.
- Huttunen, M. & Niemi, Å. 1986: Sea ice algae in the northern Baltic Sea. – *Memoranda Societatis pro Fauna et Flora Fennica* 62:58–62.
- Ikävalko, J. 1998: Microbial communities in sea ice. – *Memoranda Societatis pro Fauna et Flora Fennica* 74:61–66.

- Ikävalko, J., Kristiansen, J. & Thomsen, H.A. 1994: Revision of the taxonomic position of Syncrypta glomerifera (Chrysophyceae), establishment of a new genus Lepidochrysis and observations on the occurrence of L. glomerifera comb. nov. in brackish water. – *Nordic Journal of Botany* 14:339–344.
- Ilus, E. & Keskitalo, J. 1987: Phytoplankton in the sea area around the Loviisa nuclear power station, south coast of Finland. – *Annales Botanici Fennici* 24:35–61.
- Ilus, E., Ojala, J. & Sjöblom, K.-L. 1987: Effect of discharges from the Olkiluoto nuclear power station on the receiving waters. – *Publicatins of the Water Research Institute, National Board of Waters, Finland* 68:145–148.
- Järnefelt, H. 1964: Über das Kammerplankton einer Brackwasserbucht. – *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie* 15:402–414.
- Järvekülg, A., Kukk, E., Lassig, J., Melvasalo, T., Niemi, Å., & Saava, A. 1980: Finnish-Soviet intercalibration of biological parameters used for monitoring the conditions of the Gulf of Finland. – *Meri* 8:1–78.
- Jiang, H. 1996: Diatoms from the surface sediments of the Skagerrak and the Kattegat and their relationships to the spatial changes of environmental variables. – *Journal of Biogeography* 23:129–137.
- Juhlin-Dannfelt, H. 1882: On the diatoms of the Baltic Sea. – *Dissertation, University of Uppsala*. 52 pp.
- Julin, E. & Pekkari, S. 1965: Coastal waters in the region of Haparanda. – In: *Guide to the Post-Congress Excursion A of the XIIIth Congress of the international Association of Limnology held in Finland 1956: The excursion to the region of Haparanda, Aug. 12th, 1956*. *Svensk Botanisk Tidskrift* 50:348–360.
- Jumppanen, K. 1998: Rauman merialueen tarkkailututkimus vuonna 1997. Vuosiyhteenveto. – *Lounais-Suomen vesiensuojeluyhdistys r.y. Tutkimuslustoista* 133:1–48, Apps 1–6.
- Kaiser, W. & Schulz, S. 1973: Biologische Untersuchungen während des Internationalen Ostseejahres (International Baltic Year, IBY) 1969/70. II. Untersuchungen zur Primärproduktion. – *Beiträge zur Meereskunde* 32:9–31.
- Kaiser, W. & Schulz, S. 1978: On the causes for the differences in space and time of the commencement of the phytoplankton bloom in the Baltic. – *Kieler Meeresforschungen, Sonderheft* 4:161–170.
- Kaitala, S., Haario, H., Kivi, K. & Kuosa, H. 1989: Effects of environmental parameters on planktonic communities. – *Chemometrics and Intelligent Laboratory Systems* 7:153–162.
- Kanoshina, I., Lips, U., Kononen, K. & Jaanus, A. 1999: The effect of hydrodynamics on the phytoplankton primary production and species composition at the entrance to the Gulf of Finland (Baltic Sea) in July 1996. – *Proc. Est. Acad. Sci., Biol., Ecol.*
- Karsten, G. 1899: Die Diatomeen der Kielerbucht. – *Wissenschaftliche Meeresuntersuchungen Abt. Kiel* 4:
- Kauppi, P., Hällfors, G., Kangas, P., Kokkonen, P. & Basova, S. 1995: Late summer phytoplankton species composition and biomasses in the eastern Gulf of Finland. – *Proceedings of the International Symposium on Nutrient Dynamics in Coastal and Estuarine Environments, October 13-16, 1993, Helsingør, Denmark*. *Ophelia* 42:179–191.
- Kell, V. 1973: Kurzzeitige Veränderungen des Phytoplanktonvolumens Ende Mai Anfang Juni in den Darßer Boddengewässern (südliche Ostsee). – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 22, Naturwissenschaftliche Reihe, Heft 10:1105–1110.
- Kell, V., Bloß, W., Börner, R., Hagemann, M. & Vökler, T. 1982: Die Sukzession des Phytoplanktons in der Mecklenburger Bucht (südliche Ostsee) in den Jahren von 1977–1980. – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck Universität Rostock* 31, Naturwissenschaftliche Reihe, Heft 6:27–30.
- Kell, V., Martens, B., Pankow, H. & Riesenweber, S. 1975: Mikroalgenbesiedlung der Darßer Boddengewässer (südliche Ostsee) – Artenliste –. – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 24, Naturwissenschaftliche Reihe, Heft 6:725–734.
- Kell, V. & Riesenweber 1975: Das Phytoplankton der Darßer Boddengewässer (südliche Ostsee) in den Jahren 1971 und 1972. – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 24, Naturwissenschaftliche Reihe, Heft 6:719–724.

- Keskitalo, J. 1977: Kasviplanktonlajisto ja -biomassa Eurajoen Olkiluodon edustalla vuosina 1974 ja 1975. – Institute of Radiation Protection, Report STL-B 13:1–8, Figs., Tables.
- Keskitalo, J. & Ilus, E. 1976: Kasviplanktonin perustuotanto, lajisto ja biomassa Loviisan Hästholmenia ympäröivällä merialueella vuonna 1976. – Säteilyturvallisuukslaitos, Raportti. (Mimeographed)
- Keskitalo, J. & Ilus, E. 1977: Kasviplanktonlajisto- ja biomassa Loviisan Hästholmenia ympäröivällä merialueella vuonna 1971. – Säteilyturvallisuukslaitos, Raportti, 14 pp., 6 tables, 14 figs. (Mimeographed)
- Kijowska, T. 1964: Fitoplankton Głębi Bornholmskiej w okresie 1962 i 1963. [Phytoplankton of the Bornholm Deep in 1962 and 1963.] – M.A. Thesis, Wyższ. Szk. Roln. Olsztyn. (In Polish)
- Kimor, B., Moigis, A.G., Dohms, V. & Stienen, C. 1985: A mass occurrence of *Prorocentrum minimum* in the Kiel Fjord. – Marine Ecology Progress Series 27:209–215.
- Kippo-Edlund, P. 1984: Kasviplanktonin koostumus ja biomassa häiriytymättömissä ja rehevöityneissä vesissä saaristomerellä ja kaakkoisella Selkämerellä vuosijaksoina 1966–1970 ja 1979–1982. [Phytoplankton composition and biomass in undisturbed and eutrophied waters in the Archipelago Sea and southeastern Bothnian Sea, in 1966–1970 and 1979–1982.] – M.Sc. thesis, University of Helsinki. Vesihallituksen Monistesarja 239:1–67.
- Kippo-Edlund, P. & Niemi, Å. 1986: Phytoplankton composition and biomass in the Archipelago Sea, Northern Baltic, in 1966–1970 and 1979–1982. – Publications of the Water Research Institute, National Board of Waters, Finland 68:149–154.
- Kivi, K., Kaitala, S., Kuosa, H., Kuparinen, J., Leskinen, E., Lignell, R., Marcussen, B. & Tamminen, T. 1993: Nutrient limitation and grazing control of the Baltic plankton community during annual succession. – Limnology and Oceanography 38:893–905.
- Kivi, K., Kuosa, H. & Tanskanen, S. 1996: An experimental study on the role of crustacean and microprotozoan grazers in the planktonic food web. – Marine Ecology Progress Series 136:59–68.
- Klebs, G. 1884: Ein kleiner Beitrag zur Kenntnis der Peridineen. – Botanische Zeitung 42:721–745.
- Klock, W. 1930: Phytoplanktonuntersuchungen im Brackwassergebiet der Unterwarnow. – Internationale Revue der Gesamten Hydrobiologie und Hydrographie 23:305–416.
- Kokkonen, M. 1997: Kasviplanktonin vuorokaudenaikainen vertikaalinen esiintyminen Suomenlahden suualueella sinileväkukinnan aikana. – M.Sc. thesis, Department of Ecology and Systematics, Division of Hydrobiology, University of Helsinki. 56 pp.
- Komárek, J., Hübel, M., Hübel, H. & Šmarda, J. 1993: The *Nodularia* studies. 2. Taxonomy. – Archiv für Hydrobiologie, Supplementband 96 (Algological Studies 68):1–25.
- Kononen, K. 1983: Kasviplankton. [Phytoplankton in the Bothnian Sea.] – Meri 12:127–129.
- Kononen, K. 1988: Phytoplankton summer assemblages in relation to environmental factors at the entrance to the Gulf of Finland during 1972–1985. – Kieler Meeresforschungen, Sonderheft 6:281–294.
- Kononen, K. & Elbrächter, M. 1996: Gefährdung durch toxische Algen. – In: Lozan, J.L., Lampe, R., Matthäus, W., Rachor, E., Rumohr, H. & von Westernhagen, H. (eds.), Warnsignale aus der Ostsee. Wissenschaftliche Fakten:138–142. Parey Buchverlag, Berlin.
- Kononen, K., Forsskahl, M., Huttunen, M., Sandell, M. & Viljamaa, H. 1984: Practical problems encountered in phytoplankton cell volume calculations using the BMB recommendation in the Gulf of Finland. – Limnologica (Berlin) 15:605–614.
- Kononen, K., Huttunen, M., Kanoshina, I., Laanemets, J., Moisander, P. & Pavelson, J. 1999: Spatial and temporal variability of a dinoflagellate-cyanobacterium community under a complex hydrodynamical influence: a case study at the entrance to the Gulf of Finland. – Marine Ecology Progress Series 186:43–57.
- Kononen, K., Lahdes, E.O. & Grönlund, L. 1993: Physiological and community responses of summer plankton to nutrient manipulation in the Gulf of Finland (Baltic Sea) with special reference to phosphorus. – Sarsia 78:243–253.

- Kononen, K. & Leppänen, J.-M. 1996: Toxic algae in the Baltic Sea. – In: Aktuelle probleme der Meeresumwelt. Vorträge des 6. Wissenschaftlichen Symposiums 14. und 15. Mai 1966 in Hamburg. Deutsche Hydrographische Zeitschrift/German Journal of Hydrography, Supplement 6:33–36.
- Kononen, K. & Leppänen, J.-M. 1996: Merten leväkukinnat ja myrkkylevät. – Ympäristö ja Terveys 27(7):42–46.
- Kononen, K. & Niemi, Å. 1984: Long-term variation of the phytoplankton composition at the entrance to the Gulf of Finland. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem, Lund, Sweden, 10–14 August 1983. Ophelia Supplementum 3:101–110.
- Kononen, K. & Niemi, Å. 1986: Variation in phytoplankton and hydrography in the outer archipelago at the entrance to the Gulf of Finland in 1968–1975. – Finnish Marine Research 253:35–51.
- Kononen, K. & Nömmann, S. 1992: Spatio-temporal dynamics of the cyanobacterial blooms in the Gulf of Finland, Baltic Sea. – In: Carpenter, E.J., Capone, D. & Rueter, J. (eds.), Marine Pelagic Cyanobacteria: Trichodesmium and Other Diazotrophs. NATO ASI Series, Series C. Mathematical and Physical Science 362:95–113. Kluwer, Dordrecht.
- Kononen, K., Nömmann, S., Hansen, G., Hansen, R., Breuel, G. & Gupalo, E. 1992: Spatial heterogeneity and dynamics of vernal phytoplankton species in the Baltic Sea in April–May 1986. – Journal of Plankton Research 14:107–125.
- Kononen, K. & Sellner, K. G. 1995: Toxic cyanobacteria blooms in marine, estuarine and coastal ecosystems. – Pp. 858–860 in: Lassus, P., Arzul, G., Erard-Le Denn, E., Gentien, P. & Marcaillou-Le Baut, C. (eds.), Harmful Algal Blooms. Proceedings of the Sixth International Conference on Toxic Marine Phytoplankton, October 1993, Nantes, France. Lavoisier, Intercept Ltd.
- Kononen, K., Sivonen, K. & Lehtimäki, J. 1993: Toxicity of phytoplankton blooms in the Gulf of Finland and Gulf of Bothnia, Baltic Sea. – In: Smayda, T. J. & Shimizu, Y. (eds.), Toxic Phytoplankton Blooms in the Sea. Proceedings of the Fifth International Conference on Toxic Marine Phytoplankton, Newport, Rhode Island, U.S.A., 28 October – 1 November 1991. Developments in Marine Biology 3:269–273. Elsevier Science Publishers B.V.
- Korschenko, A.N. & Gupalo, E.Y. [Коршенко, А.Н. & Гупало, Е.Ю.] 1991: Планктонные сообщества в районе фронтальной зоны на выходе из Куршского залива Балтийского моря. [Plankton populations in the frontal zone near the mouth of Kurshu Bay, Baltic Sea.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:295–305. Hydrometeoizdat (Moscow Division).
- Kosakowska, A. 1998: The role of nitrilotriacetic acid as a modifying factor of phytoplankton growth. – Oceanological Studies 27:61–68.
- Kostrichkina, E., Ikauniece-Grunde, A., Kalveka, B. & Mazmachs, M. 1994: 'Nutrients-phyto-zooplankton' in the gulf of Riga through the process of annual succession of plankton communities. – In: Guelorget, O. & Lefebvre, A. (eds.), Baltic Sea and Mediterranean Sea. A comparative ecological approach of coastal environments and paralic ecosystems. Montpellier. Pp. 100–109.
- Kostrichkina, E., Kalveka, B., Jansone, B. & Ikauniece-Grunde, A. 1994: Planktonic communities in the conditions of eutrophication of the Gulf of Riga. – In: Guelorget, O. & Lefebvre, A. (eds.), Baltic Sea and Mediterranean Sea. A comparative ecological approach of coastal environments and paralic ecosystems. Montpellier. Pp. 110–115.
- Kraneis, W. 1974: Untersuchungen über den Bestand und die Artenzusammensetzung des Mikroplanktons bei Boknis Eck (Kieler Bucht). – Diplom-Arbeit Universität Kiel, 52 p.
- Krey, J. 1974: Das Plankton. – In: Maagard, L. & Rheinheimer, G. (eds.), Meereskunde der Ostsee: 103–130. Springer-Verlag.

