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No. 12, Thiruvannamalai Nagar, Saravanampatti - Kalapatti Road, Saravanampatti,
Coimbatore, Tamil Nadu 641035, India

Ph: +91 9385339863 | www.threatenedtaxa.org

Email: sanjay@threatenedtaxa.org

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Caption: Large Indian Civet *Viverra zibetha*, Tricoloured Munia *Lonchura malacca* and *Hoya wightii* (Medium—pencil crayon on watercolour paper) © Supriya Samanta.



Comprehensive checklist of algal class Chlorophyceae (sensu Fritsch, 1935) for Uttar Pradesh, India, with updated taxonomic status

Sushma Verma¹ , Kiran Toppo² & Sanjeeva Nayaka³

¹⁻³ Plant Diversity, Systematics and Herbarium Division, CSIR – National Botanical Research Institute, Rana Pratap Marg, Lucknow, Uttar Pradesh 226001, India.

¹ creation.sanju@gmail.com, ² toppokiran@yahoo.co.in, ³ nayaka.sanjeeva@gmail.com (corresponding author)

Abstract: Uttar Pradesh is an active center for algal research in India, but regional checklists are not available. Checklists of algae reported from class Chlorophyceae (sensu Fritsch, 1935) are presented here, with taxonomic status updated per AlgaeBase. The checklist covers algae from 17 types of habitats and includes 749 species, 166 varieties and six forms, belonging to four phyla, 11 classes, 26 orders, 64 families and 161 genera. Charophyta is the dominant phylum with 519 infrageneric taxa (species, varieties, forms), while Chlorophyta is represented by 389 taxa. Zygnematophyceae is the dominant class with 465 infrageneric taxa under two orders, six families and 29 genera. Chlorophyceae has 305 infrageneric taxa under five orders, 33 families, and 76 genera. *Cosmarium* is the most speciose genus with 163 taxa, followed by *Oedogonium* (79), *Spirogyra* (72), and *Closterium* (54). Our study revealed that of 75 districts in Uttar Pradesh only 40 are explored for algae, with Prayagraj and Lucknow recording 266 and 144 taxa respectively.

Keywords: Asia, aquatic organism, biodiversity, enumeration, gangatic plains, green algae.

उत्तर प्रदेश, भारत में शैवाल अनुसंधान का एक सक्रिय केंद्र है। इसके बावजूद इस प्रदेश के शैवालों का चेकलिस्ट उपलब्ध नहीं है। वर्ग क्लोरोफेसी (संसु फ्रिच, १९३५) की चेकलिस्ट जो कि आधुनिक वर्गीकरण एल्गीबेस पर आधारित है, यहाँ प्रस्तुत की गयी है। प्रस्तुत चेकलिस्ट में शैवालों की ७४९ प्रजातियाँ, १६६ वराईटी और ०६ फ़ोर्मा एक साथ समाग्रहीत की गयी हैं, जो १६९ जाति, ६४ वंश, २६ आर्डर, ११ वर्ग तथा ४ फ़ाइला के अंतर्गत आते हैं। ये सभी प्रजातियाँ कुल १७ विभिन्न प्राकृतिक आवास से प्रतिवेदित की गयी हैं। फाइलम कारोफाइटा अधिकतम पाये गए हैं। जिसमें ५१९ इन्फ्रा जेनेरिक प्रजातियाँ (प्रजाति, वराईटी, फ़ोर्मा) हैं। जबकि क्लोरोफाइटा में ३८९ प्रजातियाँ दर्ज की गई हैं। शैवाल वर्ग में वर्ग जिम्नोमिटेसी अधिक संख्या में हैं, जिसमें सर्वाधिक ४६५ इन्फ्रा जेनेरिक प्रजातियाँ हैं, जो कि २९ जातियाँ, ३३ वंश तथा ०२ आर्डर में वर्गीकृत हैं। जबकि वर्ग क्लोरोफाइसी में ३०५ इन्फ्रा जेनेरिक प्रजातियाँ सम्मिलित हैं जो ७६ जातियाँ, ३३ वंश तथा ५ आर्डर में वर्गीकृत हैं। सर्वाधिक रूप से कोसमैरियम प्रजातियाँ पायी गयी हैं, जिसकी कुल १६३ प्रजातियाँ हैं। इसके पश्चात ऊडोगोनियम ७९, स्पाईरोगाइरा ७२ तथा क्लोस्टेरियम ५४ प्रजातियाँ दर्ज की गयी हैं। प्रस्तुत अध्ययन से ज्ञात होता है, कि उत्तर प्रदेश के कुल ७५ जिलों में से केवल ४० जिलों से शैवाल की खोज की गयी है। जिसमें प्रयागराज से २६६ तथा लखनऊ से १४४ शैवाल की प्रजातियाँ हैं।

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Author details: DR. SUSHMA VERMA is working as a Senior Technical Officer in Algology Laboratory, CSIR-NBRI. Her expertise includes molecular systematics of plants. DR. KIRAN TOPPO is a Senior Technical Officer in Algology Laboratory, CSIR-NBRI. Her expertise includes fresh water algal taxonomy, especially of Class Chlorophyceae. DR. SANJEEVA NAYAKA is a Senior Principal Scientist at Lichenology Laboratory, CSIR-NBRI. His expertise includes taxonomy of lichens and their bioprospection for air pollution monitoring and various biological activities.

Author contributions: SV and KT collected and compiled information on algae. Further, SV drafted the manuscript while KT authenticated the identities of several taxa. SN conceptualized the study, updated the current taxonomic status algae and improved the manuscript.

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INTRODUCTION

Algae are defined as “oxygenic photosynthesisers other than embryophyte land plants” by Cavalier-Smith (2016). They are predominantly aquatic photosynthetic organisms, and are the major primary producers. Algae are ubiquitous in distribution and occur in a wide variety of shapes and sizes. Fristch (1935) classified algae into 11 classes under the plant kingdom, mostly based on the pigments, reserve food and flagella. Modern classification uses few kingdoms and several phyla (Ruggiero et al. 2015). Although Fristch’s classification is obsolete, it is still popular and followed by many authors. AlgaeBase (www.algaebase.org, Guiry & Guiry 2019) currently lists 155,155 species and infraspecific taxa, under 15 phyla and 54 classes. According to Guiry (2012) there are 72,500 species of algae in the world, of which >20,000 are diatoms. From India so far 7,411 taxa of algae are known, which is 15% of the total Indian flora (Mao & Dash 2019).

Freshwater algal studies in India date back 170 years, when Griffith (1849) first reported species of *Chara* from West Bengal. Several workers thereafter explored the algal flora of different water bodies across India. Uttar Pradesh, the fourth largest and most populous state of India, lies between the geo-coordinates 23.866–30.416N and 77.05–84.15E. The state covers a geographical area of 2,40,9228 km² and is divided into 75 districts. Himalayan foothills form the northern border, and the state is largely covered by plains characterized by hard rock strata and plateaus. About 7% (16,826 km²) of the geographical area is covered by forests, which include tropical thorn forest, deciduous and semi-evergreen. A total of 5,712 km² is protected under 24 wildlife sanctuaries, three tiger reserves and one national park. The Ganga, Yamuna, Ramganga, Gomti, Ghaghara, Gandak, Chambal, Betwa, Ken, and Son are some of the major rivers flowing through Uttar Pradesh. The state has at least 36 prominent lakes and numerous ponds. It is notable that 11 wetlands of the state are declared as wildlife sanctuaries of which eight are recognized as Ramsar sites. Uttar Pradesh has a humid subtropical climate with four seasons; temperature ranges from 42°C in summer to 7°C in winter. Annual rainfall ranges from 650 to 1,000 mm. The state has been an active center of algal research in India for nine decades, indicated by numerous publications and descriptions of several novel taxa. However, the algal enumerations published from Uttar Pradesh are scattered and a compiled list is not yet available. The aim of the present study is to prepare comprehensive checklist of algal flora for Uttar Pradesh

state. Since a large number of studies are available with total taxa exceeding 2,000, the checklist is split in to several publications. Class Chlorophyceae (sensu Fritsch 1935) is presented here, with updated taxonomic status of all taxa.

Uttar Pradesh state has been explored extensively for green algae, and major works include Rao 1937, 1948; Singh 1938, 1939, 1941, 1945; Randhawa 1946; Mitra 1947; Gupta & Pandey 1950a,b, 1951a,b; Gupta 1956a,b; Venkataraman 1957, 1959; Sarma 1962, 1963; Lakshminarayana 1963; Prasad 1964, 1965, 1978; Prasad & Srivastava 1964; Pandey 1966, 1969; Ahmed 1967; Hortobagyi 1969; Prasad & Dutta 1970a,b; Shukla 1971; Khan & Rawat 1972; Prasad et al. 1973; Sarma & Shyam 1974; Bendre & Kumar 1975; Chaturvedi 1975; Kumar 1975; Prasad & Asthana 1975a,b; Rai & Kumar 1976; Chadha & Pandey 1977; Pal 1977; Chadha & Pandey 1978; Prasad & Jain 1978; Gupta & Pandey 1979; Pandey & Chaturvedi 1979; Prasad & Kumari 1979; Tiwari et al. 1979; Pandey et al. 1981; Prasad & Fatima 1981a,b,c. Gupta (2012) in his checklist included a total of 622 taxa under class Chlorophyceae from Uttar Pradesh while Suseela et al. (2015) could compile only 301 taxa including some taxa already mentioned by Gupta (2012). These numbers indicate the ambiguity regarding species richness of Chlorophyceae in the state. Moreover, there are several districts, remains unexplored to present accurate data on the algal diversity of Uttar Pradesh. Present study not only provides number of chlorophycean species but also help in identifying lacuna and potential areas for future exploration.

MATERIALS & METHODS

The present checklist is based on an extensive review of literature involving over 126 research papers, 10 books, monographs and chapters, 18 dissertations and Ph.D. theses deposited at various universities and research institutes. The entire list is appended as a bibliography. Taxa identified up to species, variety or forma level are included. Taxonomic identities of the taxa were checked on AlgaeBase (www.algaebase.org). Taxa are arranged alphabetically (Table 1) and their heirarchical position is provided separately (Table 2). AlgaeBase is followed for arranging taxa as per their hierarchy, which in turn mostly follows the classification system proposed by Ruggiero et al. (2015). A map of Uttar Pradesh indicating the districts explored for Chlorophyceae is provided in Figure 1.

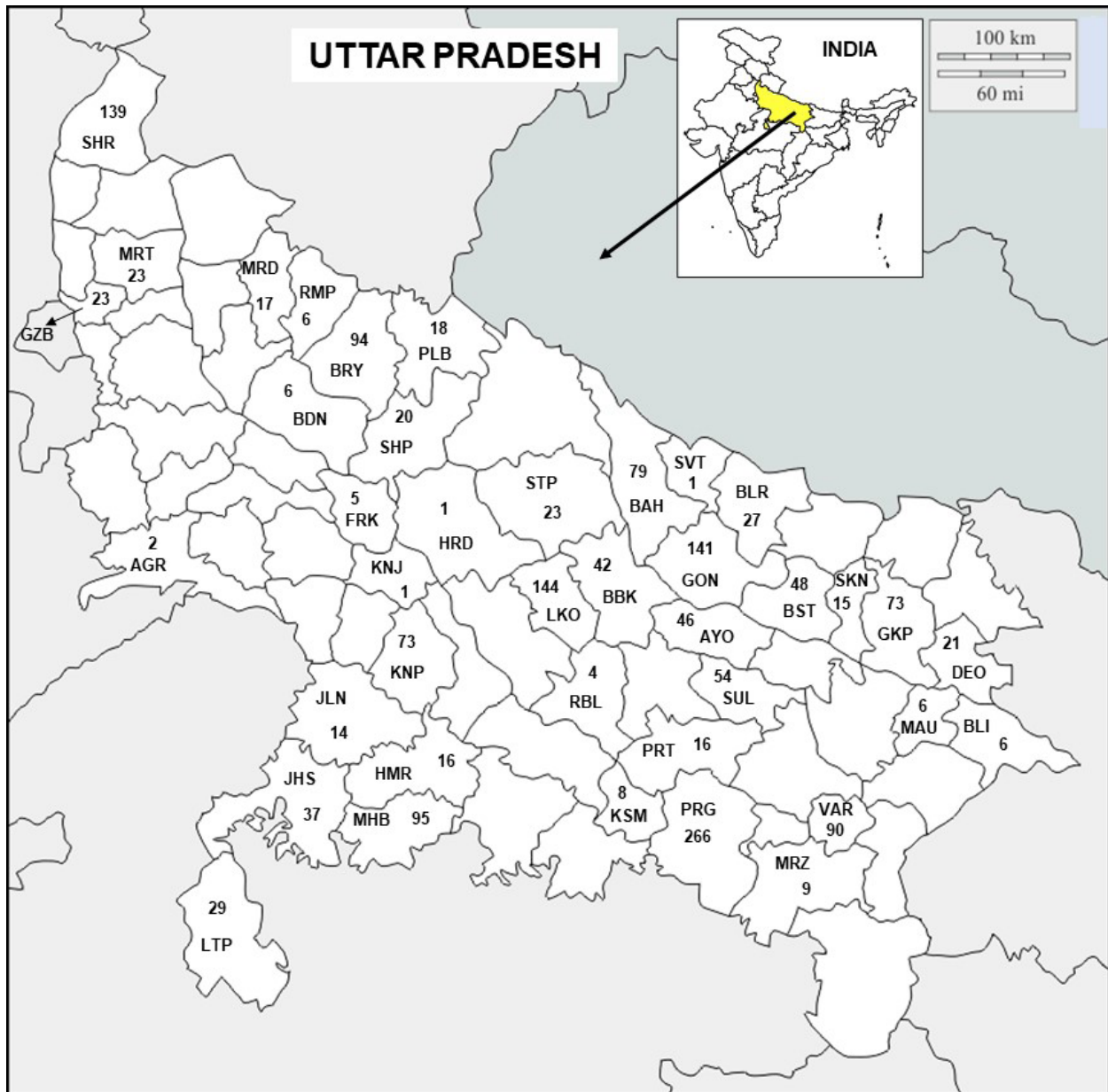


Figure 1. Map of Uttar Pradesh showing districts with reports of Chlorophycean algae. The numbers inside districts indicate totals of infrageneric taxa recorded: AGR—Agra | AYO—Ayodhya | BAH—Bahraich | BBK—Barabanki | BDN—Badaun | BLI—Ballia | BLR—Balrampur | BRY—Bareilly | BST—Basti | DEO—Deoria | FRK—Farrukhabad | GKP—Gorakhpur | GON—Gonda | GZB—Ghaziabad | HMP—Hamirpur | HRD—Hardoi | JHS—Jhansi | JLN—Jalaun | KNJ—Kannauj | KNP—Kanpur | KSM—Kaushambi | LKO—Lucknow | LTP—Lalitpur | MHB—Mahoba | MAU—Mau | MRD—Moradabad | MRT—Meerut | MRZ—Mirzapur | PLB—Pilibhit | PRG—Prayagraj | PRT—Pratapgarh | RBL—Raebareli | RMP—Rampur | SHP—Shahjahanpur | SHR—Saharanpur | SKN—Sant Kabir Nagar | STP—Sitapur | SVT—Shravasti | SUL—Sultanpur | VRN—Varanasi. Map modified from d-maps.com.

RESULTS

The compilation of available literature resulted in 979 taxa, reduced to 921 after considering synonyms and deleting unverifiable names. It is notable that Class Chlorophyceae of Fritsch (1935) now falls under four phyla: Charophyta, Chlorophyta, Glaucophyta and

Ochrophyta. 921 taxa are distributed under these four phyla, 11 classes, 26 orders, 64 families and 161 genera, 749 species, 166 varieties, and six forma (Table 1). Five names are excluded from the list, as their status were could not be ascertained from Algaebase (pers. com. with Guiry MDR): *Arnoldiella glomerata* Fritsch; *Cladophora furotosa* (Griff) Harvey; *Draparnaldia indica* J.P.Sinha &



Noor; *Spirogyra hyalina* var. *gracilis* (Hassall) Kützing; and *S. reservoiransensis* R.N.Singh. The study revealed that phylum Charophyta is most dominant in Uttar Pradesh with 519 infrageneric taxa (species, varieties, forma) under four classes, six orders, 10 families, and 37 genera. Whereas Chlorophyceae is the most diverse phylum with 389 infrageneric taxa under four classes, 17 orders, 51 families, and 120 genera (Table 2). Among the 11 classes Ulvophyceae of phylum Chlorophyta is diverse with six orders followed by Chlorophyceae and Trebouxiophyceae with five orders each. However, Zygnematophyceae of phylum Charophyta is the most dominant class with maximum infrageneric taxa totaling up to 465 under two orders, six families, and 29 genera. It is followed by Chlorophyceae with 305 infrageneric taxa under five orders, 33 families, and 76 genera. Order Chlamydomonadales of phylum Chlorophyta is the most diverse in the state with 17 families, 27 genera, and 61 species and varieties, followed by Sphaeropleales with nine families, 33 genera, and 112 species and varieties. Desmidiaceae (phylum Charophyta) is the diverse family with 16 genera and 277 species and varieties, followed by Hydrodictyaceae with nine genera and 21 taxa, and Chaetophoraceae with seven genera and 29 species and varieties. *Cosmarium* is the most speciose genera with 163 taxa followed by *Oedogonium* (79), *Spirogyra* (72), *Closterium* (54) while several genera had less than five taxa.

