

# ALGAL FLORA OF TAMILNADU

## Introduction

Algae are the photosynthetic organisms that converted the anaerobic atmosphere of the earth into an aerobic atmosphere by their process of oxygenic photo-phosphorylation. These algae that started to appear on earth 2.5 Gaλ (=years x 10<sup>9</sup> λ) ago evolved into different groups of plants in the course of evolutionary process (Cloud, 1976; South and Whittick, 1987). They are still considered very important because they are an excellent source of single cell protein (Shelef and Soeder, 1980), hydrocarbons (Ben-Amotz and Auron, 1980), biogas, polysaccharides such as agar-agar, alginic acid, carrageenin (McCandless, 1981), antibiotics (Hoppe, 1979; Fenical, 1975), colouring pigments (Venkataraman and Becker, 1985), important medicines (Schwimmer and Schwimmer, 1964). Phytoplanktons that include algae as their exclusive constituent are directly related to fish populations of the oceans and thereby control the availability of 'sea food'. The level of pollution of inland waterbodies can be evaluated by studying the algae present in them (Palmer, 1968; Mohapatra and Mohanty, 1992). Algae also cause many inconvenience to us. These include their ability to produce water blooms, toxins (Codd *et al.*, 1995) and diseases (Stein and Borden, 1984; Beskow, 1978; Legge and Rosencrantz, 1932). All these stress the need for knowing the algae present in our environment for the following reasons:

1. To utilize their potential as a source of protein, pigments, vitamins and minerals, medicines, bio-fuels and bio-fertilizers;
2. To evaluate the degree pollution in aquatic environments;
3. To make use of them for removal of toxic chemicals and heavy metals from industrial effluents;
4. To treat the waste water from houses that would open up ways for reusing and recycling the precious freshwater;

5. To make use of them as source of raw materials in industries producing algal polysaccharides;
6. To formulate innovative cost effective methods to control algae in cooling towers and swimming pools;

Hence a database on algal resource is absolutely necessary to know our algal wealth. The database can be used as a single source to search for any alga reported to occur in Tamilnadu. This database is a compilation of all algae documented by eminent algologists published in a series of monographs by Indian Council of Agricultural research and Madras Science Foundation. It also includes the algae described/reported to occur in Tamilnadu since the publication of the monographs. The algal monographs, checklists and journals in which the algal taxa are published are presented in the following Table.1. Name, field of expertise and address of experts of algal systematics are given in Table 2.

**Table:1 Algal monographs, Checklist and Journals**

S.No.	Algal Monograph/Checklist	Author	Year of Publication	Publisher
1.	Cyanophyta	T.V.Desikachary	1959	Indian Council of Agricultural Research, New Delhi
2.	Zygnematales	Randhawa	1959	Indian Council of Agricultural Research, New Delhi
3.	Charophyta	B.P.Pal, B.C.Kundu, V.S.Sundaralingam and G.S. Venkata-raman	1962	Indian Council of Agricultural Research, New Delhi
4	Ulotrionales	K.R.Ramanathan	1964	Indian Council of Agricultural Research, New Delhi
5.	Phaeophyceae in India	J.N. Misra	1966	Indian Council of Agricultural Research, New Delhi
6.	Chlorococcales	M.T.Philipose	1967	Indian Council of Agricultural Research, New Delhi
7.	A Checklist of Indian Marine algae	V.Krishnamurthy and H.V. Joshi	1971	Central Salts and Marine Chemicals Research Institute, Bhavnagar
8.	Volvocales	M.O.P. Iyengar and T.V. Desikachary	1981	Madras Science Foundation, Chennai
9.	Rhodophyta	T.V.Desikachary, V.Krishnamurthy and M.S.Balakrishnan	1990	Madras Science Foundation, Chennai
10.	Rhodophyta Volume II, Part-B	T.V. Desikachary, V.Krishnamurthy and M.S.Balakrishnan	1998	Madras Science Foundation, Chennai
11.	Algae of India and Neighbouring Countries 1. Chlorophycota	V. Krishnamurthy	2000	Science Publishers, Inc. USA
<b>Journals</b>				
1.	Phykos	Phycological Society of India, New Delhi		

2.	Journal of Indian botanical Society	Botanical Society of India, New Delhi
3.	Seaweed Research and Utilization	Seaweed Research and Utilization Association, Central Fisheries Research Institute, Mandapam camp
4.	Indian Hydrobiology	Krishnamurthy Institute of Algology 9, Lady Madhavan Street, Chennai-600 034,

A total number of 1263 taxa belonging to 8 classes are reported to occur in Tamilnadu. Of these 1119 taxa are species of algae belonging to different groups and the rest are sub species (2), varieties (100) and forms (42). These algae are distributed under 432 genera belonging to 115 families under 38 orders (Table 2). All the taxa are arranged following the classification proposed by Paul C. Silva in Sybil Parker (1982). Members of Dinophyceae are not included in this work. The details of different taxa of major classes are given in Table 3 and Table 4.

**Table 3. Taxa of algae of Tamilnadu**

S.No.	Class	Order	Family	Genus	Species	Subspecies	Varieties	Forms
1	Cyanophyceae	Chroococcales	Chroococcaceae	12	41			1
2			Entophysalidaceae	2	2			
3			Cyanidiaceae	1	1			
4		Pleurocapsales	Chamaesiphonaceae	1	1			
5			Dermocarpaceae	2	4			
6			Pleurocapsaceae	1	2			
7			Hyellaceae	3	3			
8		Nostocales	Oscillatoriaceae	12	79		3	6
9			Tubiellaceae	1	1			
10			Nostocaceae	9	23		5	1
11			Scytonemataceae	7	30		3	1
12			Rivulariaceae	4	16		2	
13		Stigonematales	Nostochopsidaceae	2	3			
14			Mastigocladaceae	2	1		1	
15			Stigonemataceae	5	12			
16	Chlorophyceae	Volvocales	Astrephomenaceae	1	1			
17			Chlamydomonadaceae	11	78		4	
18			Dunaliellaceae	2	2			
19			Nephroselmidaceae	1	1			
20			Oltmansiellaceae	1	1			
21			Phacotaceae	15	23		1	

22			Platymonadaceae	2	3			
23			Pyramimonadaceae	1	1			
24			Spondylomoraceae	1	3			
25			Volvocaceae	5	11		2	
26		Tetrasporales	Gloeococcaceae	1	3			
27			Palmellopsidaceae	5	7			
28			Tetrasporaceae	5	6			
29			Chaetochloridaceae	1	1			
30			Characiochloridaceae	7	8			
31			Nautococcaceae	2	4			
32		Chlorococcales	Characiosiphonaceae	1	1			
33			Characiaceae	2	3			
34			Chlorococcaceae	2	2			
35			Hydrodictyotaceae	4	9		7	3
36			Oocystaceae	6	7			
37			Botryococcaceae	1	1			
38			Dictyosphaeriaceae	2	4			
39			Selenastraceae	3	3			
40			Coelastraceae	1	2		1	
41			Scenedesmaceae	4	11		5	2
42		Ulotrichales	Ulotrichaceae	6	13			
43			Cylindrocapsaceae	2	2			
44		Oedogoniales	Oedogoniaceae	2	10			
45		Chaetophorales	Chaetophoraceae	7	13			
46			Aphanochaetaceae	1	1			
47			Schizomeridaceae	1	1			
48		Ctenocladales	Ulvellaceae	2	3		1	
49			Gomontiaceae	1	1			
50		Ulvales	Ulvaceae	2	13		2	
51		Cladophorales	Cladophoraceae	6	10			
52		Trentepohliales	Trentepohliaceae	3	11		1	
53		Coleochaetales	Coleochaetaceae	1	3			

54		Bryopsidales	Protosiphonaceae	1	1			
55			Bryopsidaceae	2	4			
56			Caulerpaceae	1	19		3	1
57			Codiaceae	3	8			
58			Udoteaceae	2	6			
59		Siphonocladales	Anadyomenaceae	2	2			
60			Siphonocladaceae	4	5			
61			Valoniaceae	2	2			
62		Dasycladales	Polyphysaceae	1	3			
63			Dasycladaceae	1	2			
64		Zygnematales	Zygnemataceae	17	43		12	2
65	Charophyceae	Charales	Characeae	3	19	2	3	8
66	Euglenophyceae	Euglenales	Euglenaceae	1	1			
67	Chrysophyceae	Chrysocapsales	Chrysocapsaceae	1	1			
68	Bacillariophyceae	Centrales	Coscinodiscaceae (Freshwater)	1	2			
68a			Coscinodiscaceae (Marine)	35	98		14	3
69		Pennales	Fragilariaceae (Freshwater)	2	3		3	1
69a			Fragilariaceae (Marine)	11	14			
70			Eunotiaceae	1	3		1	
71			Achnanthaceae (Freshwater)	1	2			
71a			Achnanthaceae (Marine)	18	35		8	
72			Naviculaceae	9	20		11	3
73			Epithemiaceae	1	1			
74			Nitzschiaceae	3	7		3	1
75	Phaeophyceae	Ectocarpales	Ectocarpaceae	5	8			
76			Ralfsiaceae	1	1			

77		Sphacelariales	Sphacelariaceae	1	4		
78		Dicyotales	Dictyotaceae	6	18		
79		Chordariales	Myrionemataceae	2	4		
80			Chordariaceae	1	1		
81		Scytosiphonales	Scytosiponaceae	4	5		
82			Chnoosporaceae	1	3		
83		Fucales	Cystoseiraceae	2	2		
84			Sargassaceae	2	19	1	2
85	Rhodophyceae	Porphyridiales	Porphyridiaceae	1	1		
86			Goniotrichaceae	2	3		
87		Bangiales	Erythropeltidiaceae	2	3		
88			Bangiaceae	1	2		
89		Compsopogonales	Compsopogonaceae	1	3		
90		Nemaliales	Acrochaetiaceae	2	10		
91			Batrachospermaceae	3	5		
92			Nemalionaceae	1	1		
93			Dermonemataceae	1	1		
94			Helminthocladiaceae	2	7		2
95			Chaetangiaceae	3	8		
96			Bonnemaisoniaceae	1	1		
97			Gelidiaceae	1	1		
98			Gelidiellaceae	1	4		1
99		Cryptonemiales	Corynomorphaceae	1	1		
100			Cryptonemiaceae	4	13		1
101			Halymeniaceae	1	6		
102			Corallinaceae	3	8		
103			Spongitaceae	10	38		3
104			Hildenbrandiaceae	1	1		
105		Rhodymeniales	Champiaceae	1	2	1	
106			Rhodymeniaceae	6	7		
107		Gigartinales	Gracilariaceae	4	26		
108			Hypneaceae	1	7		



109			Rhizophyllidaceae	1	1			
110			Solieriaceae	2	2			
111			Caulacanthaceae	1	1			
112		Ceramiales	Ceramiaceae	21	46			
113			Dasyaceae	3	7			
114			Delesseriaceae	5	8			
115			Rhodomelaceae	14	43			2
<b>Total</b>				<b>432</b>	<b>1119</b>	<b>2</b>	<b>100</b>	<b>42</b>

**Table4. Taxa of major classes of algae reported from Tamilnadu**

S.No.	Class	Order	Family	Genus	Species	Sub-species	Varieties	Forms	Total (Species and below species level)
1.	Cyanophyceae	4	15	64	219	0	14	9	242
2.	Chlorophyceae	15	49	158	372	0	39	8	419
3.	Charophyceae	1	1	3	19	2	3	8	32
4.	Bacillariophyceae	2	7	78	185	0	40	8	233
5.	Phaeophyceae	6	10	25	65	0	1	2	68
6.	Rhodophyceae	8	31	100	257	0	3	7	267

A perusal of tables 2 and 3 indicates that the algal flora of Tamilnadu is dominated by the members of the Chlorophyceae represented by 419 taxa, followed by the members of the Rhodophyceae (267), Cyanophyceae (235), Bacillariophyceae (233), Phaeophyceae (68) and Charophyceae (32).

**TABLE 5 ALGAL FLORA OF TAMILNADU**

	Order	Family	Binomial	Habit and Habitat	Distribution	Remarks	AUTHOR AND YEAR OF PUBLICATION
1	Chroococcales	Chroococcaceae	<i>Aphanocapsa biformis</i> A.Br.		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
2			<i>Aphanocapsa littoralis</i> Hansgirg	Marine	Shingle island, Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
3			<i>Aphanocapsa roeseana</i> de Bary		Shembaganur, Madurai district		Desikachary, T.V. 1959
4			<i>Aphanocapsa elachista</i> N. et G.S.West.		Chennai		Desikachary, T.V. 1959
5			<i>Aphanothece stagnina</i> (Spreng.) A.Br.		Shembaganur, Madurai district; Chennai		Desikachary, T.V. 1959
6			<i>Aphanothece naegelii</i> Wartm.		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
7			<i>Aphanothece nidulans</i> Richter		Chennai		Desikachary, T.V. 1959
8			<i>Aphanothece saxicola</i> Nag		Shembaganur, Madurai district		Desikachary, T.V. 1959
9			<i>Aphanothece castagnei</i> (Breb.) Rabenh.		Shembaganur, Madurai district; Singaperumal Koil, Vandalur, Kanchipuram district.		Desikachary, T.V. 1959
10			<i>Aphanothece pallida</i> (Kutz.) Rabenh.		Vandalur, Kanchipuram district		Desikachary, T.V. 1959
11			<i>Aphanothece microscopica</i> Nag.		Shembaganur, Madurai district		Desikachary, T.V. 1959
12			<i>Chroococcus cohaerens</i> (Breb.) Naegeli	Epiphytic alga	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
13			<i>Chroococcus tenax</i> (Kirchn) Hieron		Chennai		Desikachary, T.V. 1959
14			<i>Coelosphaerium kuetzingianum</i> Nag.		Kanchipuram; Chennai		Desikachary, T.V. 1959
15			<i>Dactylococcopsis fasciculatus</i> Lemm.f. <i>indica</i> Desikachary		Kanchipuram; Yercaud		Desikachary, T.V. 1959
16			<i>Gleocapsa calcarea</i> Tilden	Slow sand filters	Chennai		Desikachary, T.V. 1959

17			<i>Gleocapsa kuetzingiana</i> Nag.		Chennai		Desikachary, T.V. 1959
18			<i>Gleocapsa livida</i> (Carm.) Kutz.		Shembaganur, Madurai district		Desikachary, T.V. 1959
19			<i>Gleocapsa magma</i> (Breb) Kutz.		Chennai		Desikachary, T.V. 1959
20			<i>Gleocapsa punctata</i> Nag.	On the sides of cement tub	Chennai		Desikachary, T.V. 1959
21			<i>Gloeothece fusco-lutea</i> Nag.		Shembaganur, Madurai district		Desikachary, T.V. 1959
22			<i>Gloeothece membranacea</i> (Rabenh.) Bornet		Shembaganur, Madurai district		Desikachary, T.V. 1959
23			<i>Gloeothece rupestris</i> (Lyngb.) Bornet		Shembaganur, Madurai district		Desikachary, T.V. 1959
24			<i>Gloeothece samoensis</i> Wille		Kunnakudi, Madurai district		Desikachary, T.V. 1959
25			<i>Gloeothece vibio</i> Carter		Cape Comorin		Venkataraman, G.S. 1957
26			<i>Gloeothece samoensis</i> Wille var. <i>major</i> Wille		Chennai		Desikachary, T.V. 1959
27			<i>Gomphosphaeria aponina</i> Kutz.	Slow sand filters, planktonic in beach pools.	Chennai; Ennore		Desikachary, T.V. 1959
28			<i>Merismopedia glauca</i> (Ehrenb.) Nag.		Chennai		Desikachary, T.V. 1959
29			<i>Merismopedia marssonii</i> Lemm.	Artificial pond	Chennai		Desikachary, T.V. 1959
30			<i>Merismopedia punctata</i> Meyen		Chennai; Vaiyampatti, Trichy district		Desikachary, T.V. 1959
31			<i>Merismopedia tenuissima</i> Lemm.		Chennai		Desikachary, T.V. 1959
32			<i>Microcystis aeruginosa</i> Kutz.		Sholavaram lake and temple tanks, Chennai; Mettur lake		Desikachary, T.V. 1959
33			<i>Microcystis elongata</i> Desikachary		Temple tanks, Chennai		Desikachary, T.V. 1959
34			<i>Microcystis flos-aquae</i> (Wilttra) Kirchner		Chennai		Desikachary, T.V. 1959
35			<i>Microcystis marginata</i> (Menegh.) Kutz.		Sholavaram lake, Chennai		Desikachary, T.V. 1959

36			<i>Microcystis protocystis</i> Crow		Sholavaram, Chennai		Desikachary, T.V. 1959
37			<i>Microcystis pseudofilamentosa</i> Crow		Chennai		Desikachary, T.V. 1959
38			<i>Microcystis robusta</i> (Clark) Nygaard		Chennai		Desikachary, T.V. 1959
39			<i>Microcystis scripta</i> (Richter) Lemm.		Chennai		Desikachary, T.V. 1959
40			<i>Microcystis viridis</i> (A.Br.) Lemm.		Chennai		Desikachary, T.V. 1959
41			<i>Synechococcus cedrorum</i> Sauvageau		Vandalur, Kanchipuram district		Desikachary, T.V. 1959
42			<i>Synechocystis pevalekii</i> Ercegovic		Chennai		Desikachary, T.V. 1959
43		Entophysalidaceae	<i>Entophysalis granulosa</i> Kutzing	Marine	Pamban; Cape comorin		Desikachary, T.V. 1959
44			<i>Johannesbaptistia pellucida</i> (Dickie) Taylor et Drouet		Chennai		Desikachary, T.V. 1959
45			<i>Chroococcidiopsis indica</i> Desikachary		Chennai		Desikachary, T.V. 1959
46	Pleurocapsales	Chaemosiphonaceae	<i>Chamaesiphon rostaffinskii</i> (Rostaf) Hansgirg	pond	Chennai		Desikachary, T.V. 1959
47			<i>Dermocarpa clavata</i> (Setchell et Gardner) Geitler	Artificial tank	Chennai		Desikachary, T.V. 1959
48			<i>Dermocarpa flahaultii</i> Sauvageau		Shembaganur, Madurai district		Desikachary, T.V. 1959
49			<i>Dermocarpa hemisphaerica</i> Setchellet Gardner	Marine	Krusadai Island; Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
50			<i>Dermocarpa versicolor</i> (Borzi) Geitler	Marine	Krusadai Island		Desikachary, T.V. 1959
51			<i>Stichosiphon sansibaricus</i> (Hieron) Drouet et Daily		Shembaganur, Madurai district; Chennai		Desikachary, T.V. 1959
52		Pleurocapsaceae	<i>Myxosarcina spectabilis</i> Geitler		Chennai		Desikachary, T.V. 1959

53			<i>Myxosarcina concinna</i> Printz	Marine	Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
54			<i>Hydrococcus rivularis</i> Ku		Shembaganur, Madurai district.		Desikachary, T.V. 1959
55		Hyellaceae	<i>Hyella caespitosa</i> Born. et Flah	On shells; Marine	Mahabalipuram and all around the peninsular coast		Desikachary, T.V. 1959
56			<i>Xenococcus willei</i> Gardner	Salt water pond	Krusadai Island; Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
57	Nostocales	Oscillatoriaceae	<i>Arthrospira massartii</i> Kuffareth var. <i>indica</i>	Ponds and beach pools	Chennai		Desikachary, T.V. 1959
58		Oscillatoriaceae	<i>Crinalium magnum</i> Fritsch et John		Vandalur, Kanchipuram district		Desikachary, T.V. 1959
59			<i>Lyngbya aeruginosa-coerulea</i> (Kuetz.) Gomont		All over Tamil Nadu		Desikachary, T.V. 1959
60			<i>Lyngbya aestuarii</i> Liebm. ex Gomont	Marine plankton	Krusadai Island		Desikachary, T.V. 1959
61			<i>Lyngbya aestuarii</i> var. <i>arbustiva</i> Bruhl et Biswas		Chennai		Desikachary, T.V. 1959
62			<i>Lyngbya arboricola</i> Bruhl et Biswas		Chennai		Desikachary, T.V. 1959
63			<i>Lyngbya baculum</i> Gomont	Marine, on <i>Enhalus</i>	Pamban		Desikachary, T.V. 1959
64			<i>Lyngbya bipunctata</i> Lemm.		Shembaganur, Madurai district		Desikachary, T.V. 1959
65			<i>Lyngbya Chaetomorphae</i> lyengar et Desikachary	On <i>Chaetomorpha litorea</i> floating in masses in the esturine region	River Cooum, Chennai		Desikachary, T.V. 1959
66			<i>Lyngbya confervoides</i> C.Ag. ex Gomont		Krusadai Island		Desikachary, T.V. 1959
67			<i>Lyngbya contorta</i> Lemm.	Tank	Sholinghur		Desikachary, T.V. 1959
68			<i>Lyngbya dendrobia</i> Bruhl et Biswas		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
69			<i>Lyngbya digueti</i> Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
70			<i>Lyngbya gardneri</i> (Setchel et Gardner) Geitler	Marine, on <i>Lyngbya majuscula</i>	Dhanushkodi		Desikachary, T.V. 1959
71			<i>Lyngbya holdenii</i> Forti	On other algae growing on Chunks in deep water	Rameswaram		Desikachary, T.V. 1959

72			<i>Lyngbya kuetzingii</i> Schmidle		Shembaganur, Madurai district		Desikachary, T.V. 1959
73			<i>Lyngbya kuetzingii</i> Schmidle var. <i>minor</i> Gardner	On <i>Lyngbya majuscula</i>	A.H. Gardens, Chennai		Desikachary, T.V. 1959
74			<i>Lyngbya lagerheimii</i> (Mob) Gomont f. <i>minor</i> Desikachary		Red Hills, Ennore, Chennai		Desikachary, T.V. 1959
75			<i>Lyngbya limnetica</i> Lemmermann		Shembagnur, Madurai district		Desikachary, T.V. 1959
76			<i>Lyngbya majuscula</i> Harvey ex Gomont	In both freshwater and marine environment; salt pans	Chennai; Cape Comorin; Covelong		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957; Anand, N. and N. Venkatesan, 1985
77			<i>Lyngbya mucicola</i> Lemmermann		Shembaganur, Madurai district		Desikachary, T.V. 1959
78			<i>Lyngbya nordgardhii</i> Wille	Washed ashore	Dhanushkodi		Desikachary, T.V. 1959
79			<i>Lyngbya porphyrosiphonis</i> Fremy		Shembagnur, Madurai district		Desikachary, T.V. 1959
80			<i>Lyngbya semiplana</i> Ag. Ex Gomont	Marine; salt pans	Dhanushkodi, Cape Comorin and Seven Pagodas; Covelong		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957; Anand, N. and N. Venkatesan, 1985
81			<i>Lyngbya sordida</i> (Anard.) Gomont	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
82			<i>Lyngbya spiralis</i> Geitler	Along with other gelatinous algae in a cement tub	Chennai		Desikachary, T.V. 1959
83			<i>Lyngbya spirulinoides</i> Gomont	Tank	Chengleput		Desikachary, T.V. 1959
84			<i>Microcoleus chthonoplastes</i> Thuret ex Gomont	Marine. On Chanks ; Salt pans	Rameswaram; Cape Comorin; Covelong, Chennai.		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957; Anand, N. and N. Venkatesan
85			<i>Microcoleus paludosus</i> (Kutz.) Gomont		Shembagnur, Madurai district		Desikachary, T.V. 1959
86			<i>Oscillatoria annae</i> van Goor	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
87			<i>Oscillatoria agardhii</i> Gomont		Chennai		Desikachary, T.V. 1959
88			<i>Oscillatoria amphibia</i> Ag. Ex Gomont		Stream at Vaiyampatti, Trichy district; Periyar reservoir, Yercaud		Desikachary, T.V. 1959

89			<i>Oscillatoria angustata</i> Koppe	Beach pools	Chennai; Stream at Vaiyampatti, Trichy district		Desikachary, T.V. 1959
90			<i>Oscillatoria cortiana</i> Menegh	In pools on the way to water falls	Courtallam		Desikachary, T.V. 1959
91			<i>Oscillatoria earlei</i> Gardner	Beach pools	Chennai		Desikachary, T.V. 1959
92			<i>Oscillatoria foreani</i> Fremy		Shembaganur, Madurai district		Desikachary, T.V. 1959
93			<i>Oscillatoria formosa</i> Bory ex Gomont	salt pans	Shembaganur, Madurai district; Covelong, Chennai.		Desikachary, T.V. 1959; Anand, N. and N. Venkatesan, 1975.
94			<i>Oscillatoria fremyii</i> De Toni		Kali valley near Aravankadu		Desikachary, T.V. 1959
95			<i>Oscillatoria irrigua</i> (Kutz.) Gomont		Gulf of Mannar		Desikachary, T.V. 1959
96			<i>Oscillatoria limnetica</i> Lemm	Freshwater	Red Hills lake, Slow sand filters, Chennai; Pudukkottah		Desikachary, T.V. 1959
97			<i>Oscillatoria limosa</i> Ag. Ex Gomont	salt pans	Chennai; Cape Comorin; Covelong, Chennai		Desikachary, T.V. 1959; Anand, N. and N. Venkatesan, 1985
98			<i>Oscillatoria nigroviridis</i> Thwaites ex Gomont	Marine; Salt pans	Chennai; Cape Comorin; Covelong, Chennai		Desikachary, T.V. 1959; Venkataraman, G.S. 1957; Anand, N. and N. Venkatesan, 1985.
99			<i>Oscillatoria obscura</i> Bruhl		Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
100			<i>Oscillatoria princeps</i> Vaucher ex Gomont		All over Tamil Nadu		Desikachary, T.V. 1959
101			<i>Oscillatoria quadripunctulata</i> Bruhl et Biswas		Kodaikanal		Desikachary, T.V. 1959
102			<i>Oscillatoria raciborskii</i> Wolosz	Rain water pool	Chennai; Pudukkottah		Desikachary, T.V. 1959
103			<i>Oscillatoria salina</i> Biswas	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
104			<i>Oscillatoria sancta</i> (Kuetz.) Gomont.	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
105			<i>Oscillatoria splendida</i> Grev. Ex Gomont		Kodaikanal lake, tank at Sholingur; Yercaud lake		Desikachary, T.V. 1959; Chandra. S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy, 2003.
106			<i>Oscillatoria subbrevis</i> Schmidle		Saidapet, Chennai		Desikachary, T.V. 1959

107			<i>Oscillatoria subbrevis</i> Schmidle f. minor Desikachary		Saidapet, Chennai		Desikachary, T.V. 1959
108			<i>Oscillatoria subuliformis</i> Kutz. Ex Gomont	Marine	Chennai.		Desikachary, T.V. 1959
109			<i>Oscillatoria tanganyikae</i> G.S.West	In slow sand filters	Chennai		Desikachary, T.V. 1959
110			<i>Oscillatoria tenuis</i> Ag. Ex Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
111			<i>Phormidium angustissimum</i> W. et G.S. West	On red soils	Vandalur, Kanchipuram district; Red hills near Chennai		Desikachary, T.V. 1959
112			<i>Phormidium bigranulatum</i> Gardner	Pond	Chennai		Desikachary, T.V. 1959
113			<i>Phormidium corium</i> (Ag.) Gomont	Dripping walls after heavy rains	Chennai		Desikachary, T.V. 1959
114			<i>Phormidium fragile</i> (Meneghini)Gomont	On the walls of a pond; Salt pans.	Chennai; Covelong.		Desikachary, T.V. 1959 ; Anand, N. and N. Venkatesan, 1985
115			<i>Phormidium luridum</i> (Kutz.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
116			<i>Phormidium molle</i> (Kutz.) Gomon1	On red soils	Near Chennai		Desikachary, T.V. 1959
117			<i>Phormidium mucicola</i> Hub.- Pestalozzi et Naumann	Ponds and beach pools	Chennai		Desikachary, T.V. 1959
118			<i>Phormidium papyraceum</i> (Ag.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
119			<i>Phormidium submembranaceum</i> (Ard. Et Straff) Gomont	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
120			<i>Phormidium retzii</i> (Ag.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
121			<i>Phormidium tenue</i> (Menegh.) Gomont	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
122			<i>Phormidium uncinatum</i> (Ag.) Gomont		Vandalur, Kanchipuram district		Desikachary, T.V. 1959
123			<i>Polychlamydom insigne</i> West et West		Ennore, Chennai		Desikachary, T.V. 1959



124			<i>Porphyrosiphon notarisii</i> (Menegh) Kutz	On moist soils	Around Chennai		Desikachary, T.V. 1959
125			<i>Schizothrix friesii</i> (Ag.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
126			<i>Schizothrix friesii</i> (Ag.) Gomont <i>f. repens</i> Frey		Shembaganur, Madurai district		Desikachary, T.V. 1959
127			<i>Schizothrix lamyi</i> Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
128			<i>Schizothrix muelleri</i> Nag. ex Gomont <i>f. lyngbyoidea</i> Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
129			<i>Schizothrix purpurascens</i> (Kutz.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
130			<i>Schizothrix tenuis</i> Woronichin	Marine	Cape Comorin		Desikachary, T.V. 1959 ; Venkataraman, G.S. 1957
131			<i>Spirulina labyrinthiformis</i> (Menegh.) Gomont		Chennai		Desikachary, T.V. 1959
132			<i>Spirulina laxissima</i> West	Slow sand filters	Chennai		Desikachary, T.V. 1959
133			<i>Spirulina laxissima</i> West <i>f. major</i> Desikachary	Rain water pool	Pudukkottah		Desikachary, T.V. 1959
134			<i>Spirulina major</i> Kuetz. ex Gomont.	Salt pans	Covelong, Chennai		Anand, N. and N. Venkatesan, 1985
135			<i>Spirulina meneghiniana</i> Zanard. ex Gomont	Beach pools	Chennai		Desikachary, T.V. 1959
136			<i>Spirulina princeps</i> W. et G.S. West65		Chennai		Desikachary, T.V. 1959
137			<i>Spirulina subsalsa</i> Oerst. ex Gomont	Salt pans	Chennai; Covelong.		Desikachary, T.V. 1959 ; Anand, N. and N. Venkatesan, 1985
138			<i>Spirulina subtilissima</i> Kutz. ex Gomont		Shembaganur, Madurai district; Pamban.		Desikachary, T.V. 1959
139			<i>Symploca hydroides</i> Kutzing ex Gomont <i>f. minor</i> Iyengar and Desikachary		Krusadai Island		Desikachary, T.V. 1959
140			<i>Symploca muralis</i> Kutzing ex Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
141			<i>Symploca muscorum</i> (Ag.) Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959

142			<i>Trichodesmium erythraeum</i> Ehrenberg ex Gomont	salt pans	All around peninsular coast; Covelong, Chennai.	Desikachary, T.V. 1959; Anand, N. and N. Venkatesan, 1985.
143			<i>Trichodesmium lacustre</i> Klebahn	In a laboratory tub	Chennai	Desikachary, T.V. 1959
144			<i>Trichodesmium thiebautii</i> Gomont		Krusadai Island	Desikachary, T.V. 1959
145		Tubiellaceae	<i>Geminifilum yercaudense</i> Chandra		Orchidarium, Yercaud	Chandra, S. 2004
146		Nostocaceae	<i>Anabaena aphanizomenoides</i> Forti	Tank	Chennai	Desikachary, T.V. 1959
147			<i>Anabaena flos-aquae</i> (Lyngb.) Breb. ex Born. et Flah	In a pool	Chennai	Desikachary, T.V. 1959
148			<i>Anabaena sphaerica</i> Bornet et Flahault		Chennai	Desikachary, T.V. 1959
149			<i>Anabaena sphaerica</i> var. <i>attenuata</i> Bharadwaja	Rain water pool	Chepauk, Chennai	Desikachary, T.V. 1959
150			<i>Anabaena utermohlii</i> Geitler	Pool	Chennai	Desikachary, T.V. 1959
151			<i>Anabaena randhavae</i> Venkataraman		Cape Comorin	Desikachary, T.V. 1959
152			<i>Anabaenopsis arnoldii</i> Aptekarj var. <i>indica</i> Ramanathan	River coom and stagnant ponds	Chennai	Desikachary, T.V. 1959
153			<i>Anabaenopsis circularis</i> (G.S.West) Wolosz. et Miller var. <i>javanica</i> Wolosz.		Chennai	Desikachary, T.V. 1959
154			<i>Aulosira aenigmatica</i> Frey		Shembaganur, Madurai district	Desikachary, T.V. 1959
155			<i>Aulosira fritschii</i> Bharadwaja	pool	Elliot's beach, Chennai	Desikachary, T.V. 1959
156			<i>Aulosira prolifica</i> Bharadwaja		Ennore, Chennai and Chengleput lake	Desikachary, T.V. 1959
157			<i>Cylindrospermum alatosporum</i> Fritsch	On dripping rocks	Kunnakudi, Madurai district	Desikachary, T.V. 1959

158			<i>Cylindrospermum muscicola</i> Kuetzing ex Bornet et Flahault	Epiphytic alga	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
159			<i>Cylindrospermum stagnale</i> (Kutz.) Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
160			<i>Cylindrospermum stagnale f.</i> <i>sporolimbata</i> Frey		Shembaganur, Madurai district		Desikachary, T.V. 1959
161			<i>Hormothamnion</i> <i>enteromorphoides</i> Grunow ex Born et Flah	On <i>Spyridia filamentosa</i>	Krusadai Island		Desikachary, T.V. 1959
162			<i>Hormothamnion solutum</i> Bornet et Grunow		Tuticorin		Desikachary, T.V. 1959
163			<i>Nodularia spumigena</i> Mertens ex Born. et Flah var. <i>major</i> (Kutz.) Born. et Flah	Washed ashore	Pamban coast, Shingle Island and Hare Island		Desikachary, T.V. 1959
164			<i>Nostoc commune</i> Vaucher ex Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
165			<i>Nostoc krishnamurthyi</i> Chandra	At an altitude of 1150 m above mean sea level	On the way to Yercaud		Chandra, S. 2004
166			<i>Nostoc microscopicum</i> Carm. ex Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
167			<i>Nostoc parmelioides</i> Kutz. ex Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
168			<i>Nostoc punctiforme</i> (Kutz.) Hariot		Kodikanal		Desikachary, T.V. 1959
169			<i>Nostoc sphaericum</i> Vaucher ex Born. et Flah		Shambaganur and Courtallum		Desikachary, T.V. 1959
170			<i>Nostoc spongiforme</i> Agardh ex Born et Flah		Shambaganur, Madurai district		Desikachary, T.V. 1959
171			<i>Nostoc spongiforme</i> var. <i>varians</i> Rao, C.B.		Chennai		Desikachary, T.V. 1959
172			<i>Nostoc verrucosum</i> Vaucher ex Born et Flah		Kodaikanal		Desikachary, T.V. 1959
173			<i>Raphidiopsis curvata</i> Fritsch et Rich	Tank	A.H. Gardens, Chennai		Desikachary, T.V. 1959

174			<i>Richelia intracellularis</i> Johs. Schmidt	Marine	Chennai coast		Desikachary, T.V. 1959
175		Scytonemataceae	<i>Camptylonemopsis iyengarii</i> Desikachary		Vandalur, Kanchipuram district		Desikachary, T.V. 1959
176			<i>Camptylonemopsis minor</i> Desikachary	Freshwater pool near lake	Kodaikanal		Desikachary, T.V. 1959
177			<i>Camptylonemopsis pulneyensis</i> Desikachary	Freshwater pool	Kodaikanal		Desikachary, T.V. 1959
178			<i>Fortiea bossei</i> (Freymy) Desikachary		Kunnakudi and Shembaganur, Madurai district and Courtallum		Desikachary, T.V. 1959
179			<i>Microchaete aequalis</i> (Freymy) Desikachary		Shembaganur, Madurai district		Desikachary, T.V. 1959
180			<i>Microchaete aeruginea</i> Batters	At high tide mark, along with Cladophora and dead corals	Pamban		Desikachary, T.V. 1959
181			<i>Microchaete elongata</i> (Freymy) Desikachary		Shembaganur, Madurai district		Desikachary, T.V. 1959
182			<i>Microchaete tenera</i> Thuret Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
183			<i>Petalonema alatum</i> Beck		Shembaganur, Madurai district		Desikachary, T.V. 1959
184			<i>Plectonema nostocorum</i> Bornet ex Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
185			<i>Plectonema terebrans</i> Bornet ex Gomont	On shells of Gastropods	Krusadai Island		Desikachary, T.V. 1959
186			<i>Plectonema tomasinianum</i> (Kutz.) Born. ex Gomont var. <i>vandalurensis</i> Desikachary		Vandalur lake, Kanchipuram district		Desikachary, T.V. 1959
187			<i>Plectonema wollei</i> Farlow ex Gomont		Shembaganur, Madurai district		Desikachary, T.V. 1959
188			<i>Scytonema amplum</i> West et West	In a water fall	Periyar		Desikachary, T.V. 1959
189			<i>Scytonema bohneri</i> Schmidle	Red Hills lake	Chennai		Desikachary, T.V. 1959
190			<i>Scytonema coactile</i> Montagne ex Born. Et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
191			<i>Scytonema fremyii</i> Desikachary		Shembaganur, Madurai district		Desikachary, T.V. 1959