- Kruk-Dowgiałło, L. & Wiktor, J. 1984: The phytoplankton of the southern part of the Baltic Sea in the years 1979–1983. – Report for the BMP First Periodic Assessment. 4 pp., 16 tables (18 pp), 2 figs. (Mimeographed)
- Krylova, O.I. 1980: Seasonal variability of phytoplankton communities in the Kuršių Marios lagoon. – *Trudy AtlantNIRO*:25–42.
- Krylova, O.I. 1985: Functioning ecological differences of plankton and benthos in the Kuršių and Vistula lagoons of the Baltic Sea. – *AtlantNIRO*, Kaliningrad, 224 pp.
- Krylova, O.I. & Naumenko, E.N. 1992: Phytoplankton and primary production of the Vistula Bay. – *Ecological Fisheries Research in the Vistula Bay of the Baltic Sea. Trudy AtlantNIRO*:14–33.
- Kukk, E. & Trei, T. 1994: Phytoplankton species composition and biomass in the straits of Väike Väin. – In: *Ecological studies in the aquatic environment of Väike Väin in West Estonia. Estonian-Finnish cowork during summer 1993*:42–48. Yliopistopaino, Helsinki.
- Kuosa, H. 1988: Occurrence of autotrophic picoplankton along an open sea – inner archipelago gradient in the Gulf of Finland, Baltic Sea. – *Ophelia* 28:85–93.
- Kuosa, H. 1988: Horizontal mesoscale distribution of phytoplankton in the Tvärminne sea area, southern Finland. – In: Jones, R. I. & Ilmavirta, V. (eds.), *Flagellates in Freshwater Ecosystems. Hydrobiologia* 161 (Developments in Hydrobiology 45):69–73.
- Kuosa, H. 1990: Subsurface chlorophyll maximum in the northern Baltic Sea. – *Archiv für Hydrobiologie* 118:437–447.
- Kuparinen, J., Leonardsson, K., Mattila, J. & Wikner, J. 1996: Food web structure and function in the Gulf of Bothnia, the Baltic Sea. – *Ambio Special Report* 8:13–21.
- Lagus, A. 1998: Epibiontiska alger på hjuldjur (Rotifera) i havsvikar på Åland. – M.Sc. thesis, Department of Biology, Åbo Akademi.
- Lagus, A. 1998: Pääväxtalger på djurplankton. – *Skärgård* 2/1998:22–25.
- Larsen, J. & Moestrup, Ø. 1989: Guide til toksiske og potentielt toksiske marine alger. Guide to toxic and potentially toxic marine algae. – Pp. 3–60 in: Bjergskov, T., Larsen, J., Moestrup, Ø., Sørensen, H.M. & Krogh, P. 1990, *Toksiske og potentielt toksiske alger i danske farvande: Kontrolforanstaltninger. Taxonomi. Økologi. Toksikologi. Fiskeriministeriets Industrilsyn. The Fish Inspection Service, Ministry of Fisheries, Copenhagen.*
- Latała, A. 1989: [Collection of algal cultures at Laboratory of Ecology of Marine Plants.] – Manuscript. University of Gdańsk. (In Polish)
- Latała, A. 1991: Effects of salinity, temperature and light on the growth and morphology of green planktonic algae. – *Oceanologia* 31:119–138.
- Lazar-Dmytrenko, J. 1967: Fitoplankton Głębi Arkońskiej w okresie 1951 i 1952. [Phytoplankton of the Arkona Deep in 1951 and 1952.] – M.A. Thesis, Wyższ. Szk. Roln. Olsztyn. (In Polish)
- Leegaard, C. 1920: Microplankton from the Finnish waters during the month of May 1912. – *Acta Societatis Scientiarum Fennicae* 48(5):1–44, 1 table.
- Lehtimäki, J. 2000: Characterization of cyanobacterial strains originating from the Baltic Sea with emphasis on *Nodularia* and its toxin, nodularin. – Ph.D. Thesis (summary), 79 pp.
- Lehtimäki, J., Lyra, C., Suomalainen, S., Sundman, P., Rouhiainen, L., Paulin, L., Salkinoja-Salonen, M. & Sivonen, K. 2000: Characterization of *Nodularia* strains, cyanobacteria from brackish waters, by genotypic and phenotypic methods. – *International Journal of Systematic and Evolutionary Microbiology* 50:1043–1053.
- Lemmermann, E. 1900: Das Phytoplankton brackischer Gewässer. – *Bericht der Deutschen Botanischen Gesellschaft* 18:94–
- Lemmermann, E. 1900: Peridinales aquae dulcis et submarinae. Beitr. zur Kenntnis der Planktonalgen. – *Hedwigia* 39, Beibl. 4:

- Lemmermann, E. 1901: Zur Kenntnis der Algenflora des Saaler Boddens. – Forschungsberichte aus der Biologischen Station zu Plön 8:74–85.
- Lemmermann, E. 1901: Das Phytoplankton des Ryck und des Greifswalder Boddens. – Bericht der Deutschen Botanischen Gesellschaft 19:85–
- Lemmermann, E. 1904: Das Plankton schwedischer Gewässer. – Arkiv för Botanik 2:
- Lemmermann, E. 1906: Über das Vorkommen von Süßwasserformen im Phytoplankton des Meeres. – Archiv für Hydrobiologie und Planktonkunde 1:409–427
- Lemmermann, E. 1908: Flagellatae, Chlorophyceae, Coccosphaerales und Silicoflagellatae. – Nordisches Plankton 21:
- Lenz, J. 1995: Phytoplankton. – In: Rheinheimer, G. (ed.), Meereskunde der Ostsee. Springer.
- Leppänen, J.-M., Kononen, K., Behrends, G. & Hansen, G. 1990: Intercomparison of the measurement of chlorophyll a concentration, primary production capacity, and phyto- and zooplankton abundances during the Baltic Sea Patchiness Experiment (PEX'86). – Finnish Marine Research 257:37–57.
- Leppänen, J.-M. & Rantajärvi, E. 1995: Unattended recording of phytoplankton and supplemental parameters on board merchant ships – an alternative to the conventional algal monitoring programmes in the Baltic Sea. – Pp. 719–724 in: Lassus, P., Arzul, G., Erard-Le Denn, E., Gentien, P. & Marcaillou-Le Baut, C. (eds), Harmful Algal Blooms. Proceedings of the Sixth International Conference on Toxic Marine Phytoplankton, October 1993, Nantes, France. Lavoisier, Intercept Ltd.
- Levander, K.M. 1891: Mikrofaunistiska anteckningar. – Meddelanden af Societas pro Fauna et Flora Fennica 17:129–143.
- Levander, K.M. 1891-92: Protozoer och rotatorier från Esbo skärgård. – Meddelanden af Societas pro Fauna et Flora Fennica 18:
- Levander, K. M. 1892: Verzeichniss der während des Sommer 1891 bei Rostock beobachteten Protozoen. – Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg 1892. 5 pp.
- Levander, K.M. 1892: Notiz über die Täfelung der Schalenmembran des Glenodinium cinctum Ehb. – Zoologische Anzeiger 15(405):405–408.
- Levander, K.M. 1893: Peridinium catenatum. – Meddelanden af Societas pro Fauna et Flora Fennica 19:144.
- Levander, K.M. 1894: Peridinium catenatum n. sp. Eine kettenbildende Peridinee im Finnischen Meerbusen. – Acta Societatis pro Fauna et Flora Fennica 9(10):1–18, 1 pi.
- Levander, K.M. 1894: Liste über im Finnischen Meerbusen in der Umgebung von Helsingfors beobachtete Protozoen. – Zoologische Anzeiger 17:209–212.
- Levander, K.M. 1894: Kleine Beiträge zur Kenntnis Thierlebens unter dicker Eisdecke in einigen Gewässern Finnlands. – Meddelanden af Societas pro Fauna et Flora Fennica 20:66–71.
- Levander, K.M. 1900: Über das Herbst- und Winter-Plankton im Finnischen Meerbusen und in der Ålands-See 1898. – Acta Societatis pro Fauna et Flora Fennica 18(5):1–25.
- Levander, K.M. 1900: Zur Kenntnis des Lebens in den stehenden Kleingewässern auf den Skäreninseln. – Acta Societatis pro Fauna et Flora Fennica 18(6):1–107.
- Levander, K.M. 1900: Om några intressanta faunistiska fynd i planktonprover från Ålands hav och Finska viken. – Meddelanden af Societas pro Fauna et Flora Fennica 25:
- Levander, K.M. 1902–1911: Plankton Tabellen für Finnland. – Conseil intern. pour l'explor. de la mer: Bulletins
- Levander, K.M. 1903: Über die Zusammensetzung des Zooplanktons im Finnischen Meerbusen. – Föhandl. vid nord. naturforsk. o. läkaremötet i Helsingfors 1902:
- Levander, K.M. 1904: Zur Kenntnis der Rhizosolenien in Finland. – Meddelanden af Societas pro Fauna et Flora Fennica 30:112–117.
- Levander, K.M. 1908: Muutamia havaintoja Töölönlahden veden "viheriöimisestä". – Luonnon Ystävä 12:114–118.
- Levander, K.M. 1910: Meriveden planktonista. – Suomen Kartasto 1910, karttalehti no. 6b–9, pp. 41–52.

- Levander, K.M. 1911: III. Hafsplankton. – Atlas Öfver Finland 1910. – (Kartbladet N:o 21 b):35–45.
- Levander, K.M. 1913: Till kännedom om planktonbeskaffenheten i Helsingfors inre hamnar. – Meddelanden af Societas pro Fauna et Flora Fennica 39:26–36.
- Levander, K.M. 1914: Zur Kenntnis der Bucht Tavastfjärd in hydrobiologischer Hinsicht. – Meddelanden af Societas pro Fauna et Flora Fennica 40:245–264.
- Levander, K.M. 1915: Zur Kenntnis der Bodenfauna und des Planktons der Pojowiek. – Fennia 35(2):1–39.
- Levander, K.M. 1918: Meddelande om Helsingfors hamnplankton. – Meddelanden af Societas pro Fauna et Flora Fennica 44:217–219.
- Levander, K.M. 1903: (January and) February 1903: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1902–1903. Part D, February 1903:148–149 (D30–D31).
- Levander, K.M. 1903: May (and June) 1903: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1902–1903. Part D, February and May 1903:238–241 (D68–D71).
- Levander, K.M. 1904: August 1903: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1903–1904. Part D, August 1903:D2–D11.
- Levander, K.M. 1904: November 1903: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1903–1904. Part D, August and November 1903:D74–D81.
- Levander, K.M. 1904: (January) February (March) 1904: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1903–1904. Part D, February 1904:D116–D117.
- Levander, K.M. 1904: May 1904: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1903–1904. Part D, May 1904:D148–D153.
- Levander, K.M. 1905: August 1904: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1904–1905. Part D, August 1904:D2–D12.
- Levander, K.M. 1905: (January) February (March) 1905: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1904–1905. Part D, February 1905:D106.
- Levander, K.M. 1905: May 1905: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin des Résultats Acquis Pendant les Courses Périodiques. Année 1904–1905. Part D, May 1905:D134–D145.
- Levander, K.M. 1907: August 1905: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisieres Périodiques et dans les Périodes Intermédiaires. Année 1905–1906. Part D, August 1905:D2–D9.
- Levander, K.M. 1907: (October) November 1905: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisieres Périodiques et dans les Périodes Intermédiaires. Année 1905–1906. Part D, November 1905:D28–D33.
- Levander, K.M. 1907: (January) February 1906: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisieres Périodiques et dans les Périodes Intermédiaires. Année 1905–1906. Part D, February 1906:D62.

- Levander, K.M. 1907: May 1906: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1905–1906. Part D, May 1906:D96–D101.
- Levander, K.M. 1908: August 1906: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1906–1907. Part D, August 1906:D2–D7.
- Levander, K.M. 1908: November 1906: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1906–1907. Part D, November 1906:D40–D43.
- Levander, K.M. 1908: February (January) 1907: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1906–1907. Part D, February 1907: D76–D77.
- Levander, K.M. 1908: (May) June 1907: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1906–1907. Part D, May 1907:D98–D99.
- Levander, K.M. 1909: July–August 1907: Plankton-tables for Finland. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Trimestriel des Résultats Acquis Pendant les Croisières Périodiques et dans les Périodes Intermédiaires. Année 1907–1908. Part D, August 1907:D4–D7.
- Levander, K.M. 1912: Finland. Plankton-tables for July 1908, July 1909, May 1910, October 1910, May 1911, October 1911. – Conseil Permanent International pour l'Exploration de la Mer. Bulletin Planktonique pour les Années 1908–1911. 1. Listes Planktoniques des Croisières Périodiques pour les Années 1908–1911:8–31.
- Levander, K. (†) & Purasjoki, K.J. 1947: Plankton gesammelt in den Jahren 1899–1910 an den Küsten Finnlands. – Finnländische Hydrographisch-Biologische Untersuchungen 11:1–50.
- Lignell, R., Heiskanen, A.-S., Kuosa, H., Gundersen, K., Kuuppo-Leinikki, P., Pajuniemi, R. & Uitto, A. 1993: Fate of a phytoplankton spring bloom: sedimentation and carbon flow in the planktonic food web in the northern Baltic. – Marine Ecology Progress Series 94:239–252.
- Lignell, R., Kaitala, S. & Kuosa, H. 1992: Factors controlling phyto- and bacterioplankton in late spring on a salinity gradient in the northern Baltic. – Marine Ecology Progress Series 84:121–131.
- Lindahl, G. & Wallström K. 1980: Växtplankton i Öregrundsgrepen, SV Bottenhavet. – Meddelande från Växtbiologiska Institutionen, Uppsala 1980(8):1–27.
- Lindholm, T. 1975: Coastal meromictic lakes on Åland (SW Finland). – Aqua Fennica 1975:24–40.
- Lindholm, T. 1979: Siphon sampling in meromictic lakes. – Acta Botanica Fennica 110:91–93.
- Lindholm, T. 1981: On the ecology of *Mesodinium rubrum* (Lohmann) (Ciliata) in a stagnant brackish basin on Åland, SW Finland. – Kieler Meeresforschungen, Sonderheft 5:117–123.
- Lindholm, T. 1982: Dynamics of hydrography and primary production in three stratified coastal lakes on Åland (SW Finland). – Acta Academiae Aboensis, Ser. B., 42:1–75.
- Lindholm, T. 1985: *Mesodinium rubrum* – a unique photosynthetic ciliate. – Adv. Aquatic Microbiol. 3:1–48.
- Lindholm, T. 1991: Från havsvik till insjö. – Miljöförlaget, Helsingfors. 160 pp. [in Swedish].
- Lindholm, T. 1992: Ecological role of depth maxima of phytoplankton. – Archiv für Hydrobiologie Beiheft Ergebnisse der Limnologie 35:33–45.
- Lindholm, T. 1994: The meaning of some common terms used in sampling toxic phytoplankton. – Freshwater Forum 4:97–103.
- Lindholm, T. 1995: Alger och algproblem i kustvatten. – Nordiska Ministerrådets skärgårdssamarbete, Rapport:67–71.

- Lindholm, T. 1995: Green water caused by *Eutreptiella gymnastica* (Euglenophyceae) in a stratified Baltic Sea inlet. – Pp. 181–186 in: Lassus, P., Arzul, G., Erard-Le Denn, E., Gentien, P. & Marcaillou-Le Baut, C. (eds.), Harmful Algal Blooms. Proceedings of the Sixth International Conference on Toxic Marine Phytoplankton, October 1993, Nantes, France. Lavoisier, Intercept Ltd.
- Lindholm, T. 1998: Alger påverkar fisk, fisk påverkar alger. – Skärgård 2/1998:19–21.
- Lindholm, T. 1999: Alger och algbloomingar. – Fiskeritidskrift för Finland, Ny Serie 43(3):4–7.
- Lindholm, T. & Öhman, P. 1995: Occurrence of bloom-forming and potentially harmful phytoplankton in the Åland archipelago in the summer of 1993. – Memoranda Societatis pro Fauna et Flora Fennica 71:10–18.
- Lindholm, T., Öhman, P., Kurki-Helasma, K., Kincaid, B. & Meriluoto, J. 1999: Toxic algae and fish mortality in a brackish-water lake in Åland, SW Finland. – Hydrobiologia
- Lindholm, T. & Virtanen, T. 1992: A bloom of *Prymnesium parvum* Carter in a small coastal inlet in Dragsfjärd, Southwestern Finland. – Environmental Toxicology and Water Quality 7:165–170.
- Lindholm, T. & Weppling, K. 1987: Blooms of phototrophic bacteria and phytoplankton in a small brackish lake on Åland, SW Finland. – In: Lindholm, T. (ed.), Ecology of photosynthetic procaryotes with special reference to meromictic lakes and coastal lagoons. Proceedings of an International Seminar, Tvärminne Zoological Station, Finland, 17–20 October 1985. Acta Academiae Aboensis, Ser. B, 47(2):45–53.
- Lindholm, T., Weppling, K. & Jensen, H.S. 1985: Stratification and primary production in a small brackish lake studied by close-interval siphon sampling. – Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie 22:2190–2194.
- Lohmann, H. 1908: Untersuchungen zur Feststellung des vollständigen Gehaltes des Meeres an Plankton. – Wissenschaftliche Meeresuntersuchungen Abt. Kiel N.F. 10:129–370.
- Lohmann, H. 1911: Über das nannoplankton und die Zentrifugierung kleinster Wasserproben zur Gewinnung desselben in lebendem Zustand. – Internationale Revue der Gesamten Hydrobiologie und Hydrographie 4:1–38.
- Mackiewicz, T. 1989: Skład i zmiany sezonowe nanoplanktonowych wiciowców w Zatoce Gdańskiej w 1987 r. – Biul. Mors. Inst. Ryb. w Gdyni 5–6(115–116):11–18.
- Mackiewicz, T. 1995: [Nanoplankton of the Gulf of Gdańsk.] – Stud. Mater. Mors. Inst. Ryb. Gdynia 32A:1–41. (in Polish)
- Maestrini, S.Y., Balode, M., Béchemin, C., Purina, I. & Vêrité, C. 1997: Nutrients limiting the Algal Growth Potential (AGP) in the Gulf of Riga, eastern Baltic Sea, in spring and early summer 1996. – La Mer 35:49–68.
- Martens, B. & Pankow, H. 1972: Taxonomische Bemerkungen zu einigen Algen aus den Boddengewässern des Darß und des Zingst (südliche Ostsee) – Internationale Revue der Gesamten Hydrobiologie 57:779–800.
- McKellar, H. & Hobro, R. 1976: Phytoplankton – zooplankton relationships in 100-liter plastic bags. – Contributions from the Askö Laboratory 13:1–83.
- Melvasalo, T. 1971: Havaintoja Helsingin ja Espoon merialueiden kasviplanktonlajistosta ja -biomassoista vuosina 1966–1970. [Sammanfattning: Observationer av växtplanktonarter och -biomassor i Helsingfors och Esbo havsområden åren 1966–1970. Summary: Observations on phytoplankton species and biomass in the sea area of Helsinki and Espoo in 1966–1970.] – Vesiensuojelulaboratorio Tiedonantoja. [Meddelanden från Vattenskyddslaboratoriet. Reports of the Water Conservation Laboratory] 3(10):1–97, refs 7 pp., app. 7 pp.
- Melvasalo, T. & Viljamaa, H. 1975: Plankton composition in the Helsinki sea area. – Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift 239:301–310.
- Melvasalo, T. & Viljamaa, H. 1977: Planktonic blue-green algae in polluted coastal waters off Helsinki. – Publications of the Water Research Institute, National Board of Waters, Finland 19:1–35.