It is observed that algal samples were collected from as many as 17 habitats including ditches, tanks to river. Among them maximum number of Chlorophycean algae belonged to ponds with 621 taxa, followed by lakes (394 taxa) and river (236 taxa). The study revealed that out of 75 districts in Uttar Pradesh, algal exploration has been carried out only in 40 districts (Figure 1). The district Prayagraj (= Allahabad) recorded the maximum number of taxa (266 nos.) followed by Lucknow (144 nos.), Gonda (141 nos.), and Saharanpur (139 nos.). The species, variety or forma epithet of following taxa are based on the prominent localities in the state - *Bulbochaete allahabadensis*, *Cosmarium awadhense*, *Oedogonium areolatum* var. *gorakhporensis*, *Pleurotaenium varanasiense*, *Scenedesmus arcuatus* var. *allahabadensis*, *Spirogyra chakiaensis* var. *lucknowensis*, *S. daedalea* f. *oudhensis*, *S. oudhensis*, *Volvox rousseletii* var. *lucknowensis*, *Zygnema gorakhporensis*, and *Z. oudhense*.

It is clear from the study that 35 districts of Uttar Pradesh are either unexplored or the literature unavailable. The major algal research centres in Uttar Pradesh are mostly located in Banaras Hindu University,

Varanasi; University of Allahabad, Allahabad; University of Lucknow and CSIR-NBRI, Lucknow. Therefore, much attention was paid to easily accessible region in and around Allahabad, Lucknow, and Prayagraj while other districts are neglected. Among unexplored districts Lakhimpur, Siddarth Nagar, and Maharajanj are in the Tarai region of the state, which are wetter regions due to monsoon flooding. The district Sonbhadra located in the south-east of Uttar Pradesh is a biodiversity rich part of the state but so far no records of algae available from here. The south-western part of Uttar Pradesh can be considered as potential region under explored for algal flora. This region consists of districts such as Agra, Eath, Etawah, and Kannauj with wetlands declared as protected areas such as Patna Wildlife Sanctuary, Sarasai Nawar Wetland, Lakh Bahosi Sanctuary, National Chambal Wildlife Sanctuary, and Sursarovar Sanctuary. Currently, one each species is reported from Agra and Kannauj districts.

CONCLUSION

The enumeration of 921 taxa under phylum Chlorophyta covering only 40 districts of Uttar Pradesh in the present study is certainly remarkable indicating the presence of rich diversity of this phylum in the state. It can be noted that earlier studies by Gupta et al. (2012) and Suseela et al. (2015) have estimated low number of algae from the state. This rich diversity may be due to the presence of numerous small and large water bodies with diverse physico-chemical characteristics and seasonal variations. Floristic exploration in the unexplored areas of the state could be an important step towards unraveling the true representation of the algal wealth in the state.

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Table 1. Checklist of Chlorophycean (sensu Fritsch, 1935) taxa recorded from Uttar Pradesh. The names in the brackets are originally annotated names which are now synonyms: Habitat: A—Canal | B—Dam | C—Ditch | D—Lake | E—Paddy Field | F—Pond | G—Pool | H—Puddle | I—Reservoir | J—River | K—River Bank | L—Sewage | M—Soil | N—Stone | O—Stream | P—Tank | Q—Water Fall. Localities: AGR—Agra | AYO—Ayodhya | BAH—Bahraich | BBK—Barabanki | BDN—Badaun | BLI—Ballia | BLR—Balrampur | BRY—Bareilly | BST—Basti | DEO—Deoria | FRK—Farrukhabad | GKP—Gorakhpur | GON—Gonda | GZB—Ghaziabad | HMP—Hamirpur | HRD—Hardoi | JHS—Jhansi | JLN—Jalaun | KNJ—Kannauj | KNP—Kanpur | KSM—Kaushambi | LKO—Lucknow | LTP—Lalitpur | MHB—Mahoba | MAU—Mau | MRD—Moradabad | MRT—Meerut | MRZ—Mirzapur | PLB—Pilibhit | PRG—Prayagraj | PRT—Pratapgarh | RBL—Raebareli | RMP—Rampur | SHP—Shahjahanpur | SHR—Saharanpur | SKN—Sant Kabir Nagar | STP—Sitapur | SVT—Shravasti | SUL—Sultanpur | VRN—Varanasi.

	Currently accepted name	Habitat	Localities
1	<i>Actinastrum fluviatile</i> (J.L.B. Schröder) Fott (= <i>Actinastrum hantzschii</i> var. <i>fluviatile</i> J.B.L. Schroder)	F	HMR
2	<i>A. hantzschii</i> Lagerheim	F, D, J	BDN, BLR, MHB, MRD, RMP, SHP, FRK
3	<i>Actinotaenium colpapelta</i> (Brébisson ex W. Archer) Compère (= <i>Cosmarium viride</i> Joshua)	D, F	PRG
4	<i>A. cucurbitinum</i> (Bisset) Teiling (= <i>Cosmarium cucurbitinum</i> (Bisset) Lütkemüller)	D, F	PRG
5	<i>A. globosum</i> (Bulnheim) Kurt Förster ex Compère (= <i>Cosmarium globosum</i> Bulnheim)	D, F	PRG
6	<i>A. inconspicuum</i> (West & G.S. West) Teiling	G	BRY
7	<i>A. turgidum</i> (Brébisson ex Ralfs) Teiling (= <i>Cosmarium turgidum</i> Brébisson ex Ralfs)	F, K, D, J	BBK, BRY, JLN
8	<i>Acutodesmus acutiformis</i> (Schröder) Tsarenko & D.M. John (= <i>Scenedesmus acutiformis</i> Schroder)	B, D, F, J	KNP, LKO, SHR
9	<i>Aegagropila calcicola</i> (F.E. Fritsch) C. Boedeker (= <i>Cladophorella calcicola</i> Fritsch)	A, D, F, H	BLR
10	<i>A. linnaei</i> Kützing (= <i>Cladophora aegagropila</i> (Linnaeus) Trevisan; <i>Cladophora profunda</i> var. <i>nordstedtiana</i> Brand)	A, D, F, H	BLR, PRG
11	<i>Aegagropilopsis clavuligera</i> (Grunow) Boedeker (= <i>Cladophora clavuligera</i> Grunow)	A, D, F, H	BLR
12	<i>Ankistrodesmus densus</i> Korshikov (= <i>Ankistrodesmus spiralis</i> var. <i>fasciculatus</i> G.M. Smith)	D, J, F, K, I	MHB, SHR
13	<i>A. falcatus</i> (Corda) Ralfs	I, F, M	PRG, JLN, LKO, LTP, MHB, SHR
14	<i>A. falcatus</i> var. <i>radiatus</i> Lemmermann	M	PRG, BBK, JLN, KSM, KNP, LKO, SUL, VRN
15	<i>A. sigmaideus</i> (Rabenhorst) Brühl & Biswas	D	LTP
16	<i>A. spiralis</i> (W.B. Turner) Lemmermann	J, F, K, I	BAH, LKO, LTP, MHB, SHR
17	<i>Aphanochaete magnum</i> Godward	F	KNP, LKO
18	<i>A. polychaete</i> (Hansgirg) F.E. Fritch	F	DEO, GKP
19	<i>A. repens</i> A. Braun	F	PRG, HMR, LKO, VRN,
20	<i>Arnoldiella chelonum</i> (Collins) C. Boedeker (= <i>Basicladia chelonum</i> (Collins) W.E. Hoffmann & Tilden)	J	KNP
21	<i>Arthrodesmus arcuatus</i> var. <i>minus</i> Scott & Prescott	F, D	LKO
22	<i>Asterococcus limneticus</i> G.M. Smith	K	BAH
23	<i>Balticola droebakensis</i> (Wollenweber) Droop (= <i>Haematococcus droebakensis</i> Wollenweber)	F, J	VRN
24	<i>Botryococcus braunii</i> Kützing	I, F	PRG, BAH, LKO, SHR, STP
25	<i>Bulbochaete affinis</i> Hirn	D	PRT
26	<i>B. allahabadensis</i> G.L. Tiwari	A, C	PRG
27	<i>B. indica</i> P. Sarma (= <i>Bulbochaete pseudoareolata</i> Kargupta)	A, K, J	BAH, GON
28	<i>B. intermedia</i> De Bary ex Hirn	D	PRT
29	<i>B. lagoensis</i> Wittrock ex Hirn	D	PRT
30	<i>B. nana</i> Wittrock ex Hirn	F	PRG
31	<i>B. polyandria</i> Cleve ex Hirn	D	PRT
32	<i>B. rectangularis</i> Wittrock ex Hirn	D	PRT
33	<i>B. repanda</i> Wittrock ex Hirn	D	PRT
34	<i>B. reticulata</i> Nordstedt	D	PRT
35	<i>B. triangularis</i> C.-C. Jao	D	PRT
36	<i>B. varians</i> Wittrock ex Hirn	C, D	PRT, RBL



	Currently accepted name	Habitat	Localities
37	<i>B. nordstedtii</i> Wittrock ex Hirn	F, A, P	BAH, GON
38	<i>Carteria intermedia</i> A.K. Mitra	E, F	PRG
39	<i>C. lunzensis</i> Pascher & Jahoda	E, J	PRG
40	<i>Cephaleuros virescens</i> Kunze ex E.M. Fries	J	LKO
41	<i>Chaetopeltis orbicularis</i> Berthold	A, J	MHB
42	<i>Chaetophora lobata</i> Schrank (= <i>Chaetophora incassata</i> Hazen)	B, F	DEO, GKP
43	<i>Chaetophoropsis attenuata</i> (Hazen) B. Wen Liu, Qian Xiong, X. Dong Liu, Z. Yu Hu & G. Xiang Liu (= <i>Chaetophora attenuata</i> Hazen)	F	PRG, BAH, DEO, GKP, LKO
44	<i>C. elegans</i> (Roth) B. Wen Liu, Qian Xiong, X. Dong Liu, Z. Yu Hu & G. Xiang Liu (= <i>Chaetophora elegans</i> (Roth) C. Agardh)	F, K	PRG, BBK, HRD, MAU, RBL, BRY, SUL, VRN
45	<i>C. pisiformis</i> (Roth) B. Wen Liu, Qian Xiong, X. Dong Liu, Z. Yu Hu & G. Xiang Liu (= <i>Chaetophora pisiformis</i> (Roth) C. Agardh)	K, D, P	KNP, LKO, MHB
46	<i>C. pisiformis</i> var. <i>hamata</i> (C.-C. Jao) B. Wen Liu, Qian Xiong, X. Dong Liu, Z. Yu Hu & G. Xiang Liu (= <i>Chaetophora pisiformis</i> var. <i>hamata</i> C.-C. Jao)	K, F, D, P	DEO, GKP
47	<i>Chaetosphaeridium globosum</i> (Nordstedt) Klebahn	F, J	MHB
48	<i>C. ovalis</i> G.M. Smith	F, J	MHB
49	<i>C. pringsheimii</i> Klebahn	F	DEO, GKP
50	<i>Chara bharadwajae</i> Y.S.R.K. Sarma & M. Khan	D, F, O, J	SUL
51	<i>C. braunii</i> C.C. Gmelin	D, F, O, J	BRY
52	<i>C. contraria</i> A. Braun ex Kützing	D, F, O, J	BRY
53	<i>C. corallina</i> Klein ex C.L. Willdenow	D, F, O	SUL
54	<i>C. diaphana</i> (F.J.F. Meyen) R.D. Wood (= <i>Chara zeylanica</i> var. <i>diaphana</i> (F. Meyen) R.D. Wood)	D, F, O, J	BRY
55	<i>C. fibrosa</i> C. Agardh ex Bruzelius	A, D, F, O, J	BRY, SUL
56	<i>C. globularis</i> Thuiller	D, F, O, J	BRY, SUL
57	<i>C. hookeri</i> A. Braun (= <i>Chara fibrosa</i> var. <i>hookeri</i> (A. Braun) R.D. Wood)	D, F, J	SUL
58	<i>C. hydropithys</i> Reichenbach (= <i>Chara fibrosa</i> var. <i>hydropithys</i> (Reischenbach) R.D. Wood)	B, D, F, O, J	BRY, SUL
59	<i>C. nuda</i> B.S. Pal	D, O, J	BRY
60	<i>C. setosa</i> Klein ex C.L. Willdenow	D, F, O, J	BRY
61	<i>C. vulgaris</i> Linnaeus	D, F, O, J	BRY, SUL
62	<i>C. zeylanica</i> Willdenow	D, O, J	BRY, MRD, SUL
63	<i>Characiellopsis anophelesi</i> (M.O.P. Iyengar & M.O.T. Iyengar) M.O.P. Iyengar (= <i>Characium anopheles</i> M.O.P. Iyengar)	A, O	PRG
64	<i>Characium acuminatum</i> A. Braun	F, J, O	PRG
65	<i>C. orissicum</i> Philipose	A, O	PRG
66	<i>C. pringsheimii</i> A. Braun	J, P	KNP
67	<i>Chlamydocapsa planctonica</i> (West & G.S. West) Fott (= <i>Gloeocystis gigas</i> (Kützing) Lagerheim; <i>Gloeocystis planctonica</i> (West & G.S. West) Lemmermann)	D, F, P	KSM, LKO, MHB
68	<i>Chlamydomonas angulosa</i> E.O. Dill	E, F, H	PRG
69	<i>C. debaryana</i> var. <i>atactogama</i> (Korshikov) Gerloff (= <i>Chlamydomonas atactogama</i> Korshikov)	A, J, F, L	KNP
70	<i>C. globosa</i> J.W. Snow	J, F, D	LKO, VRN
71	<i>C. gloeogama</i> Korshikov	F	PRG
72	<i>C. grandistigma</i> A.K. Mitra	E, J, F	PRG
73	<i>C. indica</i> A.K. Mitra	E, F, A	PRG
74	<i>C. intermedia</i> Chodat	E, J	PRG
75	<i>C. iyengarii</i> A.K. Mitra	D	PRG
76	<i>C. pertusa</i> Chodat	C, F, J	KNP
77	<i>C. reinhardtii</i> P.A. Dangeard	F, L	KNP
78	<i>C. sphagnicola</i> (F.E. Fritsch) F.E. Fritsch & H. Takeda	D, F	KNP

	Currently accepted name	Habitat	Localities
79	<i>C. sphagnophila</i> Pascher	F, J	SUL
80	<i>C. sphagnophila</i> var. <i>indica</i> (A.K. Mitra) Ettl (= <i>Chlamydomonas eugamatos</i> var. <i>indica</i> Mitra)	E, F	PRG
81	<i>Chlorella vulgaris</i> Beyerinck [Beijerinck]	F, K, J	PRG, JHS, JLN
82	<i>Chlorochytrium lemnae</i> Cohn (= <i>Chlorochytrium limnanthemum</i> (D.D. Cunningham) G.S. West)	J	PRG
83	<i>Chlorococcum infusionum</i> (Schrank) Meneghini (= <i>Chlorococcum humicola</i> (Nägeli) Rabenhorst)	D, F, J, K	BAH, JLN, PRG, AYO, MHB
84	<i>C. vitiosum</i> Printz	K	FRK
85	<i>Chlorogonium elongatum</i> (P.A. Dangeard) France	F, H	MRZ
86	<i>C. spirales</i> Scherffel & Pascher	J	VRN
87	<i>Choricystis parasitica</i> (K. Brandt) Pröschold & Darienko (= <i>Chlorella parasitica</i> (F. Brandt) Beijerinck)	F	PRG
88	<i>Cladophora cristata</i> Kützing	A, D, F, H, J	PRG, BLR, SUL
89	<i>C. crystallina</i> (Roth) Kützing	A, D, F, H	BLR
90	<i>C. flexuosa</i> (O.F. Müller) Kützing	J	BLR
91	<i>C. fracta</i> (O.F. Müller ex Vahl) Kützing	J	PRG, JLN, VRN
92	<i>C. glomerata</i> (Linnaeus) Kützing	J, F, A	PRG, BDN, BRY, BAH, BLR, SHP, SUL, VRN
93	<i>C. gracilis</i> Kützing	A, D, F, H, J	BLR
94	<i>C. intermedia</i> Foslie	A, D, F, H	BLR
95	<i>C. rivularis</i> (Linnaeus) Kuntze (= <i>Cladophora insignis</i> (C. Agardh) Kützing; <i>Cladophora oligoclona</i> (Kützing) Kützing)	A, C, D, F, H, P	PRG, LKO, VRN, BLR
96	<i>Closteriopsis longissima</i> (Lemmermann) Lemmermann (= <i>Closterium didymotocum</i> var. <i>tropicum</i> West & G.S. West)	F	PRG
97	<i>Closterium acerosum</i> Ehrenberg ex Ralfs	K, J, F, D	PRG, BAH, LTP, LKO, PLB, MRT, VRN
98	<i>C. acerosum</i> var. <i>elongatum</i> West	D, E, F, J	PRG
99	<i>C. acutum</i> Brébisson	C, F	GZB, PLB, SHP
100	<i>C. baillyanum</i> (Brébisson ex Ralfs) Brébisson	F	BRY
101	<i>C. braunii</i> Reinsch	F	PLB
102	<i>C. calosporum</i> var. <i>maius</i> (West & G.S. West) Willi Krieger	D, B, K, J	PRG, BAH, LTP, LKO
103	<i>C. calosporum</i> Wittrock	D, B, K, F, J	PRG, BAH, LTP, LKO
104	<i>C. closterioides</i> (Ralfs) A. Louis & Peeters (= <i>Closterium libellula</i> Focke ex Nordstedt)	E	PRG
105	<i>C. cornu</i> Ehrenberg ex Ralfs	F	BRY
106	<i>C. cornu</i> var. <i>javanicum</i> Gutwinski	F	BRY
107	<i>C. croasdaleae</i> A.K.M.N. Islam	D	BRY
108	<i>C. delpontei</i> (Klebs) Wolle	J, D	BRY
109	<i>C. diana</i> Ehrenberg ex Ralfs	F, D	PRG, BAH, BRY, MHB
110	<i>C. diana</i> var. <i>arcuatum</i> (Brébisson ex Ralfs) Rabenhorst (= <i>Closterium arcuatum</i> Brébisson ex Ralfs)	A	BBK
111	<i>C. diana</i> var. <i>minus</i> F. Duceillier	F, D	MHB
112	<i>C. diana</i> var. <i>pseudodiana</i> (J. Roy) Willi Krieger (= <i>Closterium pseudodiana</i> J. Roy)	D, F	MHB
113	<i>C. ehrenbergii</i> Meneghini ex Ralfs	D, F	PRG, BAH, BBK, GZB, VRN
114	<i>C. gracile</i> Brébisson ex Ralfs	C, D, F	MHB
115	<i>C. incurvum</i> Brébisson	B, I, F	SHR
116	<i>C. intermedium</i> Ralfs	F, D	BRY
117	<i>C. intermedium</i> var. <i>erectum</i> Grönblad	F, D	BRY
118	<i>C. jenneri</i> var. <i>cynthia</i> (De Notaris) Petlovany (= <i>Closterium cynthia</i> De Notaris)	K, F	BBK, BRY, PLB
119	<i>C. kuetzingii</i> Brébisson	F, B, K	PRG, MFB, LTP, LKO
120	<i>C. lagoense</i> Nordstedt	F, A	BRY