192			<i>Scytonema gyanse</i> (Mont.) Bornet et Flahault		Shembaganur, Madurai district		Desikachary, T.V. 1959
193			<i>Scytonema hofmanni</i> var. <i>symplocoides</i> (Reinsch) Bornet et Flahault		Kodaikanal		Desikachary, T.V. 1959
194			<i>Scytonema javanicum</i> (Kutz.) Bornet ex Born. Et Flah.		Shembaganur, Madurai district		Desikachary, T.V. 1959
195			<i>Scytonema mirabile</i> (Dillw.) Born.		Shembaganur, Madurai district		Desikachary, T.V. 1959
196			<i>Scytonema mirabile f. minor</i> Bharadwaja	In drying pool	Elliot's beach, Chennai		Desikachary, T.V. 1959
197			<i>Scytonema myochrons</i> (Dillw.) Ag. Ex Born. Et Flah		Shambaganur, Madurai district		Desikachary, T.V. 1959
198			<i>Scytonema pascheri</i> Bharadwaja	On moist soils	Chennai		Desikachary, T.V. 1959
199			<i>Scytonema pseudoguyaneuse</i> Bharadwaja		Ten malai		Desikachary, T.V. 1959
200			<i>Scytonema rivulare</i> Borzi ex Born. Et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
201			<i>Scytonema saleyeriense</i> Weber van Bosse var. <i>indica</i> Bharadwaja		Ten malai		Desikachary, T.V. 1959
202			<i>Scytonema schmidtii</i> Gom	On dripping rocks	Kodaikanal		Desikachary, T.V. 1959
203			<i>Scytonema stuposum</i> (Kutzing) Bornet ex Born. Et Flah		Kumili near Shembaganur, Madurai district		Desikachary, T.V. 1959
204			<i>Tolypothrix bouteillei</i> (Breb. Et Desm.) Forti	Moist soil	Chennai		Desikachary, T.V. 1959
205			<i>Tolypothrix foreau</i> Frey		Sembaganur, Madurai district		Desikachary, T.V. 1959
206			<i>Tolypothrix limbata</i> Thuret		Sembaganur, Madurai district		Desikachary, T.V. 1959
207			<i>Tolypothrix rechingeri</i> (Wille) Geitler		Sembaganur, Madurai district		Desikachary, T.V. 1959
208		Rivulariaceae	<i>Calothrix contarenii</i> (Zanard.) Bornet ex Flahault		Pamban and Krusadai Islands		Desikachary, T.V. 1959

209			<i>Calothrix crustacea</i> Thuret		Cape Comorin and Krusadai Island		Desikachary, T.V. 1959 , Venkataraman,G.S. 1957
210			<i>Calothrix fusca</i> (Kutz.) Bornet et Flahault		Shembaganur, Madurai district		Desikachary, T.V. 1959
211			<i>Calothrix javanica</i> de Wilde	In the lake	Chengleput		Desikachary, T.V. 1959
212			<i>Calothrix membranacea</i> Schmidle	In the lab culture	Vandalur, Kanchipuram district		Desikachary, T.V. 1959
213			<i>Calothrix parietina</i> Thuret ex Born. Et Flah	Rocks near Gundar falls	Kodaikanal and Shembaganur		Desikachary, T.V. 1959
214			<i>Calothrix pulvinata</i> Ag.		Cape Comorin		Desikachary, T.V. 1959; Venkataraman, G.S. 1957
215			<i>Calothrix sculpurum</i> (Weber et Mohr.) Ag. Ex Born. Et Flah		Cape Comorin		Desikachary, T.V. 1959
216			<i>Calothrix stellaris</i> Bornet et Flahault	Lab tub	Chennai		Desikachary, T.V. 1959
217			<i>Calothrix wembaerensis</i> Hieronet Schmidle	In a pond	Chennai		Desikachary, T.V. 1959
218			<i>Dichothrix baneriana</i> (Grun.) Born. Et Flah	In harbour piers	Chennai		Desikachary, T.V. 1959
219			<i>Dichothrix compacta</i> Born. et Flah		Shembaganur, Madurai		Desikachary, T.V. 1959
220			<i>Gloeotrichia natans</i> Rabenhorst ex Born. Et Flah		Vandalur lake, Kanchipuram district; Chennai; Mamandur		Desikachary, T.V. 1959
221			<i>Gloeotrichia pilgeri</i> Schmidle	On <i>Isoetes</i> in a tank	Vandalur, Kanchipuram district		Desikachary, T.V. 1959
222			<i>Gloeotrichia raciborskii</i> Woloszynska		Vandalur, Kanchipuram district; Chengleput		Desikachary, T.V. 1959
223			<i>Rivularia dura</i> Roth ex Born. et Flah. var. <i>confluens</i> Frey		Shembaganur, Madurai district		Desikachary, T.V. 1959
224			<i>Rivularia manginii</i> Frey		Shembaganur, Madurai district		Desikachary, T.V. 1959
225			<i>Rivularia manginii</i> Frey var. <i>confluens</i> Frey		Shembaganur, Madurai district		Desikachary, T.V. 1959

226	Stigonematales	Nostochopsidaceae	<i>Mastigocoleus testarum</i> Lagerh.		Krusadai island; Mahabalipuram		Desikachary, T.V. 1959
227			<i>Nostochopsis lobatus</i> Wood em. Geitler		Shembaganur, Madurai district; Anamalais, Coimbatore district		Desikachary, T.V. 1959
228			<i>Nostochopsis radians</i> Bharadwaja		Tenmalai		Desikachary, T.V. 1959
229		Mastigocladaceae	<i>Brachytrichia quoyi</i> (Ag.) Born. Et Flah	Marine	Pamban; Cape comorin		Desikachary, T.V. 1959
230			<i>Mastigocladus laminosus</i> Cohn var. <i>indicus</i> Desikachary		Kodaikanal		Desikachary, T.V. 1959
231		Stigonemataceae	<i>Fisherellopsis moniliforme</i> (Fremy) Fritsch		Gundar falls, Kodaikanal		Desikachary, T.V. 1959
232			<i>Haplosiphon delicatulus</i> W. et G.S. West		Kodaikanal lake		Desikachary, T.V. 1959
233			<i>Haplosiphon intricatus</i> W. et G.S. West		Shembaganur, Madurai district		Desikachary, T.V. 1959
234			<i>Haplosiphon stuhlmannii</i> Hieron		Kodaikanal lake		Desikachary, T.V. 1959
235			<i>Stigonema dendroideum</i> Fremy	Near Gundar falls	Kodaikanal		Desikachary, T.V. 1959
236			<i>Stigonema hormoides</i> (Kutz.) Born. et Flah		Kodaikanal		Desikachary, T.V. 1959
237			<i>Stigonema informe</i> Kutz. ex Born. et Flah.		Shembaganur, Madurai district		Desikachary, T.V. 1959
238			<i>Stigonema mesentericum</i> Geitler	Gundar falls	Kodaikanal		Desikachary, T.V. 1959
239			<i>Stigonema minutum</i> (Ag.) Hassall ex Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
240			<i>Stigonema panniformis</i> (Ag.) Born. et Flah		Shembaganur, Madurai district		Desikachary, T.V. 1959
241			<i>Ammatooides normannii</i> W. et G.S. West	Marine	Gulf of Mannar		Thajuddin, N. and G. Subramanian 1995
242			<i>Westiellopsis prolifica</i> Janet		Chennai		Desikachary, T.V. 1959
243	Volvocales	Astrephomenaceae	<i>Astrephomene gubernaculifera</i> Pocock		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981

244		Chlamydomonadaceae	<i>Carteria arenariae</i> Iyengar	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
245			<i>Carteria ellipsoidal</i> Bold	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
246			<i>Carteria globosa</i> Korschikoff		Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
247			<i>Carteria iyengarii</i> Ramanathan	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
248			<i>Carteria klebsii</i> (Dang) France em Troitskaja		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
249			<i>Carteria madrasensis</i> Iyengar	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
250			<i>Carteria multifilis</i> (Fres) Dill	Artificial pond	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
251			<i>Carteria pascheri</i> Skuja		Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
252			<i>Carteria peterhofiensis</i> Kors	Lloyds road	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
253			<i>Carteria polystriata</i> Nygaard		Mambalam, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
254			<i>Carteria radiosa</i> Korsch	Artificial pond	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
255			<i>Chlamydomonas acuta</i> Kors	Road side rain water pool	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
256			<i>Chlamydomonas badensis</i> Moewns	In cultures of silt from Museum pond	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
257			<i>Chlamydomonas coniformis</i> Pascher <i>var. minor</i> Iyengar		Beach pool, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
258			<i>Chlamydomonas conochilae</i> Iyengar	Plankton	Irrigation tank, Vandalur, Kanchipuram Dt.		Iyengar, M.O.P. and T.V. Desikachary 1981
259			<i>Chlamydomonas conoides</i> Iyengar		Irrigation tank, Vandalur, Kanchipuram Dt.; Rain water pool, Mylapore, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
260			<i>Chlamydomonas ehrenbergii</i> Gorosch		Beach pool, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
261			<i>Chlamydomonas eudorinae</i> Iyengar	In the outer mucilage of <i>Eudorina elegans</i>	Muddy water, Nekkundram, Guindy, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
262			<i>Chlamydomonas frankii</i> Pascher	In cultures of soils from lawn	uncultivated areas. Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981



263			<i>Chlamydomonas globosa</i> Snow		Rain water pool, chepauk, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
264			<i>Chlamydomonas globosa</i> var. <i>arenariae</i> Iyengar		Small pool in the beach sand, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
265			<i>Chlamydomonas gracilis</i> Snow	In culture of silt from Museum pond	Museum pond, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
266			<i>Chlamydomonas hexangularis</i> Iyengar	Road side rain water pool	Ice house road, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
267			<i>Chlamydomonas isogama</i> Kors	Artificial pond	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
268			<i>Chlamydomonas kakosmos</i> Moewus	Beach pools	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
269			<i>Chlamydomonas kirchneriellae</i> Iyengar	Inside the mucilage of KLirchneriella	Guindy, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
270			<i>Chlamydomonas madraspatensis</i> Iyengar		Beach pools, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
271			<i>Chlamydomonas microcystiae</i> Iyengar	In the mucilage of Microcystis	Way side pond, Vandalur, Kanchipuram		Iyengar, M.O.P. and T.V. Desikachary 1981
272			<i>Chlamydomonas microsphaera</i> Pascher et Jahoda		Beach pool; Rain water pool, Adyar, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
273			<i>Chlamydomonas moadina</i> (Her.) Stein var. <i>indica</i> Iyengar	Muddy water pools	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
274			<i>Chlamydomonas multiplyrenoidosa</i> Iyengar	South tank square	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
275			<i>Chlamydomonas obovata</i> Iyengar		Tank, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
276			<i>Chlamydomonas oocysticola</i> Iyengar	On Ulothrix filament	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
277			<i>Chlamydomonas orbicularis</i> E.G. Pringsh		Tank bed, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
278			<i>Chlamydomonas pertusa</i> var. <i>indica</i> Iyengar	Tank	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
279			<i>Chlamydomonas planoconvexa</i> Iyengar	Beach pools	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981

280			<i>Chlamydomonas pseudagloe</i> Pascher	Tank	Triplicane, Road side rainwater puddle, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
281			<i>Chlamydomonas</i> <i>pseudobadensis</i> Iyengar	Tank	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
282			<i>Chlamydomonas</i> <i>pseudoepiphyticalyengar</i>	In the gelatinous matrix of Microcystis aeruginosa	Way side pond, Vandalur, Kanchipuram; Victoria Hostel pond, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
283			<i>Chlamydomonas</i> <i>pseudohaematococcoides</i> Iyengar	Stagnant water after rains, Thousand lights; Pycrafts road,; Wallajah road, Triplicane	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
284			<i>Chlamydomonas</i> <i>pseudopertusa</i> Iyengar	On soil in drilled up pool along with Oedogonium	A.H.Gardens, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
285			<i>Chlamydomonas pseudopertyi</i> Pascher		Sand pools, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
286			<i>Chlamydomonas</i> <i>pseudopolypyrenoidea</i> Iyengar	Road side rain water pool	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
287			<i>Chlamydomonas pseudorotula</i> Iyengar	On moist sand, giving it a green colour at the borders of beach pool	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
288			<i>Chlamydomonas</i> <i>pseudostellata</i> Iyengar	In pools in the bed of Parthasarathy tank	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
289			<i>Chlamydomonas pseudotarda</i> Bourr.	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
290			<i>Chlamydomonas</i> <i>pseudotetraolaris</i> Iyengar	Beach pool opposite to war memorial	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
291			<i>Chlamydomonas pyriformis</i> Iyengar	Tank	Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
292			<i>Chlamydomonas regularis</i> Kors	Plankton	Chenn		Iyengar, M.O.P. and T.V. Desikachary 1981
293			<i>Chlamydomonas reinhardi</i> Dang		Triplicane, Santhome, A.H.Gardens, Artificial tank, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
294			<i>Chlamydomonas rubrifilum</i> Kors	North beach pools	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
295			<i>Chlamydomonas snowiae</i> Printz	Plankton, In cultures of silt	Museum pond, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981

296			<i>Chlamydomonas steinii</i> Gorosch		Beach pool, Triplicane, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
297			<i>Chlamydomonas stellata</i> Dill		Pond, Teynampet, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
298			<i>Chlamydomonas terrestris</i> Petersen	In cultures of garden soil, soils from lawn, uncultivated field soil and dry pool bed soil	Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
299			<i>Chlamydomonas tetracitidis</i> lyengar	Embedded in the mucilage surrounding colonies of Tetractis	Muddy water pools, Guindy, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
300			<i>Chlamydomonas triplicanensis</i> lyengar	In tiny pools in the moist bed of a tank	Triplicane, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
301			<i>Chlamydomonas umbonata</i> Pascher		Moist tank bed, Triplicane, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
302			<i>Chlamydomonas volvocicola</i> lyengar	Embedded in the outer colonial matrix of Volvox sp.	Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
303			<i>Chlamydomonas zebra</i> Kors	Stray	Chaennai		lyengar, M.O.P. and T.V. Desikachary 1981
304			<i>Chlorogonium elongatum</i> (Dang.) France		Vandalur, Kanchipuram district		lyengar, M.O.P. and T.V. Desikachary 1981
305			<i>Chlorogonium leiostacum</i> Strehlow		Beach pool, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
306			<i>Chlorogonium metamorphum</i> Skuja		North Beach pool, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
307			<i>Chlorogonium minutissimum</i> lyengar		Beach pool, Triplicane, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
308			<i>Chlorogonium setaceum</i> lyengar		Beach pool, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
309			<i>Chlorogonium tetragamum</i> Bohlin		Triplicane tank, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
310			<i>Chloromonas conoides</i> lyengar		North Beach pool, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
311			<i>Chloromonas dehlemensis</i> Gerloff		Rain water road side puddle, Triplicane, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
312			<i>Chloromonas paradoxa</i> Kors		Rain water road side puddle, Triplicane, Chennai	Brownish green water contaminated with cattle urine	lyengar, M.O.P. and T.V. Desikachary 1981

313			<i>Chloromonas pseudoplatyrincha</i> (Pascher) Silva		Temple tank, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
314			<i>Chloromonas urinaria</i> Iyengar		Road side puddle, Chennai	In water highly polluted with cattle urine.	Iyengar, M.O.P. and T.V. Desikachary 1981
315			<i>Diplostauron indicum</i> Iyengar		Road side rain water puddle, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
316			<i>Hyalogonium klebsii</i> Pascher		Rain water puddle, Pycrafts road, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
317			<i>Lobomonas rostrata</i> HazenL		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
318			<i>Lobomonas spinosa</i> Iyengar		Sand pools, opposite to Fort, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
319			<i>Lobomonas stellata</i> hodat		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
320			<i>Phyllariochloris indica</i> Iyengar		Road side rain water puddle, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
321			<i>Polytoma uvella</i> Her.		Rain water pool, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
322			<i>Sphaerellopsis gloeocystiformis</i> (Dill) Gerloff		Point next to Post office, Adyar, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
323			<i>Sphaerellopsis pyriformis</i> Iyengar		Vandalur, Kanchipuram district		Iyengar, M.O.P. and T.V. Desikachary 1981
324			<i>Sphaerellopsis reticularis</i> Iyengar		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
325			<i>Tussetia polytomoides</i> Pascher		Temple tank, Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
326		Dunaliellaceae	<i>Collodictyon indicum</i> Iyengar		Beach pool, Chennai, Muddy rain water pool, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
327			<i>Spermatozopsis exsultans</i> Korschi Koff		Muddy rain water pool, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
328		Nephroselmidaceae	<i>Heteromastrix angulata</i> Kors.		Masonry garden tub, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
329		Oltmansellaceae	<i>Oltmansella lineata</i> Zimm.	Bay of Bengal	Off Madras		Iyengar, M.O.P. and T.V. Desikachary 1981

330		Phacotaceae	<i>Cephalomonas granulata</i> Higinbotham		Ice house, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
331			<i>Coccomonas orbicularis</i> Stein		Nekkundram, Nungambakkam-Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
332			<i>Delphimonas hemisphaerica</i> Iyengar		Chepaum, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
333			<i>Dysmorphococcus coccifer</i> Kors		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
334			<i>Dysmorphococcus indicus</i> Iyengar	Vandalur tank	Kanchipuram district		Iyengar, M.O.P. and T.V. Desikachary 1981
335			<i>Dysmorphococcus punctatus</i> Fott		Mylapore, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
336			<i>Dysmorphococcus variabilis</i> Takeda		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
337			<i>Fortiella elliptica</i> Iyengar		Royapettah, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
338			<i>Fortiellopsis madraspatensis</i> Iyengar		Thousand lights, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
339			<i>Melomonas hemisphaericus</i> Iyengar		Triplicane, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
340			<i>Pedinopera rugulosa</i> (Playfair) Pascher	Road side rain water puddle	Walajah road, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
341			<i>Pedinoperopsis gracilis</i> Kors		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
342			<i>Phacotus lenticularis</i> (Her.) Stein		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
343			<i>Pteromonas aculeata</i> Lemm.		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
344			<i>Pteromonas angulosa</i> (carter) Lemm.		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
345			<i>Pteromonas angulosa v.</i> <i>cordiformis</i> (Lemm.) Philipose		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
346			<i>Pteromonas madrasensis</i> Iyengar		Nekkundram, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
347			<i>Pteromonas multiplyrenoidea</i> Iyengar		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981

348			<i>Pteromonas rectangularis</i> Lemm.		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
349			<i>Pteromonas sinuosa</i> Ghodat		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
350			<i>Pyramidococcus indicus</i> Iyengar		Chepauk, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
351			<i>Thorakomonas irregularis</i> Kors	Beach pool	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
352			<i>Thorakomonas sabulosa</i> Kors	In a drying pool	A.H.Gardens, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
353			<i>Wislouchiella planctonica</i> Skvortz		Nekkundram, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
354		Platymonadaceae	<i>Platymonas haseni</i> (Butcher) Iyengar et Desikachary		Bay of Bengal, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
355			<i>Platymonas madrasensis</i> Iyengar		Beach pools, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
356			<i>Scherffelia ovata</i> Pascher	Beach pools	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
357		Pyramimonadaceae	<i>Pyramimonas stellata</i> Iyengar		Beach pools, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
358		Spondylomoraceae	<i>Pyrobotrys casinoensis</i> (Playfair) Silva		Mount road, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
359			<i>Pyrobotrys elongata</i> Kors		Mylapore, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
360			<i>Pyrobotrys stellata</i> (Kors.) Kors.	Rain water pools	Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
361		Volvocaceae	<i>Eudorina charkowiensis</i> (Kors.) Pascher		Vandalur, Kanchipuram district		Iyengar, M.O.P. and T.V. Desikachary 1981
362			<i>Eudorina elegans</i> Iyengar		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
363			<i>Eudorina illinoisensis</i> (Kofoid) Pascher		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
364			<i>Eudorina indica</i> Iyengar		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
365			<i>Gonium compactum</i> Iyengar		Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981
366			<i>Gonium discoideum</i> Prescott		Guindy, Chennai		Iyengar, M.O.P. and T.V. Desikachary 1981

367			<i>Gonium pectorale</i> Mull	Beach pool	Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
368			<i>Pandorina cuylindricum</i> lyengar		Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
369			<i>Pandorina morum</i> (Mull.) Bory var. <i>major</i> lyengar		Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
370			<i>Pleodorina sphaerica</i> lyengar		Vandalur, Kanchipuram district		lyengar, M.O.P. and T.V. Desikachary 1981
371			<i>Volvox carteri</i> Stein		Mylapore, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
372			<i>Volvox globator</i> Linn. Em Ehrb. var. <i>madraspatensis</i> lyengar		Elliot's beach, Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
373			<i>Volvox merrilli</i> Shaw		Mahabalipuram near Chennai		lyengar, M.O.P. and T.V. Desikachary 1981
374	Tetrasporales	Gloeococcaceae	<i>Gleococcus lateralis</i> lyengar	In muddy water pools	Nekkundram and Tambaram near Chennai		Krishnamurthy, V. 2000
375			<i>Gleococcus pyriformis</i> lyengar		Vandalur, Kanchipuram district; Nekkundram		Krishnamurthy, V. 2000
376			<i>Gleococcus simplex</i> lyengar	In small astatic pool, Elliot Beach	Chennai	Plankton	Krishnamurthy, V. 2000
377		Palmellopsidaceae	<i>Asterococcus superbus</i> (Cienk) Scherffel	Muddy water pool and paddy fields	Nekkundram, Guindy and Elliot's beach, Chennai		Krishnamurthy, V. 2000
378			<i>Gloeocystis ampla</i> Kuetzing	Muddy water pool, fresh water	Nekkundram, Guindy and Chennai		Krishnamurthy, V. 2000
379			<i>Gloeocystis banneergatensis</i> lyengar	Epiphytic alga	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
380			<i>Gloeocystis planctonica</i> (W. & G.S. West) Lemm	In some pools.	Kodaikanal	Plankton	Krishnamurthy, V. 2000
381			<i>Gloeodenedron ramosum</i> Kors.	Rain water on the beach, paddy field	Chennai, Adyar		Krishnamurthy, V. 2000
382			<i>Tetrasporidium javanicum</i> Moebius	Small pools, Irrigation tank	Chennai, Vandalur, Coimbatore		Krishnamurthy, V. 2000
383			<i>Pseudosphaerocystis indica</i> lyengar	Muddy water pool.	Nekkundram, Guindy and Chennai		Krishnamurthy, V. 2000
384		Tetrasporaceae	<i>Gloechaete witrockiana</i> Lagerheim	A pond	Mahabalipuram		Krishnamurthy, V. 2000

385			<i>Apiocystis globosa</i> Kors	Epiphytic on other algae, fresh water pool, paddy field	Chennai		Krishnamurthy, V. 2000
386			<i>Paulshulzia indica</i> Iyengar		South Indian		Krishnamurthy, V. 2000
387			<i>Schizochlamys gelatinosa</i>	Paddy field, Stream	Chennai,		Krishnamurthy, V. 2000
388			<i>Tetraspora laterale</i> Iyengar and Ramanathan	Paddy field	Chennai		Krishnamurthy, V. 2000
389			<i>Tetraspora vandalorensis</i> Iyengar	Irrigation lake	Vandalur		Krishnamurthy, V. 2000
390		Chaetochloridaceae	<i>Askenasyella randhawai</i> Ramanathan	Paddy field	Adyar, Chennai		Krishnamurthy, V. 2000
391		Characiochloridaceae	<i>Characiochloris anapelesii</i> Iyengar	Muddy water pools	Guindy, Chennai		Krishnamurthy, V. 2000
392			<i>Chlorangioclhois epizootica</i> Iyengar	Attached to aquatic animals, Paddy field	Chennai		Krishnamurthy, V. 2000
393			<i>Physocytium indium</i> Iyengar	Stream	Vaiyampatti neer Tiruchirapalli		Krishnamurthy, V. 2000
394			<i>Chlamydocystis indica</i> Iyengar	In beach pool	Chennai		Krishnamurthy, V. 2000
395			<i>Chloangiell mucigena</i> K.R.Ramanathan in Iyengar	In paddy fields	Adyar, Chennai		Krishnamurthy, V. 2000
396			<i>Chlorangiella consociata</i> (Kors.) Fott.	Paddy fields	Chennai		Krishnamurthy, V. 2000
397			<i>Stylosphaeridiella crucigeniae</i> Iyengar	In a roadside rainwater pool	Guindy, Chennai		Krishnamurthy, V. 2000
398			<i>Chlorophysema madrasensis</i> Iyengar	Roadside rainwater pool	Triplicane, Chennai		Krishnamurthy, V. 2000
399		Nautococcaceae	<i>Hypnomonas indicus</i> Iyengar	On moist garden soil, Agrihorticulture Gardan	Chennai		Krishnamurthy, V. 2000
400			<i>Nautococcus caudatus</i> Kors	Pond, Roadside rainwater ditch	Triplicane, Chennai		Krishnamurthy, V. 2000
401			<i>Nautococcus madrasensis</i> Iyengar	In muddy water pond	Chennai		Krishnamurthy, V. 2000
402			<i>Nautococcus indicus</i> Iyengar	Muddy water pools	Guindy, Chennai		Krishnamurthy, V. 2000



403	Chlorococcales	Characiosiphonaceae	<i>Characiosiphon rivularis</i> Iyengar	In clusters on pebbles and stones in a stream	Near Trichirapalli		Philipose, M.T. 1967
404		Characiaceae	<i>Characium debaryanum</i> (Reilnsch) De Toni	Attached to plankton in museum pond	Chennai		Philipose, M.T. 1967
405			<i>Characium terrestris</i> Kanthamma	In the laboratory culture	Chennai		Philipose, M.T. 1967
406			<i>Korshikoviella limnetice</i> (Lemm) Silva	Free floating in ponds	Chennai		Philipose, M.T. 1967
407		Chlorococcaceae	<i>Schroederia planctonica</i> (Skuga) Philipose	Planktonic in Museum Pond	Chennai		Philipose, M.T. 1967
408			<i>Chlorococcum humicolum</i> (Naegeli) Rabenhorst.	Epiphytic	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
409		Hydrodictyceae	<i>Pediastrum simplex</i> Meyen var. <i>duodenarium</i> (Bailay) Rabenhorst	Planktonic in Standing water of ponds, filter - beds, tanks, lakes, reservoirs and rivers.	Chennai		Philipose, M.T. 1967
410			<i>Pediastrum ovatum</i> (Her.) A. Braun	Swamp	Chennai		Philipose, M.T. 1967
411			<i>Pediastrum boryanum</i> (Turpin) Meneghini	River	Tanjore		Philipose, M.T. 1967
412			<i>Pediastrum duplex</i> Meyen	Museum pond	Chennai		Philipose, M.T. 1967
413			<i>Pediastrum duplex</i> var. <i>clathratum</i> (A. Braun) Lagerheim.	Planktonic in Ponds, lakes, reservoirs.	Chennai		Philipose, M.T. 1967
414			<i>Pediastrum duplex</i> var. <i>reticulatum</i> Lagerheim	River	Chennai		Philipose, M.T. 1967
415			<i>Pediastrum duplex</i> var. <i>gracillimum</i> W.et. G. S. west	Museum pond	Chennai		Philipose, M.T. 1967
416			<i>Pediastrum duplex</i> var. <i>subgranulatum</i> Raciborski	Muttur	Chennai		Philipose, M.T. 1967
417			<i>Pediastrum tetras</i> (Her.) Ralfs	Rare	Ootacamund		Philipose, M.T. 1967
418			<i>Hydrodictyon indicum</i> Iyengar	In a rain water pool	Chennai		Philipose, M.T. 1967
419			<i>Tetraedron simmeri</i> Schmidle var. <i>minus</i> Philipose	Swamp	Chennai City		Philipose, M.T. 1967

420			<i>Tetraedron trigonum</i> (Naegeli) Hansging	River Cooum	Chennai		Philipose, M.T. 1967
421			<i>Tetraedron trigonum f.gracile</i> (Rainsch) De Toni.	Planktonic in Museum Pond	Chennai		Philipose, M.T. 1967
422			<i>Tetraedron regulare</i> Kuetzing. Var. <i>torsum</i> (Turner) Brunthaler.	Stray	Chennai		Philipose, M.T. 1967
423			<i>Tetraedron caudatum.</i> (Corda) Hansging.	Planktonic in a muddy ponds	Ootacamund		Philipose, M.T. 1967
424			<i>Tetraedron pentaedricum</i> W.et. G.S. West.	Rare	Chennai		Philipose, M.T. 1967
425			<i>Tetraedron gracile</i> (Reinsch) Hansging. <i>f. minus</i> Philipose	Museum pond	Chennai		Philipose, M.T. 1967
426			<i>Tetraedron pusillum</i> var. <i>angolense</i> W.et.G.S.West. <i>f.minus</i> Philipose	Museum pond	Chennai		Philipose, M.T. 1967
427			<i>Polyedriopsis spinulosa</i> (schmidle) schmidle.	Planktonic in museum pond	Chennai		Philipose, M.T. 1967
428		Oocystaceae.	<i>Lagerheimia chodati</i> Bernard	Planktonic in ponds.	Chennai		Philipose, M.T. 1967
429			<i>Dendrocystis raoi lyengar</i>	Growing gregariously on stones inside the water in a hill stream	Yercaud		Philipose, M.T. 1967
430			<i>Ecbalocystis courtallensis</i> lyengar	Anamalais hill ranges	Western Ghats		Sankaran, V. 2002
431			<i>Ecbalocystopsis indica</i> lyengar	Anamalais hill ranges	Western Ghats		Sankaran, V. 2002
432			<i>Glaucocystis nostochinearum</i> Rabenhorst		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
433			<i>Oocystis borgei</i> snow	Ponds, stray, December.	Chennai		Philipose, M.T. 1967
434			<i>Oocystis irregularis</i> (Petkof) Printz		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
435		Botryococcaceae	<i>Botryococcus braunii</i> Kuetzing	In Confined waters	Chennai		Philipose, M.T. 1967

436		Dictyosphaeriaceae	<i>Dictyosphaerium pulchellum</i> Wood.	River Cooum Moat	Chennai, Vellore		Philipose, M.T. 1967
437			<i>Dictyosphaerium ehrenbergianum</i> Naegeli.	Rallia reservoir Sim's park ponds & tanks	Coonoor, Cheenai, Ootacamund		Philipose, M.T. 1967
438			<i>Dictyosphaerium indicum</i> lyengar et Ramanathan.	Planktonic in a muddy rain water pool.	Chennai		Philipose, M.T. 1967
439			<i>Westella botryoides</i> (W.West) dewildeman.	Museum pond	Chennai		Philipose, M.T. 1967
440		Selenastraceae	<i>Ankistrodesmus falcatus</i> (corda) Ralfs.	River Cooum	Chennai		Philipose, M.T. 1967
441			<i>Actinastrum hantschii</i> Lagerheim.	River Cooum Moat	Chennai, Vellore		Philipose, M.T. 1967
442			<i>Kirchneriella lunaris</i> (Kirchner) Moebius.	Sim's park pond	Coonoor, Chennai.		Philipose, M.T. 1967
443		Coelastraceae.	<i>Coelastrum cambrium v. intermedium</i> Bohin		Chengalpattu town		Ashok Kumar, 1999
444			<i>Coelastrum microsporium</i> Naegeli	Museum pond	Chennai		Philipose, M.T. 1967
445			<i>Coelastrum reticulatum</i> (Dangeard) Senn.	Ponds.	Chennai		Philipose, M.T. 1967
446		Scenedesmaceae	<i>Crucigenia rectangularis</i> (A.Braun) Gay	Museum pond	Chennai		Philipose, M.T. 1967
447			<i>Crucigenia tetrapedia</i> (Kirchner) W.et.G.S.West.	Museum pond	Chennai		Philipose, M.T. 1967
448			<i>Crucigenia quadrata</i> Morren.	River Cooum	Chennai		Philipose, M.T. 1967
449			<i>Tetrastrum staurogeniaeforme</i> (Schroeder) Lemm.	Planktonic in River Cooum.	Chennai		Philipose, M.T. 1967
450			<i>Scenedesmus obligous</i> (Turpin) Kuetzing	Ponds and Tanks stray - February	Channai		Philipose, M.T. 1967
451			<i>Scenedesmus dimorphus</i> (Turpin) Kuetzing.	Museum Pond, River Cooum.	Chennai, Tanjore; Chengalpattu.		Philipose, M.T. 1967; Ashok Kumar, 1999.
452			<i>Scenedesmus bijugatus</i> (Turpin) Kuetzing	Museum Ponds	Chennai; Chengalpattu		Philipose, M.T. 1967; Ashok Kumar, 1999..