- Melvasalo, T., Viljamaa, H. & Huttunen, M. 1973: Planktonanalyysimenetelmät vuosina 1966–1972. [Planktonmethods in the Water Conservation Laboratory in 1966–1972.] – Vesiensuojelulaboratorion Tiedonantoja (Reports of the Water Conservation Laboratory) 5(2):1–21, 3 apps, 14 pp.
- Merkle, H. 1908: Das Plankton der deutschen Ostseefahrt. – Wissenschaftliche Meeresuntersuchungen N.F. Abt. Kiel 9:
- Merkle, H. 1910: Das Plankton der deutschen Ostseefahrt Juli-August 1907. – Wissenschaftliche Meeresuntersuchungen N.F. Abt. Kiel 11:
- Meskus, E., Alasaarela, E. & Salmela, R. 1977: Kemin edustan merialueen tarkkailututkimukset ja biologinen perustutkimus vv. 1974–1976. – Pohjois-Suomen Vesitutkimustoimisto. 85 pp. Oulu (Mimeographed)
- Miller, U. 1986: Ecology and palaeoecology of brackish water diatoms with special reference to the Baltic Sea. – In: Ricard, M. (ed.), Proceedings of the 8th International Diatom Symposium: 601–611. Koeltz Scientific Books, Koenigstein.
- Möbius, K. 1887: Systematische Darstellung der Tiere des Plankton, gewonnen in der westlichen Ostsee un auf einer Fahrt von Kiel in den Atlantischen Ozean bis jenseits der Hebriden. – Ber. Komm. Wiss. Untersuch. Deutsch. Meere, Kiel 5:115–126, pls 7–8.
- Moestrup, Ø. & Larsen, J. 1990: Appendix. Potentielt toksiske blågrønalger. – Pp. 177–200 in: Bjergskov, T., Larsen, J., Moestrup, Ø., Sørensen, H.M. & Krogh, P., Toksiske og potentielt toksiske alger i danske farvande: Kontrolforanstaltninger. Taxonomi. Økologi. Toksikologi. Fiskeriministeriets Industritilsyn. The Fish Inspection Service, Ministry of Fisheries, Copenhagen.
- Moigis, A.G. 1983: Zur Größenstruktur und Ökologie des Phytoplanktons in der Kieler Förde unter dem Aspekt einer möglichen Ölverschmutzung. – Ph.D. thesis, Kiel University. 171 pp.
- Moisander, P.H., Rantajärvi, E., Huttunen, M. & Kononen, K. 1997: Phytoplankton community in relation to salinity fronts at the entrance to the Gulf of Finland, Baltic Sea. – *Ophelia* 46:187–203.
- Mölder, K. 1962: Über die Diatomeenflora des Bottnischen Meerbusens und der Ostsee. – Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift 203:1–58.
- Mölder, K. & Tynni, R. 1967: Über Finnlands rezente und subfossile Diatomeen I. – Bulletin de la Commission Géologique de Finlande 229/Comptes Rendus de la Société Géologique de Finlande 39:199–217.
- Mölder, K. & Tynni, R. 1968: Über Finnlands rezente und subfossile Diatomeen II. – Bull. Geol. Soc. Finland 40:151–170.
- Mölder, K. & Tynni, R. 1969: Über Finnlands rezente und subfossile Diatomeen III. – Bull. Geol. Soc. Finland 41:235–251.
- Mölder, K. & Tynni, R. 1970: Über Finnlands rezente und subfossile Diatomeen IV. – Bull. Geol. Soc. Finland 42:129–144.
- Mölder, K. & Tynni, R. 1971: Über Finnlands rezente und subfossile Diatomeen V. – Bull. Geol. Soc. Finland 43:203–220.
- Mölder, K. & Tynni, R. 1972: Über Finnlands rezente und subfossile Diatomeen VI. – Bull. Geol. Soc. Finland. 44:141–149.
- Mommaerts, J.P. 1985: Observations of phytoplankton blooms in the ICES area. – *Annales Biologiques* 39:85–89.
- Mommaerts, J.P. 1986: Observations of phytoplankton blooms in the ICES area in 1983. – *Annales Biologiques* 40:84–85.
- Morris, R.J., Niemi, Å., Niemistö, L. & Poutanen, E.-L. 1988: Sedimentary record of seasonal production and geochemical fluxes in a nearshore coastal embayment in the northern Baltic Sea. – *Finnish Marine Research* 256:77–94.
- Müller-Haeckel, A. 1983: Winter-spring development of phytoplankton near the coast of the northern Bothnian Sea. – *Aquilo Ser. Zoologica* 22:139–146.

- Nauwerck, A. 1978: Vattenkvalitet, sedimentkvalitet och vegetationsförhållanden i Bottenviken vid Norrbottenskusten augusti 1974. En inventering genomförd av länsstyrelsen i Norrbottens län naturvårdsenheten. – 48 pp., Luleå. (mimeographed)
- Nehring, S. 1994: Spatial distribution of dinoflagellate resting cysts in recent sediments of Kiel Bight, Germany (Baltic Sea) – *Ophelia* 39:137–158.
- Neuer, S. 1986: Ökologische Beobachtungen an sommerlichen Planktongemeinschaften in der Kieler Bucht. – Diploma thesis, University of Kiel.
- Nielsen, J. 1956: Temporary variations in certain marine ceratia. – *Oikos* 7:256–272.
- Niemi, Å. 1971: Late summer phytoplankton of the Kimito archipelago (SW coast of Finland). – *Merentutkimuslaitoksen Julkaisu / Havsforskningsinstitutets Skrift* 233: 3–17.
- Niemi, Å. 1971: Itämeren planktonista. [Summary: On the plankton of the Baltic.] – *Luonnon Tutkija* 75:92–105.
- Niemi, Å. 1972: Effects of toxicants on brackish-water phytoplankton assimilation. – *Societas Scientiarum Fennica, Commentationes Biologicae* 55:1–19.
- Niemi, Å. 1973: Ecology of phytoplankton in the Tvärminne area, SW coast of Finland. I. Dynamics of hydrography, nutrients, chlorophyll a and phytoplankton. – *Acta Botanica Fennica* 100:1–68.
- Niemi, Å. 1975: Ecology of phytoplankton in the Tvärminne area, SW coast of Finland. II. Primary production and environmental conditions in the archipelago and sea zone. – *Acta Botanica Fennica* 105:1–73.
- Niemi, Å. 1976: Växtplanktonets ekologi och miljö i Tvärminneområdet. [Ecology and environment of phytoplankton in the Tvärminne area.] – Ph.D. thesis, summary (in Swedish). Helsingin Yliopiston Kasvitieteen Laitoksen Julkaisuja / Helsingfors Universitets Botaniska Institutioner Publikationer 2:1–21.
- Niemi, Å. 1976: Blomning av blågrönalger i Östersjön. – *Nordenskiöld-Samfundets Tidskrift* 36:14–25.
- Niemi, Å. 1982: Dynamics of phytoplankton in the brackish-water inlet Pojoviken, southern coast of Finland. – *Hydrobiologia* 86:33–39.
- Niemi, Å. 1982: Plankton blooms in the central and northern Baltic Sea. – *ICES C.M.* 1982/L:10. 11 pp.
- Niemi, Å. 1985: Factors influencing the vernal phytoplankton bloom at Tvärminne Storfjärd, outer archipelago of the southern coast of Finland. – In Trei, T. (ed.), *Problems Concerning Bioindication of the Ecological Condition of the Gulf of Finland*. Academy of Sciences of the Estonian SSR, Institute of Zoology and Botany, Hydrobiological Researches 15:16–27.
- Niemi, Å. 1986: Algsamhällen i havsisen. – *Nordenskiöld-Samfundets Tidskrift* 46:3–19.
- Niemi, Å. 1988: Exceptional mass occurrence of *Microcystis aeruginosa* (Kützinger) Kützinger (Chroococcales, Cyanophyceae) in the Gulf of Finland in autumn 1987. – *Memoranda Societatis pro Fauna et Flora Fennica* 64:165–167.
- Niemi, Å. & Åström, A.-M. 1987: Ecology of phytoplankton in the Tvärminne area, SW coast of Finland. IV. Environmental conditions, chlorophyll a and phytoplankton in winter and spring 1984 at Tvärminne Storfjärd. – *Annales Botanici Fennici* 24:333–352.
- Niemi, Å. & Hällfors, G. 1973: Nordiska kursen i Tvärminne 30.7.–16.8.1972: "Brackvattnets fytoplankton: ekologi, taxonomi samt primärproduktion". [The Nordic Course in Tvärminne 30.7.–16.8.1972: "Brackish-water phytoplankton: ecology, taxonomy and primary production".] – Mimeogr., 37 pp. (in Swedish).
- Niemi, Å. & Hällfors, G. 1974: Some phytoplankton species from Baltic waters. – *Memoranda Societatis pro Fauna et Flora Fennica* 49:77–93.
- Niemi, Å., Melvasalo, T. & Heinonen, P. 1985: Phytoplankton counting techniques and primary production measurements – Comments on the results of intercalibration. – *Aqua Fennica* 15:89–103.
- Niemi, Å. & Pesonen, L. 1974: Primärproduktionen som kriterium vid uppskattningen av recipienters föroreningsgrad. – Nionde Nordiska Symposiet om Vattenforskning. Fjorder og Kystvann som Resipienter. Trondheim 27–29 juni 1973. Nordforsk Miljövårdssekretariatet Publ. 1974(4):173–188.

- Niemi, Å. & Pesonen, L. 1974: Kasviplanktonin perustuotanto Suomenlahden trofia-asteen ilmentäjänä. [Summary: Phytoplankton primary production as an indicator of trophic status in the Gulf of Finland.] – *Luonnon Tutkija* 78:1–11.
- Niemi, Å. & Ray, I.-L. 1975: Phytoplankton production in Finnish coastal waters. Report 1: Phytoplankton biomass and composition in 1972. – *Meri* 1:24–40.
- Niemi, Å. & Ray, I.-L. 1977: Phytoplankton production in Finnish coastal waters. Report 2: Phytoplankton biomass and composition in 1973. – *Meri* 4:6–22.
- Niemi, Å., Skuja, H. & Willén, T. 1970: Phytoplankton from the Pojoviken – Tvärminne area, S. coast of Finland. – *Memoranda Societatis pro Fauna et Flora Fennica* 46:14–28.
- Niemkiewicz, E. & Wrzolek, L. 1998: Phytoplankton as eutrophication indicator in the Gulf of Gdańsk water. – *Oceanol. Stud.* 4:77–92.
- Nikolaev, I.I. [Николаев, И.И.] 1950: Основные эколого-географические комплексы фитопланктона Балтийского моря и их распределение. – *Бот. Журнал, Ленинград* 35:602–611.
- Nikolaev, I.I. [Николаев, И.И.] 1953: Фитопланктон Рижского залива. – *Тр. Латв. отд. ВНИРО, Рига* 1:16–45.
- Nikolaev, I.I. [Николаев, И.И.] 1957: Биологические сезоны Балтийского моря. – *Тр. Латв. отд. ВНИРО, Рига* 2:40–74.
- Nikolaev, I. 1960: Quantity and biomass of zooplankton (Crustacea) in the Baltic Sea and the Gulf of Riga in 1958. – *Annales Biologiques* 15:64–65.
- Nikulina, V.N. [Никулина, В.Н.] 1991: Состав, распределение и межтодовые изменения фитопланктона восточной части Финского залива. [Species composition, distribution and year-to-year changes in phytoplankton of E Gulf of Finland.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupaio, E.] (eds.), *Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]*:55–68. Hydrometeoizdat (Moscow Division).
- Noji, T., Passow, U. & Smetacek, V. 1986: Interaction between pelagial and benthal during autumn in Kiel Bight. I. Development and sedimentation of phytoplankton blooms. – *Ophelia* 26:333–349.
- Nömmann, S. & Kaasik, E. 1992: Hydrodynamical control of phytoplankton succession during the vernal light-limited phase in the Baltic Sea. – *Marine Ecology Progress Series* 84:279–292.
- Nordli, E. 1957: Experimental studies on the ecology of ceratia. – *Oikos* 8:200–265.
- Nordling, C. 1975: Fytoplanktonstudier i Stockholms skärgård. Utbredning och förekomst av dominerande arter. – *Näringsämnesundersökningen i Stockholms skärgård, SNV Forskningsnämnden 7-143/74, Bilaga* 3:1–21.
- Nordqvist, O. 1890: Bidrag till kännedomen om Bottniska vikens och norra Östersjöns evertebratfauna. – *Meddelanden af Societas pro Fauna et Flora Fennica* 17:
- Norrman, B. & Andersson, A. 1994: Sea ice biota in the Gulf of Bothnia. – In: The Committee for the Gulf of Bothnia, Swedish Environmental Protection Agency, Annual Report 20. Solna.
- Norrman, B. & Andersson, A. 1994: Development of sea ice biota in a temperate sea area (Guif of Bothnia). – *Polar Biology* 14:531–537.
- Nyberg, H. 1976: The effects of some detergents on the growth of *Nitzschia holsatica* Hust. (Diatomeae). – *Annales Botanici Fennici* 13:65–68.
- Ochocki, S., Mackiewicz, J., Nakonieczny, J. & Zalewski, M. 1995: Primary production, chlorophyll, and qualitative and quantitative composition of phytoplankton in the Pomeranian Bay (Southern Baltic). – *Bulletin of the Sea Fisheries Institute* 3(136):33–42.
- Öhman, P. 1995: Uppföljning av växtplanktonutvecklingen, med tyngdpunkt på blågrönalger, i åländska vattentäkt och skärgårdsvatten sommaren 1995. [Abstract: Monitoring of phytoplankton development, with emphasis on cyanobacteria, in drinking water reservoirs and archipelago waters on Åland in the summer of 1995.] – *Forskningsrapporter från Husö Biologiska Station*, 61 pp.