	Currently accepted name	Habitat	Localities
121	<i>C. lanceolatum</i> Kützing ex Ralfs	B, K, J	LKO
122	<i>C. lanceolatum</i> var. <i>parvum</i> West & West	B, K, J	LKO
123	<i>C. leibleinii</i> Kützing ex Ralfs	K, D, F, F	PRG, GON, GKP
124	<i>C. lineatum</i> Ehrenberg ex Ralfs	F	BAH
125	<i>C. littorale</i> F. Gay	D, B, K, F, J	GON, JHS, LKO
126	<i>C. longissima</i> var. <i>tropica</i> West & G.S. West	F	PRG
127	<i>C. lunula</i> Ehrenberg & Hemprich ex Ralfs	J	LKO
128	<i>C. lunula</i> var. <i>biconvexum</i> Schimidle	J	BRY
129	<i>C. lunula</i> var. <i>massartii</i> (De Wild.) Willi Krieger	J	BRY
130	<i>C. moniliferum</i> Ehrenberg ex Ralfs	K, A, D, F, J	PRG, GZB, GKP, MHB, BRY, BDN, RMP, SHP
131	<i>C. navicula</i> (Brébisson) Lütkemüller	H	SUL
132	<i>C. nematodes</i> var. <i>tumidum</i> G.S. West	F, J	SHP
133	<i>C. parvulum</i> Nägeli	D, J, P	GON, KNP, LKO, VRN,
134	<i>C. parvulum</i> var. <i>angustum</i> West & G.S. West	D, P	GON, KNP, LKO
135	<i>C. peracerosum</i> F. Gay	D, K, B	JHS, LKO, SKN
136	<i>C. pleurodermatum</i> West & G.S. West	J	BRY
137	<i>C. porrectum</i> Nordstedt	F, P	BBK, BRY, KNP
138	<i>C. porrectum</i> var. <i>angustum</i> West & G.S. West	F, P	LKO
139	<i>C. praelongum</i> Brébisson	F, H	BRY
140	<i>C. pritchardianum</i> W. Archer	D, F, J, K	GZB, GKP, JHS, LKO
141	<i>C. pusillum</i> Hantzsch (= <i>Closterium pusillum</i> var. <i>monolithum</i> Wittrock)	J, M	BRY, VRN
142	<i>C. ralfsii</i> Brébisson ex Ralfs	F	BRY
143	<i>C. ralfsii</i> var. <i>hybridum</i> Rabenhorst	F	BRY
144	<i>C. rectimarginatum</i> A.M. Scott & Prescott	D, J	LKO
145	<i>C. rectimarginatum</i> var. <i>maius</i> N.D. Kamat	D, J	JHS, MHB
146	<i>C. recurvum</i> Prescott	D	GON
147	<i>C. strigosum</i> Brébisson	F, H, D	BRY
148	<i>C. tumidum</i> L.N. Johnson	K	PRG, GON, VRN
149	<i>C. turgidum</i> Ehrenberg ex Ralfs	F, J	BAH, JHS
150	<i>C. venus</i> Kützing ex Ralfs	K, F	PRG, LKO
151	Coccomyxa <i>subsphaerica</i> Chodat & Jaag	F	PRG
152	<i>C. subsphaerica</i> var. <i>terrestre</i> A. Mitra	F	PRG
153	Coelastrum <i>astroideum</i> De Notaris	F	SHR
154	<i>C. cambricum</i> var. <i>intermedium</i> (Bohlin) G.S. West	B, D, J	JHS, LTP, MHB, SHR
155	<i>C. cambricum</i> W. Archer	D	AGR, BST, KSM, LTP, MHB, SHR
156	<i>C. microporum</i> Nägeli	F	PRG, GZB, JHS, KNP
157	<i>C. proboscideum</i> Bohlin	K, F, D, P	JHS, LKO
158	<i>C. verrucosum</i> (Reinsch) Reinsch (= <i>Coelastrum morus</i> West & G.S. West)	I, F	SHR
159	Coenocystis <i>asymmetrica</i> Komárek	I	SHR
160	Coleochaete <i>conchata</i> K. Möbius	F	DEO, GKP
161	<i>C. irregularis</i> Pringsheim	A	PRG, BBK
162	<i>C. nitellarum</i> Jost	J	MHB
163	<i>C. orbicularis</i> E.G. Pringsheim	J, A, F	PRG, LKO
164	<i>C. pseudosoluta</i> Gauthier-Lièvre	D, P	BBK, MHB
165	<i>C. pulvinata</i> A. Braun	D, F	DEO, GKP

	Currently accepted name	Habitat	Localities
166	<i>C. pulvinata</i> var. <i>minor</i> A. Braun	F	DEO, GKP
167	<i>C. scutata</i> Brébisson	F	BAH, GKP, KNP, MHB, SUL
168	<i>C. soluta</i> (Brébisson) Pringsheim	D	BRY, GON, MHB
169	<i>C. soluta</i> var. <i>minor</i> Hansgirg	D, F	DEO, GKP
170	<i>Comasiella</i> <i>arcuata</i> var. <i>platydisca</i> (G.M. Smith) E. Hegewald & M. Wolf (= <i>Scenedesmus arcuatus</i> var. <i>platydiscus</i> G.M. Smith)	J	KNP
171	<i>Conochaete</i> <i>comosa</i> Klebahn	F, J	PRT
172	<i>Cosmarium</i> <i>abbreviatum</i> Raciborski	B	LTP
173	<i>C. amoenum</i> Brébisson ex Ralfs	F	PRG
174	<i>C. amoenum</i> var. <i>mediolaeve</i> Nordstedt	D, F	PRG
175	<i>C. anceps</i> P. Lundell	F, J	BRY, PLB
176	<i>C. angulatum</i> (Perty) Rabenhorst	D	PRG
177	<i>C. angulosum</i> Brébisson	F, D, J, K	PRG
178	<i>C. angulosum</i> var. <i>concinnum</i> (Rabenhorst) West & G.S. A673West	F, D, K	BST, LTP, SKN
179	<i>C. angulosum</i> var. <i>euastroides</i> (Delponte) Krieger & Gerloff	D	PRG
180	<i>C. askenasyi</i> Schmidle	D, J	GON, SHR
181	<i>C. auriculatum</i> Reinsch	D, P	PRG, BAH, GON, LKO
182	<i>C. auriculatum</i> var. <i>bogoriense</i> C. Bernard (= <i>Cosmarium subauriculatum</i> (C. Bernard) Bourrelly; <i>Cosmarium subauriculatum</i> var. <i>bogoriense</i> (C. Bernard) Bourrelly)	D	PRG
183	<i>C. awadhense</i> B.N. Prasad & R.K. Mehrotra	F, J	GZB, GON, JHS, LKO, SKN
184	<i>C. baileyi</i> Wolle (= <i>Cosmarium depressum</i> Bailey)	B, D, F, J	PRG, BBK, GKP, LKO
185	<i>C. bengalense</i> W.B. Turner	D, F, J	PRG
186	<i>C. bioculatum</i> Brébisson ex Ralfs	D, F	PRG
187	<i>C. bioculatum</i> var. <i>hians</i> West and G.S. West	F	PRG
188	<i>C. biretum</i> Brébisson ex Ralfs	F, D	PRG
189	<i>C. bituberculatum</i> F.E. Fritsch & Rich	D, J	PRG, SHP
190	<i>C. blytii</i> Wille	J	PRG, BST, MAU, DEO
191	<i>C. botrytis</i> Meneghini ex Ralfs	J	BBK
192	<i>C. botrytis</i> var. <i>mediolaeve</i> West	I, J	SHR
193	<i>C. botrytis</i> var. <i>paxillosporum</i> West & G.S. West	D	PRG
194	<i>C. braunii</i> Reinsch	F, J	BRY
195	<i>C. broomei</i> Thwaites ex Ralfs	J, I	PRG, HMR
196	<i>C. circulare</i> Reinsch (= <i>Cosmarium lundellii</i> var. <i>circulare</i> (Reinsch) Willi Krieger)	A, D, F	GKP, PRG, MRT, PLB
197	<i>C. connatum</i> Brébisson ex Ralfs	D, J	PRG, LKO, SHP
198	<i>C. connatum</i> var. <i>depressum</i> Irene-Marie	D	PRG
199	<i>C. conspersum</i> Ralfs	F	PRG
200	<i>C. conspersum</i> var. <i>latum</i> (Brébisson) West & G.S. West	D, F	PRG
201	<i>C. conspersum</i> var. <i>scottii</i> Crosdale & A.M. Scott	F	PRG
202	<i>C. constrictum</i> Delponte	D	PRG
203	<i>C. contractum</i> O. Kirchner	F, J	KNP
204	<i>C. contractum</i> var. <i>minutum</i> (Delponte) Coesel	J	SHP
205	<i>C. contractum</i> var. <i>pachydermum</i> A.M. Scott & Prescott	F, J	JHS
206	<i>C. crenatum</i> Ralfs ex Ralfs (= <i>Cosmarium ordinatum</i> E. Larsen; <i>Euastrum sinuosum</i> Kützing)	C, F	BST, PRG, SHR
207	<i>C. cucumis</i> Corda ex Ralfs	F, D	GKP
208	<i>C. cucurbitinum</i> var. <i>truncatum</i> Willi Krieger	D, F	BST, JHS
209	<i>C. cuneatum</i> Joshua	D, F	BRY



	Currently accepted name	Habitat	Localities
210	<i>C. cyclicum</i> P. Lundell	C, D	SHR
211	<i>C. cyclicum</i> var. <i>nordstedtianum</i> (Reinsch) West	D, J	BRY
212	<i>C. decoratum</i> West & G.S. West	I, D, F	BST, GON, SHR, SKN
213	<i>C. depressum</i> var. <i>apertum</i> (W.B. Turner) M. Hirano	J, H, B	JHS
214	<i>C. difficile</i> Lütke Müller	F	SHR
215	<i>C. divergens</i> Krieger	D, F, J	PRG
216	<i>C. dubium</i> O. Borge	F	MHB
217	<i>C. formosulum</i> Hoff	F, D	PRG, GON
218	<i>C. formosulum</i> var. <i>nathorstii</i> (Boldt) West & G.S. West	F, D	GKP
219	<i>C. furcatospermum</i> West & G.S. West	J, K	BBK
220	<i>C. garrolense</i> J. Roy & Bisset	F	SHR
221	<i>C. gonioides</i> West & G.S. West	B, F	GZB, MRD
222	<i>C. granatum</i> Brébisson ex Ralfs	K, D, J	PRG, BRY, HMR, LKO
223	<i>C. granatum</i> var. <i>nordstedtii</i> Hansgirg	H	MRD
224	<i>C. granatum</i> var. <i>ocellatum</i> West & G.S. West	K, D, J	PRG
225	<i>C. granatum</i> var. <i>rotundatum</i> Willi Krieger	B, F	SHR
226	<i>C. hammeri</i> Reinsch	F	PRG, GKP, BRY, MAU, DEO
227	<i>C. hammeri</i> var. <i>homalodermum</i> (Nordstedt) West & G.S. West	A, F	BAH
228	<i>C. hammeri</i> var. <i>Schmidlei</i> Grönblad & A.M. Scott	F	PRG, GKP
229	<i>C. humile</i> (Nordstedt) De Toni	B, F	BBK
230	<i>C. impressulum</i> Elfving	B, K, D, F	PRG, BAH, SHR
231	<i>C. isthmochondrum</i> Nordstedt	B, F	BRY
232	<i>C. javanicum</i> Nordstedt (= <i>Cosmarium maculatum</i> W.B. Turner)	K, D, J	GKP, HMR, STP
233	<i>C. laeve</i> Rabenhorst	D, J	PRG, SHR
234	<i>C. logiense</i> Bisset	D, B	PRG
235	<i>C. lundellii</i> Delponte	D, F	PRG, GZB, LTP, PRT
236	<i>C. lundellii</i> var. <i>corruptum</i> (W.B. Turner) West & G.S. West (= <i>Cosmarium corruptum</i> W.B. Turner)	F, J	LKO, MHB, PRG
237	<i>C. lundellii</i> var. <i>ellipticum</i> West & G.S. West	D	PRG, LKO
238	<i>C. lundellii</i> var. <i>subellipticum</i> Messikommer	D, F	PRG, BST, BBK, GKP, LKO
239	<i>C. margaritatum</i> (P. Lundell) J. Roy & Bisset	K, D, F	PRG, LKO
240	<i>C. medioscrobiculatum</i> var. <i>egranulatum</i> Gutwinski	D	PRG
241	<i>C. meneghinii</i> Brébisson ex Ralfs	C, D	PRG, SHP
242	<i>C. miniata</i> B.N. Prasad & R.K. Mehrotra	D	MHB
243	<i>C. miscellum</i> Skuja	K, F	BAH
244	<i>C. moniliforme</i> Ralfs	D, F	PRG, GZB, LKO, MHB, SKN
245	<i>C. moniliforme</i> var. <i>indentatum</i> A.M. Scott & Grönblad	D	PRG
246	<i>C. nitidulum</i> De Notaris	A, D, F	BAH, GKP, JHS
247	<i>C. nitidulum</i> var. <i>minutum</i> Prescott	D	PRG
248	<i>C. norimbergense</i> Reinsch	K, D, F	PRG, BAH
249	<i>C. notabile</i> Brébisson	F	BRY
250	<i>C. notabile</i> var. <i>medium</i> (Gutwinski) Willi Krieger & Gerloff	F	BRY
251	<i>C. nymannianum</i> Grunow	F	PLB
252	<i>C. obsoletum</i> (Hantzsch) Reinsch	A, K, D, F	PRG, BAH
253	<i>C. obsoletum</i> var. <i>sitvense</i> Gutwinski	A, K, F, J	PRG, BAH
254	<i>C. obtusatum</i> (Schmidle) Schmidle	D, F	PRG