453			<i>Scenedesmus bijugatus</i> var. <i>graevenitzii</i> (Bernard) Philipose	River Cauvery.	Tanjore; Chengalpattu		Philipose, M.T. 1967; Ashok Kumar, 1999.
454			<i>Scenedesmus bijugatus</i> f. <i>irregularis</i> Wille	River Cauvery	Tanjore		Philipose, M.T. 1967
455			<i>Scenedesmus bijugatus</i> f. <i>parvus</i> (G.M.Smith) Philipose	Museum Pond.	Chennai		Philipose, M.T. 1967
456			<i>Scenedesmus denticulatus</i> Lagerheim. var. <i>australis</i> Playfair.	Museum Pond	Chennai		Philipose, M.T. 1967
457			<i>Scenedesmus longus</i> Meyen. var. <i>dispar</i> (Brebisson) G.M.Smith	Museum Pond	Chennai		Philipose, M.T. 1967
458			<i>Scenedesmus opoliensi</i> P. Richter	Ponds & Tanks, Stray - January Moat.	Ootacamund, Vellore.		Philipose, M.T. 1967
459			<i>Scenedesmus tropicus</i> crow	Moat, Stray- December	Vellore, Chennai		Philipose, M.T. 1967
460			<i>Scenedesmus quadricauda</i> (Turpin) Brebisson.	Ponds & tanks, Stray - February.	Chennai		Philipose, M.T. 1967
461			<i>Scenedesmus quadricauda</i> var. <i>bicaudatus</i> Hansging	Ponds & tanks	Chennai		Philipose, M.T. 1967
462			<i>Scenedesmus quadricauda</i> var. <i>longispina</i> (chodat) G.M.Smith	Museum Pond	Chennai.		Philipose, M.T. 1967
463			<i>Nautococcus triplicanensis</i> Iyengar	Parthasarathy Swami Koil Tank	Triplicane, Chennai		Krishnamurthy, V. 2000
464	Ulotrichales	Ulotrichaceae	<i>Geminella minor</i> (Naegeli) Heerling	paddy fields	Near Chennai		Ramanathan, K.R. 1964
465			<i>Hormidium pseudomirabile</i> Ramanathan	In the cultures from a rain water pool	Chennai		Ramanathan, K.R. 1964
466			<i>Stichococcus bacillaris</i> Naegeli	In a culture of soil algae	Chennai		Ramanathan, K.R. 1964

467			<i>Stichococcus fragilis</i> (A. braun) Gay	on a culture disc containing 0.3% knop's solution	Chennai		Ramanathan, K.R. 1964
468			<i>Gloeotilopsis planctonica</i> lyengar et Philipose	Floating near the surface of the water in a pond	Chennai		Ramanathan, K.R. 1964
469			<i>Heterotrichopsis viridis</i> lyengar et Kanthamma	In a laboratory of culture of soil algae	Chennai		Ramanathan, K.R. 1964
470			<i>Ulothrix aequalis</i> Kuetzing	Neerar dam, Anaimalai hill ranges	Near Coimbatore		Sankaran, V. 2005
471			<i>Ulothrix idiospora</i> West	Stream	Valparai		Sankaran, V. 2005
472			<i>Ulothrix moniliformis</i> Kuetzing	Polluted pond	Pollachi		Sankaran, V. 2005
473			<i>Ulothrix rorida</i> Thuret	Neerar dam, Anaimalai hill ranges	Near Coimbatore		Sankaran, V. 2005
474			<i>Ulothrix tenuissima</i> Kuetzing	Stream	Valparai		Sankaran, V. 2005
475			<i>Ulothrix variabilis</i> Kuetzing		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
476			<i>Ulothrix zonata</i> (Weber et Mohr) Kuetz.	Pond	Uthukuli near Pollachi		Sankaran, V. 2005
477		Cylindrocapsaceae	<i>Cylindrocapsa involuta</i> Reinsch	Rain water pool in beach	Chennai		Ramanathan, K.R. 1964
478			<i>Cylindrocapsopsis indica</i> lyengar	Pond	Chennai	Epiphytic on <i>Pithophora</i> and <i>Oedogonium</i> spp.	Ramanathan, K.R. 1964
479	Oedogoniales	Oedogoniaceae	<i>Oedogonium bifforme</i> Nordst	IIT Lake	Chennai		Usha Krishnan and S. Bharathan 2000
480			<i>Oedogonium crispum</i> (Hass.) Wittr		Parambikulam	600 m above mean sea level	Sankaran, V. 2002
481			<i>Oedogonium hatei</i> Kam	Lithophytic in a pond	Perumal karadu, Anamalai; Stream, Sholaiyar Dam	950 m above mean sea level	Sankaran, V. 2002
482			<i>Oedogonium lemmermannii</i> Tiff.	Road side stagnant rain water pool	Porur		Usha Krishnan and S. Bharathan 2000
483			<i>Oedogonium mitratum</i> Hirn	IIT Lake	Chennai		Usha Krishnan and S. Bharathan 2000
484			<i>Oedogonium princeps</i> (Hass) Wittr.	Chetpet lake	Chennai		Usha Krishnan and S. Bharathan 2000
485			<i>Oedogonium sociale</i> Wittr	Stagnant water after	Sengathurai		Sankaran, V. 2002

486			<i>Oedogonium subdepressum</i> Jao	Growing in Pond	Adhliamman Koil, Navamalai	Epiphytic on grass. 400 m above mean sea level	Sankaran, V. 2002
487			<i>Bulbochaete gigantea</i> Pringsh	Pulicat Lake	Near Chennai		Usha Krishnan and S. Bharathan 2000
488			<i>Bulbochaete macrandria</i> Ley	IIT Lake	Chennai		Usha Krishnan and S. Bharathan 2000
489	Chaetophorales	Chaetophoraceae	<i>Chaetophora elegans</i> (Roth) Agardh	Anaimalai hill ranges	Near Coimbatore		Sankaran, V. 2005
490			<i>Chaetophora pisiformis</i> (Roth) Agardh		Pulicat lake		Usha Krishnan and S. Bharathan 2000
491			<i>Stigeoclonium aestivale</i> (Hazen) Collins		Vandalur lake, near Tambaram; Rajakulipettai pond, Chengalpattu		Usha Krishnan and S. Bharathan 2000
492			<i>Stigeoclonium attenuatum</i> Hazen	IIT Lake	Chennai		Usha Krishnan and S. Bharathan 2000
493			<i>Stigeoclonium helveticum</i> Vischer		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
494			<i>Stigeoclonium tenue</i> (Ag) Kuetzing emend Sankaran	Uthukuli near Pollachi			Sankaran, V. 2005
495			<i>Stigeoclonium segarae</i> Islam	Road side ditch	Covelong, Chennai		Nirmala, R. and S. Bharathan 2002
496			<i>Stigeoclonium variabile</i> (Naegeli) Islam	Uthukuli near Pollachi			Sankaran, V. 2005
497			<i>Fritschiella tuberosa</i> Iyengar	Drying paddy-field soil	Vandalur near Chennai		Krishnamurthy, V. 2000
498			<i>Draparnaldiopsis indica</i> Bharadwaja	Attached to stones or leaves of submerged aquatic plants	Vandalur near Chennai		Krishnamurthy, V. 2000
499			<i>Phaeophila dendroides</i> (Crouan) Batters		Krusadai Island	Rare	Krishnamurthy, V. and H. V. Joshi 1971
500			<i>Entocladia viride</i> Reinke		Chennai	Rare	Krishnamurthy, V. and H. V. Joshi 1971
501			<i>Uronema terrestre</i> Mitra	Attached to other filamentous algae and submerged aquatic plants	Cosmopolitan in distribution		Krishnamurthy, V. 2000
502		Aphanochaetaceae	<i>Aphanochaete repens</i> A. Braun	Epiphytic on shells, irrigation tank	Vandalur		Krishnamurthy, V. 2000

503		Schizomeridaeeae	<i>Desmococcus olivaceus</i> (Peraoon et Acharius) J.R. Laundon	In most subaerial situations,	Probably widespread		Krishnamurthy, V. 2000
504	Ctenocladales	Ulvellaceae	<i>Entocladia viridis</i> Reinke	Endophytic in polysiphonia	Adyar estuary, Chennai		Krishnamurthy, V. 2000
505			<i>Entocladia leptochaete</i> (Huber) Burrows	In brackishwater, river	Adyar at Chennai		Krishnamurthy, V. 2000
506			<i>Pseuduvella americana</i> (Snow) Wille	Freshwater - in a pond at Museum	Chennai		Krishnamurthy, V. 2000
507			<i>Pseuduvella americana</i> (Snow) Wille var. <i>indicus</i> Philipose	Freshwater - in a pond at Museum	Chennai		Krishnamurthy, V. 2000
508		Gomontiaceae	<i>Gomontia polyrhiza</i> Bornet et flahault	Growing in shells in the intertidal region of the shore	Mahabalipuram near Chennai		Krishnamurthy, V. 2000
509	Ulvales	Ulvaceae	<i>Enteromorpha clathrata</i> (Roth) Greville	Marine			Krishnamurthy, V. 2000
510			<i>Enteromorpha compressa</i> (Linn.) Nees	Attached to rocks in midlittoral region	Tamil Nadu		Krishnamurthy, V. 2000
511			<i>Enteromorpha compressa</i> var. <i>lingulata</i> (J. Ag.) Hauck	Marine	Chennai		Krishnamurthy, V. and H. V. Joshi 1971
512			<i>Enteromorpha hopkirkii</i> Harvey	Marine	Pamban		Subbaramaiah, K., Nair, V. Krishnamurthy 1977; Subbaramaiah, K. and V. Krishnamurthy, 1975
513			<i>Enteromorpha intermedia</i> Bliding	Stream	Semathur	Found growing in a freshwater stream	Sankaran, V. 2005
514			<i>Enteromorpha intestinalis</i> (L.) Nees	Upper littoral, attached to rock	Rameswaram, Krusadi Island, Tamil Nadu		Krishnamurthy, V. 2000
515			<i>Enteromorpha lingulata</i> J.G. Ag.	In brackishwater,	Buckingham Canal, Mouth of Cooum River, Mouth of Adyar River, Chennai		Krishnamurthy, V. 2000
516			<i>Enteromorpha prolifera</i> (Fig. et De Not.) J. Ag.	Marine	Cape Comorin		Tamil Nadu coast survey (1971)
517			<i>Enteromorpha prolifera</i> var. <i>tubulosa</i> (Kuetz.) Reinb.	Marine	Chennai		Krishnamurthy, V. and H. V. Joshi 1971
518			<i>Enteromorpha salina</i> Kluetzing-Taylor	Marine	Athankarai estuary, near Mandapam		Umamaheswara Rao, M. 2001
519			<i>Ulva beytensis</i> Thivy and Sharma	Marine	Madras Coast, South India; Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971

520			<i>Ulva covelongensis</i> Krishnamurthy and Joshi	Marine	Covelong, near Chennai		Krishnamurthy, V. and H. V. Joshi 1971
521			<i>Ulva fasciata</i> Delle	Marine	Cape Comorin		Krishnamurthy, V. and H. V. Joshi 1971
522			<i>Ulva lactuca</i> L.	In rock pools at lower limits of intertidal zone, smaller plants on open and exposed rock	Tamil Nadu		Krishnamurthy, V. 2000
523			<i>Ulva reticulata</i> Forssk.	Sublittoral to lower littoral, often epiphytic on other algae	Rameswaram, Krusadi Island,		Krishnamurthy, V. 2000
524	Cladophorales	Cladophoraceae	<i>Chaetomorpha antennina</i> (Bony) Kützing	At high-water mark on all rock	All rock coasts in India		Krishnamurthy, V. 2000
525			<i>Chaetomorpha litorea</i> Harvey	Commonly found in brackish water, associated with estuarine region	Mouth of Adyar River, Chennai		Krishnamurthy, V. 2000
526			<i>Chaetomorpha brachygona</i> Harvey	Entangled masses of filaments	Tamil Nadu		Krishnamurthy, V. 2000
527			<i>Cladophorella calcicola</i> Fritsch	Calcareous rock and red brick stones in slow flowing inlet to a reservoir	At Uthukuli, near Pollachi, Tamil Nadu		Krishnamurthy, V. 2000
528			<i>Rhizoclonium fontinale</i> Kützing		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
529			<i>Rhizoclonium tortuosum</i> (Dillwyn) Kützing	Salt marsh	Chennai		Krishnamurthy, V. 2000
530			<i>Rhizoclonium hieroglyphicum</i> (G. Agardh) Kützing	Fresh as well as brackish water	Common on Indian shores		Krishnamurthy, V. 2000
531			<i>Pithophora polymorpha</i> Wittrock	In freshwater localities	Mahabalipuram		Krishnamurthy, V. 2000
532			<i>Cladophora vagabunda</i> (L.) van den Hoek	Intertidal zone, widespread	Tamil Nadu, Chennai harbour		Krishnamurthy, V. 2000
533			<i>Willella ordinata</i> Boergesen	Attached to rock at low-water level	Kanyakumari		Krishnamurthy, V. 2000
534	Trentepohliales	Trentepohliaceae	<i>Gomontia polyrhiza</i> (Lagerh.) Bornet et Flah	Marine	Mahabalipuram, Chennai		Krishnamurthy, V. and H. V. Joshi 1971
535			<i>Trentepohlia aurea</i> (Linn.) Martius	On barks of trees	Nilgiris		Krishnamurthy, V. 2000
536			<i>Trentepohlia abietina</i> (Flotow) Hansg.	On barks of trees	Nilgiris		Krishnamurthy, V. 2000



537			<i>Trentepohlia monili</i> de Wildeman	On a cement signpost, On trunks of <i>Cinchona</i> and <i>Anacardium</i>	At Adyar, Chennai, Nilgiris		Krishnamurthy, V. 2000
538			<i>Trentepohlia monili</i> var. <i>subspherica</i> Nirmala, Premila and Bharathan	On bark of <i>Anacardium</i> , occurring as green or patches	Nilgiris		Krishnamurthy, V. 2000
539			<i>Trentepohlia odorata</i> (Wiggers) Wittrock	On barks of <i>Acacia</i> sp. and on Gymnosperms	Nilgiris		Krishnamurthy, V. 2000
540			<i>Trentepohlia shevaroyensis</i> Chandra	On root buttresses of <i>Grevillea robusta</i> near Yercaud lake	Yercaud		Chandra, S. 2004
541			<i>Phycopeltis arundinacea</i> (Montagne) de Toni	On leaves of various trees	Dodabetta, Nilgiris; Kodaikanal, Palni Hills;		Krishnamurthy, V. 2000
542			<i>Phycopeltis epiphyton</i> Millardet	On leaves of Eucalyptus, various Lauraceae, Bunch palm	Sims Park, Coonoor		Krishnamurthy, V. 2000
543			<i>Phycopeltis lobata</i> Chandra	Epiphyllous on <i>Cymbidium permari</i> and <i>Lilium</i> sp.	Orchidarium, Yercaud		Chandra, S. 2004
544			<i>Phycopeltis proflera</i> Chandra	Epiphyllous on <i>Cymbidium aloefolium</i>	Orchidarium, Yercaud		Chandra, S. 2004
545			<i>Phycopeltis verrucosa</i> Chandra	Orchidarium	Yercaud		Chandra, S. 2004
546	Coleochaetales	Cloeochoetaceae	<i>Coleochaete irregularis</i> Pringsheim	Pollachi		Growing with <i>Cladophora</i>	Sankaran, V. 2005 .
547			<i>Coleochaete pulvinata</i> A. Braun in Kutzing	On aquatic plants in an irrigation tank	At Vandalur		Krishnamurthy, V. 2000
548			<i>Coleochaete scutata</i> Breb	In ponds and lakes	In Tamil Nadu		Krishnamurthy, V. 2000
549	Siphonales	Protosiphonaceae	<i>Derbesia boergesenii</i> (Iyengar and Ramanathan) Mayhoab		Krusadai Island	Rare	Krishnamurthy, V. and H. V. Joshi 1971
550		Bryopsidaceae	<i>Bryopsis corymbosa</i> J. Ag.		Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
551			<i>Bryopsis indica</i> A. and E.S. Gepp		Gulf of Mannar Islands		Tamil Nadu survey 1978
552			<i>Bryopsis pennata</i> Lamour.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
553			<i>Pseudobryopsis pambanensis</i> Iyengar		Pamban		Iyengar, M.O.P. 1984

554		Caulerpaceae	<i>Caulerpa clavifera</i> (Turn.) Ag.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
555			<i>Caulerpa crassifolia</i> (Vahl.) J.Ag.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
556			<i>Caulerpa cupressoides</i> (Vahl.) Ag.		Krusadai island; Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
557			<i>Caulerpa fastigiata</i>		Gulf of Mannar Islands		Tamil Nadu survey, 1978
558			<i>Caulerpa fergusonii</i> Murr.		Krusadai Island; Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
559			<i>Caulerpa freycinetii</i> Ag.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
560			<i>Caulerpa laetevirens</i> Mont		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
561			<i>Caulerpa lessonii</i> Bory		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
562			<i>Caulerpa longistipitata</i> Web. V. Bosse		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
563			<i>Caulerpa mexicana</i> (Sonder) J.Ag.		Krusadai Island, Pamban		Krishnamurthy, V. and H. V. Joshi 1971
564			<i>Caulerpa parvula</i> Sved.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
565			<i>Caulerpa peltata</i> Lamour.		Krusadai Island; Pamban		Krishnamurthy, V. and H. V. Joshi 1971
566			<i>Caulerpa racemosa</i> (Forssk.) Weber v. Bosse		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
567			<i>Caulerpa racemosa</i> var. <i>chemnitzia</i> (Esper) Web. V. Bosse		Krusadai Island, Pamban		Krishnamurthy, V. and H. V. Joshi 1971
568			<i>Caulerpa racemosa</i> var. <i>corynephora</i> (Mont.) Web. Van Bosse		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
569			<i>Caulerpa racemosa</i> var. <i>uvifera</i> Web van Bosse		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
570			<i>Caulerpa scalpelliformis</i> (R.Br.) Web. V. Bosse		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
571			<i>Caulerpa sedoides</i> (R.Br.) Ag.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
572			<i>Caulerpa sertularioides</i> (Gmel.) Howe		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
573			<i>Caulerpa sertularioides</i> f. <i>brevipes</i> (J.Ag.) Sved.		Pamban		Krishnamurthy, V. and H. V. Joshi 1971

574			<i>Caulerpa taxifolia</i> (Vahl.) Ag.		Krusadai Island; Pamban		Krishnamurthy, V. and H. V. Joshi 1971
575			<i>Caulerpa verticillata</i> J.Ag.		Rameswaram ?	Rare	vijaya parthasarathy
576			<i>Caulerpella ambigua</i> (Okamura) Prud'homme	Marine	Challi Island (Gulf of Mannar)		Umamaheswara Rao. M. 2001
577		Codiaceae	<i>Avrainvillea erecta</i> (Berk.) Gepp and Gepp		Chennai; Krusadai Island; Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
578			<i>Chlorodesmis hildenbrandtii</i> A. and E.S. Gepp		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
579			<i>Codium dadhaerens</i>		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
580			<i>Codium arabicum</i> (Kuetzing) ?		Tuticorin (as <i>C. coronatum</i> Setch.)		Krishnamurthy, V. and H. V. Joshi 1971
581			<i>Codium decorticatum</i> (Woodw.) Howe		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
582			<i>Codium geppiorum</i> Schmidt	Marine	Vedalai (cast ashore)	Cast ashore	Umamaheswara Rao. M. 2001
583			<i>Codium latum</i> Sur.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
584			<i>Codium tomentosum</i>	Deep water alga	Alantalai to manapad	at a depth of 13 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996
585		Udoteaceae	<i>Halimeda gracilis</i> Harv. Ex. J. Ag.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
586			<i>Halimeda macroloba</i> Decaisene		Krusadai Island; Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
587			<i>Halimeda tuna</i> (Ell. Et Sol.) Lamour.		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
588			<i>Udotea caribaea</i> Littler & Littler		Devils point, Rameswaram Island		Vijaya parthasarathy, M.D. and V. Krishnamurthy 2000
589			<i>Udotea flabellum</i> (Ellis and Solander) Howe		Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
590			<i>Udotea javensis</i> A. and E.S. Gepp		Krusadai Island; Pamban		Umamaheswara Rao, M. 1968
591	Siphonocladales	Anadyomenaceae	<i>Anadyomenae stellata</i> (Wulfen) C. Agardh	Attached to shaded parts of coral stones, Galaxea reef,	Krusadi Island ,Tamil Nadu		Krishnamurthy, V. 2000

592			<i>Microdictyon tenuis</i> Decaisne ex J.E. Gray	Attached to rocks and coral stones, below low-water level, sometimes free floating	Rameswaram, Krusadai Island, Tuticorin, in TamilNadu		Krishnamurthy, V. 2000
593		Siphonocladaceae	<i>Boergesenia forbesi</i> (Harvey) Feldmann	Commonly found attached to coral stones	Pamban, Islands of the Gulf of Mannar, South India, Tuticorin		Krishnamurthy, V. 2000
594			<i>Struvea anastomosans</i> (Harvey) Piccone and Grunow ex Piccone		Rameswaram, Krusadai Island, Pudumadam, Tuticorin, TamilNadu		Krishnamurthy, V. 2000
595			<i>Struvea tuticorinensis</i> Boergesen	Intertidal zone	Tuticorin		Krishnamurthy, V. 2000
596			<i>Struveopsis covalamensis</i> (Iyengar) Silva	In crevices of rock at Kovalam (Covelong) and Mahabalipuram	Chennai		Krishnamurthy, V. 2000
597			<i>Dictyosphaeria favulosa</i> (Ag.) Decaisne		Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
598		Valoniaceae	<i>Valoniopsis pachynema</i> (Martens) Boergs.		Mandapam; Pudumadam; Cape Comorin.		Krishnamurthy, V. and H. V. Joshi 1971
599			<i>Valonia utricularis</i> (Roth) Ag.		Krusadai Island; Pamban; Rameswaram		Krishnamurthy, V. and H. V. Joshi 1971
600	Dasycladales	Polyphysaceae	<i>Acetabularia parvula</i> Solms-Laubach	On rocky substratum in lower intertidal zone	Krusadai Island, Pamban, TamilNadu		Krishnamurthy, V. 2000
601			<i>Acetabularia calyculus</i> Quoit et Guimard		Krusadai Island; Pamban	Rare	Krishnamurthy, V. and H. V. Joshi 1971
602			<i>Acetabularia moebii</i> Solms-Laubach		Krusadai Island	Rare	Krishnamurthy, V. and H. V. Joshi 1971
603		Dasycladaceae	<i>Neomeris annulata</i> Dickie		Krusadai Island; Palk Bay	Rare	Krishnamurthy, V. and H. V. Joshi 1971
604			<i>Neomeris dumetosa</i> Lamour.		Krusadai Island	Rare	Krishnamurthy, V. and H. V. Joshi 1971
605	Zygnematales	zygnemataceae	<i>Gonatozygon kinahani</i> Rabenhorst	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
606			<i>Netrium digitus</i> (Ehrenbg.) Itzigs and Rothe		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
607			<i>Closterium libellula</i> Focke var. <i>pulneyensis</i> Iyengar et Vimala Bai		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
608			<i>Closterium kutzlingii</i> Breb.		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941

609			<i>Closterium diana</i> Ehrenberg		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
610			<i>Closterium didymolocum</i> Corda		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
611			<i>Pleurotaenium trabecula</i> (Ehreb.) Nageli	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
612			<i>Pleurotaenium minutum</i> Delp. var. <i>gracile</i> Wille	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
613			<i>Pleurotaenium kayei</i> Rabenh.	In a swamp	Kodaikanal		Iyengar, M.O.P. and B. Vimala Bai 1941
614			<i>Pleurotaenium tessellatum</i> (Joshua) Lagerh. var. <i>bulbosum</i> Krieger	In a swamp	Kodaikanal		Iyengar, M.O.P. and B. Vimala Bai 1941
615			<i>Euastrum sinuosum</i> Lenorm.	In a swamp	Kodaikanal		Iyengar, M.O.P. and B. Vimala Bai 1941
616			<i>Micrasterias pinnatifida</i> (Kutz.) Ralfs.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
617			<i>Micrasterias incisa</i> (Breb.) Ralfs. var. <i>wallichiana</i> Turner	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
618			<i>Cosmarium javanicum</i> Nordstet.	Ephytic	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
619			<i>Cosmarium moniliforme</i> f. <i>punctata</i> Lagerh.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
620			<i>Cosmarium moniliforme</i> f. <i>panduriformis</i> Heimerl	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
621			<i>Cosmarium obsoletum</i> (Hantzsch) Reinsch	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
622			<i>Cosmarium globosum</i> Bulnh.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
623			<i>Cosmarium pachydermum</i> var. <i>indicum</i> Iyengar et Vimala Bai	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
624			<i>Xanthidium sexmamillatum</i> var. <i>pulneyensis</i> Iyengar et Vimala Bai	In a swamp	Kodaikanal		Iyengar, M.O.P. and B. Vimala Bai 1941

625			<i>Arthrodesmus subulatus</i> Kutz.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
626			<i>Staurastrum corniculatum</i> var. <i>spinigerum</i> West	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
627			<i>Staurastrum tohopikaligense</i> Wolle.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
628			<i>Staurastrum unicorne</i> v. <i>gracile</i> Iyengar et Vimala Bai	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
629			<i>Staurastrum contectum</i> var. <i>ilnevolutum</i> Turner	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
630			<i>Staurastrum longibrachiatum</i> var. <i>inintermedium</i> Iyengar et Vimala Bai	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
631			<i>Staurastrum retusum</i> var. <i>punctulatum</i> Eichl. And Gutwin.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
632			<i>Staurastrum gladiosum</i> Turner	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
633			<i>Staurastrum furcatum</i> (Ehr..) Breb.	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
634			<i>Staurastrum hexacerum</i> (Ehr.) Wittr.		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
635			<i>Staurastrum columbetoides</i> West and West	Planktonic	Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
636			<i>Staurastrum arachne</i> var. <i>pulneyuensis</i> Iyengar et vimala Bai		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
637			<i>Staurastrum gracile</i> Ralfs		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
638			<i>Triplastrum indicum</i> Iyengar et Ramanathan	Mixed with other algae in a paddy field	Chennai		Iyengar, M.O.P. and K.R. Ramanathan 1942
639			<i>Hyalotheca dissiliens</i> (Sm.) De Breb.		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
640			<i>Desmidium bengalicum</i> Turner		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003

641			<i>Desmidium swartzii</i> Ag.		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
642			<i>Gymnozyga moniliformis</i> Ehrenberg		Kodaikanal Lake		Iyengar, M.O.P. and B. Vimala Bai 1941
643			<i>Mougeotia laetivirens</i> (Braun) Wittr.		Vandalur Lake, near Tambaram		Usha Krishnan and S. Bharathan 2000
644			<i>Mougeotia sphaerocarpa</i> Wolle	Chetpet lake	Chennai		Usha Krishnan and S. Bharathan 2000
645			<i>Zygnema czurdae</i> Randhawa	Floating in paddy field	Sengathurai		Sankaran, V. 2002
646			<i>Zygnema cyaneum</i> Czurda	Maraccanum lake	Chennai		Usha Krishnan and S. Bharathan 2000
647			<i>Spirogyra africana</i> (Fritsch) Czurda	Vandalur lake	Near Tambaram		Usha Krishnan and S. Bharathan 2000
648			<i>Spirogyra communis</i> (Hassal) Kuetz.	Floating	Sengathurai pond; Kodingiyam and Kottur (attached form)		Sankaran, V. 2002
649			<i>Spirogyra flavescens</i> (Hass.) Kuetz.	Floating in a road side ditch	Kadambarai	950 m above mean sea level	Sankaran, V. 2002
650			<i>Spirogyra gallica</i> Petit	Lithophytic	On way to Top slip	500 m above mean sea level	Sankaran, V. 2002
651			<i>Spirogyra hyalina</i> Cleve	Floating in a paddy fields	Ambarampalayam; Anamalai		Sankaran, V. 2002
652			<i>Spirogyra irregularis</i> Nageli	Residential water tank	Singanallur; Oonjavelampatti	Attached form	Sankaran, V. 2002
653			<i>Spirogyra lutetians</i> Petit	Pulicat Lake	Near Chennai		Usha Krishnan and S. Bharathan 2000
654			<i>Spirogyra maravillosa</i> Transeau	In stream	Sholaiyar	950 m above mean sea level	Sankaran, V. 2002
655			<i>Spirogyra microspora</i> Jag	Attakatti	Anamalais Hill ranges, Western Ghats	600 m above mean sea level	Sankaran, V. 2002
656			<i>Spirogyra mirabilis</i> (Hassal) Kuetzing	In a stream	Sholaiyar	950 m above mean sea level	Sankaran, V. 2002
657			<i>Spirogyra randhawae</i> Kilkwitz and Krieger	Vandalur lake	Near Tambaram		Usha Krishnan and S. Bharathan 2000
658			<i>Spirogyra rivularis</i> (Hassal) Rabenhorst	Planktonic	Navamalai; Sengathurai	400 m above mean sea level	Sankaran, V. 2002
659			<i>Spirogyra silivicola</i> Britton	Floating in running water	Thirumoorthis Hills	400 m above mean sea level	Sankaran, V. 2002
660			<i>Spirogyra texensis</i> Taft	Floating in a pond	Sengathurai		Sankaran, V. 2002
661			<i>Sirocladium vandalorensis</i> Randhawa		Vandalur, Tambaram; Chengalpattu		Randhawa, 1959; Ashok Kumar, 1999.

662	Charales	Characeae	<i>Chara braunii</i> Gmelin		Seven Pagodas, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
663			<i>Chara braunii</i> var. <i>coromandelina</i> (A.Br.) Zaneveld		Seven Pagodas, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
664			<i>Chara corallina</i> Wildenow		A.H. Gardens, near Elliot's Beach, Chennai; Govt. Museum, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
665			<i>Chara flaccida</i> Braun		Singaperumal koil, Tilnnanur, Ennore, Guduvancheri, Red IHills tank, Vandalur		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
666			<i>Chara gymnopitys</i> Braun		Vandalur, Adayar, Tirukalikundram		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
667			<i>Chara hydropitys</i> Reich		Coimbatore, Vandalur, Adyar, Silngaperumal Koil, Tirukalikundram		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
668			<i>Chara hydropitys</i> var. <i>indica</i> A. Braun f. <i>minor</i> A. Braun		Tirukalikundram		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
669			<i>Chara hydropitys</i> var. <i>indica</i> A. Braun f. <i>major</i> A. Br,	In a paddy field drain	Singaperumal Koil		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
670			<i>Chara hydropitys</i> var. <i>indica</i> A. Braun f. <i>plumosa</i> Sundaralingam		Seven Pagodas, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
671			<i>Chara nuda</i> Pal		Singaperumal Koil		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
672			<i>Chara vandalorensis</i> Sundaralingam	In a pool	Vandalur		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
673			<i>Chara zeylanica</i> Wildenow		Red Hills, Guduvancheri, ingaperumal Koil tank, Tiruvellore, Tinnanur, Chingleput, andalur, Klrusadai Island, Pamban		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
674			<i>Chara zeylanica</i> f. <i>macilenta</i> (A.Br.) Sundaralingam		Vandalur, Singaperumal koil, Guduvancheri		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
675			<i>Chara zeylanica</i> f. <i>incostans</i> (Kuetz.) Groves H. and J.		Vandalur, Tiruvellore		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962



676			<i>Chara zeylanica f. hildebrandtiana</i> (A.Br.) Sundaralingam	In a pond	Chepauk, Chennai; Pamban		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
677			<i>Chara zeylanica f. humboldtii</i> (Kuetz.) Groves H. and J.		Red Hills, Chepauk, Klrusadai Island, Chingleput lake,		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
678			<i>Chara zeylanica f. curassavica</i> (A.Br.) Groves H. and J.		Adayar River; Red Hills		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
679			<i>Nitella acuminata</i> A. Braun		Ootacamund, Nilgiris		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
680			<i>Nitella annamalaiensis</i> Subramanian (Latin diagnosis not given)		Sathamangalam (Virudhachalam taluk)		Subramanian, D. 2000
681			<i>Nitella flexilis</i> (L.) Ag.em Subramanian		Sathamangalam (Virudhachalam taluk)		Subramanian, D. 2000
682			<i>Nitella pseudoflabellata</i> Braun		Elliot's Beach, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
683			<i>Nitella wattii</i> Groves		Vandalur, Kanchipuram district; Adayar, Guduvancheri		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
684			<i>Nitella oligospira</i> Br.		Teyanampet, Chennai; Vandalur, Kanchipuram district, Seven Pagodas		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
685			<i>Nitella furcata</i> (Roxburgh apud Bruzelius) Agardh		Adayar, Egmore (Chennai); Vandalur, Kanchipuram district		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
686			<i>Nitella furcata var. roxburghii</i> (Braun) Zaneveld		Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
687			<i>Nitella mucronata</i> (Br.) Miquel		A.H. Gardens, Chennai		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
688			<i>Nitella myriotrilchia sub sp. incurvata</i> Subramaniam	In the drains of paddy field	Gummidipoondi		Subramanian 1999
689			<i>Nitella myriotrilchia sub sp. acuminata</i> Subramaniam	In the drains of paddy field	Gummidipoondi		Subramanian 1999
690			<i>Nitella tenuissima</i> (Desv.) Kutz.		Vandalur, Kanchipuram district;		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962

691			<i>Nitella hyalina</i> (De Cond.) Agardh		Nilgiris hills; Egmore, Sriperumbudur, Vandalur, Chingelpet, Red Hills, Guduvanchiri		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
692			<i>Nitella terrestris</i> Iyengar	On moist grounds	Kodambakkam, Singaperumalkoil, Vandalur, Mahabalipuram		Pal, B.P., B.C. Kundu, V.S. Sundaralingam and G.S. Venkataraman 1962
693			<i>Tolypella intricata em var. dispersa</i> Subramaniam	In the drains of paddy field	Gummidipoondi		Subramanian 1999
694	Euglenales	Euglenaceae	<i>Euglena pringsheimii</i> Iyengar	In a temporary rain water pool	Nungambakkam, Chennai		Iyengar, M.O.P. 1962
695	Phaeothamniales (Chrysophyceae)	Chrysocapsaceae	<i>Krishnamurthya shevarayensis</i> Chandra	On the leaves of <i>Utricularia</i> sp. In a pond at Manjakuttai	Yercaud		Chandra, S. 2004
696	Centrales (Freshwater)	Coscinodiscaceae	<i>Melosira distans</i> (Ehr.) Kuetz.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
697			<i>Melosira sulcata</i> (Ehr.) Kuetzing	Marine plankton	Off Chennai		Subrahmanyam, R. 1946
698	Pennales	Fragilariaceae	<i>Fragilaria brevistriata</i> Grun. f. <i>elongata</i> Venkataraman	Yercaud lake	Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
699			<i>Fragilaria capuciana var. courtallensis</i> Krishnamurthy	Hill stream	Courtallum		Krishnamurthy, V. 1954
700			<i>Fragilaria construens</i> (Ehr.) Grun.	Pond	Ootacamund		Krishnamurthy, V. 1954
701			<i>Synedra acus</i> Kutz.	Storage tank	Triplicane, Chemmao		Krishnamurthy, V. 1954
702			<i>Synedra rumpens</i> Kutz.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
703			<i>Synedra rumpens v. familiaris</i> (Kuetz.) Grun.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
704			<i>Synedra ulna</i> (Nitzsch) Ehr. v. <i>oxyrhyncus</i> (Kuetz.) van Heurck		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
705		Eunotiaceae	<i>Eunotia monodon</i> Ehr. v. <i>major</i> W. Sm.	Well	Triplicane, Chennai	Attached to <i>Cladophora</i>	Krishnamurthy, V. 1954
706			<i>Eunotia diodon</i> Ehr.	Rain water pool	Elliot's Beach, Chennai		Krishnamurthy, V. 1954
707			<i>Eunotia gracilis</i> (Ehr.) Raben.	River Cooum	Chennai		Krishnamurthy, V. 1954

708			<i>Eunotia sibirica</i> Cleve	River Cooum	Chennai		Krishnamurthy, V. 1954
709		Achnantheaceae	<i>Achnanthes minutissima</i> Kuetz.	Garden pond	Presidency College, Chennai		Krishnamurthy, V. 1954
710			<i>Achnanthes affinis</i> Grun.	Hill stream	Kodaikanal		Krishnamurthy, V. 1954
711		Naviculaceae	<i>Caloneis bacillum</i> (Grun.) Mereschkowsky	Rain water pool	Triplicane, Madras; Vandalore, near Tambaram		Krishnamurthy, V. 1954
712			<i>Caloneis schumanniana v. biconstricta</i> Grun. f. <i>interrupta</i> Krishnamurthy	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
713			<i>Neidium bisulcatum</i> (Lagerstedt) Cleve	Rain water pool	Elliot's Beach, Chennai		Krishnamurthy, V. 1954
714			<i>Neidium productum</i> (W.Sm.) Cleve	Pond	Botanical gardens, Ootacamund		Krishnamurthy, V. 1954
715			<i>Diploneis puella</i> (Schum.) Cleve	Well	Triplicane, Chennai	Attached to <i>Cladophora</i>	Krishnamurthy, V. 1954
716			<i>Stauroneis anceps</i> Ehr.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
717			<i>Navicula cuspidata f. indica</i> Krishnamurthy	Pond	Chetput, Chennai		Krishnamurthy, V. 1954
718			<i>Navicula spicula v. pulneyensis</i> Krishnamurthy	Hill stream	Kodaikanal		Krishnamurthy, V. 1954
719			<i>Navicula inflata</i> Donk.	Pond	Ootacamund		Krishnamurthy, V. 1954
720			<i>Navicula cryptocephala v. veneta</i> (Kutz.) Grun.	Rain water pool	Triplicane, Chennai		Krishnamurthy, V. 1954
721			<i>Navicula lanceolata v. tenella</i> A.S.	Pond	Ootacamund		Krishnamurthy, V. 1954
722			<i>Pinnularia braunii</i> (Grun.) Cleve		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
723			<i>Pinnularia gibba</i> Ehr.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
724			<i>Pinnularia modesta</i> Grun.	Gravel pool	Vandalur, near Tambaram		Krishnamurthy, V. 1954
725			<i>Pinnularia viridis</i> (Nitzsch) Ehr.		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
726			<i>Pinnularia viridis v. intermedia</i> Cleve	Rain water pool	Elliot's Beach, Chennai		Krishnamurthy, V. 1954
727			<i>Amphora veneta</i> (Kuetz.) Hust.	Beach pool	Triplicane, Chennai		Krishnamurthy, V. 1954

728			<i>Cymbella cistula</i> (Hemp.) Grun.				Krishnamurthy, V. 1954
729			<i>Cymbella reinhardtii</i> Grun.	Gravel pool	Vandalur, near Tambaram		Krishnamurthy, V. 1954
730			<i>Cymbella amphicephala</i> Naegeli	Pond	Presidency College, Chennai		Krishnamurthy, V. 1954
731			<i>Cymbella ventricosa</i> Kuetz.	Storage tank	Triplicane Post Office, Chennai		Krishnamurthy, V. 1954
732			<i>Cymbella ventricosa v. depressa</i> Krishnamurthy	Pond	Presidency College, Chennai		Krishnamurthy, V. 1954
733			<i>Gomphonema sphaerophorum</i> Ehr.	Upper reaches	River Adyar, Chennai		Krishnamurthy, V. 1954
734			<i>Gomphonema macropunctatum</i> Krishnamurthy	Gravel pool	Vandalur, near Tambaram		Krishnamurthy, V. 1954
735			<i>Gomphonema angustatum v. producta</i> Grun.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
736			<i>Gomphonema intricatum</i> Kuetz.	Pond	Botanical gardens, Ootacamund		Krishnamurthy, V. 1954
737			<i>Gomphonema gracile v. lanceolata</i> (Kuetz.) Cleve	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
738			<i>Gomphonema tergestinum</i> (Grun.) Fricke	Upper reaches	River Adyar, Chennai		Krishnamurthy, V. 1954
739			<i>Gomphonema longiceps v. subclavata</i> Grun.	Well	Triplicane, Chennai	Attached to <i>Cladophora</i>	Krishnamurthy, V. 1954
740			<i>Gomphonema acuminatum v. turris</i> Ehr.	Pond	Presidency College and River Cooum, Chennai		Krishnamurthy, V. 1954
741			<i>Gomphonema olivaceum</i> (Lyngbye) Kuetz.	Rain water pool	Triplicane, Chennai		Krishnamurthy, V. 1954
742			<i>Gomphonema olivaceum v. calcarea</i> Cleve	Hill stream	Kodaikanal		Krishnamurthy, V. 1954
743			<i>Gomphonema abbreviatum f. minor</i> Krishnamurthy	Hill stream	Kodaikanal		Krishnamurthy, V. 1954
744			<i>Gomphonema abbreviatum v. pulneyensis</i> Krishnamurthy	Hill stream	Kodaikanal		Krishnamurthy, V. 1954

745		Epithemiaceae	<i>Rhopalodia parallella</i> (Grun.) O.Muller	Hill stream	Kodaikanal		Krishnamurthy, V. 1954
746		Nitzschiaceae	<i>Hantzschia amphioxys f. capitata</i> O. Mull.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
747			<i>Nitzschia closterium</i> (Ehr.) W. Smith		Yercaud		Chandra, S., M.D. Vijaya Parthasarathy, R. Rangarajan and V. Krishnamurthy 2003
748			<i>Nitzschia tryblionella v. debilis</i> (Arnott) A. Meyer	Rain water pool	Triplicane, Chennai		Krishnamurthy, V. 1954
749			<i>Nitzschia scalaris</i> (Ehr.) W. Sm.	River Cooum	Aminjikarai, Chennai		Krishnamurthy, V. 1954
750			<i>Nitzschia recta</i> Hantzsch	Storage tank	Triplicane Post Office, Chennai		Krishnamurthy, V. 1954
751			<i>Nitzschia microcephala</i> Grun.	River Cooum	Aminjikarai, Chennai		Krishnamurthy, V. 1954
752			<i>Nitzschia fonticola</i> Grun.	Rain water pool	Triplicane, Chennai		Krishnamurthy, V. 1954
753			<i>Nitzschia sigma</i> (Kuetz.) W. Sm.	River Cooum	Aminjikarai, Chennai		Krishnamurthy, V. 1954
754			<i>Suirella linearis</i> W. Sm.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
755			<i>Suirella robusta v. splendida</i> (Ehr.) V.K.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
756			<i>Suirella angustata v. constricta</i> Hust.	Irrigation tank	Vandalur, near Tambaram		Krishnamurthy, V. 1954
757	Centrales (Marine)	Coscinodiscaeae	<i>Melosira sulcata</i> (Ehrenberg) Kuetzing	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
758			<i>Melosira granulata</i> (Ehr.) Ralfs. v. <i>angustissima</i> Mueller	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
759			<i>Podosira montagnei</i> Kuetzing	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
760			<i>Pyxidicula minuta</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
761			<i>Stephanopyxis turris</i> (Grev. Et Arn.) Ralfs.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
762			<i>Stephanopyxis palmeriana</i> (Greville) Grunow.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
763			<i>Skeletonema costatum</i> (Greville) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