- Öhman, P. & Lindholm, T. 1995: Occurrence of *Prorocentrum micans* and *Kryptoperidinium foliaceum* in SW Finland. – Pp. 219–222 in: Lassus, P., Arzul, G., Erard-Le Denn, E., Gentien, P. & Marcaillou-Le Baut, C. (eds.), *Harmful Algal Blooms. Proceedings of the Sixth International Conference on Toxic Marine Phytoplankton*, October 1993, Nantes, France. Lavoisier, Intercept Ltd.
- Olenin, S., Gollasch, S., Jonušas, S. & Rimkute, I. 2000: En-route investigations of plankton in ballast water on a ship's voyage from the Baltic Sea to the open Atlantic coast of Europe. – *International Review of Hydrobiology* 85:577–596.
- Olenina, I. & Kavolyte, R. 1994: Species composition, abundance and chlorophyll a concentration of phytoplankton in the Curonian lagoon in 1992. – *Klaipėdos Universiteto Mokslo Darbai. Gamtos ir matematikos mokslai* 1:174–186.
- Olenina, I. & Kavolyte, R. 1996: Phytoplankton, chlorophyll "a" and environmental conditions in the southeastern coastal zone of the Baltic Sea. – In Andrushaitis, A. (ed.): *Proceedings of the 13th Symposium of the Baltic Marine Biologists*:53–61. Institute of Aquatic Ecology, University of Latvia, Riga.
- Olenina, I.N. & Morosov, V.I. [Оленина, И.А. & Морозов, В.И.] 1991: Исследование изменений численности видов фитопланктона Куршского залива в 1980–1987 гг. с применением модифицированного кластерного анализа. [Summary: Application of modified cluster analysis to thy (sic!) data on phytoplankton species abundance (sic!) (Kurshu Bay, Baltic Sea) from 1980–87.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), *Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР*. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:191–201. Hydrometeoizdat (Moscow Division).
- Olli, K. 1992: Kevadine fütoplanktoni maksimum Pärnu lahes. Pärnu lahe suvise fütoplanktoni biomass ja liigiline koosseis. – *Diplomitöö, TRÜ Botaanika ja Ökoloogia kat. Tartu*. [M.Sc. thesis, Department of Botany and Ecology, University of Tartu].
- Olli, K. 1996: Resting cyst formation of *Eutreptiella gymnastica* (Euglenophyceae) in the northern coastal Baltic Sea. – *Journal of Phycology* 32:535–542.
- Olli, K. 1997: Evolutionary life-strategies of autotrophic planktonic microorganisms in the Baltic Sea. – Ph.D. thesis (summary), *Dissertationes Biologicae Universitatis Tartuensis* 25:1–65.
- Olli, K., Heiskanen, A.-S. & Lohikari, K. 1998: Vertical migration of autotrophic micro-organisms during a vernal bloom at the coastal Baltic Sea – coexistence through niche separation. – In: Tamminen, T. & Kuosa, H. (eds.), *Eutrophication in planktonic ecosystems: Food web dynamics and elemental cycling. Proceedings of the Fourth International PELAG Symposium, held in Helsinki, Finland, 26–30 August 1996*. *Hydrobiologia* 363 (Developments in Hydrobiology 127):179–189.
- Olli, K., Heiskanen, A.-S. & Seppälä, J. 1996: Development and fate of *Eutreptiella gymnastica* bloom in nutrient-enriched enclosures in the coastal Baltic Sea. – *Journal of Plankton Research* 18:1587–1604.
- Olsson, P. 1990: Ecological characteristics of bloom-forming phytoflagellates. – Ph.D. Thesis, Lund University, 160 pp.
- Oltmanns, F. 1893: Notizen über die Algenflora bei Warnemünde. – *Arch. d. V. d. Freunde d. Naturgesch. von Mecklenburg* 47:97–108.
- Olenina, I.N. & Morosov, V.I. [Оленина, И.А. & Морозов, В.И.] 1991: Исследование изменений численности видов фитопланктона Куршского залива в 1980–1987 гг. с применением модифицированного кластерного анализа. [Summary: Application of modified cluster analysis to thy (sic!) data on phytoplankton species abundance (sic!) (Kurshu Bay, Baltic Sea) from 1980–87.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), *Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР*. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:191–201. Hydrometeoizdat (Moscow Division).

- Orlova, Z.R. [Орлова, З.Р.] 1991: Сезонная динамика фитопланктона и концентраций общего азота и общего фосфора в Рижском заливе в 1983, 1986 гг. [Summary: Seasonal dynamics (sic!) of phytoplankton and total nitrogen and phosphorus in Riga Bay in 1983, 1986.] – In: Агарова, И.Я. & Гупало, Е.Ю. [Agarova, I. & Gupalo, E.] (eds.), Исследования фитопланктона в системе мониторинга Балтийского моря и других морей СССР. [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:74–81. Hydrometeoizdat (Moscow Division).
- Ostenfeld, C.H. 1912: A revision of the marine species of *Chaetoceras* Ehb. Sect. *Simplicia* Ostf. – *Meddelelser fra Kommissionen for Havundersøgelser, Ser. Plankton* 1(10):
- Ostenfeld, C.H.. 1912–13: De danske farvandes plankton i aarene 1898–1901. Phytoplankton og protozoer. 1. Phytoplanktonets livskaar og biologi, samt de i vore farvande iagttagne phytoplanktonters optræden og forekomst. [Résumé: Le plankton des mers danoises de 1898 à 1901, phytoplankton et protozoaires. Conditions de vie et biologie du phytoplankton; apparition et distribution des organismes du phytoplankton observés dans les mers danoises.] – *Det Kongelige Danske Videnskabernes Selskab. Skrifter, 7. Række, Naturvidenskabelig og. Mathematisk Afdeling, IX(2):*113–478 (Reprint 1–364).
- Ostenfeld, C.H.. 1916: De danske farvandes plankton i aarene 1898–1901. Phytoplankton og Protozoer. 2. Protozoer, organismer med usikker stilling; parasiter i phytoplanktonter. [Résumé: Le plankton des mers danoises de 1898 à 1901, phytoplankton et protozoaires. 2. Protozoaires; organismes de position incertaine, parasites des organismes du phytoplankton.] – *Det Kongelige Danske Videnskabernes Selskab. Skrifter, Naturvidenskabelig og. Mathematisk Afdeling, 8. Række, II(2):*111–197 (Reprint 365–451).
- Ostenfeld, C.H. 1918: Randersdalens plantevækst. – *Randers fjords naturhistorie: København.*
- Ostenfeld, C.H. 1928: Plankton investigations. – *Rapports et Procès-Verbaux* 47:
- Öström, B. 1979: Hydrografisk/kemiska förhållanden och växtplanktonproduktion i Lule skärgård. En brskrivande sammanfattning av nu kända samband i den strarkt sötvattenstressade kustregion som omger Luleälvens mynningsområde. – *Vatten* 4:267–282.
- Pankow, H. 1976: Taxonomische Bemerkungen zu einigen Algen aus den Boddengewässern des Darß und des Zingst (südliche Ostsee) II – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 25, Mathematisch-naturwissenschaftliche Reihe, Heft 3:255–262.
- Pankow, H., Arndt, E.A. & Doll, R. 1967: Über das Netz-Phytoplankton an der Südküste der Mecklenburger Bucht in den Jahren 1961–1964. – *Wissenschaftliche Zeitschrift der Universität Rostock* 16, Mathematisch-Naturwissenschaftliche Reihe, Heft 9/10:1193–1198.
- Passow, U. 1985: Wechselwirkungen zwischen Pelagial und Benthos während der Herbstblüte in der Kieler Bucht: Hydrographie, Phytoplankton Sukzession und Primärproduktion. – M.Sc. thesis, Kiel. 95 pp.
- Passow, U. 1990: Vertikalverteilung und Sedimentation von Phytoplanktonarten in der mittleren Ostsee während des Frühjahres 1986. – Ph.D. thesis, Ber. Inst. Meereskunde Christian-Albrechts-Univ. Kiel 192:1–203.
- Paulsen, O. 1908: Peridinales. – In: Brandt, K. & Apstein, C. (eds.), *Nordisches Plankton. Botanischer Teil, Lieferung VIII, Abteilung XVIII*:124.
- Pedersen, S.M. 1983: Udbredelsen af *Prorocentrum minimum* i danske farvande i August 1983. Rapport til Miljøstyrelsens Havforureningslaboratorium. – *Marin ID, Marine Identification Agency ApS.* 7 pp.
- Persson, P.-E. 1974: Om smakfel hos fisk, med särskild referens till havsområdet kring Uleåborg. [Yhteenveto: Kalojen makuvirheistä, erityisesti Oulun merialueella. Summary: On flavour tainting of fish, with special reference to the Oulu sea area (Bothnian Bay).] – *National Board of Waters, Finland, Report* 65:I–VII, 1–262.
- Persson, P.-E. 1981: Growth of *Oscillatoria agardhii* in a hypertrophic brackish-water bay. – *Annales Botanici Fennici* 18:1–12.

- Persson, P.-E., Sivonen, K., Keto, J., Kononen, K., Niemi, M. & Viljamaa, H. 1985 (1984): Potentially toxic blue-green algae (cyanobacteria) in Finnish natural waters. – *Aqua Fennica* 14:147–154.
- Pesonen, L. 1972: Perustuotanto- ja planktonitutkimukset. [Summary: Studies on the primary production and phytoplankton.] – In: III Suomenlahti-Symposio Tvärminne 16.–17.6. 1971 [3rd Finnish–Soviet Symposium on the Gulf of Finland, Tvärminne 16.–17.6 1971]. National Board of Waters, Finland, Report 28:58–69.
- Peters, N. 1930: Peridinea. – In: Tierwelt der Nord- und Ostsee.
- Piirsoo, K. 1979: [Summary: On phytoplankton of West-Estonian coastal waters in summer]. – Eesti NSV Teaduste Akadeemia Toimetised. 28. Kõide Bioloogia [Proceedings of the Academy of Sciences of the Estonian SSR. Vol. 28 Biology] (1):56–67.
- Piirsoo, K. 1982: Saastumise mõju Eesti NSV rannikumere fütoplanktoni liigilisele koosseisule ja biomassile. – Eesti NSV Rannikumere Kaitse:49–55. Tallinn.
- Piirsoo, K. 1984: [The phytoplankton of Haapsalu Bay and its seasonal dynamics]. – In: Järvekülg, A. (ed.), *Gidrobiologicheskij rezhim Baltijskogo morj*. Izd. Akad. Nauk ESSR:24–33. Tallinn. [In Russian.]
- Piirsoo, K. 1986: [Species composition and seasonal dynamics of the phytoplankton in Matsalu Bay]. – Proceedings of the Academy of Sciences of the Estonian SSR Biology 35: 61–71. [In Russian with English summary.]
- Piirsoo, K. & Porgasaar, V. 1985: Peculiarities of the distribution, seasonal and annual dynamics of the phytoplankton and chlorophyll a content in Tallinn Bay. – In Trei, T. (ed.), *Problems Concerning Bioindication of the Ecological Condition of the Gulf of Finland*. Academy of Sciences of the Estonian SSR, Institute of Zoology and Botany, *Hydrobiological Researches* 15:50–57.
- Piirsoo, K., Porgasaar, V. & Viik, M. 1992: Environmental conditions, phytoplankton and chlorophyll a in the Narva Bay (the southern part of the Gulf of Finland). – *Proceedings of the Estonian Academy of Sciences* 41:149–161.
- Pliński, M. 1979: Lierunki zmian strukturalnych w fitoplanktonie estuariów Bałtyku południowego [Trends in structural changes of phytoplankton from southern Baltic estuaries.]. – *Zesz. Nauk. Uniwersytetu Gdańskiego, Rozprawy i monografie* 15:1–136? (In Polish).
- Pliński, M. 1982: Rozmieszczenie i biomasa fitoplanktonu Zatoki Puckiej Wewnętrznej. [The distribution and biomass of phytoplankton in the internal (>inner) part of Puck Bay. – *Studia i Materiały Oceanologiczne* 39:195–217. (In Polish)
- Pliński, M. 1983: Predictive model of Cyanophyta invasion in coastal waters of South Baltic. – *Polskie Archiwum Hydrobiologii* 30:177–187.
- Pliński, M. 1989: The biocenotic structure of the Gulf of Gdańsk – a Baltic coastal ecosystem greatly affected by pollution. – In: Klekowski, R.Z., Styczynska-Jurewicz, E. & Falkowski, L. (eds.), *Proceedings of the Twenty First European Marine Biology Symposium Gdansk, 14–19 September 1986*, Poland:367–379. Ossolineum, Wrocław.
- Pliński, M. 1990: Important ecological features of the Polish coastal zone of the Baltic Sea. – *Limnologica* (Berlin) 20:39–45.
- Pliński, M. 1995: Phytoplankton of the Gulf of Gdańsk in 1992 and 1993. – *Oceanologia* 37:123–135.
- Pliński, M., Florczyk, I. & Picińska, J. 1985: Skład i liczebność fitoplanktonu Zatoki Gdanskiej Właściwej. [Composition and abundance of phytoplankton in the Gulf of Gdansk Proper.] – *Studia i Materiały Oceanologiczne* 46:23–64. (In Polish)
- Pliński, M., Janik, J. & Gliczyński, T. 1994: [The biomass of phytoplankton of the Gulf of Gdańsk in 1986 and 1987.] – *Zesz. Nauk. Uniw. Gdańsk, Oceanografia* 13:61–68. (In Polish)
- Pliński, M. & Józwiak, T. 1996: Dynamics of heterocystous cyanobacteria growth in the brackish water. – In: Yasumoto, T., Oshima, Y. & Fukuyo, Y. (eds.), *Harmful and Toxic Algal Blooms*: 549–551. Intergovernmental Oceanographic Commission of UNESCO.

- Pliński, M. & Picińska, J. 1986: The dynamics of seasonal changes of phytoplankton biomass in the Gulf of Gdańsk. – *Oceanologia* 23:77–83.
- Pliński, M., Sobolewska, B. & Mielczarek, M. 1982: Skład i liczebność fitoplanktonu zachodniej części Zatoki Gdąskiej. [The composition and abundance of phytoplankton in the western part of Gdansk Bay.] – *Studia i Materiały Oceanologiczne* 39:35–75. (In Polish)
- Pöder, T. & Jaanus, A. 1997: Nutrient concentrations and phytoplankton variables in the Gulf of Riga and Baltic Proper water mixing area: An attempt to test the dichotomy of limiting nutrient. – In: Ojaveer, E. (ed.), *Proceedings of the 14th Baltic Marine Biologists Symposium*, Pärnu, Estonia, 5–8 August 1995:223–236. Estonian Academy Publishers, Tallinn.
- Porter, H.C. 1894: Abhängigkeit der Breitling- und Unterwarnowflora von Wechsel des Salzgehaltes. – *Arch. d. V. d. Freunde d. Naturgesch. von Mecklenburg* 48:79–105.
- Project PELAG 1988: Ecological plankton research of the Baltic Sea. Progress Report 1988. – Tvärminne Zoological Station, 60 pp. (mimeographed).
- Purasjoki, K.J. 1948: Planktoneliöstöstä ja meriemme haaviplanktonista. – *Luonnon Tutkija* 52:71–76.
- Räsänen, R. 2000: Turun ympäristön merialueen tarkkailututkimus vuonna 1999. Vuosiyhteenveto. – Lounais-Suomen Vesiensuojeluyhdistys r.y., *Tutkimusselosteita* 168:1–77, 7 apps, 59 pp.
- Randveer, A. 1994: Suvised fitoplanktoni liigiline koosseis ja biomass Soome lahe lõunaosas 1980. aastal. – *Proceedings of the Estonian Academy of Sciences Biology* 43:45–64. (In Estonian)
- Randveer, A. & Viik, M. 1994: The state of the phytoplankton in the eastern part of the Gulf of Finland in November 1990 and 1991. – *Proceedings of the Estonian Academy of Sciences Biology* 43:173–183.
- Rapoport, M. 1926: Das Oberflächenplankton der Küstengewässer Lettlands im Jahre 1925. – *Fol. Zool. Hydrob.*
- Rieper, M. 1976: Investigations on the relationships between algal blooms and bacterial populations in the Schlei Fjord (Western Baltic Sea). – *Helgoländer Wissenschaftliche Meeresuntersuchungen* 28:1–18.
- Riikoja, H. 1925: Plankton-Tabellen für den August 1924 für den Finnischen Meerbusen. – *Tartu Ülikooli Eesti Veekogude uurimise komisjoni Väljaanne* 2:19–22.
- Riikoja, H. 1928: Plankton-Tabellen der Estnischen Terminfahrten in den Jahren 1925 und 1926. – *Tartu Ülikooli Eesti Veekogude uurimise komisjoni Väljaanne* 5:19–27.
- Riikoja, H. 1929: Plankton-Tabellen der Estnischen Terminfahrten in den Jahren 1927 und 1928. – *Tartu Ülikooli Eesti Veekogude uurimise komisjoni Väljaanne* 9:21–31.
- Riikoja, H. 1931: Plankton-Tabellen der Estnischen Terminfahrten in den Jahren 1929 und 1930. – *Tartu Ülikooli Eesti Veekogude uurimise komisjoni Väljaanne* 16:27–45.
- Ringer, Z. 1963: The vertical and horizontal distribution of phytoplankton in the southern Baltic in 1956. – *Annales Biologiques* 18:76–77.
- Ringer, Z. 1970: Skład fitoplanktonu południowego Bałtyku w latach 1967–1968. [Phytoplankton composition in the southern Baltic Sea.] – *Studia i Materiały Morsk. Inst. Ryb. Gdynia* 7:5–31. (In Polish)
- Ringer, Z. 1973: Fitoplankton południowego Bałtyku na tle warunków hydrologicznych. [The phytoplankton in the southern Baltic in relation to the hydrological conditions.] – *Studia i Materiały Morsk. Inst. Ryb. Gdynia Ser. A.* 11:7–89. (In Polish)
- Ringer, Z. 1975: Badania nad fitoplanktonem Południowego Bałtyku w latach 1972–1973. – *Studia i Materiały Ser. A.* 114:1–80. (In Polish)
- Risberg, J. 1990: Siliceous microfossil stratigraphy in a superficial sediment core from the northwestern part of the Baltic proper. – *Ambio* 19:167–172.
- Rothe, F. 1941: Quantitative Untersuchungen über die Planktonverteilung in der östlichen Ostsee. – *Berichte der Deutschen Wissenschaftliche Kommission für Meeresforschung*, N.F. 10:
- Rumek, A. 1948: Lista gatunków fitoplanktonu powierzchniowego Zatoki Gdąskiej. [List of the phytoplankton species occurring in the superficial water layers in the Gulf of Gdansk.] – *Biuletyn Morsk. Lab. Ryb. w Gdyni* 4:139–142. (In Polish)