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255	<i>C. obtusatum</i> var. <i>undulatum</i> Fritsch & M.F. Rich	D	PRG
256	<i>C. ordinatum</i> var. <i>borgei</i> Scott & Grönblad	B, F	LTP
257	<i>C. pachydermum</i> P. Lundell	D, J	PRG
258	<i>C. pachydermum</i> var. <i>aethiopicum</i> (West & G.S. West) West & G.S. West	D, J	BST, BAH, HMR, LKO
259	<i>C. pachydermum</i> var. <i>minus</i> Noestedt	D	PRG
260	<i>C. perfissum</i> G.S. West	D	BBK
261	<i>C. phaseolus</i> Brébisson ex Ralfs	D	PRG
262	<i>C. phaseolus</i> var. <i>omphalum</i> (Schaarschmidt) Raciborski	D	SHR
263	<i>C. phaseolus</i> var. <i>subbireme</i> Raciborski	F	BRY
264	<i>C. polygonum</i> (Nägeli) W. Archer	D, F	BST, LKO, MHB
265	<i>C. porteanum</i> var. <i>majus</i> Scott & Prescott	D, F	BST
266	<i>C. porteanum</i> var. <i>nephroideum</i> Wittrock	D, F	BST, JHS, SKN
267	<i>C. porteanum</i> W. Archer	D, F	PRG, BST, MHB
268	<i>C. pseudobiremum</i> Boldt	D, J	PRG
269	<i>C. pseudobroomei</i> var. <i>compressum</i> G.S. West	D, J	PRG
270	<i>C. pseudobroomei</i> var. <i>madagascariense</i> West and G.S. West	D, J	PRG
271	<i>C. pseudobroomei</i> Wille	F, J	BAH, BST, LKO
272	<i>C. pseudoconnatum</i> Nordstedt	D, F, J	PRG, SHR
273	<i>C. pseudogranatum</i> Nordstedt	F	LKO, SHR
274	<i>C. pseudopachydermum</i> Nordstedt	F	STP
275	<i>C. pseudopachydermum</i> var. <i>incrassatum</i> Fritsch & M.F. Rich	F	STP
276	<i>C. pseudoprotuberans</i> O. Kirchner	D, F	PRG
277	<i>C. pseudoprotuberans</i> var. <i>angustius</i> Nordstedt	D, F	PRG
278	<i>C. pseudopyramidatum</i> P. Lundell	C, D	BST
279	<i>C. pseudopyramidatum</i> var. <i>lentiferum</i> W.R. Taylor	D	SHR
280	<i>C. punctulatum</i> Brébisson	K, D	BAH, BST, MHB, MRZ, SKN
281	<i>C. pyramidatum</i> Brébisson ex Ralfs	C, K, F, D	BAH, BST, JHS
282	<i>C. quadratum</i> Ralfs ex Ralfs	D, F	SHR
283	<i>C. quadrifarium</i> P. Lundell	D, H	BRY
284	<i>C. quadrum</i> P. Lundell	D, F	BST, GKP, PLB, SKN
285	<i>C. quadrum</i> var. <i>sublatum</i> (Nordstedt) West & G.S. West (= <i>Cosmarium margaritatum</i> var. <i>sublatum</i> (Nordstedt) Krieger)	K, D, F	SHR
286	<i>C. quinarium</i> P. Lundell	D, F, J	PRG, BST
287	<i>C. radiosum</i> Wille	A, D, F	MRT, PLB
288	<i>C. ralfsii</i> Brébisson ex Ralfs	A	BRY
289	<i>C. regnellii</i> Wille	F	BRY
290	<i>C. reniforme</i> (Ralfs) W. Archer	D, F, J	PRG, BAH, BST, SKN
291	<i>C. reniforme</i> var. <i>compressum</i> Nordstedt	D	PRG
292	<i>C. reniforme</i> var. <i>elevatum</i> West & G.S. West	A, K, D	BAH, GZB
293	<i>C. repandum</i> Nordstedt	F, J	SHR
294	<i>C. retusiforme</i> (Wille) Gutwinski	K, F	BAH
295	<i>C. scabrum</i> W.B. Turner	D, F	PRG, PLB
296	<i>C. seelyanum</i> Wille	K, I, F	SHR
297	<i>C. sexangulare</i> P. Lundell	K, F	PRG, BAH
298	<i>C. sexnotatum</i> Gutwinski	K, J, F	JHS, PLB
299	<i>C. speciosum</i> P. Lundell	F, J	BST, GON, PLB



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300	<i>C. striolatum</i> (Nägeli) W. Archer	D	PRG
301	<i>C. subalatum</i> West & G.S. West	B, D, F	JHS, JLN, LKO
302	<i>C. subauriculatum</i> var. <i>truncatum</i> West & G.S. West	D	PRG
303	<i>C. subcostatum</i> Nordstedt	B, D	PRG, LKO
304	<i>C. subcrenatum</i> Hanzsch	D, F	PRG, BST, LKO, MHB
305	<i>C. subimpressulum</i> Borge	D, F	PRG
306	<i>C. subprotumidum</i> Nordstedt	D, F	PRG, PLB
307	<i>C. subspeciosum</i> Nordstedt	D, F	PRG
308	<i>C. subtransiens</i> Croasdale	F, H	BRY
309	<i>C. subtumidum</i> Nordstedt	D	PRG
310	<i>C. subtumidum</i> var. <i>klebsii</i> (Gutwinski) West & G.S. West	D	PRG
311	<i>C. tenue</i> W. Archer	F, J	JLN, MHB
312	<i>C. tinctum</i> Ralfs	D, F	BRY
313	<i>C. tinctum</i> var. <i>intermedium</i> Nordstedt	D, F	BRY
314	<i>C. tinctum</i> var. <i>subretusum</i> Nordstedt	F	BRY
315	<i>C. trachypleurum</i> P. Lundell	D, F	PRG
316	<i>C. trilobulatum</i> Reinsch	D, F, J	PRG, SHR
317	<i>C. tumidum</i> P. Lundell	D	GKP
318	<i>C. turpinii</i> Brébisson	D, F	MHB, SKN, STP
319	<i>C. undulatum</i> Corda ex Ralfs	F	PRG
320	<i>C. undulatum</i> var. <i>minutum</i> Wittrock	D, F	PRG
321	<i>C. venustum</i> (Brébisson) W. Archer	D	PRG
322	<i>C. vermae</i> B.N. Prasad & R.K. Mehrotra	F	BST
323	<i>C. vexatum</i> (Schidmide) Migula	D	PRG
324	<i>C. viride</i> var. <i>compressum</i> Taft	F	PRG
325	<i>C. vitiosum</i> Scott & Grönblad	D	BBK
326	<i>C. vitiosum</i> var. <i>orientale</i> A.M. Scott and Grönblad	D	LKO
327	<i>C. westii</i> C. Bernard (= <i>Cosmarium turgidum</i> var. <i>westii</i> (C. Bernard) Krieger & Gerloff)	B	PRG, BAH
328	<i>C. blytii</i> var. <i>novae-sylvae</i> West & G.S. West	B, D, J	PRG, LTP
329	<i>C. impressulum</i> var. <i>crenulatum</i> (Nägeli) Willi Krieger & Gerloff	B, K, F	BAH
330	<i>C. medioscrobiculatum</i> West & G.S. West	D	PRG
331	<i>C. ochthodes</i> Nordstedt	J	BST, SHR
332	<i>C. quadrum</i> var. <i>andamanicum</i> B.N. Prasad & P.K. Misra	D	BBK, BST, HMR
333	<i>C. subspeciosum</i> var. <i>validius</i> Nordstedt	D, F	PRG
334	<i>C. subturgidum</i> f. <i>minus</i> Schmidle (= <i>Cosmarium turgidum</i> var. <i>minus</i> (Reinsch) Schmidle)	F	VRN
335	Cosmocladium <i>constrictum</i> (W. Archer) W. Archer ex Joshua	D	LKO
336	Crucigenia <i>fenestrata</i> (Schmidle) Schmidle	F	GZB, MRT, SHR
337	<i>C. mitrii</i> G.L. Tiwari & D.C. Pandey	F, L	PRG
338	<i>C. quadrata</i> Morren	D, J	PRG, LKO
339	<i>C. tetrapedia</i> (Kirchner) Kuntze	D, F, J	LKO, LTP, SHR
340	Ctenocladus <i>circinnatus</i> Borzi (= <i>Gongrosira circinnata</i> (Borzi) Schmidle)	F	LKO
341	Cylindrocapsa <i>geminella</i> var. <i>minor</i> Hansgirg	F	SHR
342	<i>C. geminella</i> Wolle	D, F, P	PRG, MHB
343	<i>C. involuta</i> Rein	F	PRG
344	<i>C. oedogonioides</i> M.S. Randhawa	D, F	BLR

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345	<i>Cylindrocystis brebissonii</i> (Ralfs) De Bary	D, F	STP
346	<i>Desmidium baileyi</i> (Ralfs) Nordstedt	I, F, J	PRG, BAH, SHR
347	<i>D. suboccidentale</i> A.M. Scott & Prescott	D, F, P	PRG, MHB
348	<i>D. swartzii</i> C. Agardh ex Ralfs	D, F	MHB
349	<i>Desmococcus olivaceus</i> (Persoon ex Acharius) J.R. Laundon (= <i>Pleurococcus naegelii</i> Chodat)	F	PRG
350	<i>Desmodesmus abundans</i> (Kirchner) E.H. Hegewald (= <i>Scenedesmus abundans</i> (O. Kirchner) Chodat; <i>Scenedesmus quadricauda</i> var. <i>parvus</i> G.M. Smith; <i>Scenedesmus quadricauda</i> var. <i>quadripina</i> G.M. Smith)	B, F, J, P	KNP, PRG, SHR, STP
351	<i>D. abundans</i> var. <i>brevicauda</i> (G.M. Smith) Taskin & Alp (= <i>Scenedesmus abundans</i> var. <i>brevicauda</i> G.M. Smith)	J	KNP
352	<i>D. aculeolatus</i> (Reinsch) P.M. Tsarenko (= <i>Scenedesmus aculeolatus</i> Reinsch)	F	LTP
353	<i>D. armatus</i> (Chodat) E.H. Hegewald (= <i>Scenedesmus armatus</i> (Chodat) Chodat)	D, F, J	PRG, KNP, LKO
354	<i>D. armatus</i> var. <i>asymmetricus</i> (Philipose) Taşkın & Alp (= <i>Scenedesmus armatus</i> var. <i>asymmetricus</i> Philipose)	D, F	MHB
355	<i>D. armatus</i> var. <i>longispina</i> (Chodat) E. Hegewald (= <i>Scenedesmus armatus</i> var. <i>asymmetricus</i> Philipose)	F, J	PRG, JHS, KNP, MHB
356	<i>D. asymmetricus</i> (Schröder) E. Hegewald (= <i>Scenedesmus abundans</i> var. <i>asymmetricus</i> (Schroeder) G.M. Smith)	B, J	JHS, SHR
357	<i>D. bicellularis</i> (Chodat) S.S. An, T. Friedl & E. Hegewald (= <i>Scenedesmus bijugatus</i> var. <i>bicellularis</i> (Chodat) Philipose)	B, I, D, ,F J	PRG, JHS, MHB
358	<i>D. brasiliensis</i> (Bohlin) E. Hegewald (= <i>Scenedesmus brasiliensis</i> Bohlin)	I, J	GZB, KNP, MRT, SHR
359	<i>D. denticulatus</i> (Lagerheim) S.S. An, T. Friedl & E. Hegewald (= <i>Scenedesmus denticulatus</i> Lagerheim)	D	PRG, BRY, BST
360	<i>D. denticulatus</i> var. <i>linearis</i> (Hansgirg) Hegewald (= <i>Scenedesmus denticulatus</i> var. <i>linearis</i> Hansgirg)	D, F, J	PRG, BRY, BST
361	<i>D. dispa</i> (Brébisson) E. Hegewald (= <i>Scenedesmus dispar</i> Brébisson)	K, D, F, J	BST, LKO
362	<i>D. granulatus</i> (West & G.S. West) Tsarenko (= <i>Scenedesmus granulatus</i> West & G.S. West)	K, J	LKO
363	<i>D. hystrix</i> (Lagerheim) E. Hegewald (= <i>Scenedesmus hystrix</i> Lagerheim)	D, F	MHB
364	<i>D. lefevrei</i> (Deflandre) S.S. An, T. Friedl & E.H. Hegewald (= <i>Scenedesmus lefevrei</i> Deflandre)	I	GZB, MRT, SHR
365	<i>D. maximus</i> (West & G.S. West) Hegewald (= <i>Scenedesmus quadricauda</i> var. <i>maximus</i> West & G.S. West)	A, B, D, J, P	SHR
366	<i>D. opoliensis</i> (P.G. Richter) E. Hegewald (= <i>Scenedesmus opoliensis</i> P.G. Richter)	I	LKO, SHR
367	<i>D. opoliensis</i> var. <i>carinatus</i> (Lemmermann) E. Hegewald (= <i>Scenedesmus carinatus</i> (Lemmermann) Chodat)	D	PRG, GZB, MRT, SHR
368	<i>D. opoliensis</i> var. <i>mononensis</i> (Chodat) E. Hegewald (= <i>Scenedesmus opoliensis</i> var. <i>mononensis</i> Chodat)	I	PRG, GZB, MRT, SHR
369	<i>Dichotomosiphon tuberosus</i> (A. Braun ex Kützing) A. Ernst	M	SUL
370	<i>Dictyosphaerium ehrenbergianum</i> Nägeli	F	VRN
371	<i>D. indicum</i> M.O.P. Iyengar & Ramanathan	F, P	GON
372	<i>D. pulchellum</i> var. <i>minutum</i> Deflandre	F	BBK, MHB
373	<i>Dimorphococcus lunatus</i> A. Braun	I, D	MHB, SHR
374	<i>Diplosphaera chodatii</i> Bialosuknia (= <i>Stichococcus chodatii</i> (Bialosuknia) Heering)	F	PRG, LKO
375	<i>Docidium baculum</i> Brébisson ex Ralfs	F	BAH
376	<i>Draparnaldia acuta</i> (C. Agardh) Kützing	D, P	PRG, LKO
377	<i>D. champplainensis</i> P.W. Cook	E	PRG
378	<i>D. desikacharyi</i> R.N. Yadava	E, F	PRG
379	<i>D. indica</i> (Y. Bharadwaja) Manasi Mandal & D. Maity (= <i>Draparnaldia indica</i> Bharadwaja)	F	PRG, KNP
380	<i>D. iyengarii</i> G.L. Tiwari, D.C. Pandey & R.S. Pandey	E	PRG
381	<i>D. mutabilis</i> (Roth) Bory (= <i>Draparnaldia plumosa</i> (Vaucher) C. Agardh)	E	PRG
382	<i>Elongatocystis ecbalocystiformis</i> (Iyengar) L. Krienitz & C. Bock (= <i>Oocystis ecbalocystiformis</i> M.O.P. Iyengar)	K, I, F, J	JHS
383	<i>Enteromorpha flexuosa</i> subsp. <i>pilifera</i> (Kützing) Bliding (= <i>Enteromorpha intermedia</i> C.B. Bliding)	D, J	LKO



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384	<i>Epibolium polysporum</i> Duringer	D, F	DEO, GKP
385	<i>Eremosphaera gigas</i> (W. Archer) Fott & Kalina (= <i>Oocystis gigas</i> W. Archer)	D, F, J, P	JHS, MHB, SHR
386	<i>Euastrum amoenum</i> F. Gay (= <i>Euastrum denticulatum</i> F. Gay)	D, F	PRG
387	<i>E. bidentatum</i> f. <i>bidentatum</i> Nägeli (= <i>Euastrum rostratum</i> Ralfs ex Ralfs)	F	BRY
388	<i>E. bidentatum</i> Nägeli	F, J	SHR
389	<i>E. binale</i> Ehrenberg ex Ralfs	F	PRG
390	<i>E. binale</i> var. <i>juvae</i> Croasdale	D, F	PRG
391	<i>E. binale</i> var. <i>unicorne</i> W.B. Turner	F	PRG
392	<i>E. ceylanicum</i> (West & G.S. West) Willi Krieger (= <i>Euastrum sinuosum</i> var. <i>ceylanicum</i> West & G.S. West)	A, B, D, F, J, K	BAH, PRG, BST
393	<i>E. denticulatum</i> var. <i>rectangulare</i> West & G.S. West	D, F	PRG, MHB, SHR
394	<i>E. divergens</i> Joshua	A, F, J	GKP, SHR
395	<i>E. elegans</i> Ralfs	D	GKP, LKO
396	<i>E. elegans</i> var. <i>planum</i> W.B. Turner	D, F	LKO, SHR
397	<i>E. evolutum</i> (Nordstedt) West & G.S. West	F, H	MRD
398	<i>E. evolutum</i> var. <i>glaziovii</i> (G.S. West) W. Krieger	F	MRD
399	<i>E. insulare</i> (Wittrock) J. Roy (= <i>Euastrum binale</i> var. <i>insulare</i> Wittrock)	D, F	MHB, PRG, SHR
400	<i>E. johnsonii</i> West & G.S. West	D	MHB
401	<i>E. platycerum</i> Reinsch	D, F	MHB, SHR
402	<i>E. quadriceps</i> Nordstedt	D, F	BRY
403	<i>E. quadriceps</i> var. <i>minus</i> Fritsch & M.F. Rich	D, F	BRY
404	<i>E. radiatum</i> W.B. Turner	F	BRY, MRD
405	<i>E. rostratum</i> var. <i>bioculatum</i> A.M. Scott & Prescott	F	BRY
406	<i>E. sinuosum</i> Lenormand ex W. Archer (= <i>Euastrum sinuosum</i> var. <i>reductum</i> West & G.S. West)	D, F, J	SKN
407	<i>E. solum</i> (Nordstedt) Grönblad & A.M. Scott	D, F	BRY
408	<i>E. sphyroides</i> Nordstedt	K, F, J	BBK, BST, MHB
409	<i>E. sphyroides</i> var. <i>intermedium</i> Lütke Müller	D, F	BRY, MHB
410	<i>E. spinulosum</i> Delponte	D, F, J	PRG, BAH, BBK, BST, HMR, MHB, PLB, SHR
411	<i>E. spinulosum</i> var. <i>bellum</i> A.M. Scott & Prescott	D, F, J	LTP
412	<i>E. spinulosum</i> var. <i>burmense</i> (West & G.S. West) Willi Krieger (= <i>Euastrum inermius</i> var. <i>burmense</i> West & G.S. West)	D, F	MHB, PRG
413	<i>E. spinulosum</i> var. <i>inermius</i> (Nordstedt) C. Bernard	B, D, F	GKP
414	<i>E. spinulosum</i> var. <i>vaasii</i> A.M. Scott & Prescott	C, I, D, F	GON, PRT
415	<i>E. subalpinum</i> Messikommer	F	BRY
416	<i>E. subhexalobum</i> var. <i>scrobiculatum</i> Grönblad	F	BRY
417	<i>E. subhexalobum</i> West & G.S. West	F	BRY
418	<i>E. sublobatum</i> Brebisson ex Ralfs	D	LKO, MHB
419	<i>E. sublobatum</i> var. <i>sumatranum</i> A.M. Scott & Prescott	D	LKO, MHB
420	<i>E. subspinosum</i> W.B. Turner	D, F, P	MHB
421	<i>Euastrum substellatum</i> Nordstedt	D	MHB
422	<i>E. urniforme</i> (West & G.S. West) Y. Okada (= <i>Xanthidium urniforme</i> (West & G.S. West) A.M. Scott & Croasdale)	F	SHP
423	<i>E. verrucosum</i> Ehrenberg ex Ralfs	F	PRG
424	<i>E. verrucosum</i> var. <i>alpinum</i> (Huber-Pestalozzi) Willi Krieger (= <i>Euastrum verrucosum</i> var. <i>vallesiacum</i> L. Viret)	D, F	PRG
425	<i>Eudorina elegans</i> Ehrenberg	D, F, J	LKO, SHR, VRN
426	<i>Fritschiella tuberosa</i> M.O.P. Iyengar	F	PRG