764			<i>Thalassiosira decipiens</i> (Grunow) Jorgenson	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
765			<i>Thalassiosira coramandeliana</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
766			<i>Thalassiosira subtilis</i> (Ostenfeld) Gran	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
767			<i>Cyclotella meneghiniana</i> Kuetzing	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
768			<i>Cyclotella striata</i> (Kuetzing) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
769			<i>Coscinodiscus excentricus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
770			<i>Coscinodiscus excentricus v.</i> <i>fasciculata</i> Hustedt.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
771			<i>Coscinodiscus lineatus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
772			<i>Coscinodiscus sub-lineatus</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
773			<i>Coscinodiscus rothii</i> (Ehrenberg) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
774			<i>Coscinodiscus marginatus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
775			<i>Coscinodiscus granii</i> Gough	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
776			<i>Coscinodiscus granii v.</i> <i>aralensis</i> (Ostenf.) Hustedt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
777			<i>Coscinodiscus jonestanus</i> (Greville) Ostenfeld	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
778			<i>Coscinodiscus jonesianus v.</i> <i>commutata</i> (Grun.) Hustedt.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
779			<i>Coscinodiscus concinnus</i> Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
780			<i>Coscinodiscus centralis</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

781			<i>Coscinodiscus perforatus</i> var. <i>parvillardii</i> (Forti) Hustedt.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
782			<i>Coscinodiscus apiculatus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
783			<i>Coscinodiscus asteromphalus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
784			<i>Coscinodiscus oculus-iridis</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
785			<i>Coscinodiscus oculus-iridis</i> v. <i>borealis</i> (Bailey) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
786			<i>Coscinodiscus gigas</i> Ehrenberg. V. <i>proetexta</i> (Janish) Hustedt.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
787			<i>Coscinodiscus janischii</i> Schmidt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
788			<i>Planktoniella sol</i> (Wallich) Schutt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
789			<i>Actinoptychus undulatus</i> (Bailey) Ralfs	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
790			<i>Asteromphalus flabellatus</i> (Brebisson) Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
791			<i>Asteromphalus cleveanus</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
792			<i>Asteromphalus wyvillei</i> Castracne	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
793			<i>Gossieriella tropica</i> Schutt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
794			<i>Aulacodiscus orbiculatus</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
795			<i>Auliscus sculptus</i> (Smith) Ralfs.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
796			<i>Actinocyclus ehrenbergii</i> Ralfs	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
797			<i>Corethron hystrix</i> Hensen	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
798			<i>Corethron inerme</i> Karsten	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
799			<i>Lauderia annulata</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

800			<i>Schroederella delicatula</i> (Peragallo) Pavillard	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
801			<i>Leptocylindrus danicus</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
802			<i>Leptocylindrus minimus</i> Gran	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
803			<i>Guinardia flaccida</i> (Castracane) Peragallo	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
804			<i>Rhizosolenia cylindrus</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
805			<i>Rhizosolenia stouterfothii</i> Peragallo	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
806			<i>Rhizosolenia robusta</i> Norman	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
807			<i>Rhizosolenia imbricata</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
808			<i>Rhizosolenia styliromis</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
809			<i>Rhizosolenia styliformis</i> v. <i>longispina</i> Husted	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
810			<i>Rhizosolenia styliformis</i> v. <i>lattissima</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
811			<i>Rhizosolenia setigera</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
812			<i>Rhizosolenia bebetata</i> (Bailey) Gran	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
813			<i>Rhizosolenia crassispina</i> Schroeder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
814			<i>Rhizosolenia alata</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
815			<i>Rhizosolenia alata</i> Brightwell f. <i>gracillima</i> (Cleve) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
816			<i>Rhizosolenia alata</i> f. <i>indica</i> (Peragallo) Ostenfeld	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946



817			<i>Rhizosolenia castracanet v. rhomboidea</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
818			<i>Bacteriastrium delicatulum</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
819			<i>Bacteriastrium hyalinum</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
820			<i>Bacteriastrium hyalinum v. princeps</i> (Castracane) Ikari	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
821			<i>Bacteroastri varoams</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
822			<i>Bacteriastrium elegans</i> Pavillard	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
823			<i>Bacteriastrium cosmosum</i> Pavillard	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
824			<i>Chaetoceros eibenii</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
825			<i>Chaetoceros coarctatus</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
826			<i>Chaetoceros denticulatum</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
827			<i>Chaetoceros peruvianus</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
828			<i>Chaetoceros peruvianus f. robusta</i> (Cleve) Hustedt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
829			<i>Chaetoceros lorenzianus</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
830			<i>Chaetoceros cellululosus</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
831			<i>Chaetoceros indicus</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
832			<i>Chaetoceros lauderi</i> Ralfs	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
833			<i>Chaetoceros compressus</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
834			<i>Chaetoceros didymus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

835			<i>Chaetoceros didymus v. protuberans</i> (Lauder) Gran et Gendo	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
836			<i>Chaetoceros didymus v. heterosetoides</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
837			<i>Chaetoceros van Heurckii</i> Gran.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
838			<i>Chaetoceros affinis</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
839			<i>Chaetoceros affinis v. intermedius</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
840			<i>Chaetoceros paradoxum</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
841			<i>Chaetoceros lascinosus</i> Schutt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
842			<i>Chaetoceros pelagicus</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
843			<i>Chaetoceros holsaticus</i> Schutt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
844			<i>Chaetoceros divbersus</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
845			<i>Chaetoceros messanensis</i> Castracane	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
846			<i>Chaetoceros wighami</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
847			<i>Chaetoceros curvisetus</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
848			<i>Chaetoceros socialis</i> Lauder	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
849			<i>Eucampia zoodiacus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
850			<i>Eucampia cornuta</i> (Cleve) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
851			<i>Climacodium frauenfeldianum</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
852			<i>Streptotheca indica</i> Karsten	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

853			<i>Bellarochea malleus</i> (Brightwell) Van Heurck	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
854			<i>Ditylum brightwellii</i> (West) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
855			<i>Ditylum sol</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
856			<i>Lithodesmium undulatum</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
857			<i>Triceratium favus</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
858			<i>Triceratium robertsonianum</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
859			<i>Triceratium dubium</i> Brightwell	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
860			<i>Triceratium reticulum</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
861			<i>Triceratium alternans</i> Bailey	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
862			<i>Biddulphia pulchella</i> Gray	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
863			<i>Biddulphia sinensis</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
864			<i>Biddulphia mobiliensis</i> Bailey	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
865			<i>Biddulphia heteroceros</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
866			<i>Biddulphia rhombus</i> (Ehrenberg) Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
867			<i>Biddulphia longicrurus</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
868			<i>Isthemia enervis</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
869			<i>Cerataulina bergonii</i> Peragallo	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
870			<i>Gemialulus sinensis</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

871			<i>Hemidiscus hardmannianus</i> (Greville) Mann.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
872	Pennales	Fragilarioideae	<i>Rhabdonema mirificum</i> Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
873			<i>Striatella delicatula</i> (Kuetzing) Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
874			<i>Grammatophora undulata</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
875			<i>Licomphora abbreviata</i> Agardh	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
876			<i>Climacosphenia moniligera</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
877			<i>Climacosphenia elongata</i> Bailey	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
878			<i>Fragilaria oceanica</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
879			<i>Rhaphoneis ampiceros</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
880			<i>Rhaphoneis discoides</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
881			<i>Synedra formosa</i> Hantzsch	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
882			<i>Thalassionema nitzschioides</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
883			<i>Thalassiothrix longissima</i> Cleve and Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
884			<i>Thalassiothrix frauenfeldii</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
885			<i>Asterionella japonica</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
886		Achnantheoideae	<i>Cocconeis sigmoides</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
887			<i>Cocconeis littoralis</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
888			<i>Achnanthes siramii</i> Hustedt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
889			<i>Mastogloia exilis</i> Hustedt	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
890			<i>Mastogloia minuta</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

891			<i>Gyrosigma balticum</i> (Ehrenberg) Rabenhorst	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
892			<i>Pleurosigma galapagense</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
893			<i>Pleurosigma elongatum</i> Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
894			<i>Pleurosigma normanii</i> Ralfs.	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
895			<i>Pleurosigma angulatum</i> (Qaekett) Smith v. <i>strigosa</i> (Smith) van Heurck	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
896			<i>Pleurosigma aestuarii</i> Brebisson	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
897			<i>Pleurosigma carinatum</i> Donkin	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
898			<i>Pleurosigma directum</i> v. <i>membranacea</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
899			<i>Caloneis madraspatensis</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
900			<i>Diploneis weissflogii</i> (Schmidt) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
901			<i>Diploneis puella</i> (Schumann) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
902			<i>Diploneis fusca</i> v. <i>sub-</i> <i>rectangularis</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
903			<i>Diploneis smithii</i> (Brebisson) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
904			<i>Diploneis robustus</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
905			<i>Navicula longa</i> (Gregory) Ralfs	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
906			<i>Navicula hennedyii</i> Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
907			<i>Navicula hennedyii</i> v. <i>nebulosa</i> (Gregory) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
908			<i>Navicula forcipata</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946

909			<i>Navicula clavata</i> Gregory	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
910			<i>Pinnularia alpina</i> Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
911			<i>Trachyneis aspera</i> v. <i>genuina</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
912			<i>Trachyneis antillarum</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
913			<i>Amphiprora gigantea</i> v. <i>sulcata</i> (O'Meara) Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
914			<i>Tropidoneis semistriata</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
915			<i>Amphora lineolata</i> Ehrenberg	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
916			<i>Amphora decussata</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
917			<i>Amphora ostrearia</i> Brebisson	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
918			<i>Cymbella marina</i> Castracane	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
919			<i>Bacillaria paradoxa</i> Gmelin	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
920			<i>Nitzschia panduriformis</i> v. <i>continua</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
921			<i>Nitzschia vitrea</i> Norman	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
922			<i>Nitzschia sigma</i> v. <i>indica</i> Karsten	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
923			<i>Nitzschia closterium</i> (Ehrenberg) Smith	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
924			<i>Nitzschia longissima</i> (Brebisson) Ralfs	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
925			<i>Nitzschia seriata</i> Cleve	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
926			<i>Surirella fluminensis</i> Grunow	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
927			<i>Surirella eximia</i> Greville	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
928			<i>Campylodiscus iyengarii</i> Subramanian	Bay of Bengal	Off Madras		Subrahmanyam, R. 1946
929	Ectocarpales	Ectocarpaceae	<i>Bachelotia antillarum</i> (Gruenow) Gerloff	Marine	Cape Comorin		Baluswami, M. 1986

930			<i>Ectocarpus arabicus</i> Fig. et Denot.	Marine	Pamban		Krishnamurthy, V. and H. V. Joshi 1971
931			<i>Ectocarpus breviarticulatus</i> J. Agardh	Marine	Mahabalipuram	Endemic	Krishnamurthy, V. and H. V. Joshi 1971
932			<i>Feldmannia indica</i> (Sonder) Womersley and Bailey	Marine	Mahabalipuram		Krishnamurthy, V. and H. V. Joshi 1971
933			<i>Feldmannia kanyakumariensis</i> Krishnamurthy and Baluswami	Marine			Krishnamurthy, V. and M. Baluswami 1982
934			<i>Feldmannia irregularis</i> (Kuetzing) Hamel	Marine	Pamban		Krishnamurthy, V. and H. V. Joshi 1971
935			<i>Hinckesia mitchelliae</i> (Harv.) Hamel	Marine	Pamban; Mahabalipuram; Kovalam near Chennai		Krishnamurthy, V. and H. V. Joshi 1971
936			<i>Streblonema turmale</i> Boergsen	Marine	Mahabalipuram		Krishnamurthy, V. and H. V. Joshi 1971
937		Ralfsiaceae	<i>Ralfsia expansa</i> (J.Ag.) J.Ag.	Marine	Pudumadam	Endemic	Baluswami, M. 1986
938	Sphacelariales	Sphacelariaceae	<i>Sphacelaria furcigera</i> Kuetzing	Marine	Krusadai Islands; Kovalam; Tuticorin, Idinthakarai, Cape Comorin, Pudumadam,		Krishnamurthy, V. and H. V. Joshi 1971; Baluswami, M. 1986
939			<i>Sphacelaria kovalamensis</i> Krishnamurthy and Baluswami	Marine			Krishnamurthy, V. and M. Baluswami 1988
940			<i>Sphacelaria novae-hollandiae</i> Sonder	Marine			Krishnamurthy, 1992
941			<i>Sphacelaria tribuloides</i> Meneghini	Marine	Mahabalipuram; Thiruchendur; Tuticorin; Pudumadam.		Krishnamurthy, V. and H. V. Joshi 1971 ; Baluswami, M. 1986.
942	Dictyotales	Dictyotaceae	<i>Dictyopteris australis</i> Sonder	Marine	Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
943			<i>Dictyopteris delicatula</i> Lamour.	Marine	Cape Comorin; Pamban; Tuticorin; Tiruchendur; Idinthakarai.		Krishnamurthy, V. and H. V. Joshi 1971; Baluswami, M. 1986
944			<i>Dictyopteris muelleri</i> (Sonder) Web. V. Bosse	Marine	Tuticorin		Krishnamurthy, V. and H. V. Joshi 1971
945			<i>Dictyopteris woodwardii</i> (Brown) J. Ag.	Marine	Krusadai Islands; Kovalam		Krishnamurthy, V. and H. V. Joshi 1971

946			<i>Dictyota bartayresiana</i> Lamour.	Marine	Krusadai Islands; Pamban		Krishnamurthy, V. and H. V. Joshi 1971
947			<i>Dictyota ceylanica</i> Kuetzing	Marine	Mandapam (Gulf of Mannar side)		Umamaheswara Rao, M. 2001
948			<i>Dictyota dichotoma</i> (Huds.) Lamour.	Marine	Tuticorin; Pudumadam; Mandapam; Thiruchendur; Rameswaram; Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971; Baluswami, M. 1986
949			<i>Dictyota fasciola</i> (Roth.) Lamx.	Marine	Pudumadam		Baluswami, M. 1986
950			<i>Dictyota maxima</i>	Marine, deep water form	Alantalai to manapad	at a depth of 13 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996
951			<i>Lobophora indica</i> (Umamaheswara Rao) Krishnamurthy and Baluswami		Mandapam, Nallatanni Island near Kilakkarai; Krusadai Island		Krishnamurthy, V. and M. Baluswami 2000
952			<i>Lobophora variegata</i> (Lamour.) Womersley ex Oliveira	Marine	Tuticorin; Pamban; Krusadai Island		Krishnamurthy, V. and H. V. Joshi 1971
953			<i>Lobophora nigrescens</i> J. Agardh	Marine	Mandapam		Rengasamy, R. 1985
954			<i>Padina boergesenii</i> Allender and Kraft	Marine	Tuticorin; Mandapam; Pudumadam, Krusadai Island; Pamban		Krishnamurthy, V. and H. V. Joshi 1971; Baluswami, M. 1986
955			<i>Padina distromatica</i> Hauck	Marine			Rengasamy, R. 1987
956			<i>Padina glabra</i> Gaillard	Marine			Rengasamy, R. and N. Anand, 1986
957			<i>Padina tetrastrumatica</i> Hauck.	Marine	Cape Comorin; Mahabalipuram; Tuticorin; Krusadai Island;		Krishnamurthy, V. and H.V. Joshi 1971; Baluswami, M. 1986
958			<i>Spatoglossum asperum</i> J. Ag.	Marine	Krusadai Island; Tuticorin; Thiruchendur; Mandapam; Cape Comorin;		Krishnamurthy, V. and H.V. Joshi 1971; Baluswami, M. 1986
959			<i>Stoechospermum marginatum</i> (Ag.) Kuetz.	Marine	Tuticorin; Pudumadam; Cape Comorin; Mandapam, Krusadai Island;		Krishnamurthy, V. and H.V. Joshi 1971; Baluswami, M. 1986
960	Chordariales	Myrionemataceae	<i>Hamelella dermonematis</i> (Boergesen) Srinivasan	Marine	Cape Comorin	On <i>Dermonema frapperi</i>	Krishnamurthy, V. and H.V. Joshi 1971; Baluswami, M. 1986
961			<i>Hamelella geminifructus</i> (Boergesen) Srinivasan	Marine	Mahabalipuram		Krishnamurthy, V. and H.V. Joshi 1971
962			<i>Hecatonema sargassicola</i> Boergs.	Marine	Cape Comorin		Krishnamurthy, V. and H.V. Joshi 1971; Baluswami, M. 1986



963			<i>Hecatonema terminale</i> (Kuetz.) Kylin	Marine	Pamban		Krishnamurthy, V. and H.V. Joshi 1971
964		Chordariaceae	<i>Levringia boergeseni</i> Kylin	Marine	Cape Comorin		Krishnamurthy, V. and H.V. Joshi 1971
965	Scytosiphonales	Scytosiphonaceae	<i>Colpomenia sinuosa</i> Derb. et Sol.	Marine	Tuticorin; Idinthakarai		Krishnamurthy, V. and H.V. Joshi 1971
966			<i>Hydroclathrus clathratus</i> (C.Ag.) Dwarka	Marine	Pamban		Baluswami, M. (personal collection)
967			<i>Iyengaria stellata</i> (Boergs.) Boergs.	Marine	Krusadai Island		Krishnamurthy, V. and H.V. Joshi 1971
968			<i>Rosenvingea intricata</i> (J.Ag.) Boergs.	Marine	Tuticorin; Chennai; Muttukadu		Krishnamurthy, V. and H.V. Joshi 1971
969			<i>Rosenvingea orientalis</i> (J.Ag.) Boergesen	Marine	Tuticorin; Krusadai Island		Krishnamurthy, V. and H.V. Joshi 1971
970		Chnoosporaceae	<i>Chnoospora bicanaliculata</i> Krishnamurthy and Thomas	Marine	Cape Comorin		Krishnamurthy, V. and P.C. Thomas
971			<i>Chnoospora fastigiata</i> J.Ag.	Marine	Cape Comorin		Krishnamurthy, V. and H.V. Joshi 1971
972			<i>Chnoospora implexa</i> (Her.) J.Ag.	Marine	Tuticorin		Krishnamurthy, V. and H.V. Joshi 1971
973	Fucales	Cystoseiraceae	<i>Cystoseira trinodis</i> (Forsskal) C.Ag.	Marine	Krusadai Island; Tuticorin		Krishnamurthy, V. and H.V. Joshi 1971
974			<i>Hormophysa cuneiformis</i> (Gmelin) Silva	Marine	Tuticorin; Idinthakarai		Krishnamurthy, V. and H.V. Joshi 1971
975		Sargassaceae	<i>Sargassum acinaria</i> L.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
976			<i>Sargassum aquifolium</i> (Turn.) C. Ag.	Marine	Pamban, Tuticorin, Cape Comorin, Chennai		Krishnamurthy, V. and H.V. Joshi 1971
977			<i>Sargassum bacciferum</i> (Turn.) Agardh	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
978			<i>Sargassum cervicorne</i> Greville	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
979			<i>Sargassum cinctum</i> J. Ag.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
980			<i>Sargassum concinnum</i> Greville	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
981			<i>Sargassum coriifolium</i> var. <i>echinocarpa</i> (Grev.) Gruenow	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971

982			<i>Sargassum densifolium</i> Zanardini	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
983			<i>Sargassum ilicifolium</i> (Turn.) J.Ag.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
984			<i>Sargassum myriocystum</i> J. Ag.	Marine	Pamban		Krishnamurthy, V. and H.V. Joshi 1971
985			<i>Sargassum oligocystum</i> Mont	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
986			<i>Sargassum parvifolium</i> (Turn.) J. Ag.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
987			<i>Sargassum plagiophyllum</i>	Marine-deep water form	Region between Vembar and Nallatanni Tivu	At a depth of 8 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996
988			<i>Sargassum polycystum</i> Ag.	Marine	Chennai		Krishnamurthy, V. and H. V. Joshi 1971
989			<i>Sargassum tenerimum</i> J. Agardh		Uvari	Thirunelveli district	Krishnamurthy, V. and R. Ezhili 2000
990			<i>Sargassum virgatum</i> (Mert.) Ag.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
991			<i>Sargassum vulgare</i> C.Ag.	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
992			<i>Sargassum wightii</i> Greville	Marine	Chennai		Krishnamurthy, V. and H.V. Joshi 1971
993			<i>Turbinaria conoides</i> (J.Ag.) Kuetz.	Marine	Pamban; Krusadai Island		Krishnamurthy, V. and H.V. Joshi 1971
994			<i>Turbinaria conoides</i> var. <i>conoides</i> Taylor f. <i>laticuspidata</i> Taylor	Marine	Tuticorin		Krishnamurthy, V. and H.V. Joshi 1971
995			<i>Turbinaria ornata</i> f. <i>ecoronata</i> Taylor	Marine	Palk Bay, Rameswaram, Ola Koda		Krishnamurthy, V. and H.V. Joshi 1971
996			<i>Turbinaria trialata</i> Kuetz.	Marine	Mannar; Chennai		Krishnamurthy, V. and H.V. Joshi 1971
997	Porphyridiales	Porphyridiaceae	<i>Chroothece richteriana</i> Hansgirg	On moist walls of an irrigation well	A.H.Gardens, Teyhnampet, Chennai		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
998	Goniotrichales	Goniotrichaceae	<i>Bangiopsis dumontioides</i> (Crouan) Krishnamurthy	Marine, Growing on other algae	Mahabalipuram (Seven Pagodas)		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
999			<i>Bangiopsis subsimplex</i> (Montagne) Schmitz in Schmitz & Hauptfleisch	Marine, Growing on other algae	Mahabalipuram		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1000			<i>Goniotrichum elegans</i> (Chauv.) Zanardini	Marine, Growing on other algae	Tuticorin, Mandapam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990

1001	Erythropeltidales	Erythropeltidaceae	<i>Erythrocladia irregularis</i> Rosenv.	Epiphytic on larger algae	Mahabalipuram	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1002			<i>Erythrocladia subintegra</i> Rosenvinge	On <i>Chaetomorpha media</i>	Mahabalipuram, Chennai, Cape Comorin, Pamban, Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1003			<i>Erythrotrichia carnea</i> (Dillw.) J. Ag.	On <i>Spathoglossum asperum</i>	Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1004	Compsopognales	Compsopogonaceae	<i>Compsopogon coeruleus</i> (Balbis) Montagne	Garden pond	Chennai	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1005			<i>Composopogon hookeri</i> Montagne	Garden pond	Chennai	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1006			<i>Composopogon iyengarii</i> Krishnamurthy	In flowing water	River Adyat at Chennai	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1007	Bangiales	Bangiaceae	<i>Porphyra kanyakumariensis</i> Krishnamurthy et Baluswami	Marine	Kovalam (Cape Comorin)	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1008			<i>Porphyra vietnamensis</i> Tanaka et Pham-Hoang Ho	Marine	Chennai Harbour	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1009	Acrochaetiales	Acrochaetiaceae	<i>Acrochaetium canariense</i> Boergesen	Marine	Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1010			<i>Acrochaetium krusadii</i> Boergesen	Marine, Epiphytic on <i>Dictyota bartayresiana</i>	Krusadai Island, Gulf of Mannar	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1011			<i>Acrochaetium iyengarii</i> Boergesen	Marine. Growing on <i>Chaetomorpha media</i>	Mahabalipuram	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1012			<i>Acrochaetium multisporum</i> Boergesen	Marine, Epiphytic on <i>Halymenia floresia</i>	Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1013			<i>Acrochaetium liagoraefilum</i> Boergesen	Marine, Epiphytic on <i>Liagora erecta</i>	Mahabalipuram	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1014			<i>Acrochaetium liagoroides</i> Boergesen	Marine, Epiphytic on <i>Liagora erecta</i>	Mahabalipuram	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1015			<i>Acrochaetium subseriatum</i> Boergesen	Marine, Epiphytic on <i>Chondria spp.</i>	Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1016			<i>Acrochaetium tuticorinense</i> Boergesen	Marine, Epiphytic on sea grass	Tuticorin	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990

1017			<i>Kylinia robusta</i> (Boergesen) Desikachary, Krishnamurthy et Balakrishnan	Marine, Epiphytic on <i>Dasya</i> sp.	Tuticorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1018			<i>Kylinia spathoglossi</i> (Boergesen) Aleem	Marine, Epiphytic on <i>Spathoglossum asperum</i>	Tuticorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1019	Batrachospermales	Batrachospermaceae	<i>Batrachospermum ectocarpum</i> Sirodot	Freshwater	South India		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1020			<i>Batrachospermum</i> <i>desikacharyi</i> Sankaran	Freshwater	Va;[arao		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1021			<i>Batrachospermum</i> <i>umamaheswararai</i> Baluswami and Babu	Freshwater	Manimangalam, Kanchipuram district		Baluswami, M. and B. Babu 2000
1022			<i>Sirodotia cirrhosa</i> Skuja ex Balakrishnan and Chaugule	Freshwater	South India		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1023			<i>Tuomeya americana</i> (Kuetzing) Papenfuss	Freshwater	Upper Kothaiyar, Tirunelveli district	Hill stream	Babu, B. and M. Baluswami 2005.
1024	Nemaliales	Nemalionaceae	<i>Liagoropsis schrami</i> (Crouan ex Maze and Schramm) Doty and Abbott	Marine	Tuticorin*	Washed ashore	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1025		Dermonemataceae	<i>Dermonema frapperi</i> (Mont. And Millard.) Boergesen	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1026		Helminthocladiaceae	<i>Helminthocladia calvadosii</i> f. <i>indica</i> Desikachary	Marine	Pudumadam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1027			<i>Helminthocladia calvadosii</i> f. <i>comorinensis</i> Krishnamurthy and Sundararajan	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1028			<i>Liagora ceranoides</i> Lamouroux	Marine	Krusadai Island		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1029			<i>Liagora ceylanica</i> Zeh	Marine	Mandapam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1030			<i>Liagora doridis</i> Zeh	Marine	Pamban		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990

1031			<i>Liagora erecta</i> Zeh	Marine	Chennai; Mahabalipuram;Covelong; North of Mandapam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1032			<i>Liagora mannarensis</i> Krishnamurthy and Sundararajan	Marine	Pudumadam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1033			<i>Liagora orientalis</i> J. Ag.	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1034			<i>Liagora viscida</i> (Forsskal) Agardh	Marine	South India		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1035	Chaetangiales	Chaetangiaceae	<i>Actinotrichia fragilis</i> (Forsskal) Boergesen	Marine	Pamban, Tuticorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1036			<i>Galaxaura obtusata</i> (Solander in Ellis and Solander) Lamouroux	Marine	Pamban (Kuntagal point); Pudumadam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1037			<i>Galaxaura lenta</i> Kjellman	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1038			<i>Galaxaura oblongata</i> (Solander in Ellis and Sol.) Lamouroux	Marine	Pamban; Krusadai Island		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1039			<i>Scinaia bengalica</i> Boergesen	Marine	Chennai; Pamban		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1040			<i>Scinaia carnosa</i> Harvey ex Agardh. J.G.	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1041			<i>Scinaia fascicularis</i> (Boergesen) Huisman	Marine	Tuticorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1042			<i>Scinaia furcellata</i> Bivona- Bernardi	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1043		Bonnemaisoniaceae	<i>Asparagopsis taxiformis</i> (Delile) Trivisan	Marine	Krusadai Island; Cape Comorin; Tuticorin.		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1044		Gelidiaceae	<i>Gelidium pusillum</i> (Stackhouse) Le Jolis	Marine	Tiruchendur	Attached to rocks below low water level	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1045		Gelidiellaceae	<i>Gelidiella indica</i> Rao, P.C.	Marine	Idinthakarai, Tiruchendur, Krusadai Island, Mandapam camp, Rameswaram, Kilakarai	Attached to rocks below low water level	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1046			<i>Gelidiella acerosa</i> (Forsskal) Feldmann & Hamel	Marine	Krusadai island, South of Mandapam camp, Rameswaram, Idinthakarai, Tiruchendur	Attached to rocks below low water level	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990

1047			<i>Gelidiella acerosa f. minima</i> Rao, P.S.	Marine	Kilakarai, Rameswaram		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1048			<i>Gelidiella myrioclada</i> (Boergesen) Feldmann & Hamel	Marine	Tuticorin; South of Mandapam		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1049			<i>Gelidiella bornetii</i> (Weber van Bosse) Feldmann & Hamel	Marine	Tuticorin, Krusadai Island*	*On <i>Lithothamnion</i>	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1050	Cryptonemiales	Corynomorphaceae	<i>Corynomorpha prismatica</i> (J.Agardh) J. Agardh	Marine	Cape Comorin; Tiruchendur*	*Attached to rocks below low water level	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1051		Cryptonemiaceae	<i>Carpopeltis millardi</i> (Mont. Et Millardet) Chiang	Marine	Cape Comorin; Tuticorin; Krusadai Island		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1052			<i>Cryptonemia coriacea</i> Schmitz	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1053			<i>Cryptonemia lomatio</i> (bertoloni) J. Agardh	Marine	Krusadai Island		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1054			<i>Cryptonemia undulata</i> Sonder	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1055			<i>Grateloupia comorinii</i> Boergesen	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1056			<i>Grateloupia filicina</i> (Wulfen) C.A. Agardh f. <i>filicina</i>	Marine	Tuticorin, South of Mandapam; North of Mandapam camp; Idinthakarai; Tiruchendur*; Cape Comorin	*Attached to rocks below low water level	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1057			<i>Grateloupia lithophila</i> Boergesen	Marine	Cape Comorin; Mahabalipuram		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1058		Halymeniaceae	<i>Halymenia amoena</i> Bory	Marine	Cape Comorin		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1059			<i>Halymenia dilatata</i> Zanardini	Marine	Chennai beach; Pamban-near bridge		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1060			<i>Halymenia floresia</i> (Clemente) C. Agardh	Marine	Tuticorin, Pearly Oyster Banks; Rameswaram, Chank Fisheries Banks; Tuticorin; Krusadai Island		Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1061			<i>Halymenia imbricata</i> Dickie*	Marine	Tuticorin	*Species minus cognitae	Desikchary, T.V., V. Krishnamurthy, M.S.Balakrishnan 1990
1062			<i>Halymenia porphyroides</i>	Deep water marine form	Region between Alantalai and Manapad	At a depth of 18 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996

1063			<i>Halymenia venusta</i>	Deep water marine form	Region between Alantalai and Manapad	At a depth ranging between 10-15 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996
1064	Hildenbrandiales	Hildenbrandiaceae	<i>Hildenbrandia prototypus</i> <i>Nardo</i>	Marine	Cape Comorin; Tuticorin; Iruchedndur*	*Forming crusts on rocks below low water level	Desikachary, T.V., V. Krishnamurthy, M.S. Balakrishnan 1990
1065	Rhodymeniales	Champiaceae	<i>Champia compressa</i> Harvey	Marine	Tuticorin, Hare Island.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1066			<i>Champia compressa</i> var. <i>scindica</i> (Harvey) Boergesen	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1067			<i>Champia parvula</i> (Agardh) Harvey	Marine	Tuticorin, Hare Island; Pamban; Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1068		Rhodymeniaceae	<i>Botryocladia leptopoda</i> (J. Agardh) Kylin	Marine	Cape Comorin, Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1069			<i>Ceratodictyon spongiosum</i> Zanardilni	Marine	Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1070			<i>Coelarthrum opuntia</i> (J. Agardh) Boergesen	Marine	Tuticorin, Dhanushkodi, Krusadai Island, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1071			<i>Gelidiopsis repens</i> (Kuetzing) Schmitz.	Marine	Tuticorin, Pamban, Tiruchendur, Cape Comorin, Idinthakarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1072			<i>Gelidiopsis variabilis</i> (Grev.) Schmitz	Marine	Hare Island, Tuticorin and Cape Comorin.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1073			<i>Halichrysis thivyae</i> (Dawson) Eiseman et Moe	Marine	Krusadai Island (cast ashore after a storm)		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1074			<i>Rhodymenia dissecta</i> Boergesen	Marine	Tuticorin, Pamban, Tiruchendur, Cape Comorin, Idinthakarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1075	Corallinales	Corallinaceae	<i>Amphiroa anastomosans</i> Weber van Bosse	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1076			<i>Amphiroa fragilissima</i> (L.) Lamouroux	Marine	Idinthakarai; Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1077			<i>Amphiroa anceps</i> (Lamarck) Decaisne	Marine	Cape Comorin; Tiruchendur.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1078			<i>Cheilosporum spectabile</i> (Harvey) Weber van Bosse	Marine	Tiruchendur; Mandapam; Idinthakarai; Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1079			<i>Jania adhaerens</i> Lamouroux	Marine	Krusadai Island, Gulf of Mannar; Mandapam; Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1080			<i>Jania capillacea</i> Harvey	Marine	Krusadai Island and Challi Islands (Gulf of Mannar)	Epiphytic on <i>Sargassum</i> sp.	Umamaheswara Rao, M. 2001
1081			<i>Jania iyengarii</i> Ganesan	Marine	Kovalam, near Chennai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1082			<i>Jania rubens</i> (Linnaeus) Lamouroux	Marine	Cape Comorin; Krusadai Islands		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1083		Spongitaceae	<i>Fosliella farinosa</i> (Lamouroux) Howe	Marine	Pamban; Krusadai Island, Idinthakarai, Cape Comorin	Epiphytic on various algae and marine phanerogams	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1084			<i>Fosliella minutula</i> (Foslie) Ganesan	Marine	Kovalam, near Chennai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1085			<i>Hydrolithon craspedium</i> f. <i>craspedium</i>	Marine	Krusadai Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1086			<i>Hydrolithon iyengarii</i> Desikachary et Ganesan	Marine	Pamban, Palk Bay; Krusadai Island, Gulf of Mannar.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1087			<i>Hydrolithon krusadiense</i> Krishnamurthy et Jayagopal	Marine	Krusadi Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1088			<i>Hydrolithon onkodes</i> f. <i>onkodes</i> Foslie	Marine	Pamban near Light House, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1089			<i>Hydrolithon reinboldii</i> (Weber van Bosse et Foslie) Foslie, M.H.	Marine	Pamban, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1090			<i>Hydrolithon samoense</i> (Foslie) Keats and Chamberlein	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1091			<i>Hydrolithon verrucosum</i> Krishnamurthy et Jayagopal	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1092			<i>Lithophyllum amplexifrons</i> (Harv.) Heydrich	Marine	Harbour, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1093			<i>Lythophyllum carilbaeum</i> (Foslie) Foslie	Marine	Harbour, Tuticorin, near red gate.		Krishi namurthy, V. and K. Jayagopal 1985
1094			<i>Lithophyllum decipiens</i> (Fosl.) Fosl.	Marine	Krusadai Islands, Gulf of Mannar		Krishi namurthy, V. and K. Jayagopal 1985
1095			<i>Lithophyllum okamurai</i> Foslie	Marine	Krusadi Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1096			<i>Lithophyllum orbiculatum</i> (Foslie) Foslie	Marine	Tiruchendur, Bay of Bengal		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998