- Rumek, A. 1950: Sezonowe występowanie gatunków w fitoplanktonie Zatoki Gdanskiej. [Seasonal occurrence of phytoplankton species in the Gulf of Gdansk.] – *Biuletyn Morsk. Lab. Ryb. w Gdyni* 5:145–150. (In Polish)
- Schiewer, U. 1998: Hypertrophy of a Baltic estuary – Changes in structure and function of the planktonic community. – *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie* 26:1503–1507.
- Schiewer, U., Arndt, H., Baader, G., Ballin, G., Börner, R., Evert, F.-K., Georgi, F., Heerkloss, R., Jost, G., Kell, V., Krüger, B. & Walter, T. 1986: The bounds and potential effects of NH_4 (loading) on the pelagic system of a Baltic estuary. – *Limnologica (Berlin)* 17:7–28.
- Schiewer, U., Arndt, H., Jost, G., Heerkloss, R. & Wasmund, N. 1990: Carbon flux dynamics in a shallow eutrophic estuary. – *Limnologica (Berlin)* 20:95–100.
- Schiewer, U., Börner, R., Krüger, B. & Evert, F.-K. 1984: Estuarine phytoplankton response to nutrient changes in controlled ecosystem enclosures. – In: von Wachenfeldt, T., Edler, L., Persson, L.-E. & Muus, K. (eds.), *Proceedings of the 8th Symposium of the Baltic Marine Biologists, Recent Changes in the Baltic Ecosystem*, Lund, Sweden, 10–14 August 1983. *Ophelia Supplementum* 3:201–212.
- Schiewer, U., Börner, R. & Wasmund, N. 1988: Deterministic and stochastic influence of nutrients on phytoplankton function and structure in coastal waters. – *Kieler Meeresforschungen, Sonderheft* 6:173–183.
- Schnese, W. 1973: Untersuchungen zur Produktionsbiologie des Greifswalder Boddens (südliche Ostsee). III. Abundanzen und Biomasseverteilung des Phytoplanktons im Jahreszyklus (1962–1965). – *Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock* 22, Naturwissenschaftliche Reihe 6/7, Teil. 1:657–673.
- Schulz, P. 1926: Die Kieselalgen der Danziger Bucht mit Einschluss derjenigen aus glazialen und postglazialen Sedimenten. – *Botanisches Archiv* 13:149–327.
- Schulz, S., Breuel, G. & Irmisch, A. 1988: Simulated eutrophication in enclosure experiments in the Arkona Sea. – *Kieler Meeresforschungen, Sonderheft* 6:73–84.
- Simm, M. & Randveer, A. 1985: [Seasonal changes of the plankton biomass and species diversity in Pärnu Bay. – *Izv. AN Éssr. Biol* 34(2):112–118. (In Russian)]
- Sjöstedt, G. 1921: Anteckningar öfver vegetationsfärgningar i saltvatten. I. En vegetationsfärgande högproduktion af *Peridinium malmogiense* nov. spec. – *Botaniska Notiser* 1921:181–187.
- Sjöstedt, L.G. 1924: Undersökningar över Öresund XII. Två nya saltvattensflagellater från öresundsområdet jämte biologiska data. [Résumé: Zwei neue Salzwasserflagellaten aus dem Öresundgebiet nebst biologischen Daten.] – *Lunds Universitets Årsskrift N.F. Avd. 2*, 20(5)/Kungliga Fysiografiska Sällskapets Handlingar N.F. 35(5):1–20.
- Smetacek, V. 1975: Die Sukzession des Phytoplanktons in der westlichen Kieler Bucht. – Ph.D. thesis, Kiel University. 151 pp.
- Smetacek, V. 1980: Annual cycle of sedimentation in relation to plankton ecology in western Kiel Bight. – *Ophelia Supplementum* 1:65–76.
- Smetacek, V. 1981: The annual cycle of protozooplankton in the Kiel Bight. – *Marine Biology* 63:1–11.
- Smetacek, V., von Bodungen, B., von Bröckel, K., Knoppers, B., Martens, P., Peinert, R., Pollehne, F., Stegmann, P. & Zeitzschel, B. 1987: Seasonality of plankton growth and sedimentation. – In: Rumohr, J., Walger, E. & Zeitzschel, B. (eds.), *Seawater – sediment interactions in coastal waters*: 34–56. Springer-Verlag.
- Smetacek, V., von Bodungen, B., Knoppers, B., Neubert, N., Pollehne, F. & Zeitzschel, B. 1980: Shipboard experiments on the effects of vertical mixing on natural plankton populations in the central Baltic Sea. – *Ophelia Supplementum* 1:77–98. or 65–76

- Smetacek, V., von Bodungen, B., Knoppers, B., Peinert, R., Pollehne, F., Stegman, P. & Zeitzschel, B. 1982: Phytoplankton primary production and species succession in relation to the environment in Kiel Bight. – ICES C.M. 23. 36 pp.
- Smetacek, V., von Bodungen, B., Knoppers, B., Peinert, R., Pollehne, F., Stegman, P. & Zeitzschel, B. 1984: Seasonal stages characterizing the annual cycle of an inshore pelagic system. – *Rapports et Procès-verbaux des Réunions Conseil International pour l'Exploration de la Mer* 183:126–135.
- Smetacek, V. & Hendrikson, P. 1979: Composition of particulate organic matter in Kiel Bight in relation to phytoplankton succession. – *Oceanologia Acta* 2:287–298.
- Snoeijs, P. (ed.) 1993: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 1. – The Baltic Marine Biologists Publication No. 16a:1–129. Opulus Press, Uppsala.
- Snoeijs, P. & Vilbaste, S. (eds.) 1994: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 2. – The Baltic Marine Biologists Publication No. 16b:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Potapova, M. (eds.) 1995: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 3. – The Baltic Marine Biologists Publication No. 16c:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Kasperoviciene, J. (eds.) 1996: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 4. – The Baltic Marine Biologists Publication No. 16d:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Balashova, N. (eds.) 1998: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 5. – The Baltic Marine Biologists Publication No. 16e:1–127 (+ index 16 pp.). Opulus Press, Uppsala.
- Sohlenius, G., Sternbeck, J., Andrén, E. & Westman, P. 1996: Holocene history of the Baltic Sea as recorded in a sediment core from the Gotland Deep. – *Marine Geology* 134:183–201.
- Sørensen, H.M. 1990: Toksiske og potentielt toksiske algers økologi i danske farvande. – Pp. 61–157 in: Bjergskov, T., Larsen, J., Moestrup, Ø., Sørensen, H.M. & Krogh, P., Toksiske og potentielt toksiske alger i danske farvande: Kontrolforanstaltninger. Taxonomi. Økologi. Toksikologi. Fiskeriministeriets Industritilsyn. The Fish Inspection Service, Ministry of Fisheries, Copenhagen.
- Sperling, C. 1981: Zum Zusammenhang zwischen Artenzusammensetzung und summarischen Meßverfahren für die Erfassung des Phytoplanktonbestandes. – Diplomarbeit, Universität Kiel.
- Steemann Nielsen, E. 1937: The annual amount of organic matter produced by the phytoplankton in the Sound off Helsingør. – *Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersøgelser*, Serie: Plankton 3(3):1–37.
- Steemann Nielsen, E. 1940: Die Produktionsbedingungen des Phytoplanktons im Übergangsgebiet zwischen der Nord- und Ostsee. – *Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersøgelser*, Serie: Plankton 3(4):1–55.
- Stienen, C. 1986: Die Phytoplanktonentwicklung in Abhängigkeit von der Nährsalzkonzentration. Ein Vergleich zwischen Kieler Förde und Kieler Bucht. – *Berichte Inst. Meereskunde Kiel* 152:1–125.
- Stienen, C. 1986: Increased nutrient load and phytoplankton biomass in Kiel Fjord as compared with Kiel Bight, western Baltic. – In: Muus, K. (ed.), *Proceedings of the 9th Symposium of the Baltic Marine Biologists. Ecology of Coastal Waters. Interactions Between and Within Species*. Turku/Åbo, Finland, 11–15 June 1985. *Ophelia Supplement* 4:259–271.
- Tallberg, P. & Heiskanen, A.-S. 1998: Species-specific phytoplankton sedimentation in relation to primary production along an inshore-offshore gradient in the Baltic Sea. – *Journal of Plankton Research* 20:2053–2070.
- Tangen, K. & Edler, L. 1987: Case history – spreading of *Prorocentrum* minimum in Scandinavian waters. – In: Dale, B. et al. (eds.) *Proceedings of an International Conference and Workshop, The Problems of Toxic Dinoflagellate Blooms in Aquaculture*: 18. Sherkin Island Marine Station, Ireland, 8–13 June 1987.

- Tenson, J. 1964: Riia lahe kirdeosa fütoplankton ja selie sesoonne dünaamika. – Diplomitöö, TRÜ Taimesüst. ja geobot. kat. Tartu. [M.Sc. thesis, Department of Plant Systematics and Geobotany, University of Tartu].
- Tenson, J. 1995: 3.2. Phytoplankton of the Pärnu Bay. – In: Ojaveer, E. (ed.), *Ecosystem of the Gulf of Riga between 1920 and 1990*, pp. 105–126, 130. Estonian Academy Publishers, Tallinn.
- Tenson, J. & Randveer, A. [Тенсон, Ю. & Рандвээр, А.] 1978: [On phytoplankton of Pärnu Bay]. – In: Aitsam, A. (ed.), [Problems of the Baltic Sea]. Izd. Akad. Nauk ESSR:77–106. Tallinn. [In Russian].
- Thomsen, H.A. 1979: The Belt Project. A qualitative analysis of phytoplankton in the open Danish waters 1975–1977. – The National Agency of Environmental Protection, Denmark. 66 pp.
- Tikkanen, T. 1986: Kasviplanktonopas. – Suomen Luonnonsuojelun Tuki Oy. 278 pp. Helsinki.
- Tikkanen, T. & Willén, T. 1992: Växtplanktonflora. – Naturvårdsverket. 280 pp. Eskilstuna.
- Trahms, O.-K. & Stoll, K. 1938: Hydrobiologische und hydrochemische Untersuchungen in den Rügensch Boddengewässern während der Jahre 1936 und 1937. – Kieler Meeresforschungen 3:61–98.
- Uitto, A. 1996: Contribution of nanoprotists to metazooplankton diet in a mesocosm experiment in the coastal northern Baltic. – *Journal of Plankton Research* 18: 2119–2137.
- Uitto, A. 1996: Summertime herbivory of coastal mesozooplankton and metazoan microplankton in the northern Baltic. – *Marine Ecology Progress Series* 132:47–56.
- Uitto, A., Kaitala, S., Kuosa, H. & Pajuniemi, R. 1995: Effects of nutrient addition and predation of mysid shrimp (*Neomysis integer*) on a plankton community in a short-term enclosure experiment in the northern Baltic. – *Aqua Fennica* 25:23–31.
- Üselyté, S. 1959: Phytoplankton of the Kuršių Marios Lagoon and its seasonal dynamics. – :139–163, Vilnius.
- Välikangas, I. 1922: Föroreningen av Helsingfors hamnområde belyst genom planktonbeskaffenheten. – Appendix I in Witting, R., *Fjärdarna kring Helsingfors med hänsyn till vattenomsättningen och föroreningen*. Havsforskningsinstitutets Skrift 11:89–96.
- Välikangas, I. 1923: Helsingin satama-alueen likaantumisen planktonin kokoomuksen valossa. – Appendix I in Witting, R., *Helsinkiä ympäröivät vedet veden vaihtoa ja likaantumista silmällä pitäen*. Merentutkimuslaitoksen Julkaisu 11:94–101.
- Välikangas, I. 1925: (Oral report:...erään Chlamydomonas-lajin vihreäksi värjäämää vettä...). [Übersicht: Chlamydomonas.] – *Meddelanden af Societas pro Fauna et Flora Fennica* 48:170 [274].
- Välikangas, i. 1926: Planktologische Untersuchungen im Hafengebiet von Helsingfors. I. Über das Plankton, insbesondere das Netz-Zooplankton des Sommerhalbjahres. – *Acta Zoologica Fennica* 1:1–298, 6 pis.
- Vørs, N. 1990: Heterotrophic protists. – In: Autio, R. et al., *Ecological plankton research of the Baltic Sea. Pelag II Final Report 1987–1989*. Pelag Press, Helsinki.
- Wallström, K. 1991: Ecological studies on nitrogen fixing blue-green algae and on nutrient limitation of phytoplankton in the Baltic Sea. – *Compr. Summ. Uppsala Diss. Fac. Sci* 337:1–23.
- Wallström, K.: Phytoplankton composition and biomass during a Nodularia bloom in the Baltic 1982. – In: Cederwall, H. (ed.), *Dynamics of a Nodularia bloom*. Swedish Environmental Protection Board, Report P.M.
- Wasmund, N. 1994: Phytoplankton periodicity in a eutrophic coastal water of the Baltic Sea. – *Internationale Revue der Gesamten Hydrobiologie* 79:259–285.
- Wasmund, N., Alheit, J., Pollehne, F. & Siegel, H. 2000: Der biologische Zustand der Ostsee im Jahre 1999 auf der Basis von Phytoplankton- und Zooplanktonuntersuchungen. – *Meereswissenschaftliche Berichte – Marine Science Reports* 43:1–65.
- Wasmund, N., Alheit, J., Pollehne, F., Siegel, H. & Zettler, M.L. 1998: Ergebnisse des Biologischen Monitorings der Ostsee im Jahre 1997 im Vergleich mit bisherigen Untersuchungen. – *Meereswissenschaftliche Berichte – Marine Science Reports* 32:1–66.