	Currently accepted name	Habitat	Localities
427	<i>Geminella interrupta</i> Turpin	F	PRG
428	<i>Glaucocystis cingulata</i> Bohlin	J	SHR
429	<i>G. nostochinearum</i> Itzigsohn	D	LKO, MHB
430	<i>G. reniformis</i> B.N. Prasad & P.K. Misra	D	MHB
431	<i>Gloeocystis major</i> Gerneck ex Lemmermann	K	MHB
432	<i>G. vesiculosa</i> Nägeli	D	GON
433	<i>Gloeotaenium loitlesbergereanum</i> Hansgirg	D	BAH, BBK, GON, MHB, SHR
434	<i>Gloeotilopsis planctonica</i> M.O.P. Iyengar & Philipose	F	SUL
435	<i>Gonatozygon aculeatum</i> W.N. Hastings	D, F	PRG
436	<i>Goniochloris mutica</i> (A. Braun) Fott (= <i>Tetraedron muticum</i> (A. Braun) Hansgirg)	K, D, F	KNP
437	<i>Gonium compactum</i> M.O.P. Iyengar	D, F	LKO
438	<i>G. pectorale</i> O.F. Müller	D, F	VRN
439	<i>Haematococcus droebakensis</i> var. <i>fastigiatus</i> Wollenweber	F, J	VRN
440	<i>Hariotina reticulata</i> P.A. Dangeard (= <i>Coelastrum reticulatum</i> (P.A. Dangeard) Senn)	D	MHB
441	<i>Hyalotheca burmensis</i> West & G.W. West	I	SHR
442	<i>H. dissiliens</i> Brébisson ex Ralfs	K, D	MHB
443	<i>Hydrodictyon reticulatum</i> (Linnaeus) Bory	A, D, J, P	PRG, JLN, KNP, LKO, LTP, MRT, SHR
444	<i>Iwanoffia terrestris</i> (Iwanoff) Pascher	F	LKO
445	<i>Kirchneriella diana</i> (Bohlin) Comas (= <i>Kirchneriella lunaris</i> var. <i>diana</i> Bohlin)	I, D, F	SHR
446	<i>K. lunaris</i> (Kirchner) Möbius	I, D, F	LKO, SHR, VRN
447	<i>K. obesa</i> (West) West & G.S. West (= <i>Selenastrum bibraianum obesum</i> West)	F, K, D, J	BAH, MHB, VRN
448	<i>Klebsormidium rivulare</i> (Kützing) M.O. Morison & Sheath (= <i>Hormidium rivulare</i> Kützing)	C, F, J	KNP
449	<i>K. subtile</i> (Kützing) Mikhailyuk, Glaser, Holzinger & Karsten	M	PRG
450	<i>Lacunastrum gracillimum</i> (West & G.S. West) H. McManus (= <i>Pediastrum duplex</i> var. <i>gracillimum</i> West & G.S. West)	F	PRG
451	<i>Lemmermannia triangularis</i> (Chodat) C. Bock & Krienitz (= <i>Crucigenia triangularis</i> (Chodat) Schmidle)	A, K, D, F	PRG
452	<i>Leptosiropsis torulosa</i> C.-C. Jao	F	DEO, GKP
453	<i>Lychaete pellucida</i> (Hudson) M.J. Wynne (= <i>Cladophora pellucida</i> (Hudson) Kützing)	A, D, F, H	BLR
454	<i>Messastrum gracile</i> (Reinsch) T.S. Garcia (= <i>Selenastrum bibraianum gracile</i> Reinsch; <i>Selenastrum bibraianum</i> var. <i>gracile</i> (Reinsch) Tiffany & Ahlstrom)	D, F, I, P	PRG, BBK, GON, JHS, KNP, SHR, LKO, MHB
455	<i>M. gracile</i> var. <i>westii</i> (G.M. Smith) L. Täuscher (= <i>Selenastrum bibraianum westii</i> G.M. Smith)	F	JHS
456	<i>Micractinium pusillum</i> Fresenius	F	PRG
457	<i>Micrasterias elegans</i> (W. West & G.S. West) Coesel & Van Geest	I, F	BST, KNP
458	<i>M. foliacea</i> Bailey ex Ralfs	D, E	BST, LKO, MHB
459	<i>M. mahabaleshwarensis</i> J. Hobson	A, D, F, J, I	BAH, LKO, MHB, SHR
460	<i>M. mahabaleshwarensis</i> var. <i>chauliodon</i> A.M. Scott & Prescott	D, F, J	BAH, LKO, MHB, SHR
461	<i>M. pinnatifida</i> Ralfs	D, F, J	PRG, BAH, LKO, SHR
462	<i>M. radians</i> var. <i>bogoriensis</i> (C. Bernard) Willi Krieger	A, F	BST, MHB
463	<i>M. radians</i> W.B. Turner	A, D, F	BST, LKO, MHB, SHR
464	<i>M. tropica</i> Nordstedt	F	MAU, DEO
465	<i>M. zeylanica</i> F.E. Fritsch	K, F	BAH
466	<i>Microglena braunii</i> (Goroschankin) Demchenko, Mikhailyuk & Proschold (= <i>Chlamydomonas braunii</i> Goroschankin [Gorozhankin])	A, F	BLI, STP
467	<i>M. monadina</i> Ehrenberg (= <i>Chlamydomonas monadina</i> (Ehrenberg) F. Stein)	F, K, J	SUL
468	<i>Microspora amoena</i> (Kützing) Rabenhorst	K, F	BAH, GON, KNP, SVT
469	<i>M. floccosa</i> (Vaucher) Thuret	C, F	KNP



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470	<i>M. tumidula</i> Hazen	F	PRG
471	<i>M. willeana</i> Lagerheim	F	PRG
472	<i>M. wittrockii</i> (Wille) Lagerheim	K, F	BAH, KNP
473	Microthamnion <i>curvatum</i> West & G.S. West	F	LKO
474	<i>M. kuetzingianum</i> Nägeli ex Kützing	F	PRG
475	<i>M. strictissimum</i> Rabenhorst	F	PRG
476	Monactinus <i>simplex</i> (Meyen) Corda (= <i>Pediastrum simplex</i> Meyen)	D, F, J	GZB, JHS, JLN
477	Monoraphidium <i>minutum</i> (Nägeli) Komárková-Legnerová (= <i>Selenastrum bibraianum minutum</i> (Nägeli) Collins)	D, F	MHB
478	Mougeotia <i>genuflexa</i> (Roth) C. Agardh	A, K, P	STP
479	<i>M. gotlandica</i> (Cleve) Wittrock	C, P	AYO
480	<i>M. indica</i> Randhawa	D	AYO
481	<i>M. quadrata</i> Randhawa	F	AYO
482	<i>M. recurva</i> (Hassall) De Toni	D, F	AYO, KSM, GKP, STP
483	<i>M. scalaris</i> Hassall	F	AYO
484	<i>M. sinensis</i> L.C. Li	D, F, P	LKO, SUL
485	<i>M. sphaerocarpa</i> Wolle	K, F	BBK, BRY, AYO, MRZ, SHP
486	<i>M. transeai</i> Collins	C	BLR, KNP
487	<i>M. varians</i> (Wittrock) Czurda	D, P	KNP, LKO
488	<i>M. floridana</i> Transeau	F	AYO
489	Mucidosphaerium <i>pulchellum</i> (H.C. Wood) C. Bock, Proschold & Krienitz (= <i>Dictyosphaerium pulchellum</i> H.C. Wood)	D, F	MHB
490	Neglectella <i>solitaria</i> (Wittrock) Stenclová & Kastovsky (= <i>Oocystis crassa</i> Wittrock; <i>Oocystis solitaria</i> Wittrock)	C, K, F, J	JHS, PRG, BRY, RBL
491	Nephrocytium <i>agardhianum</i> Nägeli	I, P	SHR
492	<i>N. lunatum</i> West	D	SHR
493	Netrium <i>digitus</i> (Brébisson ex Ralfs) Itzigsohn & Rothe	D, J	LKO
494	Nitella <i>acuminata</i> A. Braun	D, F, P	BRY, KNP
495	<i>N. agharkarii</i> Kundu	D, F, P	VRN
496	<i>N. axillaris</i> A. Braun	D, F	MRD
497	<i>N. confervacea</i> (Brébisson) A. Braun ex Leonhardi (= <i>Nitella gracilis</i> var. <i>confervacea</i> Brébisson)	D, F, P	SUL, VRN
498	<i>N. dualis</i> Nordstedt	D	BRY
499	<i>N. flagellifera</i> var. <i>patula</i> (J. Groves & G.O. Allen) Raam (= <i>Nitella patula</i> J. Groves & G.O. Allen)	D, F, O	MRD
500	<i>N. flagelliformis</i> A. Braun	D, F, P	VRN
501	<i>N. furcata</i> (C. Roxburgh ex Bruzelius) C. Agardh	D, F	BRY
502	<i>N. furcata</i> f. <i>polycarpa</i> (B.P. Pal) R.D. Wood (= <i>Nitella polycarpa</i> B.P. Pal)	D, F	MRD
503	<i>N. gracilis</i> (J.E. Smith) C. Agardh	D, F, O	SUL, VRN
504	<i>N. hyalina</i> (De Candolle) C. Agardh	D, F, P	PRG, BRY
505	<i>N. leptodactyla</i> J. Groves (= <i>Nitella pseudoflabellata</i> var. <i>leptodactyla</i> (J. Groves) R.D. Wood)	D, F, J	MRD
506	<i>N. microcarpa</i> A. Braun	D, F, P	SUL
507	<i>N. microcarpa</i> var. <i>sieberi</i> (A. Braun) Raam (= <i>Nitella furcata</i> var. <i>sieberi</i> (A. Braun) R.D. Wood)	F	BRY
508	<i>N. mirabilis</i> Nordstedt ex Groves	D, F, P	BRY
509	<i>N. mucronata</i> (A. Braun) F. Miquel	D, F	MRD
510	<i>N. oligospira</i> A. Braun	D, F, P	MRD
511	<i>N. opaca</i> (C. Agardh ex Bruzelius) C. Agardh	D, F, P	VRN
512	<i>N. pseudoflabellata</i> A. Braun	D, F, P	MRD

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513	<i>N. pulchella</i> T.F. Allen (= <i>Nitella dualis</i> var. <i>pulchella</i> (T.F. Allen) R.D. Wood)	D	BRY
514	<i>N. superba</i> B.P. Pal	D, F	SUL
515	<i>N. tenuissima</i> (Desvaux) Kützing	D, F	BRY
516	<i>N. translucens</i> (Persoon) C. Agardh	D, F, P	BRY
517	<i>Oedocladium prescottii</i> Islam	P	BRY
518	<i>Oedogonium acmandrium</i> Elifving ex Hirn	K, J	PRG, BBK, VRN
519	<i>O. acrosporium</i> De Bary ex Hirn	J	BLI
520	<i>O. acrosporium</i> var. <i>floridense</i> Wolle ex Hirn	J	BLI
521	<i>O. alterans</i> Wittrock & P. Lundell	I	BAH
522	<i>O. areolatum</i> (Singh) Mrozinska	J	GKP
523	<i>O. areolatum</i> var. <i>gorakhporensis</i> (R.H. Singh) Gonzalves (= <i>Oedogonium gorakhporensis</i> R.H. Singh)	B, D, K	GKP
524	<i>O. armigerum</i> Hirn	F	GKP
525	<i>O. bharuchae</i> N.D. Kamat	C, F	VRN
526	<i>O. borisianum</i> var. <i>crassa</i> R.H. Singh	A, K, I, F	BAH, GKP
527	<i>O. borisianum</i> Wittrock ex Hirn	K, J, I	BAH, GKP
528	<i>O. boscii</i> Wittrock ex Hirn	D	PRT
529	<i>O. calosporum</i> C.-C. Jao (= <i>Oedogonium asiaticum</i> Gonzalves; <i>Oedogonium asiaticum</i> var. <i>majus</i> Gonzalves)	C, F	GZB
530	<i>O. calvum</i> Wittrock	F	PRG
531	<i>O. capilliforme</i> Kützing ex Hirn	F	GKP, LKO
532	<i>O. cardiacum</i> Wittrock ex Hirn	D	LKO
533	<i>O. crassiusculum</i> var. <i>indica</i> Venkataraman	D	AYO
534	<i>O. crassiusculum</i> Wittrock ex Hirn	A	AYO
535	<i>O. crassum</i> f. <i>amplum</i> Hirn (= <i>Oedogonium amplum</i> Magnus & N. Wille)	K	GON
536	<i>O. crispum</i> var. <i>gracilescens</i> Wittrock ex Hirn	F	VRN
537	<i>O. crispum</i> Wittrock ex Hirn	F	VRN
538	<i>O. cryptosporum</i> Wittrock ex Hirn (= <i>Oedogonium vulgare</i> (Wittrock) L.H. Tiffany)	F	PRG
539	<i>O. curvum</i> Pringsheim ex Hirn	F	AYO
540	<i>O. cymatosporum</i> Wittrock & Norstedt	F	PRG
541	<i>O. elliposporum</i> R.N. Singh	F	GKP
542	<i>O. epiphyticum</i> Transeau & Tiffany	D	LKO
543	<i>O. franklinianum</i> Wittrock ex Hirn	F	GKP
544	<i>O. globosum</i> Nordstedt ex Hirn	F, J, M	MRT
545	<i>O. globosum</i> var. <i>nanyohense</i> C.-C. Jao	F, J, M	MRT
546	<i>O. gracillimum</i> Wittrock & P. Lundell ex Hirn	D, F, J	RBL
547	<i>O. grande</i> Kützing ex Hirn	D	PRT
548	<i>O. hians</i> Nordstedt & Hirn	F	VRN
549	<i>O. hindustanense</i> Kamat	F	PRG
550	<i>O. hirnii</i> Gutwinski ex Hirn	J	VRN
551	<i>O. howardii</i> var. <i>formosum</i> (Kamat) Mrozinska (= <i>Oedogonium howardii</i> G.S. West)	F	GKP
552	<i>O. idioandrosporium</i> Nordstedt & Wittrock ex Hirn	K	SUL
553	<i>O. idioandrosporium</i> var. <i>minus</i> Tiffany	K	BBK
554	<i>O. inerme</i> Hirn	K, F, J	BAH
555	<i>O. intermedium</i> Wittrock ex Hirn	F	BST, GKP, MRZ, VRN
556	<i>O. irregulare</i> var. <i>condensatum</i> (Hallas) Hirn	F	AYO