1097			<i>Lithophyllum samoense</i> Foslie	Marine	Pudumadam, Gulf of Mannar		Krishnamurthy, V. and K. Jayagopal 1985
1098			<i>Lithothamnion notatum</i> Foslie	Marine	Harbour, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1099			<i>Neogoniolithon brassica-florida</i> (Foslie) Setchell et Mason f. <i>laccadivica</i> (Foslie) Desikachary et al	Marine	Pamban, near Light House, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1100			<i>Neogoniolithon caribaeum</i> (Foslie) Adey	Marine	Krusadai Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1101			<i>Neogoniolithon crassifructum</i> Krishnamurthy et Jayagopal	Marine	Tuticorin Harbour		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1102			<i>Neogoniolithon desikacharyi</i> Krishnamurthy et Jayagopal	Marine	Tiruchendur, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1103			<i>Neogoniolithon ganesani</i> Krishnamurthy et Jayagopal	Marine	Krusadai Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1104			<i>Neogoniolithon misakiense</i> (Foslie) Setchel et Mason	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1105			<i>Neogoniolithon palkensis</i> Krishnamurthy et Jayagopal	Marine	Pamban, near Light House, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1106			<i>Neogoniolithon pudumadamensis</i> Krishnamurthy et Jayagopal	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1107			<i>Neogoniolithon tiruchendurensis</i> Krishnamurthy et Jayagopal	Marine	Tiruchendur, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1108			<i>Pneophyllum extensum</i> Krishnamurthy et Jayagopal	Marine	Pamban, near Light House, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1109			<i>Pneophyllum lejolisii</i> (Rosanoff) Chamberlain	Marine	Krusadai Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1110			<i>Pseudolithophyllum fosliei</i> Krishnamurthy et Jayagopal	Marine	Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1111			<i>Pseudolithophyllum lemoinei</i> Krishnamurthy et Jayagopal	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1112			<i>Pseudolithophyllum mannarensis</i> Krishnamurthy et Jayagopal	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1113			<i>Pseudolithophyllum pambanensis</i> Krishnamurthy et Jayagopal	Marine	Pamban, Palk Bay		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1114			<i>Pseudolithophyllum setchelli</i> Krishnamurthy et Jayagopal	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1115			<i>Pseudolithophyllum tuticorinensis</i> Krishnamurthy et Jayagopal	Marine	Tutucorin harbour		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1116			<i>Spongites decipiens</i> Chamberlain	Marine	Krusadai Island, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1117			<i>Sporolithon indicum</i> Krishnamurthy et Jayagopal	Marine	Light House, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1118			<i>Sporolithon erythraeum</i> (Rothpletz) Kylin	Marine	Thiruchendur, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1119			<i>Titanoderma ascripticum</i> (Foslie) Woelkerling, Chamberlain and Silva	Marine-epiphytic on <i>Sargasum</i> <i>spp.</i>	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1120			<i>Titanoderma pustulatum</i> (Lamouroux) Naegeli	Marine-on various brown algae	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1121	Gigartinales	Gracilariaceae	<i>Gracilaria attenuata</i> (M.U.Rao) Krishnamurthy	Marine	Mandapam, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1122			<i>Gracilaria blodgettii</i> Harvey	Marine	Nallatanni Island, Mandapam and Tuticorin		Umamaheswara Rao, M. 2001
1123			<i>Gracilaria bursa-pastoris</i> (Gmelin) Silva	Marine	Cape Comorin; Mandapam, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1124			<i>Gracilaria corticata</i> J. Ag.	Marine	Tiruchendur, Pudumadam, Cape Comorin, Idinthakarai, Covelong, Mandapam, Kilakarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1125			<i>Gracilaria crassa</i> (Harvey) J.Ag.	Marine	Pamban, Krusadai Island, Rameswsaram, Mandapam, Tuticorin, Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1126			<i>Gracilaria cylindrica</i> Boergesen	Marine	Mandapam, Turicorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1127			<i>Gracilaria debilis</i> (Forsskal) Boergesen	Marine	Tuticorin, Krusadai Island, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1128			<i>Gracilaria disticha</i> J.Ag.	Marine	Cape Comorin, Krusadai Island, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1129			<i>Gracilaria dura</i> (Ag.) J.Ag.	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1130			<i>Gracilaria edulis</i> (Gmelin) Silva	Marine	Krusadai Island, Pamban, Rameswaram, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1131			<i>Gracilaria fergusonii</i> J.Ag.	Marine	Cape Comorin;Idinthakarai, Pudumadam, Tiruchendur, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1132			<i>Gracilaria foliifera</i> (Forsskal) Boergesen	Marine	Pamban, Cape Comorin, Idinthakarai, Tiruchendur, Mandapam, Rameswaram, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1133			<i>Gracilaria idinthakaraiensis</i> Umamaheswara Rao	Marine	Idinthakarai	Sublittoral drift plants	Umamaheswara Rao, M. 2003
1134			<i>Gracilaria kanyakumariensis</i> Umamaheswara Rao	Marine	Kanyakumari, Chinnamuttam, Idinthakarai and Manapad		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1135			<i>Gracilaria kilakkaraiensis</i> Krishnamurthy et Rajendran	Marine	Kilakkarai, Idinthakarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1136			<i>Gracilaria mannarensis</i> Umamaheswara Rao	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1137			<i>Gracilaria millardetii</i> (Mont.) Ag.	Deep water marine form	Region between Alantalai and Manapad	At a depth ranging between 14.5-18 m	Rama Rao, K., P.V. Subba Rao, T.K. Mal and K. Subbaramaiah 1996
1138			<i>Gracilaria pudumadamensis</i> Krishnamurthy et Rajendran	Marine	Pudumadam, Gulf of Mannar		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1139			<i>Gracilaria opuntia</i> (J.Ag.) Krishnamurthy et Rajendran	Marine	Tiruchendur, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1140			<i>Gracilaria rostrata</i> Umamaheswara Rao	Marine	Shingle Island		Umamaheswara Rao, M. 2003
1141			<i>Gracilaria textorii</i> (Suring.) J.Ag.	Marine	Mandapam, Tuticorin, Tiruchendur, Manapad, Idinthakarai, Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1142			<i>Gracilaria tuticorinensis</i> Krishnamurthy et Rajendran	Marine	Harbour point, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1143			<i>Gracilaria verrucosa</i> (Hudson) Papenfus	Marine	Rameswaram, Tuticorin, Pamban, Pulicat lake, Madras		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1144			<i>Gracilariopsis lemaneiformis</i> (Bory) Dawson, Aceleto and Folkwiik	Marine	Mandapam, Pamban, Rameswaram, Kilakkarai and Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1145			<i>Tylotus indicus</i> (Umamaheswara Rao) Krishnamurthy	Marine	Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1146			<i>Tenaciophyllum lobatum</i> Boergesen	Marine	Idinthakarai	Cast ashore	Umamaheswara Rao, M. 2001
1147		Hypneaceae	<i>Hypnea flagelliformis</i> Greville ex J. Agardh	Marine	Cape Comorin, Tuticorin, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1148			<i>Hypnea muttukadensis</i> Prema and Subramanian	Marine	Muttukadu, South of Chennai		Prema, M. and B. Subramanian 2003
1149			<i>Hypnea musciformis</i> (Wulf.) Lamouroux	Marine	Tuticorin, Cape Comorin, Pamban, Gulf of Mannar.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1150			<i>Hypnea nigrescens</i> (Greville) J. Agardh	Marine	Cape Comorin, Tuticorin, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1151			<i>Hypnea pannosa</i> J. Agardh	Marine	Tuticorin, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1152			<i>Hypnea spinella</i> (C.Ag.) Kuetzing	Marine	Shingle Islands; Kilakkarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1153			<i>Hypnea valentiae</i> (Turner) Montagne	Marine	Tuticorin, Krusadai Island, Pamban, Mahabalipuram		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1154		Rhizophyllidaceae	<i>Portieria hornemannii</i> (Lyngbye) Silva	Marine	Cape Comorin; Pamban; Tuticorin; Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1155		Solieriaceae	<i>Sarconema filiforme</i> (Sonder) Kylin	Marine	Cape Comorin, Mandapam, Krusadai Island, Tuticorin,		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1156			<i>Solieria robusta</i> (Grev.) Kylin	Marine	Pearl bed, Tuticorin & Bay of Bengal		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1157		Caulacanthaceae	<i>Caulacanthus ustulatus</i> (Mertens ex Turner) Kuetzing	Marine	Idinthakara		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1158	Ceramiales	Ceramiaceae	<i>Acrothamnion butleriae</i> (Collins) Kylin	Marine	Kundugal point, Pamban; Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1159			<i>Aglaothamnion byssoides</i> (Arnott ex Harvey) L.Hardy-Halos et Rueness	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1160			<i>Aglaothamnion neglectum</i> Feldmann-Mazoyer	Marine	Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1161			<i>Antithamnion plumula</i> (Ellis) Thuret in Lejolis	Marine	Tiruchendur	Epiphytic on <i>Haloplegma duperreyi</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1162			<i>Antithamnionella elegans</i> (Berthold) Price et John	Marine	Royapuram beach, near Madras harbour	Marine	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1163			<i>Antithamnionella floccosa</i> (Mueller) Whittick	Marine	Tuticorin	Epiphytic on <i>Halymenia floresia</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1164			<i>Bornetia tenuis</i> Baldock et Womersley	Marine	Kanyakumari.	Saxicolous	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1165			<i>Ceramium cruciatum</i> Collins et Harvey	Marine	Pamban, Krusadai Island and Covelong		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1166			<i>Ceramium fimbriatum</i> Setchell et Gardner	Marine	Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1167			<i>Ceramium heterospinum</i> Subramanian	Marine	Tiruchendur	Entangled among other algae	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1168			<i>Ceramium maryae</i> Weber van Bosse	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1169			<i>Ceramium procumbens</i> Setchell et Gardner	Marine	Tiruchendur	Epiphytic on <i>Haloplegma duperreyi</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1170			<i>Ceramium deslongschampii</i> Chauvin	Marine	Cape Comorin, Pamban and Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1171			<i>Ceramium flaccidum</i> (Kuetzing) Ardissonne	Marine	Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1172			<i>Ceramium subdichotomum</i> Weber van Bosse	Marine	Turicorin, Krusadai Island and east coast of India.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1173			<i>Ceramium truncatum</i> Petersen	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1174			<i>Centroceras clavulatum</i> (C.Agardh) Montagne	Marine	Mahabalipuram, Mandapam, Idinthakarai, Cape Comorin, Tiruchendur, Tuticorin.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1175			<i>Crouania attenuata</i> (Bonnem.) J. Agardh	Marine	Under Pamban bridge		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1176			<i>Crouania boergesenii</i> Subramanian	Marine	Tiruchendur, Turicorin, Mandapam	Epiphytic on <i>Sargassum sp.</i> , <i>Halimeda sp.</i> and <i>Spatoglossum sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1177			<i>Crouania iyengarii</i> Subramanian	Marine	Mandapam	Epiphytic on <i>Sargassum sp.</i>	Subramanian, B. 1985 .
1178			<i>Desikacharyella indica</i> Subramanian	Marine	Mandapam, Kilakkarai; Tuticorin; Tiruchendur	Specimen found growing epiphytically on <i>Sargassum sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1179			<i>Euptilota articulata</i> (J.Agardh) Schmitz	Marine	Kundagal point, near Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1180			<i>Euptilota krusadiense</i> Krishnamurthy		Krusadai Island	Found as drift	Krishnamurthy, V. and M. Baluswami 2000
1181			<i>Griffithsia corallinoides</i> (Linnaeus) Trevisan	Marine	Muttam near Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1182			<i>Griffithsia heteromorpha</i> Kuetzing	Marine	Tiruchendur, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1183			<i>Gymnothamnion elegans</i> (Schousboe)J. Agardh	Marine	Capecomorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1184			<i>Haloplegma duperreyi</i> Montagne	Marine	Tiruchendur and Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1185			<i>Haloplegma preissii</i> Sonder	Marine	Gulf of Mannar.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1186			<i>Lejolisia columbiana</i> Taylor	Marine	Erwadi, Mandapam	Epiphytic on <i>Spatoglossum sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1187			<i>Pleonosporium borneri</i> (Smith) Naegeli	Marine	Krusadai Island, Pamban, East coast of India.		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1188			<i>Pleonosporium caribaeum</i> (Boergesen) Norris	Marine			Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1189			<i>Pleonosporium polymorphum</i> Itono	Marine	Tiruchendur	Epiphytic on <i>Gracilaria sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1190			<i>Ptilothamnion cladophorae</i> (Yamada et Tenakai) Feldmann-Mazoyer	Marine	Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1191			<i>Ptilothamnion subsimplex</i> Gordon	Marine	Erwadi, Tiruchendur	Epiphytic on <i>Sargassum sp.</i> , <i>Halopogon duperreyi</i> and <i>Sargassum sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1192			<i>Spermothamnion boergesenii</i> Krishnamurthy	Marine			Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1193			<i>Spermothamnion umamaheswarai</i> Krishnamurthy	Marine	Tiruchendur	On <i>Spyridia filamentosa</i> and on Hydrozoans.	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1194			<i>Spyridia filamentosa</i> (Wulfen) Harvey	Marine	Hare Island, Tuticorin; Shingle Island; Pamban and Rameswaram		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1195			<i>Spyridia fusiformis</i> Boergesen	Marine	Krusadai Island, Pamban and Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1196			<i>Spyridia hypnoides</i> (Bory) Papenfuss	Marine			Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1197			<i>Tanakaella krishnamurthii</i> Subramanian	Marine	Mandapam	Epiphytic on <i>Spatoglossum asperum</i> , washed ashore	Subramanian, B. 1985
1198			<i>Tiffaniella codicola</i> (Yamada et Tanaka) Doty et Menez.	Marine	Mandapam	Epiphytic on <i>Codium sp.</i> , washed ashore	Subramanian, B. 1985
1199			<i>Wrangelia argus</i> (Montagne) Montagne	Marine	Tiruchendur	Epiphytic on <i>Coelarthrum opuntia</i> , <i>Hypnea sp.</i> And <i>Sargassum sp.</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1200			<i>Wrangelia balakrishnenii</i> Subramanian	Marine	Pamban	Epiphytic on <i>Turbinaria</i> sp.	Subramanian, B. 1985
1201			<i>Wrangelia bicuspidata</i> Boergesen	Marine	Tiruchendur	wasjed ashore with other algae	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1202			<i>Wrangelia sundaralingamii</i> Subramanian	Marine	Hare Island, Tuticorin	Washed ashore	Subramanian, B. 1985
1203			<i>Wrangelia tenegana</i> Harvey	Marine	Krusadai Island, Pamban		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1204		Dasyaceae	<i>Dasya baillouviana</i> (Gmelin) Montagne	Marine	Pudumadam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1205			<i>Dasya caraibica</i> Boergesen	Marine	Thonithurai, Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1206			<i>Dasya flagellifera</i> Boergesen	Marine	Vedaranyam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1207			<i>Dasya iyengarii</i> Boergesen	Marine	Pamban; Mandapam; Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1208			<i>Dictyurus purpurescens</i> Bory	Marine	Cape Comorin; Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1209			<i>Heterosiphonia crispella</i> (C. Ag.) Wynne	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1210			<i>Heterosiphonia stiposa</i> (J. Agardh) De Toni	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1211		Delesseriaceae	<i>Acrosorium klrishnamurthyi</i> Umamaheswara Rao	Marine	Kanyakumari	Ephytic on <i>Carpopeltis</i> <i>maillardii</i>	Umamaheswara Rao, M. 2001
1212			<i>Acrosorium venulosum</i> (Zanardini) Kylin	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1213			<i>Martensia fragilis</i> Harvey	Marine	Shingle Island; Pamban, North of Mandapam; Tuticorin; Rameswaram		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1214			<i>Martensia indica</i> Krishnamurthy et Thomas	Marine	Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1215			<i>Nitophyllum marginale</i> Harvey in Kuetzing	Marine	Krusadai Island; Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1216			<i>Platysiphonia delicata</i> (Clemente y Rubio) Cremades	Marine	Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998



1217			<i>Taenioma perpusillum</i> (J. Agardh) J. Agardh	Marine	Krusadai Island, Mandapam	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1218			<i>Vanvoorstia spectabilis</i> Harvey	Marine	Pamban, Tuticorin	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1219		Rhodomelaceae	<i>Acanthophora muscoides</i> (L.) Bory	Marine	Tuticorin	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1220			<i>Acanthophora najadiformis</i> (Delile) Papenfus	Marine	Hare Island, Tuticorin	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1221			<i>Acanthophora spicifera</i> (Vahl.) Boergesen	Marine	Cape Comorin, Tuticorin; Chinnavaikal estuary complex near Porto Novo	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1222			<i>Bostrychia tenella</i> (Vahl.) J. Agardh	Marine	Mandapam	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1223			<i>Bryocladia thwaitesii</i> (Harvey) De Toni	Marine	Chennai; Mahabalipuram; Krusadai Island	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1224			<i>Chondria armata</i> (Kuetzing) Okamura	Marine	Tuticorin, Hare Island, Tuticorin, Pamban	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1225			<i>Chondria capillaris</i> (Hudson) Wynne	Marine	Krusadai Island	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1226			<i>Chondria dasyphylla</i> (Woodward) Agardh	Marine	Tuticorin, Krusadai Island	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1227			<i>Chondria seticulosa</i> (Forsskal) C. Agardh	Marine	Tuticorin, Tiruchendur	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1228			<i>Chondria transversalis</i> Boergesen	Marine	Tuticorin	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1229			<i>Enantiocladia prolifera</i> (Greville) Falkenberg	Marine	Cape Comorin, Tuticorin, Tiruchendur	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1230			<i>Herposiphonia insidiosa</i> (Greville) Falkenberg	Epiphytic on <i>Gracilaria</i> , <i>Laurencia</i> and other algae	Cape Comorin, Pamban, Tuticorin, Tiruchendur	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1231			<i>Herposiphonia secunda</i> (Agardh) Ambronn	Marine	Mandapam, Pudumadam	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1232			<i>Herposiphonia tenella</i> (C. Agardh) Naegeli	Marine	Mandapam, Pudumadam	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1233			<i>Laurencia brandenii</i> Saito et Womersley	Marine	Cape Comorin	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1234			<i>Laurencia caraibica</i> Silva	Marine	South shore of Mandapam Camp, Pudumadam	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1235			<i>Laurencia ceylanica</i> J. Agardh	Marine	Cape Comorin, Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1236			<i>Laurencia claviformis</i> Boergesen	Marine	Mandapam		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1237			<i>Laurencia elata</i> (C.Ag.) Harvey	Marine	Pamban (Kuntagal point).		Umamaheswara Rao, M. 2001
1238			<i>Laurencia filiformis</i> (Agardh) Montagne	Marine	Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1239			<i>Laurencia flagellifera</i> J. Ag.	Marine	Cape Comorin, Tiruchendur, Idinthakarai		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1240			<i>Laurencia indica</i> Hauck	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1241			<i>Laurencia majuscula</i> (Harvey) Lucas	Marine	Pamban, Tuticorin, Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1242			<i>Laurencia obtusa</i> (Hudson) Lamouroux	Marine	Tuticorin, Cape Comorin, Pamban Bridge		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1243			<i>Laurencia lobtusa</i> var. <i>divaricata</i> (J.Ag.) Yamada	Marine	Tuticorin, Pamban, Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1244			<i>Laurencia obtusa</i> var. <i>gracilis</i> Kuetzing	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1245			<i>Laurencia paniculata</i> J. Ag.	Marine	Cape Comorin, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1246			<i>Laurencia papillosa</i> (Forsskal) Greville	Marine	Pamban, Tuticorin, Krusadai Island, Rameswaram, Pamban, Pudumadam, Cape Comorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1247			<i>Laurencia parvipapillata</i> Tseng	Marine	Mandapam, Pamban, Challi Island.		Umamaheswara Rao, M. 2001
1248			<i>Laurencia parvula</i> Boergesen	Marine	Krusadai Island/Cape Comorin	Found among the branches of <i>Lithothamnion/Entanigled with Herposiphonia tenella</i>	Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1249			<i>Laurencia pedicularioides</i> Boergesen	Marine	Pamban (Kuntagal point), Colachel and Chinnamuttam		Umamaheswara Rao, M. 2001
1250			<i>Laurencia rigida</i> J. Agardh	Marine	South of Mandapam Camp; Shingle Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

1251			<i>Lenormandiopsis parthasarathyi</i> (Krishnamurthy) Krisnamurthy et Joshi	Marine	Cape Comorin, Rameswaram, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1252			<i>Leveillea jungermannioides</i> (Martens et Hering) Harvey	Marine	Cape Comorin, Shingle Island, Tiruchendur, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1253			<i>Lophocladia lallemandii</i> (Montagne) Schmitz	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1254			<i>Lophocladia trichoclados</i> (C. Agardh) Schmitz	Marine	Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1255			<i>Neurymenia fraxinifolia</i> (Mertens) J. Agardh	Marine	Tuticorin, Cape Comorin, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1256			<i>Veleroa karuvalensis</i> (Prasanna Varma) Krishnamurthy et Thomas	Marine	Karuvai par, Tuticorin		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1257			<i>Polysiphonia platycarpa</i> Boergesen	Marine	Tuticorin; Chennai; Pulicat Lake		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1258			<i>Polysiphonia sertularioides</i> (Grat.) J. Ag.	Marine	Pulicat Lake		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1259			<i>Polysiphonia subtilissima</i> Montagne	Marine	Pulicat Lake		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1260			<i>Polysiphonia tuticorinensis</i> Boergesen	Marine	Hare Island, Tuticorin, Tiruchendur		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1261			<i>Polysiphonia unguiformis</i> Boergesen	Marine	Shingle Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1262			<i>Tolypocladia condensata</i> (Weber van Bosse) Silva	Marine	Krusadai Island; Rameswaram		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998
1263			<i>Tolypocladia glomerulata</i> (C. Agardh) Schmitz	On a tuft of <i>Rosenvingea intricata</i> in shallow water	Tuticorin; Krusadai Island		Desikachary, T.V., V. Krishnamurthy and M.S. Balakrishnan 1998

### **Diversity of freshwater algae of Tamilnadu:**

Freshwater algae of Tamilnadu are represented by 668 taxa. These are given in Table 6. A total number of 346 taxa represent green algae, 219 bluegreen algae, 60 diatoms, 32 charophytes and 9 freshwater red algae. Most of these algae were collected from temple tanks, ponds, beach pools, roadside puddles in and around Chennai (Desikachary, 1959; Iyengar and Desikachary, 1985) and a few places near Madurai (Desikachary, 1959), Tanjore (Subramanian 2001) Virudachalam (Subramanian, 2000) and Pollachi (Sankaran, 1992, 2002, 2005a, 2005b). More taxa belonging to different orders of green algae were brought to light by Premila, Nirmala and Bharathan (1990), Usha Krishnan and Bharathan (2000), Nirmala and Bharathan (2002), Baluswami and Babu (2002) and Babu and Baluswami (2005). Chandra (2004) and Chandra *et al* (2003) have reported several epiphytic algae and subaerial algae from Yercaud hills that included new genera and species of *Geminifilum yercaudense* Chandra and *Krishnamurthya shevarayensis* Chandra belonging to the Cyanophyceae and Chrysophyceae respectively. The only comprehensive work on freshwater diatoms not only from the plains but also from several localities belonging to Kodaikanal and Ootacamund is that of Krishnamurthy (1954).

**Table 6 FRESHWATER ALGAE FROM  
TAMILNADU**

- 1 *Aphanocapsa biformis* A.Br.
- 2 *Aphanocapsa roeseana* de Bary
- 3 *Aphanocapsa elachista* N. et G.S.West.
- 4 *Aphanothece stagnina* (Spreng.) A.Br.
- 5 *Aphanothece naegelii* Wartm.
- 6 *Aphanothece nidulans* Richter
- 87 *Aphanothece saxicola* Nag
- 8 *Aphanothece castagnei* (Breb.) Rabenh.
- 9 *Aphanothece pallida* (Kutz.) Rabenh.
- 10 *Aphanothece microscopica* Nag.
- 11 *Chroococcus cohaerens* (Breb.) Naegeli
- 12 *Chroococcus tenax* (Kirchn) Hieron
- 13 *Coelosphaerium kuetzingianum* Nag.
- 14 *Dactylococcopsis fasciculatus* Lemm.f. *indica* Desikachary
- 15 *Gleocapsa calcarea* Tilden
- 16 *Gleocapsa kuetzingiana* Nag.
- 17 *Gleocapsa livida* (Carm.) Kutz.
- 18 *Gloeocapsa magma* (Breb) Kutz.
- 19 *Gloeocapsa punctata* Nag.
- 20 *Gloeothece fusco-lutea* Nag.
- 21 *Gloeothece membranacea* (Rabenh.) Bornet
- 22 *Gloeothece rupestris* (Lyngb.) Bornet
- 23 *Gloeothece samoensis* Wille
- 24 *Gloeothece vibio* Carter
- 25 *Gloeothece samoensis* Wille var. *major* Wille
- 26 *Gomphosphaeria aponina* Kutz.
- 27 *Merismopedia glauca* (Ehrenb.) Nag.
- 28 *Merismopedia marssonii* Lemm.
- 29 *Merismopedia punctata* Meyen
- 30 *Merismopedia tenuissima* Lemm.
- 31 *Microcystis aeruginosa* Kutz.

- 32 *Microcystis elongata* Desikachary
- 33 *Microcystis flos-aquae* (Wilttra) Kirchner
- 34 *Microcystis marginata* (Menegh.) Kutz.
- 35 *Microcystis protocystis* Crow
- 36 *Microcystis pseudofilamentosa* Crow
- 37 *Microcystis robusta* (Clark) Nygaard
- 38 *Microcystis scripta* (Richter) Lemm.
- 39 *Microcystis viridis* (A.Br.) Lemm.
- 40 *Synechococcus cedrorum* Sauvageau
- 41 *Synechocystis pevalekii* Ercegovic
- 42 *Johannesbaptistia pellucida* (Dickie) Taylor et Drouet
- 43 *Chroococciopsis indica* Desikachary
- 44 *Chamaesiphon rostafinskii* (Rostaf) Hansgirg
- 45 *Dermocarpa clavata* (Setchell et Gardner) Geitler
- 46 *Dermocarpa flahaultii* Sauvageau
- 47 *Stichosiphon sansibaricus* (Hieron) Drouet et Daily
- 48 *Myxosarcina spectabilis* Geitler
- 49 *Myxosarcina concinna* Printz
- 50 *Hydrococcus rivularis* Ku
- 51 *Xenococcus willei* Gardner
- 52 *Arthrospira massartii* Kuffareth var. *indica*
- 53 *Crinalium magnum* Fritsch et John
- 54 *Lyngbya aeruginosa-coerulea* (Kuetz.) Gomont
- 55 *Lyngbya aestuarii* var. *arbustiva* Bruhl et Biswas
- 56 *Lyngbya arboricola* Bruhl et Biswas
- 57 *Lyngbya bipunctata* Lemm.
- 58 *Lyngbya Chaetomorphae* Iyengar et Desikachary
- 59 *Lyngbya confervoides* C,Ag. ex Gomont
- 60 *Lyngbya contorta* Lemm.
- 61 *Lyngbya dendrobia* Bruhl et Biswas
- 62 *Lyngbya digueti* Gomont
- 63 *Lyngbya gardneri* (Setchel et Gardner) Geitler
- 64 *Lyngbya holdenii* Forti

- 65 *Lyngbya kuetzingii* Schmidle
- 66 *Lyngbya kuetzingii* Schmidle var. *minor* Gardner
- 67 *Lyngbya lagerheimii* (Mob) Gomont f. *minor* Desikachary
- 68 *Lyngbya limnetica* Lemmermann
- 69 *Lyngbya majuscula* Harvey ex Gomont
- 70 *Lyngbya mucicola* Lemmermann
- 71 *Lyngbya nordgardhii* Wille
- 72 *Lyngbya porphyrosiphonis* Fremy
- 73 *Lyngbya semiplana* Ag. Ex Gomont
- 74 *Lyngbya spiralis* Geitler
- 75 *Lyngbya spirulinoides* Gomont
- 76 *Microcoleus chthonoplastes* Thuret ex Gomont
- 77 *Microcoleus paludosus* (Kutz.) Gomont
- 78 *Oscillatoria agardhii* Gomont
- 79 *Oscillatoria amphibia* Ag. Ex Gomont
- 80 *Oscillatoria angustata* Koppe
- 81 *Oscillatoria cortiana* Menegh
- 82 *Oscillatoria earlei* Gardner
- 83 *Oscillatoria foreani* Fremy
- 84 *Oscillatoria formosa* Bory ex Gomont
- 85 *Oscillatoria fremyii* De Toni
- 86 *Oscillatoria irrigua* (Kutz.) Gomont
- 87 *Oscillatoria limnetica* Lemm
- 88 *Oscillatoria limosa* Ag. Ex Gomont
- 89 *Oscillatoria obscura* Bruhl
- 90 *Oscillatoria princeps* Vaucher ex Gomont
- 91 *Oscillatoria quadripunctulata* Bruhl et Biswas
- 92 *Oscillatoria raciborskii* Wolosz
- 93 *Oscillatoria splendida* Grev. Ex Gomont
- 94 *Oscillatoria subbrevis* Schmidle
- 95 *Oscillatoria subbrevis* Schmidle f. *minor* Desikachary
- 96 *Oscillatoria tanganyikae* G.S.West
- 97 *Oscillatoria tenuis* Ag. Ex Gomont

- 98 *Phormidium angustissimum* W. et G.S. West  
99 *Phormidium bigranulatum* Gardner  
100 *Phormidium corium* (Ag.) Gomont  
101 *Phormidium fragile* (Meneghini) Gomont  
102 *Phormidium luridum* (Kutz.) Gomont  
103 *Phormidium molle* (Kutz.) Gomont  
104 *Phormidium mucicola* Hub.-Pestalozzi et Naumann  
105 *Phormidium papyraceum* (Ag.) Gomont  
106 *Phormidium retzii* (Ag.) Gomont  
107 *Phormidium uncinatum* (Ag.) Gomont  
108 *Polychlamydomonas insigne* West et West  
109 *Porphyrosiphon notarisii* (Menegh) Kutz  
110 *Schizothrix friesii* (Ag.) Gomont  
111 *Schizothrix friesii* (Ag.) Gomont *f. repens* Fremy  
112 *Schizothrix lamyi* Gomont  
113 *Schizothrix muelleri* Nag. *ex* Gomont *f. lyngbyoidea* Gomont  
114 *Schizothrix purpurascens* (Kutz.) Gomont  
115 *Spirulina labyrinthiformis* (Menegh.) Gomont  
116 *Spirulina laxissima* West  
117 *Spirulina laxissima* West *f. major* Desikachary  
118 *Spirulina meneghiniana* Zanard. *ex* Gomont  
119 *Spirulina princeps* W. et G.S. West<sup>65</sup>  
120 *Spirulina subsalsa* Oerst. *ex* Gomont  
121 *Spirulina subtilissima* Kutz. *ex* Gomont  
122 *Symploca hydroides* Kutzing *ex* Gomont *f. minor* Iyengar and Desikachary  
123 *Symploca muralis* Kutzing *ex* Gomont  
124 *Symploca muscorum* (Ag.) Gomont  
125 *Trichodesmium erythraeum* Ehrenberg *ex* Gomont  
126 *Trichodesmium lacustre* Klebahn  
127 *Trichodesmium thiebautii* Gomont  
128 *Geminifilum yercaudense* Chandra  
129 *Anabaena aphanizomenoides* Forti  
130 *Anabaena flos-aquae* (Lyngb.) Breb. *ex* Born. et Flah



- 131 *Anabaena sphaerica* Bornet et Flahault  
 132 *Anabaena sphaerica* var. *attenuata* Bharadwaja  
 133 *Anabaena utermohlii* Geitler  
 134 *Anabaena randhawae* Venkataraman  
 135 *Anabaenopsis arnoldii* Aptekarj var. *indica* Ramanathan  
 136 *Anabaenopsis circularis* (G.S.West) Wolosz. et Miller var. *javanica* Wolosz.  
 137 *Aulosira aenigmatica* Fremy  
 138 *Aulosira fritschii* Bharadwaja  
 139 *Aulosira prolifica* Bharadwaja  
 140 *Cylindrospermum alatosporum* Fritsch  
 141 *Cylindrospermum muscicola* Kuetzing ex Bornet et Flahault  
 142 *Cylindrospermum stagnale* (Kutz.) Born. et Flah  
 143 *Cylindrospermum stagnale* f. *sporolimbata* Fremy  
 144 *Hormothamnion solutum* Bornet et Grunow  
 145 *Nostoc commune* Vaucher ex Born. et Flah  
 146 *Nostoc krishnamurthyi* Chandra  
 147 *Nostoc microscopicum* Carm. ex Born. et Flah  
 148 *Nostoc parmelioides* Kutz. ex Born. et Flah  
 149 *Nostoc punctiforme* (Kutz.) Hariot  
 150 *Nostoc sphaericum* Vaucher ex Born. et Flah  
 151 *Nostoc spongiforme* Agardh ex Born et Flah  
 152 *Nostoc spongiforme* var. *varians* Rao, C.B.  
 153 *Nostoc verrucosum* Vaucher ex Born et Flah  
 154 *Raphidiopsis curvata* Fritsch et Rich  
 155 *Camptylonemopsis iyengarii* Desikachary  
 156 *Camptylonemopsis minor* Desikachary  
 157 *Camptylonemopsis pulneyensis* Desikachary  
 158 *Fortiea bossei* (Fremy) Desikachary  
 159 *Microchaete aequalis* (Fremy) Desikachary  
 160 *Microchaete elongata* (Fremy) Desikachary  
 161 *Microchaete tenera* Thuret ex Born. et Flah  
 162 *Petalonema alatum* Beck  
 163 *Plectonema nostocorum* Bornet ex Gomont

- 164 *Plectonema tomasinianum* (Kutz.) Born. ex Gomont var. *vandalurense* Desikachary  
165 *Plectonema wollei* Farlow ex Gomont  
166 *Scytonema amplum* West et West  
167 *Scytonema bohneri* Schmidle  
168 *Scytonema coactile* Montagne ex Born. Et Flah  
169 *Scytonema fremyii* Desikachary  
170 *Scytonema guyanense* (Mont.) Bornet et Flahault  
171 *Scytonema hofmanni* var. *symplocoides* (Reinsch) Bornet et Flahault  
172 *Scytonema javanicum* (Kutz.) Bornet ex Born. Et Flah.  
173 *Scytonema mirabile* (Dillw.) Born.  
174 *Scytonema mirabile f. minor* Bharadwaja  
175 *Scytonema myochrons* (Dillw.) Ag. Ex Born. Et Flah  
176 *Scytonema pascheri* Bharadwaja  
177 *Scytonema pseudoguyaneuse* Bharadwaja  
178 *Scytonema rivulare* Borzi ex Born. Et Flah  
179 *Scytonema saleyeriense* Weber van Bosse var. *indica* Bharadwaja  
180 *Scytonema schmidtii* Gom  
181 *Scytonema stuposum* (Kutzing) Bornet ex Born. Et Flah  
182 *Tolypothrix bouteillei* (Breb. Et Desm.) Forti  
183 *Tolypothrix foreaui* Fremy  
184 *Tolypothrix limbata* Thuret  
185 *Tolypothrix rechingeri* (Wille) Geitler  
186 *Calothrix contarenii* (Zanard.) Bornet ex Flahault  
187 *Calothrix crustacea* Thuret  
188 *Calothrix fusca* (Kutz.) Bornet et Flahault  
189 *Calothrix javanica* de Wilde  
190 *Calothrix membranacea* Schmidle  
191 *Calothrix parietina* Thuret ex Born. Et Flah  
192 *Calothrix pulvinata* Ag.  
193 *Calothrix sclpulorum* (Weber et Mohr.) Ag. Ex Born. Et Flah  
194 *Calothrix stellaris* Bornet et Flahault  
195 *Calothrix wembaerensis* Hieronet Schmidle  
196 *Dichothrix baneriana* (Grun.) Born. Et Flah

- 197 *Dichothrix compacta* Born. et Flah  
 198 *Gloeotrichia natans* Rabenhorst ex Born. Et Flah  
 199 *Gloeotrichia pilgeri* Schmidle  
 200 *Gloeotrichia raciborskii* Woloszynska  
 201 *Rivularia dura* Roth ex Born. et Flah. var. *confluens* Fremy  
 202 *Rivularia manginii* Fremy  
 203 *Rivularia manginii* Fremy var. *confluens* Fremy  
 204 *Mastigocoleus testarum* Lagerh.  
 205 *Nostochopsis lobatus* Wood em. Geitler  
 206 *Nostochopsis radians* Bharadwaja  
 207 *Mastigocladus laminosus* Cohn var. *indicus* Desikachary  
 208 *Fisherellopsis moniliforme* (Freymy) Fritsch  
 209 *Haplosiphon delicatulus* W. et G.S. West  
 210 *Haplosiphon intricatus* W. et G.S. West  
 211 *Haplosiphon stuhlmannii* Hieron  
 212 *Stigonema dendroideum* Fremy  
 213 *Stigonema hormoides* (Kutz.) Born. et Flah  
 214 *Stigonema informe* Kutz. ex Born. et Flah.  
 215 *Stigonema mesentericum* Geitler  
 216 *Stigonema minutum* (Ag.) Hassall ex Born. et Flah  
 217 *Stigonema panniformis* (Ag.) Born. et Flah  
 218 *Ammatoides normannii* W. et G.S. West  
 219 *Westiellopsis prolifica* Janet  
 220 *Astrephomene gubernaculifera* Pocock  
 221 *Carteria arenariae* Iyengar  
 222 *Carteria ellipsoidal* Bold  
 223 *Carteria globosa* Korschikoff  
 224 *Carteria iyengarii* Ramanathan  
 225 *Carteria klebsii* (Dang) France em Troitskaja  
 226 *Carteria madrasensis* Iyengar  
 227 *Carteria multifilis* (Fres) Dill  
 228 *Carteria pascheri* Skuja  
 229 *Carteria peterhofiensis* Kors