- Wasmund, N., Nausch, G., Postel, L., Witek, Z., Zalewski, M., Gromisz, S., Lysiak-Pastuszak, E., Olenina, I., Kavolyte, R., Jasinskaite, A., Müller-Karulis, B., Ikauniece, A., Andrushaitis, A., Ojaveer, H., Kallaste, K. & Jaanus, A. 2000: Trophic status of coastal and open areas of the south-eastern Baltic Sea based on nutrient and phytoplankton data from 1993–1997. – *Meereswissenschaftliche Berichte – Marine Science Reports* 38:1–83.
- Wattenberg, H. & Meyer, H. 1936: Der jahreszeitliche Gang des Gehaltes des Meereswassers an Planktonstoffen der Kieler Bucht. – *Kieler Meeresforschungen* 1:
- Weigelt, S. (ed.) 1999: MURSYS. Informationen aus Nord- und Ostsee. Jahresbericht 1998. – Bundesamt für Seeschifffahrt und Hydrographie. 97 pp.
- Wendker, S. 1990: Untersuchungen zur subfossilen und rezenten Diatomeenflora des Schlei-Ästuars (Ostsee). – *Bibliotheca Diatomologica* 20:
- Wentzel, M.V. & Gupalo, E.Y. 1991: [Summary: Principal component analysis as a method for studying phytoplankton associations in the Baltic Sea in summer] – In: [Agarova, I. & Gupalo, E.] (eds.), [Phytoplankton studies in the monitoring of the seas, with reference to the Baltic Sea.]:202–215. Hydrometeoizdat (Moscow Division).
- Wikner, J., Hagström, Å., Kuparinen, J. & Nordström, A. 1994: Food web structure and energy flows in the Gulf of Bothnia: An effect of loading of fluvial organic material? – In: The Committee for the Gulf of Bothnia, Swedish Environmental Protection Agency, Annual Report 20: Solna.
- Wiktor, K. & Kruk-Dowgiallo, L. 1992: Phytoplankton species composition and distribution in the southern Baltic Sea in 1979–1983. – *Stud. Mater. Oceanol. KMB PAN* 60:5–17.
- Wiktor, K. & Pliński, M. 1975: Changes in plankton resulting from the eutrophication of a Baltic firth. – *Merentutkimuslaitoksen Julkaisu / Havs forskningsinstitutets Skrift* 239:311–315.
- Wiktor, K. & Pliński, M. 1992: Long-term changes in the biocoenosis of the Gulf of Gdańsk. – *Oceanologia* 32:69–79.
- Willén, T. 1962: The Utäl Lake Chain, Central Sweden, and its phytoplankton. – *Oikos Suppl.* 5:1–156.
- Witek, Z., Bralewska, J., Chmielowski, H., Drgas, A., Gostkowska, J., Kopacz, M., Knurowski, J., Krajewska-Sołtys, A., Lorenz, Z., Maciejewska, K., Mackiewicz, T., Nakonieczny, J., Ochocki, S., Warzocha, J., Piechura, J., Renk, H., Stopiński, M. & Witek, B. 1993: Structure and function of marine ecosystem in the Gdańsk Basin on the basis of studies performed in 1987. – *Studia i Materiały Oceanologiczne* 63 *Marine Biology* (9):1–124.
- Witkowski, A. 1994: Recent and fossil diatom flora of the Gulf of Gdansk, southern Baltic Sea. – *Bibliotheca Diatomologica* 28:
- Witkowski, A. & Pempkowiak, J. 1995: Reconstructing the development of human impact from diatoms and ^{210}Pb sediment dating (the Gulf of Gdansk–southern Baltic Sea). – *Geographia Polonica* 65:63–78.
- Yurkovskis, A., Kalveka, B., Modre, B., Rugaine, I. & Yurkovska, V. 1985: Nutrient conditions and phyto- and bacterioplankton in the Baltic proper and the Gulf of Finland in 1981–1982. – *Annales Biologiques* 39:80–84.
- Yurkovskis, A., Line, R., Bramane, A., Sidrevits, L., Kalveka, B. & Vitinya, M. 1978: Nutrient conditions and seasonal cycles of phyto- and zooplankton in the Baltic proper and the Gulf of Riga in 1976. – *Annales Biologiques* 33:73–77.
- Yurkovskis, A., Line, R., Krumberga, I., Kalveka, B. & Modre, B. 1979: Nutrient conditions and phyto- and zooplankton development in the Baltic proper and the Gulf of Riga in 1977. – *Annales Biologiques* 34:103–109.
- Zembrzuska, D. 1962: Fitoplankton Zalewu Szczecinskiego. [Summary: Szczecin Firth phytoplankton.] – *Prace MIR w Gdyni* 11/A:137–158. (In Polish).
- Zembrzuska, D. 1967: Fitoplankton Zatoki Pomorskiej i Zalewu Szczecinskiego oraz wzajemne wpływy na siebie obydwu tych akwenów. [Phytoplankton of Pomeranian Bay and Szczecin Firth and mutual influences of these two reservoirs.] – Ph.D. Thesis, Wyższ. Szk. Roln. Olsztyn. (In Polish).

- Zembrzuska, D. 1973: Ogólne wyniki badań jakościowych fitoplanktonu Zatoki Pomorskiej. – Sympozjum Naukowe z Okazji 20 Lcia MIR. Gdynia 1973:68–72. (In Polish).
- Zernova, V.V. 1979: Vertical distribution of planktonic algae of the Baltic Sea in the autumn. – *Oceanology* 19:732–737.
- Zimmermann, B., Moestrup, Ø. & Hällfors, G. 1985: Chrysophyte or heliozoon: Ultrastructural studies on a cultured species of *Pseudopedinella* (Pedinellales ord. nov.), with comments on species taxonomy. – *Protistologica* 20: 591–612.

GENERAL TAXONOMY AND SYSTEMATICS

- Chretiennot-Dinet, M.-J., Sournia, A., Ricard, M. & Billard, C. 1993: A classification of the marine phytoplankton of the world from class to genus. – *Phycologia* 32:159–179.
- Christensen, T. 1962, 1966: *Alger*. – In: Böcher, T.W., Lange, M. & Sørensen, T. (eds.), *Botanik*. Vol. 2. Systematisk Botanik. No 2. 178 pp. (1962), 2. ed. 180 pp. (1966). København.
- Christensen, T. 1980–1994: *Algae. A taxonomic survey*. – AiO Print Ltd., Odense. 1980:1–216, 1994:I–XI, 217–472.
- Fott, B. 1971: *Algenkunde*. 2nd edition. – Gustav Fischer Verlag, Stuttgart, 581 pp.
- George, E.A. 1976: A guide to algal keys (excluding seaweeds). – *British Phycological Journal* 11:49–55.
- van den Hoek, C. 1978: *Algen. Einführung in die Phykologie*. – Georg Thieme Verlag, Stuttgart, I–X, 1–481.
- Pankow, H. 1976: *Algenflora der Ostsee. II. Plankton (einschl. benthischer Kieselalgen)*. – Gustav Fischer Verlag, Stuttgart, 493 pp.
- Pankow, H. 1990: *Ostsee-Algenflora*. – Gustav Fischer Verlag, Jena, 648 pp.
- Skuja, H. 1948: Taxonomie des Phytoplanktons einiger Seen in Uppland, Schweden. – *Symbolae Botanicae Upsaliensis* 9(3):1–399, pls 1–39.
- Skuja, H. 1956: Taxonomische und biologische Studien über das Phytoplankton schwedischer Binnengewässer. – *Nova Acta Regiae Societatis Scientiarum Upsaliensis Ser. IV. Vol. 16. N:o 3*:1–404, pls I–LXIII.
- Skuja, H. 1964: Grundzüge der Algenflora und Algenvegetation der Fjeldgegenden um Abisko in Schwedisch-Lappland. – *Nova Acta Regiae Societatis Scientiarum Upsaliensis Ser. IV. Vol. 18. N:o 3*:1–465, pls I–.
- West, G.S. 1904: *A treatise on the British freshwater algae*. – Cambridge University Press. 372 pp.

Division CYANOPHYTA (CYANOBACTERIA)

Class **Nostocophyceae** (Cyanophyceae) – Blue-green algae

- Bourrelly, P. 1970: *Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues bleues et rouges. Les Eugléniens, Peridiniens et Cryptomonadines*. – N. Boubée & Cie, Paris. 512 pp.
- Desikachary, T.V. 1959: *Cyanophyta*. – I.C.A.R. Monographs on Algae. New Delhi. 686 pp.
- Geitler, L. 1925: *Cyanophyceae*. – *Die Süßwasser-Flora Deutschlands, Österreichs und der Schweiz* 12:1–450.
- Geitler, L. 1930–1932: *Cyanophyceae von Europa unter Berücksichtigung der anderen Kontinente*. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band XIV. Akademische Verlagsgesellschaft, Leipzig. VI + 1196 pp.
Lief. 1: pp. 1–288, textfigs 1–141 (1930)
Lief. 2–3: pp. 289–672, textfigs 142–433 (1931)
Lief. 4: pp. 673–1196, textfigs 434–780 (1932)
- Huber-Pestalozzi, G. 1938: *Allgemeiner Teil. Blaualgen. Bakterien. Pilze*. – *Die Binnengewässer* Band XVI. Das Phytoplankton des Süßwassers 1. Teil. Pp.1–342, pls I–LXVI.
- Starmach, K. 1966: *Cyanophyta – Sinice. Glaucophyta – Glaukofity*. – *Flora Słodkowodna Polski* 2:1–807.

Order CHROOCOCCALES

Komárek, J. & Anagnostidis, K. 1986: Modern approach to the classification system of cyanophytes. 2 – Chroococcales. – Archiv für Hydrobiologie, Supplementband 73(2) (Algological Studies 43):157–226.

Komárek, J. & Anagnostidis, K. 1999: Cyanoprocaryota 1. Teil: Chroococcales. – Süßwasserflora von Mitteleuropa 19/1:I–VI, 1–548.

Order OSCILLATORIALES

Anagnostidis, K. & Komárek, J. 1988: Modern approach to the classification system of cyanophytes. 3 – Oscillatoriales. – Archiv für Hydrobiologie, Supplementband 80(1–4) (Algological Studies 50–53):327–472.

Gomont, M. 1892 (–1893): Monographie des Oscillariées (Nostocacées Homocystées). – Annales des Sciences Naturelles, Septième Série, Botanique 15:263–368, pls VI–XIV; 16:91–264, pls I–VII. (Reprinted 1962: Monographie des Oscillariées par Maurice Gomont avec une introduction biographique par M. P. Bourrelly, Paris. – Historiæ Naturalis Classica 19, Reprints of Later Starting Point Books for Botanical Nomenclature, Vol. 3. J. Cramer, Weinheim.)

Order NOSTOCALES

Bornet, E. & Flahault, C. 1886 (–1888): Revision des Nostocacées Hétérocystées contenues dans les principaux herbiers de France. – Annales des Sciences Naturelles, 7^e Série, Botanique 3:323–381, 4:343–373, 5:51–129, 7:177–262.

Komárek, J. & Anagnostidis, K. 1989: Modern approach to the classification system of cyanophytes. 4 – Nostocales. – Archiv für Hydrobiologie, Supplementband 82(3) (Algological Studies 56):247–345.

Division RHODOPHYTA

Class **Bangiophyceae** (Rhodophyceae) – Red algae

Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.

Order PORPHYRIDALES

Christensen, T. 1980–1994: Algae. A taxonomic survey. – AiO Print Ltd., Odense. 1980:1–216, 1994:I–XI, 217–472. (p.32)

Evans, L.V. 1970: Electron microscopical observations on a red algal unicell, *Rhodella maculata* gen. nov., sp. nov. – Br. phycol. J. 5(1):1–13.

Paasche, E. & Throndsen, J. 1970: *Rhodella maculata* Evans (Rhodophyceae, Porphyridiales) isolated from the plankton of the Oslo Fjord. – Nytt Mag. Bot. 17(3–4):209–212.

Division CRYPTOPHYTA

Class **Cryptophyceae** – Recoiling algae

Bourrelly, P. 1970: Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues bleues et rouges. Les Eugléniens, Peridiniens et Cryptomonadines. – N. Boubée & Cie, Paris. 512 pp.

- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.
- Huber-Pestalozzi, G. 1950: Cryptophyceen, Chloromonadinen, Peridineen. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 3. Teil. Pp.1–310, pls I–LXIX.

Order CRYPTOMONADALES

- Butcher, R.W. 1967: An introductory account of the smaller algae of British coastal waters. Part IV: Cryptophyceae – Fishery Investigations, Series IV:i–vi, 1–54, 20 pis.
- Thronsdén, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145.
- Hill, D.R., Moestrup, Ø. & Vørs, N. 1992: Rekyalger (Cryptophyceae). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:251–265. Academic Press.

Division DINOPHYTA (PYRRHOPHYTA)

Class **Dinophyceae** – Dinoflagellates

- Bourrelly, P. 1970: Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues bleues et rouges. Les Euglénien, Peridiniens et Cryptomonadines. – N. Boubée & Cie, Paris. 512 pp.
- Dodge, J.D. 1982: Marine dinoflagellates of the British Isles. – Her Majesty's Stationery Office, London. 303 pp.
- Dodge, J.D. 1985: Atlas of dinoflagellates. A scanning electron microscope survey. – Farrand Press, London. i–vii, 119 pp.
- Drebes, G. 1974: Marines Phytoplankton. Eine Auswahl der Helgoländer Planktonalgen (Diatomeen, Peridineen). – Georg Thieme Verlag, Stuttgart. I–VI, 186 pp.
- Hansen, G. & Larsen, J. 1992: Dinoflagellater i danske farvande. – In: Thomsen, H.A. (ed.), Plankton i de indre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat, pp. 45–155. Miljøministeriet Miljøstyrelsen, København.
- Huber-Pestalozzi, G. 1950: Cryptophyceen, Chloromonadinen, Peridineen. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 3. Teil. Pp.1–310, pls I–LXIX.
- Lebour, M.V. 1925: The dinoflagellates of northern seas. – The Marine Biological Association of the United Kingdom, Plymouth. Pp. I–VII, 1–250.
- Paulsen, O. 1908: Peridinales. – Nordisches Plankton XVIII:1–124.
- Popovský, J. & Pfister, L.A. 1990: Dinophyceae (Dinoflagellida). – Süßwasserflora von Mitteleuropa 6:1–272.
- Schiller, J. 1931–1933: Dinoflagellatae (Peridineae) in monographischer Behandlung. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band X Flagellatae, Abteilung 3 Dinoflagellatae (Peridineae), Teil 1. Akademische Verlagsgesellschaft, Leipzig. VI + 617 pp.

- Lief. 1: pp. 1–256, textfigs. 1–251 (1931)
 Lief. 2: pp. 257–432, textfigs. 252–455 (1932)
 Lief. 3: pp. 433–617, textfigs. 456–631 (1933)
- Schiller, J. 1935–1937: Dinoflagellatae (Peridineae) in monographischer Behandlung. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band X Flagellatae, Abteilung 3 Dinoflagellatae (Peridineae), Teil 2. Akademische Verlagsgesellschaft, Leipzig. VII + 590 pp.
 Lief. 1: pp.1–160, textfigs. 1–157 (1935)
 Lief. 2: pp. 161–320, textfigs. 158–336 (1935)
 Lief. 3: pp. 321–480, textfigs. 337–552 (1937)
 Lief. 4: pp. 481–589, textfigs. 553–612 (1937)
- Sournia, A. 1973: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. I. Dinoflagellés libres. – Beihefte zur Nova Hedwigia 48:i–x, 1–92.
- Sournia, A. 1973: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. II. Dinoflagellés parasites ou symbiotiques. – Archiv für Protistenkunde 117:1–19.
- Sournia, A. 1978: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. III. – (Complément). – Revue Algologique, N. S. 13:3–40.
- Sournia, A. 1978: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. IV. – (Complément). [Catalogue of the taxa of the recent marine dinoflagellates published since the revision by J. Schiller IV. (Supplement).] – Archiv für Protistenkunde 126:151–168.
- Sournia, A. 1986: Atlas du Phytoplancton Marin. Volume I: Introduction, Cyanophycées, Dictyochophycées, Dinophycées et Raphidophycées. – Centre National de la Recherche Scientifique, Paris. 219 pp.
- Steidinger, K.A. & Tangen, K. 1996: Dinoflagellates. – In: Thomas, C.R. (ed.), Identifying Marine Diatoms and Dinoflagellates: 387–584. Academic Press.