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557	<i>O. irregulare</i> var. <i>tenuis</i> Venkataraman	F	VRN
558	<i>O. irregulare</i> Wittrock ex Hirn	F	AYO
559	<i>O. kirtikari</i> N.D. Kamat	F	VRN
560	<i>O. kushmiense</i> R.N. Singh	F	GKP
561	<i>O. landsboroughii</i> var. <i>norvegicum</i> Wittrock ex Hirn	D, F	DEO, MAU
562	<i>O. landsboroughii</i> Wittrock ex Hirn	D, F	DEO, MAU
563	<i>O. lautumiarum</i> Wittrock ex Hirn	F	VRN
564	<i>O. longatum</i> Kützing ex Hirn	F	VRN
565	<i>O. mexicanum</i> Wittrock ex Hirn	D	PRT
566	<i>O. minus</i> Wittrock ex Hirn	D	AYO
567	<i>O. mirandrium</i> Skuja	F, D	GKP
568	<i>O. mitratum</i> Hirn	F	GKP
569	<i>O. mitratum</i> var. <i>minus</i> R.N. Singh	K, I	GKP
570	<i>O. nanum</i> Wittrock ex Hirn	F	PRG, BRY, SHP, VRN
571	<i>O. oblongum</i> Wittrock ex Hirn	D, F, J	PRG, HMR, LKO, SHR, VRN
572	<i>O. oboviforme</i> Wittrock ex Hirn	A	BBK
573	<i>O. obtruncatum</i> var. <i>completum</i> Hirn (= <i>Oedogonium completum</i> (Hirn) Tiffany)	K, D, F	GON
574	<i>O. obtruncatum</i> Wittrock ex Hirn	K, I, F, J	GON
575	<i>O. oviforme</i> var. <i>minus</i> (Pandey) Mrozinska (= <i>Oedogonium patulum</i> var. <i>minus</i> Pandey)	J	BLI
576	<i>O. patulum</i> Tiffany	J	BLI
577	<i>O. peipingense</i> C.-C. Jao	J	BAH
578	<i>O. praelongum</i> Hallas	D	PRT
579	<i>O. pringsheimii</i> C.E. Cramer ex Hirn	C	BBK
580	<i>O. pringsheimii</i> var. <i>nordstedtii</i> Wittrock ex Hirn	C	BBK
581	<i>O. pseudoureum</i> C.-C. Jao	J	BRY, SHP
582	<i>O. punctatostriatum</i> De Bary ex Hirn	F	SHR
583	<i>O. punctatum</i> Wittrock ex Hirn	C	BBK
584	<i>O. pusillum</i> Kirchner	F	PRG
585	<i>O. rufescens</i> f. <i>exiguum</i> Hirn (= <i>Oedogonium rufescens</i> var. <i>exiguum</i> (Hirn) Tiffany)	F	VRN
586	<i>O. rufescens</i> Wittrock ex Hirn	D, F	LKO, VRN
587	<i>O. silvaticum</i> Hall	F	GKP
588	<i>O. silvaticum</i> var. <i>idioandrosporum</i> R.N. Singh	F	GKP
589	<i>O. sociale</i> var. <i>kanwaense</i> R.N. Singh	F	VRN
590	<i>O. sociale</i> Wittrock ex Hirn	F	VRN
591	<i>O. terrestre</i> Randhawa	M	AYO
592	<i>O. tungarensis</i> Gonzalves & S.C. Jain	F	PRG
593	<i>O. varians</i> Wittrock & Lundell ex Hirn	A, F, J, M	PRG, BAH
594	<i>O. vaucheri</i> A. Braun ex Hirn (= <i>Oedogonium vaucheri</i> var. <i>parvum</i> Gonzalves & Sonnad)	K, D	GON
595	<i>O. inconspicuum</i> Hirn	F	BLI
596	<i>O. plurisporum</i> Arnoldi & Y.V. Roll	H	BAH
597	<i>Oocystaenium elegans</i> Gonzales & Mehra	P	PRG
598	<i>Oocystis bispora</i> Komárek	I, F	SHR
599	<i>O. borgei</i> J.W. Snow	D, F	PRG, BAH, KNP, LKO, MHB
600	<i>O. elegans</i> Gonzalves & K.R. Mehra	F	VRN
601	<i>O. elliptica</i> W. West	A, F, J	PRG, LKO, MHB

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602	<i>O. irregularis</i> (Petkoff) Printz	A, K, F, P	PRG, SHR
603	<i>O. naegelii</i> A. Braun	K, I, F	KNP, MRT, SHR
604	<i>O. pusilla</i> Hansgirg	A	HMR
605	Oogamochlamys gigantea (O. Dill) Proschold, B. Marin, U.W. Schlosser & Melkonian (=Chlamydomonas capensis Pocock)	C	PRG
606	Oonephris obesa (West & G.S. West) Fott (=Nephrocytium obesum West & G.S. West)	F, P, D, J	PRG, KNP
607	Palmella miniata Leiblein	K, F, J	LKO
608	<i>P. mucosa</i> Kützing	P	BAH
609	Pandorina cylindricum M.O.P. Iyengar	D	GON
610	<i>P. morum</i> (O.F. Müller) Bory	K, D, J	KNP, LKO, LTP, MHB, SHR STP, VRN
611	Papenfussiomonas cordata (Pascher & Jahoda) Desikachary	C	VRN, MRZ
612	Parapediastrum biradiatum (Meyen) E. Hegewald (=Pediastrum biradiatum Meyen)	C, F	MHB
613	Pediastrum angulosum Ehrenberg ex Meneghini (=Pediastrum araneosum (Raciborski) G.M. Smith)	K, D, F, J, P	GKP, MHB, SHR
614	<i>P. angulosum</i> var. <i>laevigatum</i> Raciborski	D, J	MRT, SHR
615	<i>P. cornutum</i> (Raciborski) Troitskaya	D, F	GKP
616	<i>P. duplex</i> Meyen (=Pediastrum duplex var. <i>genuinum</i> (A. Braun) Hansgirg; <i>Pediastrum duplex</i> var. <i>reticulatum</i> Lagerheim)	A, C, K, I, D, F, J	GZB, LKO, PRG, AYO, KNP MRT, LTP, SHR
617	<i>P. duplex</i> var. <i>regulosum</i> Raciborski	A, C, K, I, D, F, J	JHS
618	<i>P. simplex</i> Meyen (=Pediastrum simplex var. <i>duodenarium</i> (Bailey) Rabenhorst)	A, J	LKO
619	<i>P. subgranulatum</i> (Raciborski) J. Komárek & V. Jankovsk (=Pediastrum duplex var. <i>subgranulatum</i> Raciborski)	A, C, K, I, D, F, J	BAH, MHB
620	Penium cucurbitinum var. <i>subpolymorphum</i> Nordstedt (=Cosmarium cucurbitinum var. <i>subpolymorphum</i> (Nordstedt) Lütkemüller)	F, J	BST, SHR
621	<i>P. margaritaceum</i> Brébisson	D	PRG
622	Phacotus lenticularis (Ehrenberg) Diesing	F	STP
623	<i>P. lenticularis</i> var. <i>undulata</i> R. Shyam & Y.S.R.K. Sarma	F	VRN
624	Pithophora roettleri (Roth) Wittrock (=Pithophora cleveana Wittrock; Pithophora mooreana Collins; Pithophora oedogonia (Montagne) Wittrock; Pithophora polymorpha Wittrock; Pithophora sumatrana (Wittrock) Mont; Pithophora varia Wille)	A, C, D, F, H, K, J, P	AYO, BAH, BLR, KNP, LKO, PRG, SUL, STP, VRN
625	Pleodorina indica (Iyengar) H. Nozaki (=Eudorina indica M.O.P. Iyengar)	D, F	GON
626	Pleurastrum terricola (Bristol) D.M. John (=Gongrosira terricola Bristol; Pleurastrum terrestre F.E. Fritsch & R.P. John)	M	LKO, PRG
627	Pleurotaenium baculoides (J. Roy & Bisset) Playfair	D, F	PRG
628	<i>P. caldense</i> var. <i>cristatum</i> (W.B. Turner) Willi Krieger (=Pleurotaenium cristatum (W.B. Turner) O. Borge)	D, F	LKO
629	<i>P. coronatum</i> (Brébisson) Robenhorst	F	PRG
630	<i>P. coronatum</i> var. <i>fluctuatum</i> West	D, F	PRG, VRN
631	<i>P. cylindricum</i> (W.B. Turner) Schmidle	D, F	BBK, BRY
632	<i>P. ehrenbergii</i> (Ralfs) De Bary	D, F	PRG, BBK, GON, JHS, SHR
633	<i>P. ehrenbergii</i> var. <i>undulatum</i> Schaarschmidt	D, F	PRG, BBK, GON, JHS, SHR
634	<i>P. elatum</i> O. Borge	F	PRG
635	<i>P. eugeneum</i> (W.B. Turner) West & G.S. West	K, D	BRY, GON
636	<i>P. indicum</i> (Grunow) P. Lundell	F	BRY
637	<i>P. nodulosum</i> (Brébisson ex Ralfs) Rabenhorst (=Pleurotaenium coronatum var. <i>nodulosum</i> (Brébisson ex Ralfs) West)	D	PRG
638	<i>P. subcoronulatum</i> (W.B. Turner) West & G.S. West	K, D	LKO
639	<i>P. trabecula</i> Nägeli	K, D, F	PRG, BAH, BST, JHS, PLB
640	<i>P. varanasiense</i> Lakshminarasimhan	F	VRN
641	<i>P. cylindricum</i> var. <i>stuhlmannii</i> (Hieronymus) Willi Krieger	D, F	BBK
642	Protosiphon botryoides (Kützing) Klebs	F	SUL



	Currently accepted name	Habitat	Localities
643	<i>Pseudagloë polychloris</i> (Pascher) K.I. Meyer (= <i>Carteria polychloris</i> Pascher)	E, J	PRG
644	<i>Pseudopediastrum boryanum</i> (Turpin) E. Hegewald (= <i>Pediastrum boryanum</i> (Turpin) Meneghini)	K, D, J	PRG, GZB, KNP, LKO, STP
645	<i>P. boryanum</i> var. <i>longicorne</i> (Reinsch) Tsarenko (= <i>Pediastrum boryanum</i> var. <i>longicorne</i> Reinsch)	K, D, J	GZB
646	<i>Pseudorhizoclonium africanum</i> (Kützing) Boedeker (= <i>Rhizoclonium hookeri</i> Kützing)	A, C, D, F, J	PRG
647	<i>Pseudostaurastrum limneticum</i> (Borge) Couté & Rousselin (= <i>Tetraëdron limneticum</i> O. Borge)	J	PRG, VRN
648	<i>Pseudulvella americana</i> (J.W. Snow) Wille	F	DEO, GKP, LKO, MHB
649	<i>P. americana</i> var. <i>indica</i> Philipose	F	DEO, GKP
650	<i>Pyrobotrys acuminata</i> Y.S.R.K. Sarma & R. Shyam	F	VRN
651	<i>P. casinoensis</i> (Playfair) P.C. Silva (= <i>Pyrobotrys gracilis</i> (Korshikov) Korshikov)	F, L	KNP, VRN
652	<i>P. casinoensis</i> var. <i>intermedius</i> Y.S.R.K. Sarma & R. Shyam	C, F	VRN
653	<i>P. desikacharyi</i> Y.S.R.K. Sarma & R. Shyam	C, F	VRN
654	<i>P. korschikoffi</i> (L.A. Schkorbatov) Korshikov	K, H	VRN
655	<i>P. stellatus</i> (Korshikov) Korshikov	F	VRN
656	<i>Radiofilum flavescens</i> G.S. West	A, F	SUL
657	<i>Raphidocelis danubiana</i> (Hindák) Marvan, Komárek & Comas (= <i>Kirchneriella contorta</i> (Schmidle) Bohlin)	K, D	MHB
658	<i>Rhizoclonium crassipellitum</i> West & G.S. West	D, F	BST, BLR, SKN
659	<i>R. hieroglyphicum</i> (C. Agardh) Kützing	A, C, D, F, J	BRY, BDN, BLR, FRK, KNP, LKO, MRD, RMP, SHP, STP, SUL, VRN
660	<i>R. pachydermum</i> Kjeilmann	A, D, F, H	BLR
661	<i>R. profundum</i> Brand	F	PRG
662	<i>R. tortuosum</i> Dillwy	A, D, F, H	BLR
663	<i>Scenedesmus abundans</i> var. <i>longicauda</i> G.M. Smith	J	KNP
664	<i>S. apiculatus</i> (West & G.S. West) Chodat	K, P	LTP
665	<i>S. apiculatus</i> var. <i>indicus</i> (Hortobagyi) Hortobagyi	K, P	HMR
666	<i>S. arcuatus</i> (Lemmermann) Lemmermann	D, F, J	PRG, BAH, KNP, LTP, MHB
667	<i>S. arcuatus</i> var. <i>allahabadensis</i> Chadha & D.C. Pandey	D, F, J	PRG
668	<i>S. brevispina</i> (G.M. Smith) Chodat	D, F, J	SHR
669	<i>S. denticulatus</i> var. <i>australis</i> Playfair	D, F, J	SHR
670	<i>S. ellipticus</i> Corda (= <i>Scenedesmus linearis</i> Komárek)	D	SHR
671	<i>S. irregularis</i> Roll	K, I, F, J	BST, GKP, SKN
672	<i>S. lefevrei</i> var. <i>manguinii</i> Lefevre & Bourrelly	I	JHS
673	<i>S. magnus</i> Meyen (= <i>Scenedesmus longus</i> Meyen)	P, J	PRG, KNP
674	<i>S. maximus</i> (West & G.S. West) Chodat (= <i>Scenedesmus quadricauda</i> var. <i>westii</i> G.M. Smith)	F	PRG, JHS, STP
675	<i>S. monomorphus</i> Chadha & D.C. Pandey	F	PRG
676	<i>S. naegelii</i> Brébisson (= <i>Scenedesmus longus</i> var. <i>naegelii</i> (Brébisson) G.M. Smith)	P, J	PRG, KNP
677	<i>S. obtusus</i> Meyen (= <i>Scenedesmus bijugatus</i> var. <i>alternans</i> (Reinsch) Hansgirg; <i>Scenedesmus ovalternus</i> Brébisson)	B, I, D, F, J	LKO, LTP, SHR
678	<i>S. philiposei</i> Chadha & D.C. Pandey	A, B, C, K, I, D	PRG, LKO
679	<i>S. platydiscus</i> (G.M. Smith) Chodat	F, J	SHR
680	<i>S. prismaticus</i> Brühl & Biswas	D, P	PRG, BST
681	<i>S. quadricauda</i> (Turpin) Brébisson	F, J	PRG, HMR, JLN, KNP, LKO, MHB, SHR
682	<i>S. quadricauda</i> var. <i>bicaudatus</i> Hansgirg	F	PRG
683	<i>S. quadricauda</i> var. <i>eualternans</i> C.N. Proshkina-Lavrenko	F	PRG
684	<i>S. raciborskii</i> Woloszyńska (= <i>Scenedesmus arcuatus</i> var. <i>capitatus</i> G.M. Smith; <i>Scenedesmus incrassatulus</i> var. <i>mononae</i> G.M. Smith)	D, F, J	KNP, LKO, LTP

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685	<i>S. semicristatus</i> Uherkovich	P	LTP
686	<i>S. smithii</i> Chodat	J	LKO
687	<i>Schizomeris irregularis</i> Fritsch and Rich	F	PRG
688	<i>S. leibleinii</i> Kützing	B, C, F	BAH, BLR, AYO, JHS, LKO
689	<i>Schroederia indica</i> Philipose	N	MHB
690	<i>Scotinosphaera paradoxa</i> Klebs (= <i>Kentrosphaera bristoliae</i> G.M. Smith)	F	PRG
691	<i>Selenastrum bibraianum</i> Reinsch (= <i>Ankistrodesmus bibraianus</i> (Reinsch) Korshikov)	D, I, F	MHB SHR
692	<i>Sirocladium kumaoense</i> Randhawa	D, F	SUL
693	<i>Sirogonium ceylanicum</i> Wittrock	F	SHR
694	<i>S. indicum</i> Singh	F	GKP
695	<i>S. melanoporum</i> (Randhawa) Transeau	F	AYO
696	<i>S. reticulatum</i> Randhawa	F	SHR SUL
697	<i>S. sticticum</i> (Smith) Kützing	D, F	SHR SUL
698	<i>S. stictium</i> (Smith) Kützing	F	PRG SUL VRN
699	<i>S. vandalorese</i> M.O.P. Iyengar	F, P	SHR SUL
700	<i>S. ventersicum</i> Transeau	D, F	GKP SHR
701	<i>Sorastrum spinulosum</i> Nägeli	F, P	PRG, BAH, SHR, VRN
702	<i>Sphaerellocystis ampla</i> (Kützing) Nováková (= <i>Gloeocystis ampla</i> (Kützing) Rabenhorst)	F, J	SHR
703	<i>Sphaerocystis schroeteri</i> Chodat	B, D, F	KNP, SHR
704	<i>Sphaeroplea annulina</i> (Roth) C. Agardh	B, A, D, F	GZB, KNP, MRT, SHR
705	<i>Sphaerosozma laeve</i> (Nordstedt) Thomasson (= <i>Onychonema laeve</i> Nordstedt)	I, F	SHR
706	<i>S. laeve</i> var. <i>micracantha</i> (Nordstedt) Thomasson (= <i>Onychonema laeve</i> var. <i>micracanthum</i> Grönblad)	I, F	GON
707	<i>S. nitens</i> (Wallich) De Toni (= <i>Spondylosium nitens</i> (G.C. Wallich) Lundell)	C, K, D	PRG, BAH
708	<i>S. wallichii</i> var. <i>borgei</i> Grönblad	F	PRG
709	<i>Spirogyra acanthophora</i> (Skuja) Czurda	F	SHR
710	<i>S. affinis</i> (Hassall) Petit	F	SHR
711	<i>S. africana</i> (F.E. Fritsch) Czurda	J	BRY, BDN, FRK, MRD, RMP, SHP
712	<i>S. anomala</i> Bhashyakarla Rao	F	PRG, AYO, KNP, MHB, KSM, SHR, VRN
713	<i>S. azygospora</i> R.N. Singh	F	GKP, SHR
714	<i>S. baileyi</i> Schmidle	F	SHR
715	<i>S. bichromatophora</i> (Randhawa) Transeau	C, F, J	BAH, AYO
716	<i>S. bififormis</i> C.-C. Jao	F	BAH, AYO, GKP, LKO
717	<i>S. borgeana</i> Transeau	F	SHR
718	<i>S. brunnea</i> Czurda	F	SHR
719	<i>S. bullata</i> C.-C. Jao	F	SHR
720	<i>S. cataeniformi</i> (Hassall) Kützing	F, J	SHR
721	<i>S. chakiaensis</i> (Bhashyakarla Rao) Wille Krieger	F	SHR, VRN
722	<i>S. chakiaensis</i> var. <i>lucknowensis</i> B.N. Prasad & S. Dutta	F	SHR
723	<i>S. circumlineata</i> Transeau	F, J	HMR, LKO
724	<i>S. communis</i> (Hassall) Kützing	J	BLR, GKP, JLN, SHR, SUL
725	<i>S. condensata</i> (Vaucher) Dumortier	C, F, J	BLR, JLN, SHR
726	<i>S. crassa</i> (Kützing) Kützing	F	LKO, STP
727	<i>S. crenulata</i> R.N. Singh	F	GKP
728	<i>S. cylindrica</i> Czurda	D, F	SUL