230 *Carteria polystricta* Nygaard  
231 *Carteria radiosa* Korsch  
232 *Chlamydomonas acuta* Kors  
233 *Chlamydomonas badensis* Moewns  
234 *Chlamydomonas coniformis* Pascher var. *minor* Iyengar  
235 *Chlamydomonas conochilae* Iyengar  
236 *Chlamydomonas conoides* Iyengar  
237 *Chlamydomonas ehrenbergii* Gorosch  
238 *Chlamydomonas eudorinae* Iyengar  
239 *Chlamydomonas frankii* Pascher  
240 *Chlamydomonas globosa* Snow  
241 *Chlamydomonas globosa* var. *arenariae* Iyengar  
242 *Chlamydomonas gracilis* Snow  
243 *Chlamydomonas hexangularis* Iyengar  
244 *Chlamydomonas isogama* Kors  
245 *Chlamydomonas kakosmos* Moewus  
246 *Chlamydomonas kirchneriellae* Iyengar  
247 *Chlamydomonas madraspatensis* Iyengar  
248 *Chlamydomonas microcystiae* Iyengar  
249 *Chlamydomonas microsphaera* Pascher et Jahoda  
250 *Chlamydomonas moadina* (Her.) Stein var. *indica* Iyengar  
251 *Chlamydomonas multipyrenoidosa* Iyengar  
252 *Chlamydomonas obovata* Iyengar  
253 *Chlamydomonas oocysticola* Iyengar  
254 *Chlamydomonas orbicularis* E.G. Pringsh  
255 *Chlamydomonas pertusa* var. *indica* Iyengar  
256 *Chlamydomonas planoconvexa* Iyengar  
257 *Chlamydomonas pseudagloe* Pascher  
258 *Chlamydomonas pseudobadensis* Iyengar  
259 *Chlamydomonas pseudoepiphytica* Iyengar  
260 *Chlamydomonas pseudohaematococcoides* Iyengar  
261 *Chlamydomonas pseudopertusa* Iyengar  
262 *Chlamydomonas pseudopertyi* Pascher

263 *Chlamydomonas pseudopolypyrenoidea* Iyengar  
264 *Chlamydomonas pseudorotula* Iyengar  
265 *Chlamydomonas pseudostellata* Iyengar  
266 *Chlamydomonas pseudotarda* Bourr.  
267 *Chlamydomonas pseudotetraolaris* Iyengar  
268 *Chlamydomonas pyriformis* Iyengar  
269 *Chlamydomonas regularis* Kors  
270 *Chlamydomonas reinhardi* Dang  
271 *Chlamydomonas rubrifilum* Kors  
272 *Chlamydomonas snowiae* Printz  
273 *Chlamydomonas steinii* Gorosch  
274 *Chlamydomonas stellata* Dill  
275 *Chlamydomonas terrestris* Petersen  
276 *Chlamydomonas tetracitidis* Iyengar  
277 *Chlamydomonas triplicanensis* Iyengar  
278 *Chlamydomonas umbonata* Pascher  
279 *Chlamydomonas volvocicola* Iyengar  
280 *Chlamydomonas zebra* Kors  
281 *Chlorogonium elongatum* (Dang.) France  
282 *Chlorogonium leiostracum* Strehlow  
283 *Chlorogonium metamorphum* Skuja  
284 *Chlorogonium minutissimum* Iyengar  
285 *Chlorogonium setaceum* Iyengar  
286 *Chlorogonium tetragamum* Bohlin  
287 *Chloromonas conoides* Iyengar  
288 *Chloromonas dehlemensis* Gerloff  
289 *Chloromonas paradoxa* Kors  
290 *Chloromonas pseudoplatyryncha* (Pascher) Silva  
291 *Chloromonas urinaria* Iyengar  
292 *Diplostauron indicum* Iyengar  
293 *Hyalogonium klebsii* Pascher  
294 *Lobomonas rostrata* HazenL  
295 *Lobomonas spinosa* Iyengar

- 296 *Lobomonas stellata* hodat  
297 *Phyllariochloris indica* Iyengar  
298 *Polytoma uvella* Her.  
299 *Sphaerellopsis gloeocystiformis* (Dill) Gerloff  
300 *Sphaerellopsis pyriformis* Iyengar  
301 *Sphaerellopsis reticularis* Iyengar  
302 *Tussetia polytomoides* Pascher  
303 *Collodictyon indicum* Iyengar  
304 *Spermatozopsis exsultans* Korsch Koff  
305 *Heteromastrix angulata* Kors.  
306 *Oltmansiella lineata* Zimm.  
307 *Cephalomonas granulata* Higinbotham  
308 *Coccomonas orbicularis* Stein  
309 *Delphimonas hemisphaerica* Iyengar  
310 *Dysmorphococcus coccifer* Kors  
311 *Dysmorphococcus indicus* Iyengar  
312 *Dysmorphococcus punctatus* Fott  
313 *Dysmorphococcus variabilis* Takeda  
314 *Fortiella elliptica* Iyengar  
315 *Fortiellopsis madraspatensis* Iyengar  
316 *Melomonas hemisphaericus* Iyengar  
317 *Pedinopera rugulosa* (Playfair) Pascher  
318 *Pedinoperopsis gracilis* Kors  
319 *Phacotus lenticularis* (Her.) Stein  
320 *Pteromonas aculeata* Lemm.  
321 *Pteromonas angulosa* (carter) Lemm.  
322 *Pteromonas angulosa* v. *cordiformis* (Lemm.) Philipose  
323 *Pteromonas madrasensis* Iyengar  
324 *Pteromonas multipyrenoidea* Iyengar  
325 *Pteromonas rectangularis* Lemm.  
326 *Pteromonas sinuosa* Ghodat  
327 *Pyramidococcus indicus* Iyengar  
328 *Thorakomonas irregularis* Kors

329 *Thorakomonas sabulosa* Kors  
330 *Wislouchiella planctonica* Skvortz  
331 *Platymonas haseni* (Butcher) Iyengar et Desikachary  
332 *Platymonas madrasensis* Iyengar  
333 *Scherffelia ovata* Pascher  
334 *Pyramimonas stellata* Iyengar  
335 *Pyrobotrys casinoensis* (Playfair) Silva  
336 *Pyrobotrys elongata* Kors  
337 *Pyrobotrys stellata* (Kors.) Kors.  
338 *Eudorina charkowiensis* (Kors.) Pascher  
339 *Eudorina elegans* Iyengar  
340 *Eudorina illinoisensis* (Kofoid) Pascher  
341 *Eudorina indica* Iyengar  
342 *Gonium compactum* Iyengar  
343 *Gonium discoideum* Prescott  
344 *Gonium pectorale* Mull  
345 *Pandorina cuylindricum* Iyengar  
346 *Pandorina morum* (Mull.) Bory var. *major* Iyengar  
347 *Pleodorina sphaerica* Iyengar  
348 *Volvox carteri* Stein  
349 *Volvox globator* Linn. Em Ehrb. var. *madraspatensis* Iyengar  
350 *Volvox merrilli* Shaw  
351 *Gleococcus lateralis* Iyengar  
352 *Gleococcus pyriformis* Iyengar  
353 *Gleococcus simplex* Iyengar  
354 *Asterococcus superbus* (Cienk) Scherffel  
355 *Gloeocystis ampla* Kuetzing  
356 *Gloeocystis banneergatensis* Iyengar  
357 *Gloeocystis planctonica* (W. & G.S. West) Lemm  
358 *Gloeodenedron ramosum* Kors.  
359 *Tetrasporidium javanicum* Moebius  
360 *Pseudosphaerocystis indica* Iyengar  
361 *Gloechaete wittrockiana* Lagerheim

- 362 *Apiocystis globosa* Kors  
363 *Paulshulzia indica* Iyengar  
364 *Schizochlamys gelatinosa*  
365 *Tetraspora laterale* Iyengar and Ramanathan  
366 *Tetraspora vandalorensis* Iyengar  
367 *Askenasyella randhawai* Ramanathan  
368 *Characiochloris anaphelesii* Iyengar  
369 *Chlorangiochlois epizootica* Iyengar  
370 *Physocytium indium* Iyengar  
371 *Chlamydocystis indica* Iyengar  
372 *Chloangiell mucigena* K.R.Ramanathan in Iyengar  
373 *Chlorangiella consociata* (Kors.) Fott.  
374 *Stylosphaeridiella crucigeniae* Iyengar  
375 *Chlorophysema madrasensis* Iyengar  
376 *Hypnomonas indicus* Iyengar  
377 *Nautococcus caudatus* Kors  
378 *Nautococcus madrasensis* Iyengar  
379 *Nautococcus indicus* Iyengar  
380 *Characiosiphon rivularis* Iyengar  
381 *Characium debaryanum* (Reilnsch) De Toni  
382 *Characium terrestris* Kanthamma  
383 *Korshikoviella limnetice* (Lemm) Silva  
384 *Schroederia planctonica* (Skuga) Philipose  
385 *Chlorococcum humicolum* (Naegeli) Rabenhorst.  
386 *Pediastrum simplex* Meyen var. *duodenarium* (Bailay) Rabenhorst  
387 *Pediastrum ovatum* (Her.) A. Braun  
388 *Pediastrum boryanum* (Turpin) Meneghini  
389 *Pediastrum duplex* Meyen  
390 *Pediastrum duplex* var. *clathratum* (A. Braun) Lagerheim.  
391 *Pediastrum duplex* var. *reticulatum* Lagerheim  
392 *Pediastrum duplex* var. *gracillimum* W.et. G. S. west  
393 *Pediastrum duplex* var. *subgranulatum* Raciborski  
394 *Pediastrum tetras* (Her.) Ralfs



- 395 *Hydrodictyon indicum* Iyengar  
396 *Tetraedron simmeri* Schmidle var. *minus* Philipose  
397 *Tetraedron trigonum* (Naegeli) Hansging  
398 *Tetraedron trigonum f. gracile* (Rainsch) De Toni.  
399 *Tetraedron regulare* Kuetzing. Var. *torsum* (Turner) Brunnthaler.  
400 *Tetraedron caudatum*. (Corda) Hansging.  
401 *Tetraedron pentaedricum* W.et. G.S. West.  
402 *Tetraedron gracile* (Reinsch) Hansging. f. *minus* Philipose  
403 *Tetraedron pusillum* var. *angolense* W.et.G.S.West.f.*minus* Philipose  
404 *Polyedriopsis spinulosa* (schmidle) schmidle.  
405 *Lagerheimia chodati* Bernard  
406 *Dendrocystis raoi* Iyengar  
407 *Ecballocystis courtallensis* Iyengar  
408 *Ecballocystopsis indica* Iyengar  
409 *Glaucocystis nostochinearum* Rabenhorst  
410 *Oocystis borgei* snow  
411 *Oocystis irregularis* (Petkof) Printz  
412 *Botryococcus braunii* Kuetzing  
413 *Dictyosphaerium pulchellum* Wood.  
414 *Dictyosphaerium ehrenbergianum* Naegeli.  
415 *Dictyosphaerium indicum* Iyengar et Ramanathan.  
416 *Westella botryoides* (W. West) dewildeman.  
417 *Ankistrodesmus falcatus* (corda) Ralfs.  
418 *Actinastrum hantschii* Lagerheim.  
419 *Kirchneriella lunaris* (Kirchner) Moebius.  
420 *Coelastrum cambrium v. intermedium* Bohin  
421 *Coelastrum microsporum* Naegeli  
422 *Coelastrum reticulatum* (Dangeard) Senn.  
423 *Crucigenia rectangularis* (A. Braun) Gay  
424 *Crucigenia tetrapedia* (Kirchner) W.et.G.S.West.  
425 *Crucigenia quadrata* Morren.  
426 *Tetrastrum staurogeniaeforme* (Schroeder) Lemm.  
427 *Scenedesmus obligous* (Turpin) Kuetzing

- 428 *Scenedesmus dimorphus* (Turpin) Kuetzing.  
 429 *Scenedesmus bijugatus* (Turpin) Kuetzing  
 430 *Scenedesmus bijugatus* var. *graevenitzii* (Bernard) Philipose  
 431 *Scenedesmus bijugatus* f. *irregularis* Wille  
 432 *Scenedesmus bijugatus* f. *parvus* (G.M.Smith) Philipose  
 433 *Scenedesmus denticulatus* Lagerheim. var. *australis* Playfair.  
 434 *Scenedesmus longus* Meyen. var. *dispar* (Brebisson) G.M.Smith  
 435 *Scenedesmus opoliensi* P. Richter  
 436 *Scenedesmus tropicus* crow  
 437 *Scenedesmus quadricauda* (Turpin) Brebisson.  
 438 *Scenedesmus quadricauda* var. *bicaudatus* Hansging  
 439 *Scenedesmus quadricauda* var. *longispina* (chodat) G.M.Smith  
 440 *Nautococcus triplicanensis* Iyengar  
 441 *Geminella minor* (Naegeli) Heerilng  
 442 *Hormidium pseudomirabile* Ramanathan  
 443 *Stichococcus bacillaris* Naegeli  
 444 *Stichococcus fragilis* (A.braun) Gay  
 445 *Gloeotilopsis planctonica* Iyengar et Philipose  
 446 *Heterotrichopsis viridis* Iyengar et Kanthamma  
 447 *Ulothrix aequalis* Kuetzing  
 448 *Ulothrix idiospora* West  
 449 *Ulothrix moniliformis* Kuetzing  
 450 *Ulothrix rorida* Thuret  
 451 *Ulothrix tenuissima* Kuetzing  
 452 *Ulothrix variabilis* Kuetzing  
 453 *Ulothrix zonata* (Weber et Mohr) Kuetz.  
 454 *Cylindrocapsa involuta* Reinsch  
 455 *Cylindrocapsopsis indica* Iyengar  
 456 *Oedogonium biforme* Nordst  
 457 *Oedogonium crispum* (Hass.) Wittr  
 458 *Oedogonium hatei* Kam  
 459 *Oedogonium lemmermannii* Tiff.  
 460 *Oedogonium mitratum* Hirn

- 461 *Oedogonium princeps* (Hass) Wittr.  
462 *Oedogonium sociale* Wittr  
463 *Oedogonium subdepressum* Jao  
464 *Bulbochaete gigantea* Pringsh  
465 *Bulbochaete macrandria* Ley  
466 *Chaetophora elegans* (Roth) Agardh  
467 *Chaetophora pisiformis* (Roth) Agardh  
468 *Stigeoclonium aestivale* (Hazen) Collins  
469 *Stigeoclonium attenuatum* Hazen  
470 *Stigeoclonium helveticum* Vischer  
471 *Stigeoclonium tenue* (Ag) Kuetzing emend Sankaran  
472 *Stigeoclonium segarae* Islam  
473 *Stigeoclonium variabile* (Naegeli) Islam  
474 *Fritschiella tuberosa* Iyengar  
475 *Draparnaldiopsis indica* Bharadwaja  
476 *Phaeophila dendroides* (Crouan) Batters  
477 *Entocladia viride* Reinke  
478 *Uronema terrestre* Mitra  
479 *Aphanochaete repens* A. Braun  
480 *Desmococcus olivaceus* (Peraoon et Acharius) J.R. Laundon  
481 *Entocladia viridis* Reinke  
482 *Entocladia leptochaete* (Huber) Burrows  
483 *Pseuduvella americana* (Snow) Wille  
484 *Pseuduvella americana* (Snow) Wille var. *indicus* Philipose  
485 *Enteromorpha intermedia* Bliding  
486 *Chaetomorpha antennina* (Bony) Kuetzing  
487 *Chaetomorpha litorea* Harvey  
488 *Chaetomorpha brachygona* Harvey  
489 *Cladophorella calcicola* Fritsch  
490 *Rhizoclonium fontinale* Kuetzing  
491 *Rhizoclonium tortuosum* (Dillwyn) Kuetzing  
492 *Rhizoclonium hieroglyphicum* (G. Agardh) Kuetzing  
493 *Pithophora polymorpha* Wittrock

- 494 *Willella ordinata* Boergesen  
495 *Trentepohila aurea* (Linn.) Martius  
496 *Trentepohila abietina* (Flotow) Hansg.  
497 *Trentepohlia monili* de Wildeman  
498 *Trentepohlia monili* var. *subspherica* Nirmala, Premila and Bharathan  
499 *Trentepohila odorata* (Wiggers) Wittrock  
500 *Trentepohlia shevaroyensis* Chandra  
501 *Phycopeltis arundinacea* (Montagne) de Toni  
502 *Phycopeltis epiphyton* Millardet  
503 *Phycopeltis lobata* Chandra  
504 *Phycopeltis prolfera* Chandra  
505 *Phycopeltis verrucosa* Chandra  
506 *Coleochaete irregularis* Pringsheim  
507 *Coleochaete pulvinata* A. Braun in Kutzing  
508 *Coleochaete scutata* Breb  
509 *Gonatozygon kinahani* Rabenhorst  
510 *Netrium digiltus* (Ehrenbg.) Itzigs and Rothe  
511 *Closterium libellula* Focke var. *pulneyensis* Iyengar et Vimala Bai  
512 *Closterium kutzilngii* Breb.  
513 *Closterium diana* Ehrenberg  
514 *Closterium didymolocum* Corda  
515 *Pleurotaenium trabecula* (Ehreb.) Nageli  
516 *Pleurotaenium minutum* Delp. var. *gracile* Wille  
517 *Pleurotaenium kayei* Rabenh.  
518 *Pleurotaenium tessellatum* (Joshua) Lagerh. var. *bulbosum* Krieger  
519 *Euastrum sinuosum* Lenorm.  
520 *Micrasterias pinnatifida* (Kutz.) Ralfs.  
521 *Micrasterias incisa* (Breb.) Ralfs. var. *wallichiana* Turner  
522 *Cosmarium javanicum* Nordstet.  
523 *Cosmarium moniliforme* f. *punctata* Lagerh.  
524 *Cosmarium moniliforme* f. *panduriformis* Heimerl  
525 *Cosmarium obsoletum* (Hantzsch) Reinsch  
526 *Cosmarium globosum* Bulnh.

- 527 *Cosmarium pachydermum* var. *indicum* Iyengar et Vimala Bai  
528 *Xanthidium sexmamillatum* var. *pulneyensis* Iyengar et Vimala Bai  
529 *Arthrodesmus subulatus* Kutz.  
530 *Staurastrum corniculatum* var. *spinigerum* West  
531 *Staurastrum tohopikaligense* Wolle.  
532 *Staurastrum unicolorne* v. *gracile* Iyengar et Vimala Bai  
533 *Staurastrum contectum* var. *ilnevolutum* Turner  
534 *Staurastrum longilbrachiatum* var. *inntermedium* Iyengar et Vimala Bai  
535 *Staurastrum retusum* var. *punctulatum* Eichl. And Gutwin.  
536 *Staurastrum gladiusum* Turner  
537 *Staurastrum furcatum* (Ehr.) Breb.  
538 *Staurastrum hexacerum* (Ehr.) Wittr.  
539 *Staurastrum columbetoides* West and West  
540 *Staurastrum arachne* var. *pulneyensis* Iyengar et vimala Bai  
541 *Staurastrum gracile* Ralfs  
542 *Triplastrum indicum* Iyengar et Ramanathan  
543 *Hyalotheca dissiliens* (Sm.) De Breb.  
544 *Desmidium bengalicum* Turner  
545 *Desmidium swartzii* Ag.  
546 *Gymnozyga moniliformis* Ehrenberg  
547 *Mougeotia laetivirens* (Braun) Wittr.  
548 *Mougeotia sphaerocarpa* Wolle  
549 *Zygnema czurdae* Randhawa  
550 *Zygnema cyaneum* Czurda  
551 *Spirogyra africana* (Fritsch) Czurda  
552 *Spirogyra communis* (Hassal) Kuetz.  
553 *Spirogyra flavescens* (Hass.) Kuetz.  
554 *Spirogyra gallica* Petit  
555 *Spirogyra hyalina* Cleve  
556 *Spirogyra irregularis* Nageli  
557 *Spirogyra lutetians* Petit  
558 *Spirogyra maravillosa* Transeau  
559 *Spirogyra microspora* Jag

- 560 *Spirogyra mirabilis* (Hassal) Kuetzing  
561 *Spirogyra randhawae* Kilkwitz and Krieger  
562 *Spirogyra rivularis* (Hassal) Rabenhorst  
563 *Spirogyra silvicola* Britton  
564 *Spirogyra texensis* Taft  
565 *Sirocladium vandalurense* Randhawa  
566 *Chara braunii* Gmelin  
567 *Chara braunii* var. *coromandelina* (A.Br.) Zaneveld  
568 *Chara corallina* Wildenow  
569 *Chara flaccida* Braun  
570 *Chara gymnopitys* Braun  
571 *Chara hydropitys* Reich  
572 *Chara hydropitys* var. *indica* A. Braun f. *minor* A. Braun  
573 *Chara hydropitys* var. *indica* A. Braun f. *major* A. Br,  
574 *Chara hydropitys* var. *indica* A. Braun f. *plumosa* Sundaralingam  
575 *Chara nuda* Pal  
576 *Chara vandalurensis* Sundaralingam  
577 *Chara zeylanica* Wildenow  
578 *Chara zeylanica* f. *macilenta* (A.Br.) Sundaralingam  
579 *Chara zeylanica* f. *incostans* (Kuetz.) Groves H. and J.  
580 *Chara zeylanica* f. *hildebrandtiana* (A.Br.) Sundaralingam  
581 *Chara zeylanica* f. *humboldtii* (Kuetz.) Groves H. and J.  
582 *Chara zeylanica* f. *curassavica* (A.Br.) Groves H. and J.  
583 *Nitella acuminata* A. Braun  
584 *Nitella annamalaiensis* Subramanian (Latin diagnosis not given)  
585 *Nitella flexilis* (L.) Ag. em Subramanian  
586 *Nitella pseudoflabellata* Braun  
587 *Nitella wattii* Groves  
588 *Nitella oligospira* Br.  
589 *Nitella furcata* (Roxburgh apud Bruzelius) Agardh  
590 *Nitella furcata* var. *roxburghii* (Braun) Zaneveld  
591 *Nitella mucronata* (Br.) Miquel  
592 *Nitella myriotrilchia* sub sp. *incurvata* Subramaniam

- 593 *Nitella myriotrilchia sub sp. acuminata* Subramaniam  
594 *Nitella tenuissima* (Desv.) Kutz.  
595 *Nitella hyalina* (De Cond.) Agardh  
596 *Nitella terrestris* Iyengar  
597 *Tolypella intricata em var. dispersa* Subramaniam  
598 *Euglena pringsheimii* Iyengar  
599 *Krishnamurthya shevarayensis* Chandra  
600 *Melosira distans* (Ehr.) Kuetz.  
601 *Fragilaria brevistriata* Grun. *f. elongata* Venkataraman  
602 *Fragilaria capuciana var. courtallensis* Krishnamurthy  
603 *Fragilaria construens* (Ehr.) Grun.  
604 *Synedra acus* Kutz.  
605 *Synedra rumpens* Kutz.  
606 *Synedra rumpens v. familiaris* (Kuetz.) Grun.  
607 *Synedra ulna* (Nitzsch) Ehr. *v. oxyrhyncus* (Kuetz.) van Heurck  
608 *Eunotia monodon* Ehr. *v. major* W. Sm.  
609 *Eunotia diodon* Ehr.  
610 *Eunotia gracilis* (Ehr.) Raben.  
611 *Eunotia sibirica* Cleve  
612 *Achnanthes minutissima* Kuetz.  
613 *Achnanthes affinis* Grun.  
614 *Caloneis bacillum* (Grun.) Mereschkowsky  
615 *Caloneis schumanniana v. biconstricta* Grun. *f. interrupta* Krishnamurthy  
616 *Neidium bisulcatum* (Lagerstedt) Cleve  
617 *Neidium productum* (W.Sm.) Cleve  
618 *Diploneis puella* (Schum.) Cleve  
619 *Stauroneis anceps* Ehr.  
620 *Navicula cuspidata f. indica* Krishnamurthy  
621 *Navicula spicula v. pulneyensis* Krishnamurthy  
622 *Navicula inflata* Donk.  
623 *Navicula cryptocephala v. veneta* (Kutz.) Grun.  
624 *Navicula lanceolata v. tenella* A.S.  
625 *Pinnularia braunii* (Grun.) Cleve

- 626 *Pinnularia gibba* Ehr.  
627 *Pinnularia modesta* Grun.  
628 *Pinnularia viridis* (Nitzsch) Ehr.  
629 *Pinnularia viridis* v. *intermedia* Cleve  
630 *Amphora veneta* (Kuetz.) Hust.  
631 *Cymbella cistula* (Hemp.) Grun.  
632 *Cymbella reinhardtii* Grun.  
633 *Cymbella amphicephala* Naegeli  
634 *Cymbella ventricosa* Kuetz.  
635 *Cymbella ventricosa* v. *depressa* Krishnamurthy  
636 *Gomphonema sphaerophorum* Ehr.  
637 *Gomphonema macropunctatum* Krishnamurthy  
638 *Gomphonema angustatum* v. *producta* Grun.  
639 *Gomphonema intricatum* Kuetz.  
640 *Gomphonema gracile* v. *lanceolata* (Kuetz.) Cleve  
641 *Gomphonema tergestinum* (Grun.) Fricke  
642 *Gomphonema longiceps* v. *subclavata* Grun.  
643 *Gomphonema acuminatum* v. *turris* Ehr.  
644 *Gomphonema olivaceum* (Lyngbye) Kuetz.  
645 *Gomphonema olivaceum* v. *calcareum* Cleve  
646 *Gomphonema abbreviatum* f. *minor* Krishnamurthy  
647 *Gomphonema abbreviatum* v. *pulneyensis* Krishnamurthy  
648 *Rhopalodia parallella* (Grun.) O.Muller  
649 *Hantzschia amphioxys* f. *capitata* O. Mull.  
650 *Nitzschia closterium* (Ehr.) W. Smith  
651 *Nitzschia tryblionella* v. *debilis* (Arnott) A. Meyer  
652 *Nitzschia scalaris* (Ehr.) W. Sm.  
653 *Nitzschia recta* Hantzsch  
654 *Nitzschia microcephala* Grun.  
655 *Nitzschia fonticola* Grun.  
656 *Nitzschia sigma* (Kuetz.) W. Sm.  
657 *Surirella linearis* W. Sm.  
658 *Surirella robusta* v. *splendida* (Ehr.) V.K.



- 659 *Surirella angustata v. constricta* Hust.  
660 *Chroothece richteriana* Hansgirg  
661 *Composopogon coeruleus* (Balbis) Montagne  
662 *Composopogon hookeri* Montagne  
663 *Composopogon iyengarii* Krishnamurthy  
664 *Batrachospermum ectocarpum* Sirodot  
665 *Batrachospermum desikacharyi* Sankaran  
666 *Batrachospermum umamaheswararaoi* Baluswami and Babu  
667 *Sirodotia cirrhosa* Skuja ex Balakrishnan and Chaugule  
668 *Tuomeya americana* (Kuetzing) Papenfuss

### **Freshwater algal diversity of higher altitudes**

Tamilnadu has a number of hills and mountain ranges belonging to eastern and western regions. These mountains have a number of temporary and perennial streams, natural and man made reservoirs form excellent habitats for freshwater algae and subaerial algae. However various workers have documented the freshwater algae of only selected places over the years. These include Shembagnur (Fremy as given in Desikachary, 1959), Kodaikanal Lake (Iyengar and Vimala bai, 1941), and Yercaud (Chandra, 2004; Chandra *et al.*, 2003). Premila *et al.*, (1990), Sankaran (1984, 2002, 2005a, 2005b) and Babu and Baluswami (2005) have reported several algae belonging to different groups.. All the algae belonging to higher altitudes of Tamilnadu are given in Table 7. It includes 92 taxa of blue green algae, 68 taxa of green algae, 8 taxa of diatoms and 3 species of freshwater red algae. It also

includes the only alga representing Chrysophyceae, reported and described as new to science from Yercaud hills and *Nitella acuminata* representing Charophyceae.

**Table 7 ALGAE OF HIGHER  
ALTITUDES**

- 1 *Aphanocapsa roeseana* de Bary
- 2 *Aphanothece stagnina* (Spreng.) A.Br.
- 3 *Aphanothece naegelii* Wartm.
- 4 *Aphanothece saxicola* Nag
- 5 *Aphanothece castagnei* (Breb.) Rabenh.
- 6 *Aphanothece microscopica* Nag.
- 7 *Dactylococcopsis fasciculatus* Lemm.f. *indica* Desikachary
- 8 *Gleocapsa livida* (Carm.) Kutz.
- 9 *Gloeothece fusco-lutea* Nag.
- 10 *Gloeothece membranacea* (Rabenh.) Bornet
- 11 *Gloeothece rupestris* (Lyngb.) Bornet
- 12 *Dermocarpa flahaultii* Sauvageau
- 13 *Stichosiphon sansibaricus* (Hieron) Drouet et Daily
- 14 *Hydrococcus rivularis* Ku
- 15 *Lyngbya bipunctata* Lemm.
- 16 *Lyngbya dendrobia* Bruhl et Biswas
- 17 *Lyngbya digueti* Gomont
- 18 *Lyngbya kuetzingii* Schmidle
- 19 *Lyngbya limnetica* Lemmermann
- 20 *Lyngbya mucicola* Lemmermann
- 21 *Lyngbya porphyrosiphonis* Fremy
- 22 *Microcoleus paludosus* (Kutz.) Gomont
- 23 *Oscillatoria foreani* Fremy
- 24 *Oscillatoria formosa* Bory ex Gomont
- 25 *Oscillatoria quadripunctulata* Bruhl et Biswas
- 26 *Oscillatoria splendida* Grev. Ex Gomont

- 27 *Oscillatoria tenuis* Ag. Ex Gomont
- 28 *Phormidium luridum* (Kutz.) Gomont
- 29 *Phormidium papyraceum* (Ag.) Gomont
- 30 *Phormidium retzii* (Ag.) Gomont
- 31 *Schizothrix friesii* (Ag.) Gomont
- 32 *Schizothrix friesii* (Ag.) Gomont *f. repens* Fremy
- 33 *Schizothrix lamyi* Gomont
- 34 *Schizothrix muelleri* Nag. *ex* Gomont *f. lyngbyoidea* Gomont
- 35 *Schizothrix purpurascens* (Kutz.) Gomont
- 36 *Spirulina subtilissima* Kutz. *ex* Gomont
- 37 *Symploca muralis* Kutzing *ex* Gomont
- 38 *Symploca muscorum* (Ag.) Gomont
- 39 *Geminifilum yercaudense* Chandra
- 40 *Aulosira aenigmatica* Fremy
- 41 *Cylindrospermum stagnale* (Kutz.) Born. *et* Flah
- 42 *Cylindrospermum stagnale f. sporolimbata* Fremy
- 43 *Nostoc commune* Vaucher *ex* Born. *et* Flah
- 44 *Nostoc krishnamurthyi* Chandra
- 45 *Nostoc microscopicum* Carm. *ex* Born. *et* Flah
- 46 *Nostoc parmelioides* Kutz. *ex* Born. *et* Flah
- 47 *Nostoc punctiforme* (Kutz.) Hariot
- 48 *Nostoc sphaericum* Vaucher *ex* Born. *et* Flah
- 49 *Nostoc spongiforme* Agardh *ex* Born *et* Flah
- 50 *Nostoc verrucosum* Vaucher *ex* Born *et* Flah
- 51 *Camptylonemopsis minor* Desikachary
- 52 *Camptylonemopsis pulneyensis* Desikachary
- 53 *Fortiea bossei* (Fremy) Desikachary
- 54 *Microchaete aequalis* (Fremy) Desikachary
- 55 *Microchaete elongata* (Fremy) Desikachary
- 56 *Microchaete tenera* Thuret *ex* Born. *et* Flah
- 57 *Petalonema alatum* Beck
- 58 *Plectonema nostocorum* Bornet *ex* Gomont
- 59 *Plectonema wollei* Farlow *ex* Gomont

- 60 *Scytonema coactile* Montagne ex Born. Et Flah
- 61 *Scytonema fremyii* Desikachary
- 62 *Scytonema guyanense* (Mont.) Bornet et Flahault
- 63 *Scytonema hofmanni* var. *symplocoides* (Reinsch) Bornet et Flahault
- 64 *Scytonema javanicum* (Kutz.) Bornet ex Born. Et Flah.
- 65 *Scytonema mirabile* (Dillw.) Born.
- 66 *Scytonema pseudoguyaneuse* Bharadwaja
- 67 *Scytonema rivulare* Borzi ex Born. Et Flah
- 68 *Scytonema saleyeriense* Weber van Bosse var. *indica* Bharadwaja
- 69 *Scytonema schmidtii* Gom
- 70 *Scytonema stuposum* (Kutzing) Bornet ex Born. Et Flah
- 71 *Tolypothrix foreauii* Fremy
- 72 *Tolypothrix limbata* Thuret
- 73 *Tolypothrix rechingeri* (Wille) Geitler
- 74 *Calothrix fusca* (Kutz.) Bornet et Flahault
- 75 *Calothrix parietina* Thuret ex Born. Et Flah
- 76 *Dichothrix compacta* Born. et Flah
- 77 *Rivularia dura* Roth ex Born. et Flah. var. *confluens* Fremy
- 78 *Rivularia manginii* Fremy
- 79 *Rivularia manginii* Fremy var. *confluens* Fremy
- 80 *Nostochopsis lobatus* Wood em. Geitler
- 81 *Nostochopsis radians* Bharadwaja
- 82 *Mastigocladus laminosus* Cohn var. *indicus* Desikachary
- 83 *Fisherellopsis moniliforme* (Fremy) Fritsch
- 84 *Haplosiphon delicatulus* W. et G.S. West
- 85 *Haplosiphon intricatus* W. et G.S. West
- 86 *Haplosiphon stuhlmannii* Hieron
- 87 *Stigonema dendroideum* Fremy
- 88 *Stigonema hormoides* (Kutz.) Born. et Flah
- 89 *Stigonema informe* Kutz. ex Born. et Flah.
- 90 *Stigonema mesentericum* Geitler
- 91 *Stigonema minutum* (Ag.) Hassall ex Born. et Flah
- 92 *Stigonema panniformis* (Ag.) Born. et Flah

- 93 *Pediastrum tetras* (Her.) Ralfs
- 94 *Tetraedron caudatum*. (Corda) Hansging.
- 95 *Dendrocystis raoi* Iyengar
- 96 *Ecballocystis courtallensis* Iyengar
- 97 *Ecballocystopsis indica* Iyengar
- 98 *Kirchneriella lunaris* (Kirchner) Moebius.
- 99 *Scenedesmus opoliensi* P. Richter
- 100 *Ulothrix idiospora* West
- 101 *Ulothrix tenuissima* Kuetzing
- 102 *Ulothrix variabilis* Kuetzing
- 103 *Oedogonium hatei* Kam
- 104 *Chaetophora elegans* (Roth) Agardh
- 105 *Rhizoclonium fontinale* Kuetzing
- 106 *Trentepohila aurea* (Linn.) Martius
- 107 *Trentepohila abietina* (Flotow) Hansg.
- 108 *Trentepohlia monili* var. *subspherica* Nirmala, Premila and Bharathan
- 109 *Trentepohila odorata* (Wiggers) Wittrock
- 110 *Trentepohlia shevaroyensis* Chandra
- 111 *Phycopeltis arundinacea* (Montagne) de Toni
- 112 *Phycopeltis epiphyton* Millardet
- 113 *Phycopeltis lobata* Chandra
- 114 *Phycopeltis prolfera* Chandra
- 115 *Phycopeltis verrucosa* Chandra
- 116 *Gonatozygon kinahani* Rabenhorst
- 117 *Netrium digiltus* (Ehrenbg.) Itzigs and Rothe
- 118 *Closterium libellula* Focke var. *pulneyensis* Iyengar et Vimala Bai
- 119 *Closterium kutzilngii* Breb.
- 120 *Closterium diana*e Ehrenberg
- 121 *Closterium didymolocum* Corda
- 122 *Pleurotaenium trabecula* (Ehreb.) Nageli
- 123 *Pleurotaenium minutum* Delp. var. *gracile* Wille
- 124 *Pleurotaenium kayei* Rabenh.
- 125 *Pleurotaenium tessellatum* (Joshua) Lagerh. var. *bulbosum* Krieger

- 126 *Euastrum sinuosum* Lenorm.
- 127 *Micrasterias pinnatifida* (Kutz.) Ralfs.
- 128 *Micrasterias incisa* (Breb.) Ralfs. var. *wallichiana* Turner
- 129 *Cosmarium javanicum* Nordstet.
- 130 *Cosmarium moniliforme f. punctata* Lagerh.
- 131 *Cosmarium moniliforme f. panduriformis* Heimerl
- 132 *Cosmarium obsoletum* (Hantzsch) Reinsch
- 133 *Cosmarium globosum* Bulnh.
- 134 *Cosmarium pachydermum var. indicum* Iyengar et Vimala Bai
- 135 *Xanthidium sexmamillatum var. pulneyensis* Iyengar et Vimala Bai
- 136 *Arthrodesmus subulatus* Kutz.
- 137 *Staurastrum corniculatum var. spinigerum* West
- 138 *Staurastrum tohopikaligense* Wolle.
- 139 *Staurastrum unicolorne v. gracile* Iyengar et Vimala Bai
- 140 *Staurastrum contectum var. ilnevolutum* Turner
- 141 *Staurastrum longilbrachiatum var. inntermedium* Iyengar et Vimala Bai
- 142 *Staurastrum retusum var. punctulatum* Eichl. And Gutwin.
- 143 *Staurastrum gladiusum* Turner
- 144 *Staurastrum furcatum* (Ehr..) Breb.
- 145 *Staurastrum hexacerum* (Ehr.) Wittr.
- 146 *Staurastrum columbetoides* West and West
- 147 *Staurastrum arachne var. pulneyensis* Iyengar et vimala Bai
- 148 *Staurastrum gracile* Ralfs
- 149 *Hyalotheca dissiliens* (Sm.) De Breb.
- 150 *Desmidium bengalicum* Turner
- 151 *Desmidium swartzii* Ag.
- 152 *Gymnozyga moniliformis* Ehrenberg
- 153 *Spirogyra flavescens* (Hass.) Kuetz.
- 154 *Spirogyra gallica* Petit
- 155 *Spirogyra hyalina* Cleve
- 156 *Spirogyra maravillosa* Transeau
- 157 *Spirogyra microspora* Jag
- 158 *Spirogyra mirabilis* (Hassal) Kuetzing

- 159 *Spirogyra rivularis* (Hassal) Rabenhorst  
 160 *Spirogyra silvicola* Britton  
 161 *Nitella acuminata* A. Braun  
 162 *Krishnamurthya shevarayensis* Chandra  
 163 *Fragilaria brevistriata* Grun. *f. elongata* Venkataraman  
 164 *Fragilaria construens* (Ehr.) Grun.  
 165 *Navicula spicula v. pulneyensis* Krishnamurthy  
 166 *Gomphonema olivaceum v. calcarea* Cleve  
 167 *Gomphonema abbreviatum f. minor* Krishnamurthy  
 168 *Gomphonema abbreviatum v. pulneyensis* Krishnamurthy  
 169 *Rhopalodia parallella* (Grun.) O.Muller  
 170 *Nitzschia closterium* (Ehr.) W. Smith  
 171 *Batrachospermum desikacharyi* Sankaran  
  
 172 *Sirodotia cirrhosa* Skuja ex Balakrishnan and Chaugule  
  
 173 *Tuomeya americana* (Kuetzing) Papenfuss

### **Freshwater algal diversity of plains**

A total number of 475 taxa of algae are reported to occur in the plains of Tamilnadu. The majority of them ( 279) belong to the Chlorophyceae followed by the Cyanophyceae (107), diatoms (50), charophytes (31) and a euglenoid. These are listed in Table 8. The freshwater algae in the plains of Tamilnadu are dominated by the member of the Chlorophyceae in general and particularly with the members of Volvocales and Chlorococcales with 131 and 80 taxa respectively. Members of these two orders alone account for 75% the green algae of the plains. Most of the members of Volvocales that account for nearly 50% of the green algae were collected

from temple tanks, beach pools, road side puddles, stagnant rain water pools around triplicane and lakes and agricultural fields at Vandalur and near by places.