Order PROROCENTRALES

- Abé, T.H. 1967: The armoured dinoflagellata: II. Prorocentridae and Dinophysidae. – Publications from the Seto Marine Biological Laboratory 14:369–389.
- Dodge, J.D. 1975: The Prorocentrales (Dinophyceae). II. Revision of the taxonomy within the genus Prorocentrum. – Botanical Journal of the Linnean Society 71:103–125.
- Faust, M., Larsen, J. & Moestrup, Ø. 1999: Potentially toxic phytoplankton 3. Genus Prorocentrum (Dinophyceae) – ICES Identification Leaflets for Plankton 184:1–24.

Order DINOPHYSALES

- Abé, T.H. 1967: The armoured dinoflagellata: II. Prorocentridae and Dinophysidae. – Publications from the Seto Marine Biological Laboratory 14:369–389.

Order GYMNODINIALES

Order OXYRRHINALES

Order NOCTILUCALES

Order ACTINISCALES

Order PHYTODINIALES (BLASTODINIALES)

Elbrächter, M. & Drebes, G. 1978: Life cycles, phylogeny and taxonomy of *Dissodinium* and *Pyrocystis* (Dinophyta). – *Helgoländer Wissenschaftliche Meeresuntersuchungen* 31:347–366.

Order PERIDINIALES

Order GONYAULACALES

Balech, E. 1995: The genus *Alexandrium* Halim (Dinoflagellata). – *Sherkin Island Marine Station*, i–iii, 1–151.

Division HAPTOPHYTA

Class **Prymnesiophyceae** (Haptophyceae) – Haptophyte algae

Bourrelly, P. 1968: *Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées.* – N. Boubée & Cie, Paris. 438 pp.

Chrétiennot-Dinet, M.-J. 1990: *Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées.* – Centre National de la Recherche Scientifique, Paris. 261 pp.

Huber-Pestalozzi, G. 1941: *Chrysophyceen. Farblose Flagellaten. Heterokonten.* – *Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte.* Pp.1–365, pis I–CVII.

Jordan, R.W. & Green, J.C. 1994: A check-list of the extant Haptophyta of the world. – *Journal of the Marine Biological Association of the United Kingdom* 74:149–174.

Starmach, K. 1985: *Chrysophyceae und Haptophyceae.* – *Süßwasserflora von Mitteleuropa* 2:1–515.

Thronsdon, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145.* Academic Press.

Order PRYMNESIALES

Heimdal, B. 1993: Modern coccolithophorids. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 147–249.* Academic Press.

Schiller, J. 1930: *Coccolithineae.* – Pp. 89–266 in: Dr. L. Rabenhorst's *Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band X Flagellatae, Abteilung 2 Silicoflagellatae, Coccolithineae.* Akademische Verlagsgesellschaft, Leipzig. 273 pp.

Order PAVLOVALES

Division CHRYSOPHYTA (HETEROKONTOPHYTA)

Class **Chrysophyceae** – Golden-brown algae

Bourrelly, P. 1968: *Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées.* – N. Boubée & Cie, Paris. 438 pp.

- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.
- Huber-Pestalozzi, G. 1941: Chrysophyceen. Farblose Flagellaten. Heterokonten. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte. Pp.1–365, pls I–CVII.
- Starmach, K. 1985: Chrysophyceae und Haptophyceae. – Süßwasserflora von Mitteleuropa 2:1–515.
- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.

Order OCHROMONADALES

Order PARMALES

- Booth, B.C. & Marchant, H.J. 1987: Parmales, a new order of marine chrysophytes, with descriptions of three new genera and seven new species. – Journal of Phycology 23:245–260.

Order STICHOGLOEALLES

Order PEDINELLALES

- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.
- Zimmermann, B., Moestrup, Ø. & Hållfors, G. 1985: Chrysophyte or heliozoon: Ultrastructural studies on a cultured species of *Pseudopedinella* (Pedinellales ord. nov.), with comments on species taxonomy. – Protistologica 20:591–612.

Class Dictyochophyceae

Order DICTYOCHEALES

- Gemeinhardt, K. 1930: Silicoflagellatae. – Pp. 1–85, pl. 1 in: Band X Flagellatae, Abteilung 2 Silicoflagellatae, Coccolithineae. Akademische Verlagsgesellschaft, Leipzig. 273 pp.
- Sournia, A. 1986: Atlas du Phytoplancton Marin. Volume I: Introduction, Cyanophycées, Dictyochophycées, Dinophycées et Raphidophycées. – Centre National de la Recherche Scientifique, Paris. 219 pp.
- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.

Class Synurophyceae

Order SYNURALES

- Asmund, B. & Kristiansen, J. 1986: The genus *Mallomonas* (Chrysophyceae). – Opera Botanica 85:1–128.

- Bourrelly, P. 1968: Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées. – N. Boubée & Cie, Paris. 438 pp.
- Huber-Pestalozzi, G. 1941: Chrysophyceen. Farblose Flagellaten. Heterokonten. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte. Pp.1–365, pls I–CVII.

Class **Diatomophyceae** (Bacillariophyceae) – Diatoms

- Bourrelly, P. 1968: Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées. – N. Boubée & Cie, Paris. 438 pp.
- Drebes, G. 1974: Marines Phytoplankton. Eine Auswahl der Helgoländer Planktonalgen (Diatomeen, Peridineen). – Georg Thieme Verlag, Stuttgart. I–VI, 186 pp.
- Gran, H.H. 1908: Diatomeen. – Nordisches Plankton XIX:1–146.
- Hasle, G.R. & Syvertsen, E.E. 1996: Marine Diatoms. – In: Thomas, C.R. (ed.), Identifying Marine Diatoms and Dinoflagellates: 5–385. Academic Press.
- Hendey, N.I. 1964: An introductory account of the smaller algae of British coastal waters. Part V: Bacillariophyceae (Diatoms). – Fishery Investigations, Series IV:i–xxii, 1–317, 45 pls.
- Huber-Pestalozzi, G. 1942: Diatomeen. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 2. Hälfte. Pp. IX–X, 367–549, pls CVIII–CLXXIX.
- Lebour, M.V. 1930: The planktonic diatoms of northern seas. – The Ray Society 116:i–ix, 1–244, Pls 1–4.
- Patrick, R. & Reimer, C.W. 1966, 1975: The diatoms of the United States, exclusive of Alaska and Hawaii. – Monographic Series, Academy of Natural Sciences Philadelphia No. 13, vol. 1, 688 pp; vol. 2, 213 pp.
- Ricard, M. 1987: Atlas du Phytoplancton Marin. Volume II: Diatomophycées. – Centre National de la Recherche Scientifique, Paris. 297 pp.
- Round, F.E., Crawford, R.M. & Mann, D.G. 1990: The diatoms. Biology and morphology of the genera. – Cambridge University Press, i–ix, 1–747.
- Sims, P.A. (ed.) 1996: An atlas of British diatoms arranged by B. Hartley based on illustrations by H.G. Barber and J.R. Carter. – Biopress Limited, Bristol, 601 pp.
- Snoeijs, P. (ed.) 1993: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 1. – The Baltic Marine Biologists Publication No. 16a:1–129. Opulus Press, Uppsala.
- Snoeijs, P. & Vilbaste, S. (eds.) 1994: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 2. – The Baltic Marine Biologists Publication No. 16b:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Potapova, M. (eds.) 1995: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 3. – The Baltic Marine Biologists Publication No. 16c:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Kasperoviciene, J. (eds.) 1996: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 4. – The Baltic Marine Biologists Publication No. 16d:1–125. Opulus Press, Uppsala.
- Snoeijs, P. & Balashova, N. (eds.) 1998: Intercalibration and distribution of diatom species in the Baltic Sea. Volume 5. – The Baltic Marine Biologists Publication No. 16e:1–127 (+ index 16 pp.). Opulus Press, Uppsala.

Order EUPODISCALES (BIDDULPHIALES, CENTRALES) – Centric diatoms

- Cleve-Euler, A. 1951: Die Diatomeen von Schweden und Finnland. – Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien. Band 2. N:o 1:1–163, 50 pis + pis I–VI.
- Hustedt, F. 1927–1930: Die Kieselalgen Deutschlands, Österreichs und der Schweiz mit Berücksichtigung der übrigen Länder Europas sowie der angrenzenden Meeresgebiete. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band VII, Teil 1. Akademische Verlagsgesellschaft, Leipzig. XII + 920 pp.
 Lief. 1: pp. 1–272, textfigs. 1–114 (1927)
 Lief. 2: pp. 273–464, textfigs. 115–258 (1928)
 Lief. 3: pp. 465–608, textfigs. 259–352 (1929)
 Lief. 4: pp. 609–784, textfigs. 353–456 (1930)
 Lief. 5: pp. 785–920, textfigs. 457–542 (1930)
- Krammer, K. & Lange-Bertalot, H. (Unter Mitarbeit von Håkansson, H. & Nörpel, M.) 1991: Bacillariophyceae. 3. Teil: Centrales, Fragilariaceae, Eunotiaceae. – Süßwasserflora von Mitteleuropa 2/3:1–576.

Order BACILLARIALES (PENNALES) – Pennate diatoms

- Cleve-Euler, A. 1952: Die Diatomeen von Schweden und Finnland. Teil V. (Schluss.) – Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien. Band 3. N:o 3:1–153, 45 pis + pl. VII.
- Cleve-Euler, A. 1953: Die Diatomeen von Schweden und Finnland. Teil II. Arraphideae, Brachyraphideae. – Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien. Band 4. N:o 1:1–158, 35 pis.
- Cleve-Euler, A. 1953: Die Diatomeen von Schweden und Finnland. Teil III. Monoraphideae, Biraphideae. – Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien. Band 4. N:o 5:1–255, 41 pis.
- Cleve-Euler, A. 1955: Die Diatomeen von Schweden und Finnland. Teil IV. Biraphideae 2. – Kungl. Svenska Vetenskapsakademiens Handlingar. Fjärde Serien. Band 5. N:o 4:1–232, 50 pis.
- Hustedt, F. 1931–1959: Die Kieselalgen Deutschlands, Österreichs und der Schweiz mit Berücksichtigung der übrigen Länder Europas sowie der angrenzenden Meeresgebiete. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band VII, Teil 2. Akademische Verlagsgesellschaft, Leipzig. XII + 920 pp.
 Lief. 1: pp. 1–176, textfigs. 543–682 (1931)
 Lief. 2: pp. 177–320, textfigs. 683–780 (1932)
 Lief. 3: pp. 321–432, textfigs. 781–880 (1933)
 Lief. 4: pp. 433–576, textfigs. 881–1008 (1933)
 Lief. 5: pp. 577–736, textfigs. 1009–1105 (1937)
 Lief. 6: pp. 737–845, textfigs. 1106–1179 (1959)
- Hustedt, F. 1961–1966: Die Kieselalgen Deutschlands, Österreichs und der Schweiz mit Berücksichtigung der übrigen Länder Europas sowie der angrenzenden Meeresgebiete. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band VII, Teil 3. Akademische Verlagsgesellschaft, Leipzig. 816 pp. (unfinished).
 Lief. 1: pp. 1–160 (1961)
 Lief. 2: pp. 161–348 (1962)
 Lief. 3: pp. 349–556 (1964)
 Lief. 4: pp. 557–816 (1966)

- Krammer, K. & Lange-Bertalot, H. 1986: Bacillariophyceae. 1. Teil: Naviculaceae. – Süßwasserflora von Mitteleuropa 2/1:I–XVI, 1–876.
- Krammer, K. & Lange-Bertalot, H. 1988: Bacillariophyceae. 2. Teil: Bacillariaceae, Epithemiaceae, Surirellaceae. – Süßwasserflora von Mitteleuropa 2/2:I–XI, 1–596.
- Krammer, K. & Lange-Bertalot, H. (Unter Mitarbeit von Håkansson, H. & Nörpel, M.) 1991: Bacillariophyceae. 3. Teil: Centrales, Fragilariaceae, Eunotiaceae. – Süßwasserflora von Mitteleuropa 2/3:I–XIII, 1–576.
- Krammer, K. & Lange-Bertalot, H. 1991: Bacillariophyceae. 4. Teil: Achnanthes, kritische Ergänzungen zu Navicula (Lineolatae) und Gomphonema. Gesamtliteraturverzeichnis Teil 1–4. – Süßwasserflora von Mitteleuropa 2/4:I–IX, 1–437.
- Lange-Bertalot, H. 1993: 85 neue Taxa und über 100 weitere neu definierte Taxa ergänzend zur Süßwasserflora von Mitteleuropa Vol. 2/1–4. – Bibliotheca Diatomologica 27:1–454.
- Lange-Bertalot, H. & Krammer, K. 1989: Achnanthes eine Monographie der Gattung mit Definition der Gattung Cocconeis und Nachträgen zu den Naviculaceae. – Bibliotheca Diatomologica 18:1–393.
- Skov, J., Lundholm, N., Moestrup, Ø. & Larsen, J. 1999: Potentially toxic phytoplankton 4. The diatom genus *Pseudo-nitzschia* (Diatomophyceae/Bacillariophyceae). – ICES Identification Leaflets for Plankton 185:1–23.

Class **Tribophyceae** (Xanthophyceae, Heterokontae) – Yellow-green algae

- Bourreli, P. 1968: Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées. – N. Boubée & Cie, Paris. 438 pp.
- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.
- Ettl, H. 1978: Xanthophyceae. 1. Teil. – Süßwasserflora von Mitteleuropa 3:I–XIV, 1–530.
- Huber-Pestalozzi, G. 1941: Chrysophyceen. Farblose Flagellaten. Heterokonten. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte. Pp.1–365, pis I–CVII.
- Pascher, A. 1937–1939: Heterokonten. – Dr. L. Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, Band XI. Akademische Verlagsgesellschaft, Leipzig. X + II + 1092 pp.
- Lief. 1: pp. 1–160, textfigs. 1–126 (1937)
- Lief. 2: pp. 161–320, textfigs. 127–211 (1937)
- Lief. 3: pp. 321–480, textfigs. 212–335 (1937)
- Lief. 4: pp. 481–640, textfigs. 336–498 (1938)
- Lief. 5: pp. 641–832, textfigs. 499–693 (1938)
- Lief. 6: pp. 833–1092, textfigs. 694–912 (1939)

Order RHIZOCHLORIDALES (CHLAMYDOMYXALES)

Order MISCHOCOCCALES (HETEROCOCCALES)

Order TRIBONEMATALES

Class **Eustigmatophyceae**

Order EUSTIGMATALES

- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III:
Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées,
Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées,
Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris.
261 pp.

Class **Raphidophyceae**

- Bourrelly, P. 1970: Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues
bleues et rouges. Les Eugléniens, Peridiniens et Cryptomonadines. – N. Boubée & Cie,
Paris. 512 pp.
- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III:
Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées,
Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées,
Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris.
261 pp. (P. 120)
- Huber-Pestalozzi, G. 1950: Cryptophyceen, Chloromonadinen, Peridineen. – Die
Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 3. Teil. Pp.1–310, pls
I–LXIX.
- Sournia, A. 1986: Atlas du Phytoplancton Marin. Volume I: Introduction, Cyanophycées,
Dictyochophycées, Dinophycées et Raphidophycées. – Centre National de la Recherche
Scientifique, Paris. 219 pp.

Order CHATTONELLALES

- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine
Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic
Press.

Order RAPHIDOMONADALES

Division **EUGLENOPHYTA**

Class **Euglenophyceae** – Euglenoids

- Bourrelly, P. 1970: Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues
bleues et rouges. Les Eugléniens, Peridiniens et Cryptomonadines. – N. Boubée & Cie,
Paris. 512 pp.
- Huber-Pestalozzi, G. 1955: Euglenophyceen. – Die Binnengewässer Band XVI. Das
Phytoplankton des Süßwassers 4. Teil. Pp. VII–IX, 1–606, pls I–CXIV.

Order EUGLENALES

- Butcher, R.W. 1961: An introductory account of the smaller algae of British coastal waters.
Part VIII: Euglenophyceae = Euglenineae – Fishery Investigations, Series IV:i–v, 1–17, 3
pis.
- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III:
Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées,
Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées,
Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris.
261 pp.