	Currently accepted name	Habitat	Localities
729	<i>S. daedalea</i> f. <i>oudhensis</i> (Randhawa) V. Poljansky (= <i>Spirogyra oudhensis</i> Randhawa)	F	AYO, SHR
730	<i>S. daedalea</i> Lagerheim	F	AYO
731	<i>S. decimina</i> (O.F. Müller) Dumortier	D	GKP, LKO
732	<i>S. decimina</i> var. <i>juergensii</i> (Kützing) Petlovany (= <i>Spirogyra juergensii</i> Kützing)	F	GKP, SHR
733	<i>S. diluta</i> H.C. Wood	C	BLR
734	<i>S. dubia</i> Kützing	F	BRY, MRT, SHP, VRN
735	<i>S. ellipsozona</i> Transeau	D	GKP
736	<i>S. elliptica</i> C.-C. Jao	B, D	MRT, SUL
737	<i>S. emilianensis</i> Bonhomme	F, J	SUL
738	<i>S. flavescens</i> (Hassall) Kützing	F	SHR, VRN
739	<i>S. fluviatilis</i> Hilse	J, O	SHR, VRN
740	<i>S. foveolata</i> (Transeau) Czurda	D, F	AYO
741	<i>S. gangaensis</i> Lakshminarasimhan	D	VRN
742	<i>S. ghosei</i> R.N. Singh	B	GKP
743	<i>S. gibberosa</i> C.-C. Jao	F	SHR
744	<i>S. gracilis</i> Kützing	F	SHR
745	<i>S. hassallii</i> (Jenn) Petit	F	SHR
746	<i>S. hatillensis</i> Transeau	K, F	LKO, KNP
747	<i>S. hyalina</i> Cleve	F	LKO
748	<i>S. hymerae</i> Britton & B.H. Smith	F	AYO, LKO, MRT
749	<i>S. irregularis</i> Nägeli ex Kützing	F	SHR
750	<i>S. jaoensis</i> Randhawa	F, J	AYO
751	<i>S. lagerheimii</i> Wittrock	J	SHR
752	<i>S. lambertiana</i> Transeau	J	AYO
753	<i>S. macrospora</i> (C.B. Rao) Krieger	F	SHR
754	<i>S. manoramae</i> Randhawa	F	BRY, BST
755	<i>S. margaritata</i> Wollny	F	GKP, VRN
756	<i>S. neglecta</i> (Hassall) Kützing	F	BLR, KNP, VRN
757	<i>S. neglecta</i> var. <i>fuellerbornei</i> (Schmidle) Petlovany (= <i>Spirogyra fuellerbornei</i> Schmidle)	D	VRN
758	<i>S. nitida</i> (O.F. Müller) Leiblein	F, P	KNP, VRN
759	<i>S. paradoxa</i> Rao	G, P	VRN
760	<i>S. parvula</i> (Transeau) Czurda (= <i>Spirogyra cateniformis</i> var. <i>parvula</i> Transeau)	F, J, K	BAH, SHR
761	<i>S. perforans</i> Transeau	J	SHR
762	<i>S. plena</i> (West & G.S. West) Czurda	D, F	GKP
763	<i>S. pratensis</i> Transeau	P	VRN
764	<i>S. punctulata</i> C.-C. Jao	F	SHR
765	<i>S. randhawae</i> Krieger	F	BLR, GON
766	<i>S. reticuliana</i> Randhawa	J	AYO
767	<i>S. rhizobrachiialis</i> C.-C. Jao	B, D, F	SHR
768	<i>S. rivularis</i> (Hassall) Rabenhorst	F, J	MRT, SHR
769	<i>S. setiformis</i> Kützing	B, J	SHR
770	<i>S. singularis</i> Nordstedt (= <i>Spirogyra silvicola</i> M.E. Britton)	A, F	PRG, SHR, SUL, VRN
771	<i>S. skujae</i> Randhawa	F	AYO
772	<i>S. submaxima</i> Transeau	F	PRG, BRY
773	<i>S. subsalina</i> Cedercreutz	F	SHR

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774	<i>S. subsalsa</i> Kützing	F	SHR
775	<i>S. szechwanensis</i> C.-C. Jao	F	GKP, RLB, SUL
776	<i>S. tandae</i> Randhawa	F	AYO
777	<i>S. unduliseptum</i> Randhawa	F	AYO
778	<i>S. varians</i> (Hassall) Kützing	F	SHR, VRN
779	<i>S. velata</i> Nordstedt	J	SHR
780	<i>S. rhizoides</i> Randhawa	F	AYO
781	<i>Spirotaenia condensata</i> Brébisson	C, F, J	KNP
782	<i>Spondylosium planum</i> (Wolle) West & G.S. West	I, D	MHB
783	<i>S. pygmaeum</i> Cooke	I	SHR
784	<i>Staurastrum alternans</i> Brébisson ex Ralfs	D, F	PRG
785	<i>S. anatinoides</i> A.M. Scott & Prescott	K, I, F	SHR
786	<i>S. bieneanum</i> Rabenhorst	F, J	LKO
787	<i>S. columbetooides</i> West & G.S. West	D, F	BRY
788	<i>S. dilatatum</i> Ehrenberg ex Ralfs	D, F	PRG
789	<i>S. gracile</i> Ralfs ex Ralfs	D, F, J	PRG, HMR
790	<i>S. gracile</i> var. <i>coronulatum</i> Boldt	F	PRG, BST, VRN
791	<i>S. hexacerum</i> Wittrock	D, F	PRG
792	<i>S. lapponicum</i> var. <i>ellipticum</i> (Wille) Grönblad (= <i>Staurastrum bieneanum</i> var. <i>ellipticum</i> Wille)	F, J	BAH, LKO, SHR
793	<i>S. oxyacanthum</i> W. Archer	I, D	SHR
794	<i>S. pachyrhynchum</i> Nordstedt	D	BBK, VRN
795	<i>S. paradoxum</i> var. <i>parvum</i> (West) N. Carter	F	BRY
796	<i>S. perundulatum</i> Grönblad	C, J	LKO
797	<i>S. pinnatum</i> var. <i>subpinnatum</i> (Schmidle) West & G.S. West	I, F	PLB
798	<i>S. pinnatum</i> W.B. Turner	I, F	PLB
799	<i>S. pseudotetracerum</i> (Nordstedt) West & G.S. West	I, D	SHR
800	<i>S. sebaldi</i> Reinsch	D, F	PRG
801	<i>S. sebaldi</i> var. <i>ventriverrucosum</i> A.M. Scott & Prescott	F	PRG
802	<i>S. setigerum</i> Cleve	D, F	PRG
803	<i>S. sexangulare</i> (Bulnheim) Rabenhorst	K	GON
804	<i>S. sexangulare</i> var. <i>productum</i> Nordstedt	K	GON
805	<i>S. tetracerum</i> Ralfs ex Ralfs	D, F	PRG
806	<i>S. wildemanii</i> Gutwinski	F	PRG
807	<i>S. wildemanii</i> var. <i>horizontale</i> A.M. Scott & Prescott	D, F	PRG
808	<i>S. zonatum</i> Børgesen	D	BST
809	<i>S. zonatum</i> var. <i>majus</i> A.M. Scott & Prescott	C, D	BST
810	<i>S. cyclacanthum</i> West & G.S. West	D, F	PRG
811	<i>Stauridium tetras</i> (Ehrenberg) E. Hegewald (= <i>Pediastrum tetras</i> (Ehrenberg) Ralfs)	A, K, F, J	PRG, JLN, KNP, LKO, LTP, MRT
812	<i>S. tetras</i> var. <i>tetraodon</i> (Corda) J.D. Hall & Karol (= <i>Pediastrum tetraodon</i> (Corda) A. Braun; <i>Pediastrum tetras</i> var. <i>excisum</i> (A. Braun) Hansgirg; <i>Pediastrum tetras</i> var. <i>tetraodon</i> (Corda) Hansgirg)	F, J	BBK, BST, GZB, KNP, LKO, LTP
813	<i>Staurodesmus arcuatus</i> (Joshua) Teiling (= <i>Arthrodesmus arcuatus</i> Joshua)	F, D	LKO
814	<i>S. convergens</i> (Ehrenberg ex Ralfs) S. Lillieroth (= <i>Arthrodesmus convergens</i> Ehrenberg ex Ralfs)	F, D	LKO
815	<i>S. curvatus</i> (W.B. Turner) Coesel & Van Geest (= <i>Arthrodesmus curvatus</i> W.B. Turner)	F, K	LKO
816	<i>S. pachyrhynchus</i> var. <i>pseudopachyrhynchus</i> (Wolle) Teiling (= <i>Staurastrum pseudopachyrhynchum</i> Wolle)	F	PLB



	Currently accepted name	Habitat	Localities
817	<i>Stigeoclonium aestivale</i> (Hazen) Collins	F	GKP
818	<i>S. amoenum</i> Kützing	F, J	DEO, GKP, SUL
819	<i>S. attenuatum</i> (Hazen) Collins	F	LKO
820	<i>S. elongatum</i> (Hassal) Kützing	F	LKO
821	<i>S. farctum</i> Berthold	D	PRG, BAH, AYO, JHS
822	<i>S. fasciculare</i> Kützing	D, F	DEO, GKP
823	<i>S. fasciculare</i> var. <i>glomeratum</i> (Hazen) A.K.M. Islam (= <i>Stigeoclonium glomeratum</i> (Hazen) Collins)	F, P	KNJ, KNP, LKO
824	<i>S. flagelliferum</i> Kützing	F	LKO
825	<i>S. lubricum</i> (Dillwyn) Kützing	C	BRY, MNB, SHP
826	<i>S. nanum</i> (Dillwyn) Kützing	J	LKO
827	<i>S. nudiusculum</i> (Kützing) Rabenhorst	F	LKO
828	<i>S. polymorphum</i> (Franke) Heering	K, D	GKP, HMR, STP
829	<i>S. stagnatile</i> (Hazen) Collins	I, J	BAH
830	<i>S. subsecundum</i> (Kützing) Kützing	F	PRG
831	<i>S. tenue</i> (C. Agardh) Kützing	F	PRG, BAH, BLR, DEO, GKP, JHS, MRT
832	<i>Teilingia granulata</i> (J. Roy & Bisset) Bourrelly (= <i>Sphaerosozma granulatum</i> J. Roy & Bisset)	A, B, D, F	PRG, STP
833	<i>T. wallichii</i> (J.P. Jacobsen) Bourrelly (= <i>Sphaerosozma wallichii</i> J.P. Jacobsen)	D, F	PRG
834	<i>Temnogametum heterosporum</i> West & G.S. West	F	SUL
835	<i>Tetrabaena socialis</i> (Dujardin) H. Nozaki & M. Itoh (= <i>Gonium sociale</i> (Dujardin) Warming)	D	STP
836	<i>Tetrademus bernardii</i> (G.M. Smith) M.J. Wynne (= <i>Scenedesmus bernardii</i> G.M. Smith)	J	HMR, LKO
837	<i>T. dimorphus</i> (Turpin) M.J. Wynne (= <i>Scenedesmus dimorphus</i> (Turpin) Kützing)	D, J	PRG, BAH, JHS, KNP, LKO, MHB, MRT
838	<i>T. incrassatulus</i> (Bohlin) M.J. Wynne (= <i>Scenedesmus incrassatulus</i> Bohlin)	D, F, J	BST
839	<i>T. lagerheimii</i> M.J. Wynne & Guiry (= <i>Scenedesmus acuminatus</i> (Lagerheim) Chodat)	J	KNP
840	<i>T. obliquus</i> (Turpin) M.J. Wynne (= <i>Scenedesmus bijugatus</i> Kützing; <i>Scenedesmus obliquus</i> (Turpin) Kützing)	B, I, D, F, J	BAH, GZB, PRG, KNP, LKO, MHB, MRT, VRN
841	<i>Tetraedron bifurcatum</i> (Wille) Lagerheim	F	BBK
842	<i>T. caudatum</i> (Corda) Hansgirg	C, F	BBK
843	<i>T. gracile</i> (Reinsch) Hansgirg	F	BBK
844	<i>T. lunula</i> (Reinsch) Hansgirg (= <i>Closteridium lunula</i> Reinsch)	A	KSM
845	<i>T. trigonum</i> (Nägeli) Hansgirg	F	PRG, BBK
846	<i>T. tumidulum</i> (Reinsch) Hansgirg	J	BBK
847	<i>Tetralantos lagerheimii</i> Teiling	D, P	KNP, MHB, STP
848	<i>Tetraselmis cordiformis</i> (H.J. Carter) F. Stein (= <i>Carteria cordiformis</i> (H.J. Carter) Diesing)	C, F, J	KNP
849	<i>Tetraspora lubrica</i> (Roth) C. Agardh	D	MHB
850	<i>T. apiocystioides</i> Chowdary, Suryanarayan & Y.S.R.K. Sarma	F	KNP
851	<i>T. gelatinosa</i> (Vaucher) Desvaux	F, P	KNP, STP
852	<i>Tolypella glomerata</i> (Desvaux) Leonhardi (= <i>Tolypella nidifica</i> var. <i>glomerata</i> (Desvaux) R.D. Wood)	D, F	BRY, LKO
853	<i>T. nidifica</i> (O.F. Müller) Leonhardi	F	BRY
854	<i>Transeauina costata</i> (Rahdhawa) Guiry (= <i>Debarya costata</i> Randhawa)	A, F, D	AYO, KNP, MHB, SUL
855	<i>Trebouxia arboricola</i> Puymaly (= <i>Trebouxia humicola</i> G.S. West & F.E. Fritsch)	J	LKO
856	<i>Trentepohlia aurea</i> (Linnaeus) C. Martius	F	LKO
857	<i>T. umbrina</i> (Kützing) Bornet	F	LKO
858	<i>Ulothrix aequalis</i> Kützing	F	BRY, SHP

	Currently accepted name	Habitat	Localities
859	<i>U. albicans</i> Kützing (= <i>Ulothrix moniliformis</i> (Kützing) Kützing)	F, P	KNP
860	<i>U. bipyrenoidosa</i> F.E. Fritsch & M.F. Rich	K, I	BAH
861	<i>U. fimbriata</i> Bold	K	BAH
862	<i>U. gigas</i> (Vischer) K.R. Mattox & Bold (= <i>Uronema gigas</i> Vischer)	F	PRG, BST, GON, GKP, AYO, LKO, MHB, SUL
863	<i>U. oscillarina</i> Kützing	F	BAH
864	<i>U. tenerrima</i> (Kützing) Kützing (= <i>Ulothrix variabilis</i> (Kützing) Kützing)	F, J	AGR, BDN, BRY, FRK, MRD, RMP, SHP, VRN
865	<i>U. tenuissima</i> Kützing	C, F	GON
866	<i>U. zonata</i> (F. Weber & Mohr) Kützing	F, P	BAH, GON, KNP, STP
867	<i>Ulva flexuosa</i> Wulfen (= <i>Enteromorpha tubulosa</i> (Kützing) Kützing)	F	PRG
868	<i>U. prolifera</i> O.F. Müller (= <i>Enteromorpha prolifera</i> (O.F. Müller) J. Agardh)	J	PRG
869	<i>Uronema confervicola</i> Lagerheim	D, F	LKO, MHB, KNP
870	<i>Vaucheria amphibia</i> Randhawa	E	VRN
871	<i>V. aversa</i> Hassall	A	VRN
872	<i>V. borealis</i> Hirn	F	VRN
873	<i>V. bursata</i> (O.F. Müller) C. Agardh (= <i>Vaucheria sessilis</i> (Vaucher) De Candolle)	M	VRN
874	<i>V. bursata</i> var. <i>major</i> (B.H. Smith) Q.X. Wang & W.-M. Bao (= <i>Vaucheria sessilis</i> var. <i>major</i> (B.H. Smith) Ventkataraman)	M	VRN
875	<i>V. cruciata</i> (Vaucher) De Candolle (= <i>Vaucheria debaryana</i> Woronin)	K, D, J	KSM, LTP, MAU, MRZ
876	<i>V. geminata</i> (Vaucher) De Candolle	A, F, M	BRY, MRZ
877	<i>V. geminata</i> var. <i>verticillata</i> (Meneghini) Rabenhorst	A	SUL
878	<i>V. hamata</i> (Vaucher) De Candolle	K	VRN
879	<i>V. nasuta</i> W.R. Taylor & Bornatowicz	A	SUL, VRN
880	<i>V. uncinata</i> Kützing	A	VRN
881	<i>V. undulata</i> C.-C. Jao	M	VRN
882	<i>Volvox africanus</i> G.S. West	C, F, G, P, Q	LKO, MRZ
883	<i>V. aureus</i> Ehrenberg	F	LKO, LTP, SHP
884	<i>V. carteri</i> F. Stein	C, F, G, P, Q	LKO, MRZ
885	<i>V. globator</i> Linnaeus	C, F	BBK, LKO, VRN
886	<i>V. merrillii</i> W.R. Shaw	F	LKO
887	<i>V. rousseletii</i> G.S. West	F	LKO
888	<i>V. rousseletii</i> var. <i>lucknowensis</i> M.O.P. Iyengar	F	LKO
889	<i>V. spermatozoo</i> J.H. Powers	F	AYO
890	<i>Willea apiculata</i> (Lemmermann) D.M. John, M.J. Wynne & P.M. Tsarenko (= <i>Crucigenia apiculata</i> (Lemmermann) Schmidle)	D, F	MHB
891	<i>W. crucifera</i> (Wolle) D.M. John, M.J. Wynne & P.M. Tsarenko (= <i>Crucigenia crucifera</i> (Wolle) O. Kuntze)	D, F	MHB
892	<i>W. rectangularis</i> (A. Braun) D.M. John, M.J. Wynne & P.M. Tsarenko (= <i>Crucigenia rectangularis</i> (Nägeli) Komárek)	F	PRG
893	<i>Witrockiella sundarbanensis</i> (A.K. Islam) C. Boedeker (= <i>Cladophorella sundarbanensis</i> A.K. Islam)	A, D, F, H	BLR
894	<i>Xanthidium antilopaeum</i> Kützing	D, N	PRG
895	<i>Zygnema chalybeospermum</i> Hansgirg (= <i>Zygnema melanosporum</i> Lagerheim)	D, F	KSM, KNP, MHB, PRG
896	<i>Z. collinsianum</i> Transeau	F	AYO
897	<i>Z. cylindricum</i> Transeau	K, J	MHB, LKO
898	<i>Z. cylindrosporum</i> Czurda	F	PRG
899	<i>Z. czurdae</i> Randhawa	F	PRG
900	<i>Z. gangeticum</i> Bhashyakarla Rao	F	SHR, VRN
901	<i>Z. globosum</i> Czurda	F	GKP