**Table8 Freshwater algae of plains of  
Tamilnadu**

- 1 *Aphanocapsa elachista* N. et G.S.West.
- 2 *Aphanothece nidulans* Richter
- 3 *Aphanothece pallida* (Kutz.) Rabenh.
- 4 *Chroococcus cohaerens* (Breb.) Naegeli
- 5 *Chroococcus tenax* (Kirchn) Hieron
- 6 *Coelosphaerium kuetzingianum* Nag.
- 7 *Dactylococcopsis fasciculatus* Lemm.f. *indica* Desikachary
- 8 *Gleocapsa calcarea* Tilden
- 9 *Gleocapsa kuetzingiana* Nag.
- 10 *Gloeocapsa magma* (Breb) Kutz.
- 11 *Gloeocapsa punctata* Nag.
- 12 *Gloeothece samoensis* Wille
- 13 *Gloeothece vibio* Carter
- 14 *Gloeothece samoensis* Wille var. *major* Wille
- 15 *Gomphosphaeria aponina* Kutz.
- 16 *Merismopedia glauca* (Ehrenb.) Nag.
- 17 *Merismopedia marssonii* Lemm.
- 18 *Merismopedia punctata* Meyen
- 19 *Merismopedia tenuissima* Lemm.
- 20 *Microcystis aeruginosa* Kutz.
- 21 *Microcystis elongata* Desikachary
- 22 *Microcystis flos-aquae* (Wiltra) Kirchner
- 23 *Microcystis marginata* (Menegh.) Kutz.
- 24 *Microcystis protocystis* Crow
- 25 *Microcystis pseudofilamentosa* Crow
- 26 *Microcystis robusta* (Clark) Nygaard



- 27 *Microcysis scripta* (Richter) Lemm.
- 28 *Microcystis viridis* (A.Br.) Lemm.
- 29 *Synechococcus cedrorum* Sauvageau
- 30 *Synechocystis pevalekii* Ercegovic
- 31 *Johannesbaptistia pellucida* (Dickie) Taylor et Drouet
- 32 *Chroococciopsis indica* Desikachary
- 33 *Chamaesiphon rostaffinskii* (Rostaf) Hansgirg
- 34 *Dermocarpa clavata* (Setchell et Gardner) Geitler
- 35 *Myxosarcina spectabilis* Geitler
- 36 *Arthrospira massartii* Kuffareth var. *indica*
- 37 *Crinalium magnum* Fritsch et John
- 38 *Lyngbya aeruginosa-coerulea* (Kuetz.) Gomont
- 39 *Lyngbya aestuarii* var. *arbustiva* Bruhl et Biswas
- 40 *Lyngbya arboricola* Bruhl et Biswas
- 41 *Lyngbya Chaetomorphae* Iyengar et Desikachary
- 42 *Lyngbya contorta* Lemm.
- 43 *Lyngbya kuetzingii* Schmidle var. *minor* Gardner
- 44 *Lyngbya lagerheimii* (Mob) Gomont f. *minor* Desikachary
- 45 *Lyngbya majuscula* Harvey ex Gomont
- 46 *Lyngbya spiralis* Geitler
- 47 *Lyngbya spirulinoides* Gomont
- 48 *Microcoleus chthonoplastes* Thuret ex Gomont
- 49 *Oscillatoria agardhii* Gomont
- 50 *Oscillatoria amphibia* Ag. Ex Gomont
- 51 *Oscillatoria angustata* Koppe
- 52 *Oscillatoria cortiana* Menegh
- 53 *Oscillatoria earlei* Gardner
- 54 *Oscillatoria irrigua* (Kutz.) Gomont
- 55 *Oscillatoria limnetica* Lemm
- 56 *Oscillatoria limosa* Ag. Ex Gomont
- 57 *Oscillatoria obscura* Bruhl
- 58 *Oscillatoria princeps* Vaucher ex Gomont
- 59 *Oscillatoria raciborskii* Wolosz

- 60 *Oscillatoria subbrevis* Schmidle
- 61 *Oscillatoria subbrevis* Schmidle f. minor Desikachary
- 62 *Oscillatoria subuliformis* Kutz. Ex Gomont
- 63 *Oscillatoria tanganyikae* G.S. West
- 64 *Phormidium angustissimum* W. et G.S. West
- 65 *Phormidium bigranulatum* Gardner
- 66 *Phormidium corium* (Ag.) Gomont
- 67 *Phormidium fragile* (Meneghini) Gomont
- 68 *Phormidium molle* (Kutz.) Gomont
- 69 *Phormidium mucicola* Hub.-Pestalozzi et Naumann
- 70 *Phormidium uncinatum* (Ag.) Gomont
- 71 *Polychlamydomonads insigne* West et West
- 72 *Porphyrosiphon notarisii* (Menegh) Kutz
- 73 *Spirulina labyrinthiformis* (Menegh.) Gomont
- 74 *Spirulina laxissima* West
- 75 *Spirulina laxissima* West f. major Desikachary
- 76 *Spirulina meneghiniana* Zanard. ex Gomont
- 77 *Spirulina princeps* W. et G.S. West<sup>65</sup>
- 78 *Spirulina subsalsa* Oerst. ex Gomont
- 79 *Trichodesmium lacustre* Klebahn
- 80 *Anabaena aphanizomenoides* Forti
- 81 *Anabaena flos-aquae* (Lyngb.) Breb. ex Born. et Flah
- 82 *Anabaena sphaerica* Bornet et Flahault
- 83 *Anabaena sphaerica* var. *attenuata* Bharadwaja
- 84 *Anabaena utermohlii* Geitler
- 85 *Anabaena randhawae* Venkataraman
- 86 *Anabaenopsis arnoldii* Aptekarj var. *indica* Ramanathan
- 87 *Anabaenopsis circularis* (G.S. West) Wolosz. et Miller var. *javanica* Wolosz.
- 88 *Aulosira fritschii* Bharadwaja
- 89 *Aulosira prolifica* Bharadwaja
- 90 *Nostoc spongiforme* var. *varians* Rao, C.B.
- 91 *Raphidiopsis curvata* Fritsch et Rich
- 92 *Camptylonemopsis iyengarii* Desikachary

- 93 *Fortiea bossei* (Fremy) Desikachary
- 94 *Microchaete aeruginea* Batters
- 95 *Plectonema tomasinianum* (Kutz.) Born. *ex Gomont var. vandalorensis* Desikachary
- 96 *Scytonema amplum* West et West
- 97 *Scytonema bohneri* Schmidle
- 98 *Scytonema mirabile f. minor* Bharadwaja
- 99 *Scytonema pascheri* Bharadwaja
- 100 *Tolypothrix bouteillei* (Breb. Et Desm.) Forti
- 101 *Calothrix stellaris* Bornet et Flahault
- 102 *Calothrix wembaerensis* Hieronet Schmidle
- 103 *Dichothrix baneriana* (Grun.) Born. Et Flah
- 104 *Gloeotrichia natans* Rabenhorst *ex Born. Et Flah*
- 105 *Gloeotrichia pilgeri* Schmidle
- 106 *Gloeotrichia raciborskii* Woloszynska
- 107 *Westiellopsis prolifica* Janet
- 108 *Astrephomene gubernaculifera* Pocock
- 109 *Carteria arenariae* Iyengar
- 110 *Carteria ellipsoidalis* Bold
- 111 *Carteria globosa* Korschikoff
- 112 *Carteria iyengarii* Ramanathan
- 113 *Carteria klebsii* (Dang) France *em Troitskaja*
- 114 *Carteria madrasensis* Iyengar
- 115 *Carteria multifilis* (Fres) Dill
- 116 *Carteria pascheri* Skuja
- 117 *Carteria peterhofiensis* Kors
- 118 *Carteria polystricta* Nygaard
- 119 *Carteria radiosa* Korsch
- 120 *Chlamydomonas acuta* Kors
- 121 *Chlamydomonas badensis* Moewns
- 122 *Chlamydomonas coniformis* Pascher *var. minor* Iyengar
- 123 *Chlamydomonas conochilae* Iyengar
- 124 *Chlamydomonas conoides* Iyengar
- 125 *Chlamydomonas ehrenbergii* Gorosch

- 126 *Chlamydomonas eudorinae* Iyengar
- 127 *Chlamydomonas frankii* Pascher
- 128 *Chlamydomonas globosa* Snow
- 129 *Chlamydomonas globosa* var. *arenariae* Iyengar
- 130 *Chlamydomonas gracilis* Snow
- 131 *Chlamydomonas hexangularis* Iyengar
- 132 *Chlamydomonas isogama* Kors
- 133 *Chlamydomonas kakosmos* Moewus
- 134 *Chlamydomonas kirchneriellae* Iyengar
- 135 *Chlamydomonas madraspatensis* Iyengar
- 136 *Chlamydomonas microcystiae* Iyengar
- 137 *Chlamydomonas microsphaera* Pascher et Jahoda
- 138 *Chlamydomonas moadina* (Her.) Stein var. *indica* Iyengar
- 139 *Chlamydomonas multipyrenoidosa* Iyengar
- 140 *Chlamydomonas obovata* Iyengar
- 141 *Chlamydomonas oocysticola* Iyengar
- 142 *Chlamydomonas orbicularis* E.G. Pringsh
- 143 *Chlamydomonas pertusa* var. *indica* Iyengar
- 144 *Chlamydomonas planoconvexa* Iyengar
- 145 *Chlamydomonas pseudagloe* Pascher
- 146 *Chlamydomonas pseudobadensis* Iyengar
- 147 *Chlamydomonas pseudoepiphytica* Iyengar
- 148 *Chlamydomonas pseudohaematococcoides* Iyengar
- 149 *Chlamydomonas pseudopertusa* Iyengar
- 150 *Chlamydomonas pseudopertyi* Pascher
- 151 *Chlamydomonas pseudopolypyrenoidea* Iyengar
- 152 *Chlamydomonas pseudorotula* Iyengar
- 153 *Chlamydomonas pseudostellata* Iyengar
- 154 *Chlamydomonas pseudotarda* Bourr.
- 155 *Chlamydomonas pseudotetraolaris* Iyengar
- 156 *Chlamydomonas pyriformis* Iyengar
- 157 *Chlamydomonas regularis* Kors
- 158 *Chlamydomonas reinhardi* Dang

- 159 *Chlamydomonas rubrifilum* Kors  
160 *Chlamydomonas snowiae* Printz  
161 *Chlamydomonas steinii* Gorosch  
162 *Chlamydomonas stellata* Dill  
163 *Chlamydomonas terrestris* Petersen  
164 *Chlamydomonas tetracitidis* Iyengar  
165 *Chlamydomonas triplicanensis* Iyengar  
166 *Chlamydomonas umbonata* Pascher  
167 *Chlamydomonas volvocicola* Iyengar  
168 *Chlamydomonas zebra* Kors  
169 *Chlorogonium elongatum* (Dang.) France  
170 *Chlorogonium leiostracum* Strehlow  
171 *Chlorogonium metamorphum* Skuja  
172 *Chlorogonium minutissimum* Iyengar  
173 *Chlorogonium setaceum* Iyengar  
174 *Chlorogonium tetragamum* Bohlin  
175 *Chloromonas conoides* Iyengar  
176 *Chloromonas dehlemensis* Gerloff  
177 *Chloromonas paradoxa* Kors  
178 *Chloromonas pseudoplatyryncha* (Pascher) Silva  
179 *Chloromonas urinaria* Iyengar  
180 *Diplostauron indicum* Iyengar  
181 *Hyalogonium klebsii* Pascher  
182 *Lobomonas rostrata* HazenL  
183 *Lobomonas spinosa* Iyengar  
184 *Lobomonas stellata* hodat  
185 *Phyllariochloris indica* Iyengar  
186 *Polytoma uvella* Her.  
187 *Sphaerellopsis gloeocystiformis* (Dill) Gerloff  
188 *Sphaerellopsis pyriformis* Iyengar  
189 *Sphaerellopsis reticularis* Iyengar  
190 *Tussetia polytomoides* Pascher  
191 *Collodictyon indicum* Iyengar

- 192 *Spermatozopsis exsultans* Korsch Koff  
193 *Heteromastrix angulata* Kors.  
194 *Oltmansiella lineata* Zimm.  
195 *Cephalomonas granulata* Higinbotham  
196 *Coccomonas orbicularis* Stein  
197 *Delphimonas hemisphaerica* Iyengar  
198 *Dysmorphococcus coccifer* Kors  
199 *Dysmorphococcus indicus* Iyengar  
200 *Dysmorphococcus punctatus* Fott  
201 *Dysmorphococcus variabilis* Takeda  
202 *Fortiella elliptica* Iyengar  
203 *Fortiellopsis madraspatensis* Iyengar  
204 *Melomonas hemisphaericus* Iyengar  
205 *Pedinopera rugulosa* (Playfair) Pascher  
206 *Pedinoperopsis gracilis* Kors  
207 *Phacotus lenticularis* (Her.) Stein  
208 *Pteromonas aculeata* Lemm.  
209 *Pteromonas angulosa* (carter) Lemm.  
210 *Pteromonas angulosa* v. *cordiformis* (Lemm.) Philipose  
211 *Pteromonas madrasensis* Iyengar  
212 *Pteromonas multipyrenoidea* Iyengar  
213 *Pteromonas rectangularis* Lemm.  
214 *Pteromonas sinuosa* Ghodat  
215 *Pyramidococcus indicus* Iyengar  
216 *Thorakomonas irregularis* Kors  
217 *Thorakomonas sabulosa* Kors  
218 *Wislouchiella planctonica* Skvortz  
219 *Platymonas haseni* (Butcher) Iyengar et Desikachary  
220 *Platymonas madrasensis* Iyengar  
221 *Scherffelia ovata* Pascher  
222 *Pyramimonas stellata* Iyengar  
223 *Pyrobotrys casinoensis* (Playfair) Silva  
224 *Pyrobotrys elongata* Kors

- 225 *Pyrobotrys stellata* (Kors.) Kors.  
226 *Eudorina charkowiensis* (Kors.) Pascher  
227 *Eudorina elegans* Iyengar  
228 *Eudorina illinoisensis* (Kofoid) Pascher  
229 *Eudorina indica* Iyengar  
230 *Gonium compactum* Iyengar  
231 *Gonium discoideum* Prescott  
232 *Gonium pectorale* Mull  
233 *Pandorina cylindricum* Iyengar  
234 *Pandorina morum* (Mull.) Bory *var. major* Iyengar  
235 *Pleodorina sphaerica* Iyengar  
236 *Volvox carteri* Stein  
237 *Volvox globator* Linn. Em Ehrb. *var. madraspatensis* Iyengar  
238 *Volvox merrilli* Shaw  
239 *Gleococcus lateralis* Iyengar  
240 *Gleococcus pyriformis* Iyengar  
241 *Gleococcus simplex* Iyengar  
242 *Asterococcus superbis* (Cienk) Scherffel  
243 *Gloeocystis ampla* Kuetzing  
244 *Gloeocystis banneergatensis* Iyengar  
245 *Gloeodenedron ramosum* Kors.  
246 *Tetrasporidium javanicum* Moebius  
247 *Pseudosphaerocystis indica* Iyengar  
248 *Gloeochaete wittrockiana* Lagerheim  
249 *Apiocystis globosa* Kors  
250 *Paulshulzia indica* Iyengar  
251 *Schizochlamys gelatinosa*  
252 *Tetraspora laterale* Iyengar and Ramanathan  
253 *Tetraspora vandalurensis* Iyengar  
254 *Askenasyella randhawai* Ramanathan  
255 *Characiochloris anaphelesii* Iyengar  
256 *Chlorangiochlois epizootica* Iyengar  
257 *Physocytium indium* Iyengar

- 258 *Chlamydocystis indica* Iyengar  
 259 *Chloangiella mucigena* Ramanathan in Iyengar  
 260 *Chlorangiella consociata* (Kors.) Fott.  
 261 *Stylosphaeridiella crucigeniae* Iyengar  
 262 *Chlorophysema madrasensis* Iyengar  
 263 *Hypnomonas indicus* Iyengar  
 264 *Nautococcus caudatus* Kors  
 265 *Nautococcus madrasensis* Iyengar  
 266 *Nautococcus indicus* Iyengar  
 267 *Characiosiphon rivularis* Iyengar  
 268 *Characium debaryanum* (Reilnsch) De Toni  
 269 *Characium terrestris* Kanthamma  
 270 *Korshikoviella limnetice* (Lemm) Silva  
 271 *Schroederia planctonica* (Skuga) Philipose  
 272 *Chlorococcum humicolum* (Naegeli) Rabenhorst.  
 273 *Pediastrum simplex* Meyen var. *duodenarium* (Bailay) Rabenhorst  
 274 *Pediastrum ovatum* (Her.) A. Braun  
 275 *Pediastrum boryanum* (Turpin) Meneghini  
 276 *Pediastrum duplex* Meyen  
 277 *Pediastrum duplex* var. *clathratum* (A. Braun) Lagerheim.  
 278 *Pediastrum duplex* var. *reticulatum* Lagerheim  
 279 *Pediastrum duplex* var. *gracillimum* W.et. G. S. west  
 280 *Pediastrum duplex* var. *subgranulatum* Raciborski  
 281 *Hydrodictyon indicum* Iyengar  
 282 *Tetraedron simmeri* Schmidle var. *minus* Philipose  
 283 *Tetraedron trigonum* (Naegeli) Hansging  
 284 *Tetraedron trigonum* f. *gracile* (Rainsch) De Toni.  
 285 *Tetraedron regulare* Kuetzing. Var. *torsum* (Turner) Brunnthaler.  
 286 *Tetraedron pentaedricum* W.et. G.S. West.  
 287 *Tetraedron gracile* (Reinsch) Hansging. f. *minus* Philipose  
 288 *Tetraedron pusillum* var. *angolense* W.et.G.S. West. f. *minus* Philipose  
 289 *Polyedriopsis spinulosa* (Schmidle) schmidle.  
 290 *Lagerheimia chodati* Bernard



- 291 *Glaucocystis nostochinearum* Rabenhorst  
 292 *Oocystis borgei* snow  
 293 *Oocystis irregularis* (Petkof) Printz  
 294 *Botryococcus braunii* Kuetzing  
 295 *Dictyosphaerium pulchellum* Wood.  
 296 *Dictyosphaerium indicum* Iyengar *et* Ramanathan.  
 297 *Westella botryoides* (W.West) dewildeman.  
 298 *Ankistrodesmus falcatus* (corda) Ralfs.  
 299 *Actinastrum hantschii* Lagerheim.  
 300 *Kirchneriella lunaris* (Kirchner) Moebius.  
 301 *Coelastrum cambrium v. intermedium* Bohin  
 302 *Coelastrum microsporum* Naegeli  
 303 *Coelastrum reticulatum* (Dangeard) Senn.  
 304 *Crucigenia rectangularis* (A.Braun) Gay  
 305 *Crucigenia tetrapedia* (Kirchner) W.et.G.S.West.  
 306 *Crucigenia quadrata* Morren.  
 307 *Tetrastrum staurogeniaeforme* (Schroeder) Lemm.  
 308 *Scenedesmus obligous* (Turpin) Kuetzing  
 309 *Scenedesmus dimorphus* (Turpin) Kuetzing.  
 310 *Scenedesmus bijugatus* (Turpin) Kuetzing  
 311 *Scenedesmus bijugatus var. graevenitzii* (Bernard) Philipose  
 312 *Scenedesmus bijugatus f. irregularis* Wille  
 313 *Scenedesmus bijugatus f. parvus* (G.M.Smith) Philipose  
 314 *Scenedesmus denticulatus* Lagerheim. *var. australis* Playfair.  
 315 *Scenedesmus longus* Meyen. *var. dispar* (Brebisson) G.M.Smith  
 316 *Scenedesmus tropicus* crow  
 317 *Scenedesmus quadricauda* (Turpin) Brebisson.  
 318 *Scenedesmus quadricauda var. bicaudatus* Hansging  
 319 *Scenedesmus quadricauda var. longispina* (chodat) G.M.Smith  
 320 *Nautococcus triplicanensis* Iyengar  
 321 *Geminella minor* (Naegeli) Heerilng  
 322 *Hormidium pseudomirabile* Ramanathan  
 323 *Stichococcus bacillaris* Naegeli

- 324 *Stichococcus fragilis* (A. Braun) Gay  
325 *Gloeotilopsis planctonica* Iyengar et Philipose  
326 *Heterotrichopsis viridis* Iyengar et Kanthamma  
327 *Ulothrix moniliformis* Kuetzing  
328 *Ulothrix zonata* (Weber et Mohr) Kuetz.  
329 *Cylindrocapsa involuta* Reinsch  
330 *Cylindrocapsopsis indica* Iyengar  
331 *Oedogonium biforme* Nordst  
332 *Oedogonium lemmermannii* Tiff.  
333 *Oedogonium mitratum* Hirn  
334 *Oedogonium princeps* (Hass) Wittr.  
335 *Oedogonium sociale* Wittr  
336 *Oedogonium subdepressum* Jao  
337 *Bulbochaete gigantea* Pringsh  
338 *Bulbochaete macrandria* Ley  
339 *Chaetophora pisiformis* (Roth) Agardh  
340 *Stigeoclonium aestivale* (Hazen) Collins  
341 *Stigeoclonium attenuatum* Hazen  
342 *Stigeoclonium helveticum* Vischer  
343 *Stigeoclonium tenue* (Ag) Kuetzing emend Sankaran  
344 *Stigeoclonium segarae* Islam  
345 *Stigeoclonium variabile* (Naegeli) Islam  
346 *Fritschiella tuberosa* Iyengar  
347 *Draparnaldiopsis indica* Bharadwaja  
348 *Phaeophila dendroides* (Crouan) Batters  
349 *Entocladia viride* Reinke  
350 *Uronema terrestre* Mitra  
351 *Aphanochaete repens* A. Braun  
352 *Desmococcus olivaceus* (Peraon et Acharius) J.R. Laundon  
353 *Entocladia viridis* Reinke  
354 *Entocladia leptochaete* (Huber) Burrows  
355 *Pseuduvella americana* (Snow) Wille  
356 *Pseuduvella americana* (Snow) Wille var. *indicus* Philipose

- 357 *Enteromorpha intermedia* Bliding  
358 *Pithophora polymorpha* Wittrock  
359 *Trentepohlia monili* de Wildeman  
360 *Phycopeltis epiphyton* Millardet  
361 *Phycopeltis lobata* Chandra  
362 *Phycopeltis prolfera* Chandra  
363 *Phycopeltis verrucosa* Chandra  
364 *Coleochaete irregularis* Pringsheim  
365 *Coleochaete pulvinata* A.Braun in Kutzing  
366 *Coleochaete scutata* Breb  
367 *Mougeotia laetivirens* (Braun) Wittr.  
368 *Mougeotia sphaerocarpa* Wolle  
369 *Triplastrum indicum* Iyengar et Ramanathan  
370 *Zygnema czurdae* Randhawa  
371 *Zygnema cyaneum* Czurda  
372 *Spirogyra africana* (Fritsch) Czurda  
373 *Spirogyra communis* (Hassal) Kuetz.  
374 *Spirogyra flavescens* (Hass.) Kuetz.  
375 *Spirogyra gallica* Petit  
376 *Spirogyra hyalina* Cleve  
377 *Spirogyra irregularis* Nageli  
378 *Spirogyra lutetians* Petit  
379 *Spirogyra maravillosa* Transeau  
380 *Spirogyra microspora* Jag  
381 *Spirogyra mirabilis* (Hassal) Kuetzing  
382 *Spirogyra randhawae* Kilkwitz and Krieger  
383 *Spirogyra rivularis* (Hassal) Rabenhorst  
384 *Spirogyra silvicola* Britton  
385 *Spirogyra texensis* Taft  
386 *Sirocladium vandalurense* Randhawa  
387 *Chara braunii* Gmelin  
388 *Chara braunii* var. *coromandelina* (A.Br.) Zaneveld  
389 *Chara corallina* Wildenow

- 390 *Chara flaccida* Braun  
391 *Chara gymnopitys* Braun  
392 *Chara hydropitys* Reich  
393 *Chara hydropitys* var. *indica* A. Braun f. *minor* A. Braun  
394 *Chara hydropitys* var. *indica* A. Braun f. *major* A. Br,  
395 *Chara hydropitys* var. *indica* A. Braun f. *plumosa* Sundaralingam  
396 *Chara nuda* Pal  
397 *Chara vandalurensis* Sundaralingam  
398 *Chara zeylanica* Willdenow  
399 *Chara zeylanica* f. *macilentata* (A.Br.) Sundaralingam  
400 *Chara zeylanica* f. *incostans* (Kuetz.) Groves H. and J.  
401 *Chara zeylanica* f. *hildebrandtiana* (A.Br.) Sundaralingam  
402 *Chara zeylanica* f. *humboldtii* (Kuetz.) Groves H. and J.  
403 *Chara zeylanica* f. *curassavica* (A.Br.) Groves H. and J.  
404 *Nitella annamalaiensis* Subramanian (Latin diagnosis not given)  
405 *Nitella flexilis* (L.) Ag.em Subramanian  
406 *Nitella pseudoflabellata* Braun  
407 *Nitella wattii* Groves  
408 *Nitella oligospira* Br.  
409 *Nitella furcata* (Roxburgh apud Bruzelius) Agardh  
410 *Nitella furcata* var. *roxburghii* (Braun) Zaneveld  
411 *Nitella mucronata* (Br.) Miquel  
412 *Nitella myriotrilchia* sub sp. *incurvata* Subramaniam  
413 *Nitella myriotrilchia* sub sp. *acuminata* Subramaniam  
414 *Nitella tenuissima* (Desv.) Kutz.  
415 *Nitella hyalina* (De Cond.) Agardh  
416 *Nitella terrestris* Iyengar  
417 *Tolypella intricata* em var. *dispersa* Subramaniam  
418 *Euglena pringsheimii* Iyengar  
419 *Melosira distans* (Ehr.) Kuetz.  
420 *Melosira sulcata* (Ehr.) Kuetzing  
421 *Fragilaria capuciana* var. *courtallensis* Krishnamurthy  
422 *Synedra acus* Kutz.

- 423 *Synedra rumpens* Kutz.  
424 *Synedra rumpens* v. *familiaris* (Kuetz.) Grun.  
425 *Synedra ulna* (Nitzsch) Ehr. v. *oxyrhyncus* (Kuetz.) van Heurck  
426 *Eunotia monodon* Ehr. v. *major* W. Sm.  
427 *Eunotia diodon* Ehr.  
428 *Eunotia gracilis* (Ehr.) Raben.  
429 *Eunotia sibirica* Cleve  
430 *Achnanthes minutissima* Kuetz.  
431 *Caloneis bacillum* (Grun.) Mereschkowsky  
432 *Caloneis schumanniana* v. *biconstricta* Grun. f. *interrupta* Krishnamurthy  
433 *Neidium bisulcatum* (Lagerstedt) Cleve  
434 *Neidium productum* (W.Sm.) Cleve  
435 *Diploneis puella* (Schum.) Cleve  
436 *Stauroneis anceps* Ehr.  
437 *Navicula cuspidata* f. *indica* Krishnamurthy  
438 *Navicula cryptocephala* v. *veneta* (Kutz.) Grun.  
439 *Pinnularia braunii* (Grun.) Cleve  
440 *Pinnularia gibba* Ehr.  
441 *Pinnularia modesta* Grun.  
442 *Pinnularia viridis* (Nitzsch) Ehr.  
443 *Pinnularia viridis* v. *intermedia* Cleve  
444 *Amphora veneta* (Kuetz.) Hust.  
445 *Cymbella cistula* (Hemp.) Grun.  
446 *Cymbella reinhardtii* Grun.  
447 *Cymbella amphicephala* Naegeli  
448 *Cymbella ventricosa* Kuetz.  
449 *Cymbella ventricosa* v. *depressa* Krishnamurthy  
450 *Gomphonema sphaerophorum* Ehr.  
451 *Gomphonema macropunctatum* Krishnamurthy  
452 *Gomphonema angustatum* v. *producta* Grun.  
453 *Gomphonema intricatum* Kuetz.  
454 *Gomphonema gracile* v. *lanceolata* (Kuetz.) Cleve  
455 *Gomphonema tergestinum* (Grun.) Fricke

- 456 *Gomphonema longiceps* v. *subclavata* Grun.  
 457 *Gomphonema acuminatum* v. *turris* Ehr.  
 458 *Gomphonema olivaceum* (Lyngbye) Kuetz.  
 459 *Hantzschia amphioxys* f. *capitata* O. Mull.  
 460 *Nitzschia tryblionella* v. *debilis* (Arnott) A. Meyer  
 461 *Nitzschia scalaris* (Ehr.) W. Sm.  
 462 *Nitzschia recta* Hantzsch  
 463 *Nitzschia microcephala* Grun.  
 464 *Nitzschia fonticola* Grujn.  
 465 *Nitzschia sigma* (Kuetz.) W. Sm.  
 466 *Surirella linearis* W. Sm.  
 467 *Surirella robusta* v. *splendida* (Ehr.) Krishnamurthy  
 468 *Surirella angustata* v. *constricta* Hust.  
 469 *Chroothoece richteriana* Hansgirg  
 470 *Composopogon coeruleus* (Balbis) Montagne  
 471 *Composopogon hookeri* Montagne  
 472 *Composopogon iyengaraii* Krishnamurthy  
 473 *Batrachospermum ectocarpum* Sirodot  
 474 *Batrachospermum umamaheswararaoi* Baluswami and Babu  
 475 *Sirodotia cirrhosa* Skuja ex Balakrishnan and Chaugule

### **Diversity of marine algae of Tamilnadu**

Marine algae of Tamilnadu include 625 taxa. These include a maximum number of 261 red algae, 172 diatoms, 79 green algae and 68 brown algae. These are given in Table 9. Marine algal diversity of Tamilnadu is next only to Gujarat coast in India. As marine algae require substratum to attach and grow, the rocky coasts of Tamilnadu are abound with a rich algal growth. Unlike freshwater algae, marine algae are collected from specific localities. The following are the places coasts in Tamilnadu where one can look for

marine algae. Viz., Pulicat, Muttukadu, Pitchavaram and Muthupet (all harbour brackishwater algae); Ennore, Covalam (near Chennai), Mahabalipuram, Tuticorin, Thiruchendur, Idinthakarai, Uvari, Manapad, Cape Comorin, Erwadi, Kilakkarai, Pudumadam, Mandapam, Pamban, Rameswaram and in islands of Gulf of Mannar. Brackish water occurs in Pulicat Lake, Muttukadu, Pitchavaram and Muthupet that harbour several interesting algae that include *Rosenvingea intricate*, *Gracilaria edulis* and *Hypnea muttukadensis* (Muttukadu). Covalam is a small fishing village located 30 km south of Chennai. The sandy beach there has a number of rock outcrops that form excellent substrata for marine algae to attach and grow. Several interesting algae can be collected at Covalam and Mahabalipuram. These include *Ulva covelongensis* and *Sphacelaria kovelamensis*. These two are described from Covalam and considered as endemic to this place. However, the common algae at Covalam include species of *Enteromorpha*, *Cladophora*, *Chaetomorpha antennina*, *Hinckesia mitchelliae*, *Sphacelaria tribuloides*, *Sphacelaria furcigera*, *Ceramium* on *Grateloupia*, *Centroceras clavulatum* on rock surfaces and species of *Gracilaria*, *Grateloupia* and *Bryocladia*. Some of these also occur at Mahabalipuram and this is the only locality where one can collect *Gomontia polyrhiza*, *Ectocarpus breviarticulatus*, *Feldmannia indica*, *Streblonema turmale*, *Hamelella geminifructus*, *Hecatonema sargassicola*, *Acrochaetium iyengarii*, *Acrochaetium liagoraefilum* and *Acrochaetium liagoroides*.