Thronsdén, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids*: 7–145. Academic Press.

Order SPHENOMONADALES

Division CHLOROPHYTA

Ettl, H. 1981: Die neue Klasse Chlamydothyceae, eine natürliche Gruppe der Grünalgen (Chlorophyta). – *Plant Systematics and Evolution* 137:107–126.

Class **Pedinophyceae** (Loxophyceae)

Butcher, R.W. 1959: An introductory account of the smaller algae of British coastal waters.

Part I: Introduction and Chlorophyceae – *Fishery Investigations, Series IV*:1–74, 14 pis.

Chrétiennot-Dinet, M.-J. 1990: *Atlas du Phytoplancton Marin. Volume III*:

Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnesiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.

Ettl, H. 1983: Chlorophyta I. Phytomonadina. – *Süßwasserflora von Mitteleuropa* 9:I–XIV, 1–807.

Order PEDINOMONADALES

Thronsdén, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids*: 7–145. Academic Press.

Class **Prasinophyceae** (Micromonadophyceae)

Butcher, R.W. 1959: An introductory account of the smaller algae of British coastal waters.

Part I: Introduction and Chlorophyceae – *Fishery Investigations, Series IV*:1–74, 14 pis.

Chrétiennot-Dinet, M.-J. 1990: *Atlas du Phytoplancton Marin. Volume III*:

Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnesiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.

Ettl, H. 1983: Chlorophyta I. Phytomonadina. – *Süßwasserflora von Mitteleuropa* 9:I–XIV, 1–807.

Moestrup, Ø. 1992: Prasinophyceae og andre grønne flagellater. – in: Thomsen, H.A. (ed.), *Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen* 11:267–310.

Thronsdén, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids*: 7–145. Academic Press.

Order MAMIELLALES

Order CHLORODENDRALES

Class **Charophyceae**

Order KLEBSORMIDIALES

- Floyd, G.L., Stewart, K.D. & Mattox, K.R. 1972: Cellular organization, mitosis, and cytokinesis in the ulotrichalean alga, Klebsormidium. – *Journal of Phycology* 8:176–184.
- Printz, H. 1964: Die Chaetophorales der Binnengewässer. Eine systematische Übersicht. – *Hydrobiologia* 24:1–376.
- Ramanathan, K.R. 1964: Ulotrichales. – I.C.A.R. Monographs on Algae. New Delhi. 188 pp.

Order ZYGNEMATALES

- Förster, K. 1982: Conjugatophyceae Zygnematales und Desmidiaceae (excl. Zygnemataceae). – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers. 8. Teil, 1. Hälfte. Pp. I–VIII, 1–543.
- Kadlubowska, J.Z. 1984: Conjugatophyceae I. Chlorophyta VIII, Zygnematales. – Süßwasserflora von Mitteleuropa 16:1–532.

Class **Chlorophyceae** – Green algae

- Bourrelly, P. 1966: Les Algues d'eau douce. Initiation à la systématique. Tome I : Les Algues vertes. – N. Boubée & Cie, Paris. 511 pp.
- Bourrelly, P. 1973 (1972): Les Algues d'eau douce. Initiation à la systématique. Tome I : Les Algues vertes. – Réimpression revue et augmentée. N. Boubée & Cie, Paris. 572 pp.
- Chrétiennot-Dinet, M.-J. 1990: Atlas du Phytoplancton Marin. Volume III: Chlorarachniophycées, Chlorophycées, Chrysophycées, Cryptophycées, Euglénophycées, Eustigmatophycées, Prasinophycées, Prymnésiophycées, Rhodophycées et Tribophycées. – Centre National de la Recherche Scientifique, Paris. 261 pp.

Order VOLVOCALES (incl. TETRASPORALES)

- Butcher, R.W. 1959: An introductory account of the smaller algae of British coastal waters. Part I: Introduction and Chlorophyceae – Fishery Investigations, Series IV:1–74, 14 pls.
- Ettl, H. 1983: Chlorophyta I. Phytomonadina. – Süßwasserflora von Mitteleuropa 9:I–XIV, 1–807.
- Fott, B. 1972: Chlorophyceae (Grünalgaen). Ordnung: Tetrasporales. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers. 6. Teil. Pp. I–X, 1–116, pls 1–47.
- Huber-Pestalozzi, G. 1961: Chlorophyceae (Grünalgen). Ordnung: Volvocales. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 5. Teil. Pp. I–XII, 1–744, pis I–CLVIII.
- Thronsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.

Order CHLOROCOCCALES

- Hegewald, E. & Silva, P.C. 1988: Annotated catalogue of Scenedesmus and nomenclaturally related genera, including original descriptions and figures. – *Bibliotheca Phycologica* 80: i–xii, 1–587.
- Hindák, F. 1977: Studies on the chlorococcal algae (Chlorophyceae). I. – *Biologické Práce* 23(4):1–190.
- Hindák, F. 1980: Studies on the chlorococcal algae (Chlorophyceae). II. – *Biologické Práce* 26(6):1–195.

- Hindák, F. 1984: Studies on the chlorococcal algae (Chlorophyceae). III. – *Biologické Práce* 30(1):1–308.
- Hindák, F. 1988: Studies on the chlorococcal algae (Chlorophyceae). IV. – *Biologické Práce* 34(1–2):1–263.
- Komárek, J. & Fott, B.† 1983: Chlorophyceae (Grünalgaen). Ordnung: Chlorococcales. – *Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers. 7. Teil, 1. Hälfte* 1. Pp. I–VII, 1–1044.

Order ULOTRICHALES

- Bourrelly, P. Ulotrichales d'eau douce rares ou nouvelles. – *Phykos* 1:29–35.
- Printz, H. 1964: Die Chaetophorales der Binnengewässer. Eine systematische Übersicht. – *Hydrobiologia* 24:1–376.
- Ramanathan, K.R. 1964: Ulotrichales. – I.C.A.R. Monographs on Algae. New Delhi. 188 pp.

Order MICROSPORALES

- Lokhorst, G.M. 1999: Taxonomical study of the genus *Microspora* Thuret (Chlorophyceae). An integrated field, culture and herbarium analysis. – *Algological Studies* 93:1–38.
- Printz, H. 1964: Die Chaetophorales der Binnengewässer. Eine systematische Übersicht. – *Hydrobiologia* 24:1–376.
- Ramanathan, K.R. 1964: Ulotrichales. – I.C.A.R. Monographs on Algae. New Delhi. 188 pp.

Order OEDOGONIALES

- Hirn, K. 1900: Monographie und Iconographie der Oedogoniaceen. – *Acta Societatis Scientiarum Fennicae* 27(1):1–394, pis 1–64.
- Mrozińska-Webb, T. 1969: Chlorophyta IV. Oedogoniales – Edogoniowe. – *Flora Słodkowodna Polski* 11:1–659.

Annex: Various non-photosynthetic protist groups

Phylum ZOOMASTIGOPHORA – Zooflagellates

Class Bicosoecidea

- Huber-Pestalozzi, G. 1941: Chrysophyceen. Farblose Flagellaten. Heterokonten. – *Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte.* Pp.1–365, pis I–CVII.
- Thronsdon, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), *Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145.* Academic Press.
- Vørs, N. 1992: Heterotrofe protister (ekskl. dinoflagellater, loricabærende choanoflagellater og ciliater). – In: Thomsen, H.A. (ed.), *Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat.* Havforskning fra Miljøstyrelsen 11:195–250.

Class Choanoflagellidea – Collar flagellates

- Bourrelly, P. 1968: Les Algues d'eau douce. Initiation à la systématique. Tome II : Les Algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées. – N. Boubée & Cie, Paris. 438 pp.

- Huber-Pestalozzi, G. 1941: Chrysophyceen. Farblose Flagellaten. Heterokonten. – Die Binnengewässer Band XVI. Das Phytoplankton des Süßwassers 2. Teil. 1. Hälfte. Pp.1–365, pis I–CVII.
- Thomsen, H.A. 1992: Loricabærende Choanoflagellater (Kraveflagellater). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:157–194.
- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.
- Vørs, N. 1992: Heterotrofe protister (ekskl. dinoflagellater, loricabærende choanoflagellater og ciliater). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:195–250.

Class **Ebriidea**

- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.

Class **Kinetoplastidea**

- Throndsen, J. 1993: The planktonic marine flagellates. – In: Tomas, C.R. (ed.), Marine Phytoplankton. A Guide to Naked Flagellates and Coccolithophorids: 7–145. Academic Press.
- Vørs, N. 1992: Heterotrofe protister (ekskl. dinoflagellater, loricabærende choanoflagellater og ciliater). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:195–250.

Incertae sedis **Thaumatomastigidae** (ICBN: **Thaumatomastigaceae**)

- Bourrelly, P. 1970: Les Algues d'eau douce. Initiation à la systématique. Tome III : Les Algues bleues et rouges. Les Eugléniens, Peridiniens et Cryptomonadines. – N. Boubée & Cie, Paris. 512 pp.
- Thomsen, H.A., Hällfors, G., Hällfors, S. & Ikävalko, J. 1993: New observations on the heterotrophic protist genus *Thaumatomastix* (Thaumatomastigaceae, Protista incertae sedis), with particular emphasis on material from the Baltic Sea. – *Annales Botanici Fennici* 30:87–108.
- Vørs, N. 1992: Heterotrofe protister (ekskl. dinoflagellater, loricabærende choanoflagellater og ciliater). – In: Thomsen, H.A. (ed.), Plankton i de inre danske farvande. Analyse af forekomsten af alger og heterotrofe protister (ekskl. ciliater) i Kattegat. Havforskning fra Miljøstyrelsen 11:195–250.

- Christensen, T., Koch, C. & Thomsen, H.A. 1985: Distribution of algae in Danish salt and brackish waters. – Institut for Sporeplanter, University of Copenhagen. 64 pp.
- Christensen, T. & Thomsen, H.A. 1974: Algefortegnelse. Oversigt over udbredelsen af danske salt- og brakvandsarter fraset ikke-planktiske kiselalger. Foreløbig udgave. Universitetsbogladen/ Naturfagsbogladen, København. 35 pp.
- Drebes, G. & Elbrächter, M. 1976: A checklist of planktonic diatoms and dinoflagellates from Helgoland and List (Sylt), German Bight. – *Botanica Marina* 19:75–83.
- Edler, L., Hällfors, G. & Niemi, Å. 1984: A preliminary check-list of the phytoplankton of the Baltic Sea. – *Acta Botanica Fennica* 128:1–26.
- Hällfors, G. 1979: A preliminary check-list of the phytoplankton of the northern Baltic Sea. – *Vesihallituksen Julkaisuja / Publications of the Water Research Institute* 34: 3–24.
- Hartley, B. 1986: A check-list of the freshwater, brackish and marine diatoms of the British Isles and adjoining coastal waters. – *Journal of the Marine Biological Association of the United Kingdom* 66:531–610.
- Heimdal, B.R., Hasle, G.R. & Throndsen, J. 1973: An annotated check-list of plankton algae from the Oslofjord, Norway (1951–1972). – *Norwegian Journal of Botany* 20:13–19.
- Hendey, N.I. 1954: A preliminary check-list of British marine diatoms. – *Journal of the Marine Biological Association of the United Kingdom* 33:537–560.
- Hendey, N.I. 1974: A revised check-list of British marine diatoms. – *Journal of the Marine Biological Association of the United Kingdom* 54:277–300.
- Jordan, R.W. & Green, J.C. 1994: A check-list of the extant Haptophyta of the world. – *Journal of the Marine Biological Association of the United Kingdom* 74:149–174.
- Koch, C. 1983: Fortegnelse over danske marine diatomeer. – Rapport til Statens Naturvidenskabelige Forskningsråd, pp. i–v, 1–32 (mimeographed).
- Kristiansen, J. 1980: A checklist of Danish freshwater Chrysophyceae. Also including Prymnesiophyceae and Bicosoecophyceae. – Institute of Plant Anatomy & Cytology, University of Copenhagen. 37 pp.
- Kristiansen, J. 1982: Additions to: A checklist of Danish freshwater Chrysophyceae 1980. – 3 pp. (mimeographed).
- Kristiansen, J. 1985: A checklist of Danish freshwater Chrysophyceae. Also including Prymnesiophyceae and Bicosoecophyceae. – Institut for Sporeplanter, University of Copenhagen. Second edition, 48 pp.
- Kristiansen, J. 1991: A checklist of Danish freshwater chrysophytes. – Chrysophyceae – Synurophyceae – Prymnesiophyceae – Bicosoecophyceae. – Institut for Sporeplanter, University of Copenhagen. Third edition, 54 pp.
- Lange, C.B., Hasle, G.R. & Syvertsen, E.E. 1992: Seasonal cycle of diatoms in the Skagerrak, North Atlantic, with emphasis on the period 1980–1990. – *Sarsia* 77:173–187.
- Parke, M. 1953: A preliminary check-list of British marine algae. – *Journal of the Marine Biological Association of the United Kingdom* 32:497–520.
- Parke, M. & Dixon, P.S. 1964: A revised check-list of British marine algae. – *Journal of the Marine Biological Association of the United Kingdom* 44:499–542.
- Parke, M. & Dixon, P.S. 1968: Check-list of British marine algae – second revision. – *Journal of the Marine Biological Association of the United Kingdom* 48:783–832.
- Parke, M. & Dixon, P.S. 1976: Check-list of British marine algae – third revision. – *Journal of the Marine Biological Association of the United Kingdom* 56:527–594.
- Sournia, A. 1973: Catalogue des especes et taxons infraspécifiques de Dinoflagellés marins actuels (publiés depuis la révision de J. Schiller). I. Dinoflagellés libres. – *Nova Hedwigia Beiheft* 48:1–92.

- Sournia, A. 1973: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. II. Dinoflagellés parasites ou symbiotiques. – Archiv für Protistenkunde 117:1–19.
- Sournia, A. 1978: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. III. – (Complément). – Revue Algologique, N. S. 13:3–40.
- Sournia, A. 1978: Catalogue des espèces et taxons infraspécifiques de Dinoflagellés marins actuels publiés depuis la révision de J. Schiller. IV. – (Complément). [Catalogue of the taxa of the recent marine dinoflagellates published since the revision by J. Schiller IV. (Supplement).] – Archiv für Protistenkunde 126:151–168.
- Taasen, J.P. & Saugestad, T. 1974: A list of plankton algae, collected in net hauls from Raunefjorden, Western Norway. With some remarks on the seasonal variation of the dominant species. – Sarsia 55:121–128.
- Willén, E. 2001: Checklista över cyanobakterier i Sverige. [Checklist of cyanobacteria in Sweden.] – ArtDatabanken, SLU, Uppsala. pp.
- Williams, D.M., Hartley, B., Ross, R., Munro, M.A.R., Juggins, S. & Battarbee, R.W. 1988: A coded checklist of British diatoms. – ENSIS Publishing, London. Pp. i–vi, 1–74.
- Zetterberg, G. 1983: Code-list PL. Phyttoplankton, limnic. Ad hoc version 83144-GUZ. – Statens Naturvårdsverk, 22 pp.
- Zetterberg, G. 1986: Code list P4. Phyttoplankton. Version 86165-GUZ. – Code Centre, Swedish Museum of Natural History, 176 pp.
- Zetterberg, G. (ed.) 1991: Code list PS. Algae - Supplement. Version 91162-GUZ. – Nordic Code Centre, Swedish Museum of Natural History, approx 62 pp.

Checklists, mainly macroalgae

- Christensen, T. 1968: Algefortegnelse. Fortegnelse over danske salt- og brakvandsalger. Ufærdig liste mangfoldiggjort som manuskript. – Tuteln & Koch, Rotaprint. 23 pp.
- Nielsen, R. & Kristiansen, Aa. 1994: Danske havalger udbredelse og danske navne. – Miljø- og Energiministeriet, Skov- og Naturstyrelsen 123 pp.
- Tolstoy, A. & Willén, T. (eds.) 1997: Preliminär checklista över makroalger i Sverige. [A preliminary checklist of macroalgae in Sweden.] – ArtDatabanken, SLU, Uppsala. 127 pp.