	Currently accepted name	Habitat	Localities
902	<i>Z. gorakhporensis</i> R.N. Singh	F	GKP, SHR
903	<i>Z. inconspicuum</i> Czurda	J, M	SHR
904	<i>Z. indicum</i> J.N. Misra	D, F, J	KNP, LKO, SKN
905	<i>Z. insigne</i> (Hassall) Kützing	F	BAH, KNP, SHR, SKN
906	<i>Z. mucigena</i> Randhawa	F	AYO
907	<i>Z. normanii</i> Taft	F	VRN
908	<i>Z. oudhense</i> Randhawa	F	GON
909	<i>Z. stellinum</i> (O.F. Müller) C. Agardh	F	SHR
910	<i>Z. terrestre</i> Randhawa	F, M	AYO, SUL
911	<i>Z. vaucheri</i> C. Agardh	F	BBK, GON
912	<i>Zygnemopsis globosa</i> Randhawa (= <i>Zygnemopsis globosum</i> Czurda)	F	GKP
913	<i>Z. gracilis</i> Randhawa	M, O	AYO
914	<i>Z. indica</i> (Randhawa) Randhawa	M	PRG, SUL
915	<i>Z. iyengarii</i> (Randhawa) Randhawa	C	SUL
916	<i>Z. lamellata</i> Randhawa	M	AYO
917	<i>Z. minuta</i> Randhawa	M	AYO
918	<i>Z. sphaerospora</i> Randhawa	F, M	AYO
919	<i>Z. splendens</i> Randhawa	F	AYO, RMP
920	<i>Z. transeauana</i> Randhawa	F	AYO
921	<i>Z. vermaii</i> B.N. Prasad & V. Kumari	M	LKO

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Table 2. Current taxonomic position of various taxa after segregation of Fritsch's class Chlorophyceae in Uttar Pradesh.

Phylum	Class	Order	Family	Genera
Charophyta	Charophyceae	Charales	Characeae	<i>Chara</i> (13), <i>Nitella</i> (23), <i>Tolypella</i> (2)
	Coleochaetophyceae	Chaetosphaeridiales	Chaetosphaeriaceae	<i>Chaetosphaeridium</i> (3)
		Coleochaetales	Coleochaetaceae	<i>Coleochaete</i> (10), <i>Conochaete</i> (1)
	Klebsormiophyceae	Klebsormidiales	Klebsormiaceae	<i>Klebsormidium</i> (2)
	Zygnematomyceae	Desmidiiales	Closteriaceae	<i>Closterium</i> (54)
			Desmidiaceae	<i>Actinotaenium</i> (5), <i>Arthrodesmus</i> (1), <i>Cosmarium</i> (163), <i>Cosmocladium</i> (1), <i>Desmidium</i> (3), <i>Docidium</i> (1), <i>Euastrum</i> (39), <i>Hyalotheca</i> (2), <i>Microsterias</i> (9), <i>Pleurotaenium</i> (15), <i>Sphaerosozma</i> (4), <i>Spondylosium</i> (2), <i>Staurastrum</i> (27), <i>Staurodesmus</i> (4), <i>Teilingia</i> (2), <i>Xanthidium</i> (1)
			Gonatozygaceae	<i>Gonatozygon</i> (1)
			Peniaceae	<i>Penium</i> (1)
		Zygnematales	Mesotaeniaceae	<i>Cylindrocystis</i> (1), <i>Netrium</i> (1), <i>Spirotaenia</i> (1)
			Zygnemataceae	<i>Mougeotia</i> (11), <i>Sirocladium</i> (9), <i>Sirogonium</i> (8), <i>Spirogyra</i> (72), <i>Temnogametum</i> (1), <i>Transeauina</i> (1), <i>Zygnema</i> (17), <i>Zygnemopsis</i> (10)
Chlorophyta	Chlorodendrophyceae	Chlorodendrales	Chlorodendraceae	<i>Tetraselmis</i> (1)
	Chlorophyceae	Chaetopeltidales	Chaetopeltiaceae	<i>Chaetopeltis</i> (1), <i>Pseudulvella</i> (2)
		Chaetophorales	Aphanochaetaceae	<i>Aphanochaete</i> (3)
			Chaetophoraceae	<i>Chaetophora</i> (1), <i>Chaetophoropsis</i> (4), <i>Draparnaldia</i> (6), <i>Epibolium</i> (1), <i>Iwanoffia</i> (1), <i>Leptosiroopsis</i> (1), <i>Stigeoclonium</i> (15)
			Fritschiellaceae	<i>Fritschiella</i> (1)
			Schizomeridaceae	<i>Schizomeris</i> (2)
			Uronemataceae	<i>Uronema</i> (1)
		Chlamydomonadales	Carteriaceae	<i>Pseudagloë</i> (1)
			Chlamydomonadaceae	<i>Carteria</i> (2), <i>Chlamydomonas</i> (13), <i>Microglana</i> (2), <i>Oogamochlamys</i> (1)
			Chlorochytriaceae	<i>Chlorochytrium</i> (1)
			Chlorococcaceae	<i>Chlorococcum</i> (2)
			Dunaliellaceae	<i>Papenfussiomonas</i> (1)
			Goniaceae	<i>Gonium</i> (2)
			Haematococcaceae	<i>Balticola</i> (1), <i>Chlorogonium</i> (2), <i>Haematococcus</i> (1)
			Palmellaceae	<i>Palmella</i> (2)
			Palmellopsidaceae	<i>Asterococcus</i> (1), <i>Chlamydocapsa</i> (1), <i>Sphaerello cystis</i> (1)
			Phacotaceae	<i>Phacotus</i> (2)
			Pleurastraceae	<i>Pleurastrum</i> (1)
			Protosiphonaceae	<i>Protosiphon</i> (1)
			Spondylomoraceae	<i>Pyrobotrys</i> (6)
			Sphaerocystidaceae	<i>Sphaerocystis</i> (1)
			Tetrabaenaceae	<i>Tetrabaena</i> (1)
			Tetrasporaceae	<i>Tetraspora</i> (3)
			Volvocaceae	<i>Eudorina</i> (1), <i>Pandorina</i> (2), <i>Pleodorina</i> (1), <i>Volvox</i> (8)



		Oedogoniales	Oedogoniaceae	<i>Bulbochaete</i> (13), <i>Oedocladium</i> (1), <i>Oedogonium</i> (79)
		Sphaeropleales	Characiaceae	<i>Characilopsis</i> (1), <i>Characium</i> (3)
			Cylindrocapsaceae	<i>Cylindrocapsa</i> (4)
			Hydrodictyceae	<i>Hydrodictyon</i> (1), <i>Lacunastrum</i> (1), <i>Monactinus</i> (1), <i>Parapediastrum</i> (1), <i>Pediastrum</i> (7), <i>Pseudopediastrum</i> (2), <i>Sorastrum</i> (1), <i>Stauridium</i> (1), <i>Tetraedron</i> (6)
			Radiococcaceae	<i>Coenocystis</i> (1), <i>Gloeocystis</i> (2)
			Scenedesmaceae	<i>Acutodesmus</i> (1), <i>Coelastrum</i> (6), <i>Comasiella</i> (1), <i>Desmodesmus</i> (19), <i>Dimorphococcus</i> (1), <i>Hariotina</i> (1), <i>Scenedesmus</i> (24), <i>Tetradasmus</i> (5), <i>Tetrallantos</i> (1)
			Microsporaceae	<i>Microspora</i> (5)
			Selenastraceae	<i>Ankistrodesmus</i> (5), <i>Kirchneriella</i> (3), <i>Messastrum</i> (2), <i>Monoraphidium</i> (1), <i>Raphidocelis</i> (1), <i>Selenastrum</i> (1)
			Sphaeropleaceae	<i>Radiofilum</i> (1), <i>Sphaeroplea</i> (1)
			Schroederiaceae	<i>Schroederia</i> (1)
	Trebouxiophyceae	Chlorellales	Chlorellaceae	<i>Actinastrum</i> (2), <i>Chlorella</i> (1), <i>Closteriopsis</i> (1), <i>Dictyosphaerium</i> (3), <i>Geminella</i> (1), <i>Micractinium</i> (1), <i>Mucidosphaerium</i> (1)
			Eremosphaeraceae	<i>Neglectella</i> (1)
			Oocystaceae	<i>Elongatocystis</i> (1), <i>Eremosphaera</i> (1), <i>Gloeotaenium</i> (1), <i>Nephrocytium</i> (2), <i>Oocystaenium</i> (1), <i>Oocystis</i> (7), <i>Oonephris</i> (1), <i>Willea</i> (3)
		Microthamniales	Microthamniaceae	<i>Microthamnion</i> (3)
		Prasiolales	Stichococcaceae	<i>Diplosphaera</i> (1), <i>Desmococcus</i> (1)
		Trebouxiales	Botryococcaceae	<i>Botryococcus</i> (1)
			Trebouxiaceae	<i>Trebouxia</i> (1)
		Trebouxiophyceae ordo incertae sedis	Coccomyaceae	<i>Choricystis</i> (1), <i>Coccomyxa</i> (2)
			Trebouxiophyceae fam. incertae sedis	<i>Crucigenia</i> (4), <i>Lemmermannia</i> (1)
	Ulvophyceae	Bryopsidales	Dichotomosiphonaceae	<i>Dichotomosiphon</i> (1)
		Cladophorales	Cladophoraceae	<i>Cladophora</i> (8), <i>Lychaete</i> (1), <i>Pseudorhizoclonium</i> (1), <i>Rhizoclonium</i> (5)
			Pithophoraceae	<i>Aegagropila</i> (2), <i>Aegagropilopsis</i> (1), <i>Arnoldiella</i> (1), <i>Pithophora</i> (1), <i>Wittrockiella</i> (1)
		Scotinosphaerales	Scotinosphaeraceae	<i>Scotinosphaera</i> (1)
		Trentepohliales	Trentepohliaceae	<i>Cephaleuros</i> (1), <i>Trentepohlia</i> (2)
		Ulotrichales	Ulotrichaceae	<i>Gloeotilopsis</i> (1), <i>Ulothrix</i> (9)
		Ulvaes	Ctenocladaceae	<i>Ctenocladus</i> (1)
			Ulvaceae	<i>Enteromorpha</i> (1), <i>Ulva</i> (2)
Glaucophyta	Glaucophyceae	Glaucozystales	Glaucozystaceae	<i>Glaucozystis</i> (3)
Ochrophyta	Eustigmatophyceae	Gonioclhoridales	Gonioclhoridaceae	<i>Gonioclhoris</i> (1), <i>Pseudostaurastrum</i> (1)
	Xanthophyceae	Vaucheriales	Vaucheriaceae	<i>Vaucheria</i> (12)

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Dr. John Noyes, Natural History Museum, London, UK
Dr. Albert G. Orr, Griffith University, Nathan, Australia
Dr. Sameer Padhye, Katholieke Universiteit Leuven, Belgium
Dr. Nancy van der Poorten, Toronto, Canada
Dr. Kareen Schnabel, NIWA, Wellington, New Zealand
Dr. R.M. Sharma, (Retd.) Scientist, Zoological Survey of India, Pune, India
Dr. Manju Siliwal, WILD, Coimbatore, Tamil Nadu, India
Dr. G.P. Sinha, Botanical Survey of India, Allahabad, India
Dr. K.A. Subramanian, Zoological Survey of India, New Alipore, Kolkata, India
Dr. P.M. Sureshan, Zoological Survey of India, Kozhikode, Kerala, India
Dr. R. Varatharajan, Manipur University, Imphal, Manipur, India
Dr. Eduard Vives, Museu de Ciències Naturals de Barcelona, Terrassa, Spain
Dr. James Young, Hong Kong Lepidopterists' Society, Hong Kong
Dr. R. Sundararaj, Institute of Wood Science & Technology, Bengaluru, India
Dr. M. Nithyanandan, Environmental Department, La Ala Al Kuwait Real Estate. Co. K.S.C., Kuwait
Dr. Himender Bharti, Punjabi University, Punjab, India
Mr. Purnendu Roy, London, UK
Dr. Saito Motoki, The Butterfly Society of Japan, Tokyo, Japan
Dr. Sanjay Sondhi, TITLI TRUST, Kalpvriksh, Dehradun, India
Dr. Nguyen Thi Phuong Lien, Vietnam Academy of Science and Technology, Hanoi, Vietnam
Dr. Nitin Kulkarni, Tropical Research Institute, Jabalpur, India
Dr. Robin Wen Jiang Ngiam, National Parks Board, Singapore
Dr. Lionel Monod, Natural History Museum of Geneva, Genève, Switzerland.
Dr. Asheesh Shivam, Nehru Gram Bharti University, Allahabad, India
Dr. Rosana Moreira da Rocha, Universidade Federal do Paraná, Curitiba, Brasil
Dr. Kurt R. Arnold, North Dakota State University, Saxony, Germany
Dr. James M. Carpenter, American Museum of Natural History, New York, USA
Dr. David M. Claborn, Missouri State University, Springfield, USA
Dr. Kareen Schnabel, Marine Biologist, Wellington, New Zealand
Dr. Amazonas Chagas Júnior, Universidade Federal de Mato Grosso, Cuiabá, Brasil
Mr. Monsoon Jyoti Gogoi, Assam University, Silchar, Assam, India
Dr. Heo Chong Chin, Universiti Teknologi MARA (UiTM), Selangor, Malaysia
Dr. R.J. Shiel, University of Adelaide, SA 5005, Australia
Dr. Siddharth Kulkarni, The George Washington University, Washington, USA
Dr. Priyadarsanan Dharma Rajan, ATREE, Bengaluru, India
Dr. Phil Alderslade, CSIRO Marine And Atmospheric Research, Hobart, Australia
Dr. John E.N. Veron, Coral Reef Research, Townsville, Australia
Dr. Daniel Whitmore, State Museum of Natural History Stuttgart, Rosenstein, Germany.
Dr. Yu-Feng Hsu, National Taiwan Normal University, Taipei City, Taiwan
Dr. Keith V. Wolfe, Antioch, California, USA
Dr. Siddharth Kulkarni, The Hormiga Lab, The George Washington University, Washington, D.C., USA
Dr. Tomas Ditrich, Faculty of Education, University of South Bohemia in Ceske Budejovice, Czech Republic
Dr. Mihaly Foldvari, Natural History Museum, University of Oslo, Norway
Dr. V.P. Uniyal, Wildlife Institute of India, Dehradun, Uttarakhand 248001, India
Dr. John T.D. Caleb, Zoological Survey of India, Kolkata, West Bengal, India
Dr. Priyadarsanan Dharma Rajan, Ashoka Trust for Research in Ecology and the Environment (ATREE), Royal Enclave, Bangalore, Karnataka, India

Fishes

Dr. Neelesh Dahanukar, IISER, Pune, Maharashtra, India
Dr. Topiltzin Contreras MacBeath, Universidad Autónoma del estado de Morelos, México
Dr. Heok Hee Ng, National University of Singapore, Science Drive, Singapore
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Dr. Susan Cheyne, Borneo Nature Foundation International, Palangkaraja, Indonesia
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Other Disciplines

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ravi@threatenedtaxa.org



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