**Table 9 MARINE ALGAE OF  
TAMILNADU**

- 1 *Aphanocapsa littoralis* Hansgirg
- 2 *Gloeothece vibrio* Carter
- 3 *Entophysalis granulosa* Kutzing
- 4 *Dermocarpa hemisphaerica* Setchellet Gardner
- 5 *Dermocarpa versicolor* (Borzi) Geitler
- 6 *Myxosarcina concinna* Printz
- 7 *Hyella caespitosa* Born. et Flah
- 8 *Xenococcus willei* Gardner
- 9 *Lyngbya aestuarii* Liebm. ex Gomont
- 10 *Lyngbya baculum* Gomont
- 11 *Lyngbya confervoides* C,Ag. ex Gomont
- 12 *Lyngbya gardneri* (Setchel et Gardner) Geitler
- 13 *Lyngbya holdenii* Forti
- 14 *Lyngbya nordgardhii* Wille
- 15 *Lyngbya semiplana* Ag. Ex Gomont
- 16 *Microcoleus chthonoplastes* Thuret ex Gomont
- 17 *Oscillatoria irrigua* (Kutz.) Gomont
- 18 *Oscillatoria limosa* Ag. Ex Gomont
- 19 *Oscillatoria nigroviridis* Thwaites ex Gomont
- 20 *Oscillatoria obscura* Bruhl
- 21 *Schizothrix tenuis* Woronichin
- 22 *Symploca hydroides* Kutzing ex Gomont *f. minor* Iyengar and Desikachary
- 23 *Symploca muralis* Kutzing ex Gomont
- 24 *Symploca muscorum* (Ag.) Gomont
- 25 *Trichodesmium erythraeum* Ehrenberg ex Gomont
- 26 *Trichodesmium lacustre* Klebahn
- 27 *Trichodesmium thiebautii* Gomont
- 28 *Anabaena randhawae* Venkataraman



- 29 *Aulosira fritschii* Bharadwaja
- 30 *Aulosira prolifica* Bharadwaja
- 31 *Hormothamnion enteromorphoides* Grunow ex Born et Flah
- 32 *Hormothamnion solutum* Bornet et Grunow
- 33 *Nodularia spumigena* Mertens ex Born. et Flah var. *major* (Kutz.) Born. et Flah
- 34 *Richelia intracellularis* Johs. Schmidt
- 35 *Microchaete aeruginea* Batters
- 36 *Plectonema terebrans* Bornet ex Gomont
- 37 *Scytonema mirabile* f. *minor* Bharadwaja
- 38 *Calothrix contarenii* (Zanard.) Bornet ex Flahault
- 39 *Calothrix crustacea* Thuret
- 40 *Calothrix pulvinata* Ag.
- 41 *Calothrix sclpulorum* (Weber et Mohr.) Ag. Ex Born. Et Flah
- 42 *Mastigocoleus testarum* Lagerh.
- 43 *Brachytrichia quoyi* (Ag.) Born. Et Flah
- 44 *Ammatoides normannii* W. et G.S. West
- 45 *Gomontia polyrhiza* Bornet et flahault
- 46 *Enteromorpha clathrata* (Roth) Greville
- 47 *Enteromorpha compressa* (Linn.) Nees
- 48 *Enteromorpha compressa* var. *lingulata* (J. Ag.) Hauck
- 49 *Enteromorpha hopkirkii* Harvey
- 50 *Enteromorpha intestinalis* (L.) Nees
- 51 *Enteromorpha lingulata* J.G. Ag.
- 52 *Enteromorpha prolifera* (Fig. et De Not.) J. Ag.
- 53 *Enteromorpha prolifera* var. *tubulosa* (Kuetz.) Reinb.
- 54 *Enteromorpha salina* Kluetzing-Taylor
- 55 *Ulva beytensis* Thivy and Sharma
- 56 *Ulva covelongensis* Krishnamurthy and Joshi
- 57 *Ulva fasciata* Delile
- 58 *Ulva lactuca* L.
- 59 *Ulva reticulata* Forssk.
- 60 *Chaetomorpha antennina* (Bony) Kutzing

- 61 *Chaetomorpha litorea* Harvey
- 62 *Chaetomorpha brachygona* Harvey
- 63 *Cladophorella calcicola* Fritsch
- 64 *Rhizoclonium tortuosum* (Dillwyn) Kutzing
- 65 *Rhizoclonium hieroglyphicum* (G.Agardh) Kutzing
- 66 *Cladophora vagabunda* (L.) van den hoek
- 67 *Willella ordinata* Boergesen
- 68 *Gomontia polyrhiza* (Lagerh.) Bornet et Flah
- 69 *Derbesia boergeseni* (Iyengar and Ramanathan) Mayo
- 70 *Bryopsis corymbosa* J. Ag.
- 71 *Bryopsis indica* A. and E.S. Gepp
- 72 *Bryopsis pennata* Lamour.
- 73 *Pseudobryopsis pambanensis* Iyengar
- 74 *Caulaerpa clavifera* (Turn.) Ag.
- 75 *Caulerpa crassifolia* (Vahl.) J.Ag.
- 76 *Caulerpa cupressoides* (Vahl.) Ag.
- 77 *Caulerpa fastigiata*
- 78 *Caulerpa fergusonii* Murr.
- 79 *Caulerpa freycinetii* Ag.
- 80 *Caulerpa laetevirens* Mont
- 81 *Caulerpa lessonii* Bory
- 82 *Caulerpa longistipitata* Web. V. Bosse
- 83 *Caulerpa mexicana* (Sonder) J.Ag.
- 84 *Caulerpa parvula* Sved.
- 85 *Caulerpa peltata* Lamour.
- 86 *Caulerpa racemosa* (Forssk.) Weber v. Bosse
- 87 *Caulerpa racemosa* var. *chemnitzia* (Esper) Web. V. Bosse
- 88 *Caulerpa racemosa* var. *corynephora* (Mont.) Web. Van Bosse
- 89 *Caulerpa racemosa* var. *uvifera* Web van Bosse
- 90 *Caulerpa scalpelliformis* (R.Br.) Web. V. Bosse
- 91 *Caulerpa sedoides* (R.Br.) Ag.
- 92 *Caulerpa sertularioides* (Gmel.) Howe

- 93 *Caulerpa sertularioides f. brevipes* (J.Ag.) Sved.  
 94 *Caulerpa taxifolia* (Vahl.) Ag.  
 95 *Caulerpa verticillata* J.Ag.  
 96 *Caulerpella ambigua* (Okamura) Prud'homme  
 97 *Avrainvillea erecta* (Berk.) Gepp and Gepp  
 98 *Chlorodesmis hildenbrandtii* A. and E.S. Gepp  
 99 *Codium dadhaerens*  
 100 *Codium arabicum* (Kuetzing) ?  
 101 *Codium decorticatum* (Woodw.) Howe  
 102 *Codium geppiorum* Schmidt  
 103 *Codium latum* Sur.  
 104 *Codium tomentosum*  
 105 *Halimeda gracilis* Harv. Ex. J. Ag.  
 106 *Halimeda macroloba* Decaisne  
 107 *Halimeda tuna* (Ell. Et Sol.) Lamour.  
 108 *Udotea caribaea* Littler & Littler  
 109 *Udotea flabellum* (Ellis and Solander) Howe  
 110 *Udotea javensis* A. and E.S. Gepp  
 111 *Anadyomenae stellata* (Wulfen) C. Agardh  
 112 *Microdictyon tenuis* Decaisne ex J.E. Gray  
 113 *Boergesenia forbessi* (Harvey) Feldmann  
 114 *Struvea anastomosans* (Harvey) Piccone and Grunow ex Piccone  
 115 *Struvea tuticorinensis* Boergesen  
 116 *Struveopsis covalamensis* (Iyengar) Silva  
 117 *Dictyosphaeria favulosa* (Ag.) Decaisne  
 118 *Valoniopsis pachynema* (Martens) Boergs.  
 119 *Valonia utricularis* (Roth) Ag.  
 120 *Acetabularia parvula* Solms-Laubach  
 121 *Acetabularia calyculus* Quoit et Guimard  
 122 *Acetabularia moebii* Solms-Laubach  
 123 *Neomeris annulata* Dickie  
 124 *Neomeris dumetosa* Lamour.

- 125 *Melosira sulcata* (Ehrenberg) Kuetzing  
126 *Melosira granulata* (Ehr.) Ralfs. v. *angustissima* Mueller  
127 *Podosira montagnei* Kuetzing  
128 *Pyxidicula minuta* Grunow  
129 *Stephanopyxis turris* (Grev. Et Arn.) Ralfs.  
130 *Stephanopyxis palmeriana* (Greville) Grunow.  
131 *Skeletonema costatum* (Greville) Cleve  
132 *Thalassiosira decipiens* (Grunow) Jorgenson  
133 *Thalassiosira coramandeliana* Subramanian  
134 *Thalassiosira subtilis* (Ostenfeld) Gran  
135 *Cyclotella meneghiniana* Kuetzing  
136 *Cyclotella striata* (Kuetzing) Grunow  
137 *Coscinodiscus excentricus* Ehrenberg  
138 *Coscinodiscus excentricus* v. *fasciculata* Hustedt.  
139 *Coscinodiscus lineatus* Ehrenberg  
140 *Coscinodiscus sub-lineatus* Grunow  
141 *Coscinodiscus rothii* (Ehrenberg) Grunow  
142 *Coscinodiscus marginatus* Ehrenberg  
143 *Coscinodiscus granii* Gough  
144 *Coscinodiscus granii* v. *aralensis* (Ostenf.) Hustedt  
145 *Coscinodiscus jonestanus* (Greville) Ostenfeld  
146 *Coscinodiscus jonesianus* v. *commutata* (Grun.) Hustedt.  
147 *Coscinodiscus concinnus* Smith  
148 *Coscinodiscus centralis* Ehrenberg  
149 *Coscinodiscus perforatus* var. *parvillardi* (Forti) Hustedt.  
150 *Coscinodiscus apiculatus* Ehrenberg  
151 *Coscinodiscus asteromphalus* Ehrenberg  
152 *Coscinodiscus oculus-iridis* Ehrenberg  
153 *Coscinodiscus oculus-iridis* v. *borealis* (Bailey) Cleve  
154 *Coscinodiscus gigas* Ehrenberg. V. *proetexta* (Janish) Hustedt.  
155 *Coscinodiscus janischii* Schmidt  
156 *Planktoniella sol* (Wallich) Schutt

- 157 *Actinoptychus undulatus* (Bailey) Ralfs  
158 *Asteromphalus flabellatus* (Brebisson) Greville  
159 *Asteromphalus cleveanus* Grunow  
160 *Asteromphalus wyvillei* Castracne  
161 *Gossieriella tropica* Schutt  
162 *Aulacodiscus orbiculatus* Subramanian  
163 *Auliscus sculptus* (Smith) Ralfs.  
164 *Actinocyclus ehrenbergii* Ralfs  
165 *Corethron hystrix* Hensen  
166 *Corethron inerme* Karsten  
167 *Lauderia annulata* Cleve  
168 *Schroederella delicatula* (Peragallo) Pavillard  
169 *Leptocylindrus danicus* Cleve  
170 *Leptocylindrus minimus* Gran  
171 *Guinardia flaccida* (Castracane) Peragallo  
172 *Rhizosolenia cylindrus* Cleve  
173 *Rhizosolenia stolterfothii* Peragallo  
174 *Rhizosolenia robusta* Norman  
175 *Rhizosolenia imbricata* Brightwell  
176 *Rhizosolenia styliromis* Brightwell  
177 *Rhizosolenia styliiformis* v. *longispina* Husted  
178 *Rhizosolenia styliiformis* v. *lattissima* Brightwell  
179 *Rhizosolenia setigera* Brightwell  
180 *Rhizosolenia bebetata* (Bailey) Gran  
181 *Rhizosolenia crassispina* Schroeder  
182 *Rhizosolenia alata* Brightwell  
183 *Rhizosolenia alata* Brightwell f. *gracillima* (Cleve) Grunow  
184 *Rhizosolenia alata* f. *indica* (Peragallo) Ostefeld  
185 *Rhizosolenia castracanet* v. *rhomboidea* Subramanian  
186 *Bacteriastrum delicatulum* Cleve  
187 *Bacteriastrum hyalinum* Lauder  
188 *Bacteriastrum hyalinum* v. *princeps* (Castracane) Ikari

- 189 *Bacteroastri varoams* Lauder  
190 *Bacteriastrum elegans* Pavillard  
191 *Bacteriastrum cosmosum* Pavillard  
192 *Chaetoceros eibenii* Grunow  
193 *Chaetoceros coarctatus* Lauder  
194 *Chaetoceros denticulatum* Lauder  
195 *Chaetoceros peruvianus* Brightwell  
196 *Chaetoceros peruvianus f. robusta* (Cleve) Hustedt  
197 *Chaetoceros lorenzianus* Grunow  
198 *Chaetoceros cellulosus* Lauder  
199 *Chaetoceros indicus* Subramanian  
200 *Chaetoceros lauderi* Ralfs  
201 *Chaetoceros compressus* Lauder  
202 *Chaetoceros didymus* Ehrenberg  
203 *Chaetoceros didymus v. protuberans* (Lauder) Gran et Gendo  
204 *Chaetoceros didymus v. heterosetoides* Subramanian  
205 *Chaetoceros van Heurckii* Gran.  
206 *Chaetoceros affinis* Lauder  
207 *Chaetoceros affinis v. intermedius* Subramanian  
208 *Chaetoceros paradoxum* Cleve  
209 *Chaetoceros lascinosus* Schutt  
210 *Chaetoceros pelagicus* Cleve  
211 *Chaetoceros holsaticus* Schutt  
212 *Chaetoceros divbersus* Cleve  
213 *Chaetoceros messanensis* Castracane  
214 *Chaetoceros wighami* Brightwell  
215 *Chaetoceros curvisetus* Cleve  
216 *Chaetoceros socialis* Lauder  
217 *Eucampia zodiacus* Ehrenberg  
218 *Eucampia cornuta* (Cleve) Grunow  
219 *Climacodium frauenfeldianum* Grunow  
220 *Streptotheca indica* Karsten

- 221 *Bellarocha malleus* (Brightwell) Van Heurck  
222 *Ditylum brightwillii* (West) Grunow  
223 *Ditylum sol* Grunow  
224 *Lithodesmium undulatum* Ehrenberg  
225 *Triceratium favus* Ehrenberg  
226 *Triceratium robertsonianum* Greville  
227 *Triceratium dubium* Brightwell  
228 *Triceratium reticulum* Ehrenberg  
229 *Triceratium alternans* Bailey  
230 *Biddulphia pulchella* Gray  
231 *Biddulphia sinensis* Greville  
232 *Biddulphia mobiliensis* Bailey  
233 *Biddulphia heteroceros* Grunow  
234 *Biddulphia rhombus* (Ehrenberg) Smith  
235 *Biddulphia longicrurus* Greville  
236 *Isthemia enervis* Ehrenberg  
237 *Cerataulina bergonii* Peragallo  
238 *Gemiaulus sinensis* Greville  
239 *Hemidiscus hardmannianus* (Greville) Mann.  
240 *Rhabdonema mirificum* Smith  
241 *Striatella delicatula* (Kuetzing) Grunow  
242 *Grammatophora undulata* Ehrenberg  
243 *Licomphora abbreviata* Agardh  
244 *Climacosphenia moniligera* Ehrenberg  
245 *Climacosphenia elongata* Bailey  
246 *Fragilaria oceanica* Cleve  
247 *Rhaphoneis amphiceros* Ehrenberg  
248 *Rhaphoneis discoides* Subramanian  
249 *Synedra formosa* Hantzsch  
250 *Thalassionema nitzschioides* Grunow  
251 *Thalassiothrix longissima* Cleve and Grunow  
252 *Thalassiothrix frauenfeldii* Grunow

- 253 *Asterionella japonica* Cleve  
254 *Cocconeis sigmoides* Subramanian  
255 *Cocconeis littoralis* Subramanian  
256 *Achnanthes siramii* Hustedt  
257 *Mastogloia exilis* Hustedt  
258 *Mastogloia minuta* Greville  
259 *Gyrosigma balticum* (Ehrenberg) Rabenhorst  
260 *Pleurosigma galapagense* Cleve  
261 *Pleurosigma elongatum* Smith  
262 *Pleurosigma normanii* Ralfs.  
263 *Pleurosigma angulatum* (Qaekett) Smith v. *strigosa* (Smith) van Heurck  
264 *Pleurosigma aestuarii* Brebisson  
265 *Pleurosigma carinatum* Donkin  
266 *Pleurosigma directum* v. *membranacea* Subramanian  
267 *Caloneis madraspatensis* Subramanian  
268 *Diploneis weissflogii* (Schmidt) Cleve  
269 *Diploneis puella* (Schumann) Cleve  
270 *Diploneis fusca* v. *sub-rectangularis* Cleve  
271 *Diploneis smithii* (Brebisson) Cleve  
272 *Diploneis robustus* Subramanian  
273 *Navicula longa* (Gregory) Ralfs  
274 *Navicula hennedyii* Smith  
275 *Navicula hennedyii* v. *nebulosa* (Gregory) Cleve  
276 *Navicula forcipata* Greville  
277 *Navicula clavata* Gregory  
278 *Pinnularia alpina* Smith  
279 *Trachyneis aspera* v. *genuina* Cleve  
280 *Trachyneis antillarum* Cleve  
281 *Amphiprora gigantea* v. *sulcata* (O'Meara) Cleve  
282 *Tropidoneis semistriata* Grunow  
283 *Amphora lineolata* Ehrenberg  
284 *Amphora decussata* Grunow



- 285 *Amphora ostrearia* Brebisson  
286 *Cymbella marina* Castracane  
287 *Bacillaria paradoxa* Gmelin  
288 *Nitzschia panduriformis* v. *continua* Grunow  
289 *Nitzschia vitrea* Norman  
290 *Nitzschia sigma* v. *indica* Karsten  
291 *Nitzschia closterium* (Ehrenberg) Smith  
292 *Nitzschia longissima* (Brebisson) Ralfs  
293 *Nitzschia seriata* Cleve  
294 *Surirella fluminensis* Grunow  
295 *Surirella eximia* Greville  
296 *Campylodiscus iyengarii* Subramanian  
297 *Bachelotia antillarum* (Gruenow) Gerloff  
298 *Ectocarpus arabicus* Fig. et Denot.  
299 *Ectocarpus breviarticulatus* J. Agardh  
300 *Feldmannia indica* (Sonder) Womersley and Bailey  
301 *Feldmannia kanyakumariensis* Krishnamurthy and Baluswami  
302 *Feldmannia irregularis* (Kuetzing) Hamel  
303 *Hincksia mitchelliae* (Harv.) Hamel  
304 *Streblonema turmale* Boergsen  
305 *Ralfsia expansa* (J.Ag.) J.Ag.  
306 *Sphacelaria furcigera* Kuetzing  
307 *Sphacelaria kovalamensis* Krishnamurthy and Baluswami  
308 *Sphacelaria novae-hollandiae* Sonder  
309 *Sphacelaria tribuloides* Meneghini  
310 *Dictyopteris australis* Sonder  
311 *Dictyopteris delicatula* Lamour.  
312 *Dictyopteris muelleri* (Sonder) Web. V. Bosse  
313 *Dictyopteris woodwardii* (Brown) J. Ag.  
314 *Dictyota bartayresiana* Lamour.  
315 *Dictyota ceylanica* Kuetzing  
316 *Dictyota dichotoma* (Huds.) Lamour.

- 317 *Dictyota fasciola* (Roth.) Lamx.  
 318 *Dictyota maxima*  
 319 *Lobophora indica* (Umamaheswara Rao) Krishnamurthy and Baluswami  
 320 *Lobophora variegata* (Lamour.) Womersley ex Oliveira  
 321 *Lobophora nigrescens* J. Agardh  
 322 *Padina boergesenii* Allender and Kraft  
 323 *Padina distromatica* Hauck  
 324 *Padina glabra* Gaillard  
 325 *Padina tetrastromatica* Hauck.  
 326 *Spatoglossum asperum* J. Ag.  
 327 *Stoechospermum marginatum* (Ag.) Kuetz.  
 328 *Hamelella dermonematis* (Boergesen) Srinivasan  
 329 *Hamelella geminifructus* (Boergesen) Srinivasan  
 330 *Hecatonema sargassicola* Boergs.  
 331 *Hecatonema terminale* (Kuetz.) Kylin  
 332 *Levringia boergesenii* Kylin  
 333 *Colpomenia sinuosa* Derb. et Sol.  
 334 *Hydroclathrus clathratus* (C.Ag.) Dwarka  
 335 *Iyengaria stellata* (Boergs.) Boergs.  
 336 *Rosenvingea intricata* (J.Ag.) Boergs.  
 337 *Rosenvingea orientalis* (J.Ag.) Boergesen  
 338 *Chnoospora bicanaliculata* Krishnamurthy and Thomas  
 339 *Chnoospora fastigiata* J.Ag.  
 340 *Chnoospora implexa* (Her.) J.Ag.  
 341 *Cystoseira trinodis* (Forsskal) C.Ag.  
 342 *Hormophysa cuneiformis* (Gmelin) Silva  
 343 *Sargassum acinaria* L.  
 344 *Sargassum aquifolium* (Turn.) C. Ag.  
 345 *Sargassum bacciferum* (Turn.) Agardh  
 346 *Sargassum cervicorne* Greville  
 347 *Sargassum cinctum* J. Ag.  
 348 *Sargassum concinnum* Greville

- 349 *Sargassum coriifolium* var. *echinocarpa* (Grev.) Gruenow  
350 *Sargassum densifolium* Zanardini  
351 *Sargassum ilicifolium* (Turn.) J.Ag.  
352 *Sargassum myriocystum* J. Ag.  
353 *Sargassum oligocystum* Mont  
354 *Sargassum parvifolium* (Turn.) J. Ag.  
355 *Sargassum plagiophyllum*  
356 *Sargassum polycystum* Ag.  
357 *Sargassum tenerrimum* J. Agardh  
358 *Sargassum virgatum* (Mert.) Ag.  
359 *Sargassum vulgare* C.Ag.  
360 *Sargassum wightii* Greville  
361 *Turbinaria conoides* (J.Ag.) Kuetz.  
362 *Turbinaria conoides* var. *conoides* Taylor f. *laticuspidata* Taylor  
363 *Turbinaria ornata* f. *ecoronata* Taylor  
364 *Turbinaria trialata* Kuetz.  
365 *Bangiopsis dumontioides* (Crouan) Krishnamurthy  
366 *Bangiopsis subsimplex* (Montagne) Schmitz in Schmitz & Hauptfleisch  
367 *Goniotrichum elegans* (Chauv.) Zanardini  
368 *Erythrocladia irregularis* Rosenv.  
369 *Erythrocladia subintegra* Rosenvinge  
370 *Erythrotrichia carnea* (Dillw.) J. Ag.  
371 *Composopogon coeruleus* (Balbis) Montagne  
372 *Composopogon hookeri* Montagne  
373 *Composopogon iyengarii* Krishnamurthy  
374 *Porphyra kanyakumariensis* Krishnamurthy et Baluswami  
375 *Porphyra vietnamensis* Tanaka et Pham-Hoang Ho  
376 *Acrochaetium canariense* Boergesen  
377 *Acrochaetium krusadii* Boergesen  
378 *Acrochaetium iyengarii* Boergesen  
379 *Acrochaetium multisporum* Boergesen  
380 *Acrochaetium liagoraefilum* Boergesen

- 381 *Acrochaetium liagoroides* Boergesen  
382 *Acrochaetium subseriatum* Boergesen  
383 *Acrochaetium tuticorinense* Boergesen  
384 *Kylilnia robusta* (Boergesen) Desikachary, Krishnamurthy et Balakrishnan  
385 *Kylinia spathoglossi* (Boergesen) Aleem  
386 *Liagoropsis schrami* (Crouan ex Maze and Schramm) Doty and Abbott  
387 *Dermonema frappieri* (Mont. And Millard.) Boergesen  
388 *Helminthocladia calvadosii f. indica* Desikachary  
389 *Helminthocladia calvadosii f. comorinensis* Krishnamurthy and Sundararajan  
390 *Liagora ceranoides* Lamouroux  
391 *Liagora ceylanica* Zeh  
392 *Liagora doridis* Zeh  
393 *Liagora erecta* Zeh  
394 *Liagora mannarensis* Krishnamurthy and Sundararajan  
395 *Liagora orientalis* J. Ag.  
396 *Liagora viscida* (Forsskal) Agardh  
397 *Actinotrichia fragilis* (Forsskal) Boergesen  
398 *Galaxaura obtusata* (Solander in Ellis and Solander) Lamouroux  
399 *Galaxaura lenta* Kjellman  
400 *Galaxaura oblongata* (Solander in Ellis and Sol.) Lamouroux  
401 *Scinaia bengalica* Boergesen  
402 *Scinaia carnosa* Harvey ex Agardh. J.G.  
403 *Scinaia fascicularis* (Boergesen) Huisman  
404 *Scinaia furcellata* Bivona-Bernardi  
405 *Asparagopsis taxiformis* (Delile) Trivisan  
406 *Gelidium pusillum* (Stackhouse) Le Jolis  
407 *Gelidiella indica* Rao, P.C.  
408 *Gelidiella acerosa* (Forsskal) Feldmann & Hamel  
409 *Gelidiella acerosa f. minima* Rao, P.S.  
410 *Gelidiella myrioclada* (Boergesen) Feldmann & Hamel  
411 *Gelidiella bornetii* (Weber van Bosse) Feldmann & Hamel  
412 *Corynomorpha prismatica* (J.Agardh) J. Agardh

- 413 *Carpopeltis millardi* (Mont. Et Millardet) Chiang  
 414 *Cryptonemia coriacea* Schmitz  
 415 *Cryptonemia lomatio* (bertoloni) J. Agardh  
 416 *Cryptonemia undulata* Sonder  
 417 *Grateloupia comorinii* Boergesen  
 418 *Grateloupia filicina* (Wulfen) C.A. Agardh f. *filicina*  
 419 *Grateloupia lithophila* Boergesen  
 420 *Halymenia amoena* Bory  
 421 *Halymenia dilatata* Zanardini  
 422 *Halymenia floresia* (Clemente) C. Agardh  
 423 *Halymenia imbricata* Dickie\*  
 424 *Halymenia porphyroides*  
 425 *Halymenia venusta*  
 426 *Hildenbrandia prototypus* Nardo  
 427 *Champia compressa* Harvey  
 428 *Champia compressa* var. *scindica* (Harvey) Boergesen  
 429 *Champia parvula* (Agardh) Harvey  
 430 *Botryocladia leptopoda* (J. Agardh) Kylin  
 431 *Ceratodictyon spongiosum* Zanardilni  
 432 *Coelarthrum opuntia* (J. Agardh) Boergesen  
 433 *Gelidiopsis repens* (Kuetzing) Schmitz.  
 434 *Gelidiopsis variabilis* (Grev.) Schmitz  
 435 *Halichrysis thivyae* (Dawson) Eiseman et Moe  
 436 *Rhodymenia dissecta* Boergesen  
 437 *Amphiroa anastomosans* Weber van Bosse  
 438 *Amphiroa fragilissima* (L.) Lamouroux  
 439 *Amphiroa anceps* (Lamarck) Decaisne  
 440 *Cheilosporum spectabile* (Harvey) Weber van Bosse  
 441 *Jania adhaerens* Lamouroux  
 442 *Jania capillacea* Harvey  
 443 *Jania iyengarii* Ganesan  
 444 *Jania rubens* (Linnaeus) Lamouroux

- 445 *Fosliella farinosa* (Lamourous) Howe  
446 *Fosliella minutula* (Foslie) Ganesan  
447 *Hydrolithon craspedium* f. *craspedium*  
448 *Hydrolithon iyengarii* Desikachary et Ganesan  
449 *Hydrolithon krusadiense* Krishnamurthy et Jayagopal  
450 *Hydrolithon onkodes* f. *onkodes* Foslie  
451 *Hydrolithon reinboldii* (Weber van Bosse et Foslie) Foslie, M.H.  
452 *Hydrolithon samoense* (Foslie) Keats and Chamberlein  
453 *Hydrolithon verrucosum* Krishnamurthy et Jayagopal  
454 *Lithophyllum amplexifrons* (Harv.) Heydrich  
455 *Lythophyllum carilbaeum* (Foslie) Foslie  
456 *Lithophyllum decipiens* (Fosl.) Fosl.  
457 *Lithophyllum okamurai* Foslie  
458 *Lithophyllum orbiculatum* (Foslie) Foslie  
459 *Lithophyllum samoense* Foslie  
460 *Lithothamnion notatum* Foslie  
461 *Neogoniolithon brassica-florida* (Foslie) Setch. et Mason f. *laccadivica* (Foslie) Desikachary et al.  
462 *Neogoniolithon caribaeum* (Foslie) Adey  
463 *Neogoniolithon crassifructum* Krishnamurthy et Jayagopal  
464 *Neogoniolithon desikacharyi* Krishnamurthy et Jayagopal  
465 *Neogoniolithon ganesani* Krishnamurthy et Jayagopal  
466 *Neogoniolithon misakiense* (Foslie) Setchel et Mason  
467 *Neogoniolithon palkensis* Krishnamurthy et Jayagopal  
468 *Neogoniolithon pudumadamensis* Krishnamurthy et Jayagopal  
469 *Neogoniolithon tiruchendurensis* Krishnamurthy et Jayagopal  
470 *Pneophyllum extensum* Krishnamurthy et Jayagopal  
471 *Pneophyllum lejolisii* (Rosanoff) Chamberlain  
472 *Pseudolithophyllum fosliei* Krishnamurthy et Jayagopal  
473 *Pseudolithophyllum lemoinei* Krishnamurthy et Jayagopal  
474 *Pseudolithophyllum mannarensis* Krishnamurthy et Jayagopal  
475 *Pseudolithophyllum pambanensis* Krishnamurthy et Jayagopal  
476 *Pseudolithophyllum setchelli* Krishnamurthy et Jayagopal

- 477 *Pseudolithophyllum tuticorinensis* Krishnamurthy et Jayagopal  
478 *Spongites decipiens* Chamberlain  
479 *Sporolithon indicum* Krishnamurthy et Jayagopal  
480 *Sporolithon erythraeum* (Rothpletz) Kylin  
481 *Titanoderma ascripticum* (Foslie) Woelkerling, Chamberlain and Silva  
482 *Titanoderma pustulatum* (Lamouroux) Naegeli  
483 *Gracilaria attenuata* (M.U.Rao) Krishnamurthy  
484 *Gracilaria blodgettii* Harvey  
485 *Gracilaria bursa-pastoris* (Gmelin) Silva  
486 *Gracilaria corticata* J. Ag.  
487 *Gracilaria crassa* (Harvey) J.Ag.  
488 *Gracilaria cylindrica* Boergesen  
489 *Gracilaria debilis* (Forsskal) Boergesen  
490 *Gracilaria disticha* J.Ag.  
491 *Gracilaria dura* (Ag.) J.Ag.  
492 *Gracilaria edulis* (Gmelin) Silva  
493 *Gracilaria fergusonii* J.Ag.  
494 *Gracilaria foliifera* (Forsskal) Boergesen  
495 *Gracilaria idinthakaraiensis* Umamaheswara Rao  
496 *Gracilaria kanyakumariensis* Umamaheswara Rao  
497 *Gracilaria kilakkaraiensis* Krishnamurthy et Rajendran  
498 *Gracilaria mannarensis* Umamaheswara Rao  
499 *Gracilaria millardetii* (Mont.) Ag.  
500 *Gracilaria pudumadamensis* Krishnamurthy et Rajendran  
501 *Gracilaria opuntia* (J.Ag.) Krishnamurthy et Rajendran  
502 *Gracilaria rostrata* Umamaheswara Rao  
503 *Gracilaria textorii* (Suring.) J.Ag.  
504 *Gracilaria tuticorinensis* Krishnamurthy et Rajendran  
505 *Gracilaria verrucosa* (Hudson) Papenfus  
506 *Gracilariopsis lemaneiformis* (Bory) Dawson, Aceleto and Folkwiik  
507 *Tylopus indicus* (Umamaheswara Rao) Krishnamurthy  
508 *Tenaciophyllum lobatum* Boergesen

- 509 *Hypnea flagelliformis* Greville ex J. Agardh  
510 *Hypnea muttukadensis* Prema and Subramanian  
511 *Hypnea musciformis* (Wulf.) Lamouroux  
512 *Hypnea nigrescens* (Greville) J. Agardh  
513 *Hypnea pannosa* J. Agardh  
514 *Hypnea spinella* (C. Ag.) Kuetzing  
515 *Hypnea valentiae* (Turner) Montagne  
516 *Portieria hornemannii* (Lyngbye) Silva  
517 *Sarconema filiforme* (Sonder) Kylin  
518 *Solieria robusta* (Grev.) Kylin  
519 *Caulacanthus ustulatus* (Mertens ex Turner) Kuetzing  
520 *Acrothamnion butleiriae* (Collins) Kylin  
521 *Aglaothamnion byssoides* (Arnott ex Harvey) L. Hardy-Halos et Rueness  
522 *Aglaothamnion neglectum* Feldmann-Mazoyer  
523 *Antithamnion plumula* (Ellis) Thuret in Lejolis  
524 *Antithamnionella elegans* (Berthold) Price et John  
525 *Antithamnionella floccosa* (Mueller) Whittick  
526 *Bornetia tenuis* Baldock et Womersley  
527 *Ceramium cruciatum* Collins et Harvey  
528 *Ceramium fimbriatum* Setchell et Gardner  
529 *Ceramium heterospinum* Subramanian  
530 *Ceramium maryae* Weber van Bosse  
531 *Ceramium procumbens* Setchell et Gardner  
532 *Ceramium deslongschampii* Chauvin  
533 *Ceramium flaccidum* (Kuetzing) Ardissonne  
534 *Ceramium subdichotomum* Weber van Bosse  
535 *Ceramium truncatum* Petersen  
536 *Centroceras clavulatum* (C. Agardh) Montagne  
537 *Crouania attenuata* (Bonnem.) J. Agardh  
538 *Crouania boergesenii* Subramanian  
539 *Crouania iyengarii* Subramanian  
540 *Desikacharyella indica* Subramanian



- 541 *Euptilota articulata* (J. Agardh) Schmitz  
542 *Euptilota krusadiense* Krishnamurthy  
543 *Griffithsia corallinoides* (Linnaeus) Trevisan  
544 *Griffithsia heteromorpha* Kuetzing  
545 *Gymnothamnion elegans* (Schousboe) J. Agardh  
546 *Haloplegma duperreyi* Montagne  
547 *Haloplegma preissii* Sonder  
548 *Lejolisia columbiana* Taylor  
549 *Pleonosporium borneri* (Smith) Naegeli  
550 *Pleonosporium caribaeum* (Boergesen) Norris  
551 *Pleonosporium polymorphum* Itono  
552 *Ptilothamnion cladophorae* (Yamada et Tenakai) Feldmann-Mazoyer  
553 *Ptilothamnion subsimplex* Gordon  
554 *Spermothamnion boergesenii* Krishnamurthy  
555 *Spermothamnion umamaheswaraoi* Krishnamurthy  
556 *Spyridia filamentosa* (Wulfen) Harvey  
557 *Spyridia fusiformis* Boergesen  
558 *Spyridia hypnoides* (Bory) Papenfuss  
559 *Tanakaella klrishnamurthii* Subramanian  
560 *Tilffaniella codicola* (Yamada et Tanaka) Doty et Menez.  
561 *Wrangelia argus* (Montagne) Montagne  
562 *Wrangelia balakrishnenii* Subramanian  
563 *Wrangelia bicuspidata* Boergesen  
564 *Wrangelia sundaralingamii* Subramanian  
565 *Wrangelia tenegana* Harvey  
566 *Dasya baillouviana* (Gmelin) Montagne  
567 *Dasya caraibica* Boergesen  
568 *Dasya flagellifera* Boergesen  
569 *Dasya iyengarii* Boergesen  
570 *Dictyurus purpurescens* Bory  
571 *Heterosiphonia crispella* (C. Ag.) Wynne  
572 *Heterosiphonia stiposa* (J. Agardh) De Toni

- 573 *Acrosorium krishnamurthyi* Umamaheswara Rao  
574 *Acrosorium venulosum* (Zanardini) Kylin  
575 *Martensia fragilis* Harvey  
576 *Martensia indica* Krishnamurthy et Thomas  
577 *Nitophyllum marginale* Harvey in Kuetzing  
578 *Platysiphonia delicata* (Clemente y Rubio) Cremades  
579 *Taenioma perpusillum* (J. Agardh) J. Agardh  
580 *Vanvoorstia spectabilis* Harvey  
581 *Acanthophora muscoides* (L.) Bory  
582 *Acanthophora najadiformis* (Delile) Papenfus  
583 *Acanthophora spicifera* (Vahl.) Boergesen  
584 *Bostrychia tenella* (Vahl.) J. Agardh  
585 *Bryocladia thwaitesii* (Harvey) De Toni  
586 *Chondria armata* (Kuetzing) Okamura  
587 *Chondria capillaris* (Hudson) Wynne  
588 *Chondria dasyphylla* (Woodward) Agardh  
589 *Chondria seticulosa* (Forsskal) C. Agardh  
590 *Chondria transversalis* Boergesen  
591 *Enantiocladia prolifera* (Greville) Falkenberg  
592 *Herposiphonia insidiosa* (Greville) Falkenberg  
593 *Herposiphonia secunda* (Agardh) Ambronn  
594 *Herposiphonia tenella* (C. Agardh) Naegeli  
595 *Laurencia brandenii* Saito et Womersley  
596 *Laurencia caraibica* Silva  
597 *Laurencia ceylanica* J. Agardh  
598 *Laurencia claviformis* Boergesen  
599 *Laurencia elata* (C. Ag.) Harvey  
600 *Laurencia filiformis* (Agardh) Montagne  
601 *Laurencia flagellifera* J. Ag.  
602 *Laurencia indica* Hauck  
603 *Laurencia majuscula* (Harvey) Lucas  
604 *Laurencia obtusa* (Hudson) Lamouroux

- 605 *Laurencia lobtusa* var. *divaricata* (J.Ag.) Yamada  
606 *Laurencia obtusa* var. *gracilis* Kuetzing  
607 *Laurencia paniculata* J. Ag.  
608 *Laurencia papillosa* (Forsskal) Greville  
609 *Laurencia parvipapillata* Tseng  
610 *Laurencia parvula* Boergesen  
611 *Laurencia pedicularioides* Boergesen  
612 *Laurencia rigida* J. Agardh  
613 *Lenormandiopsis parthasarathyi* (Krishnamurthy) Krishnamurthy et Joshi  
614 *Leveillea jungermannioides* (Martens et Hering) Harvey  
615 *Lophocladia lallemandii* (Montagne) Schmitz  
616 *Lophocladia trichocladus* (C. Agardh) Schmitz  
617 *Neurymenia fraxinifolia* (Mertens) J. Agardh  
618 *Veleroa karuvalensis* (Prasanna Varma) Krishnamurthy et Thomas  
619 *Polysiphonia platycarpa* Boergesen  
620 *Polysiphonia sertularioides* (Grat.) J. Ag.  
621 *Polysiphonia subtilissima* Montagne  
622 *Polysiphonia tuticorinensis* Boergesen  
623 *Polysiphonia unguiformis* Boergesen  
624 *Tolypiocladia condensata* (Weber van Bosse) Silva  
625 *Tolypiocladia glomerulata* (C. Agardh) Schmitz

### **Marine algae of Cape Comorin**

Cape Comorin is the southern most point of peninsular India. This is also called as Kanya Kumari. Cape Comorin has got a number of places for marine algae collection, viz., Covalam, Temple, and Vivekananda Kendra. Of these, Covalam is located just one km west of Cape Comorin in the Arabian Sea. A large number of huge boulders act as excellent substrata for algae to attach and grow. A large number of interesting algae can be collected from this place. The important ones that have been collected from this place

include *Ulva fasciata*, *Chaetomorpha antennina*, *Valoniopsis pachynema*, *Chnoospora bicanaliculata*, *Sphacelaria furcigera*, *Sphacelaria tribulides*, *Botryocladia leptopoda*, *Portieria hornemannii*, *Dictyurus purpurescens*, *Centroceras clavulatum*, *Leveillea jungermannioides*, several species of *Bryopsis*, *Caulerpa*, *Halimeda*, , *Species of Padina*, *Dictyota*, *Dictyopteris*, *Lobophora*, , *Sargassum*, *Gelidium*, *Gelidiella*, *Gelidiopsis*, *Champia*, , *Amphiroa*, *Jania*, *Gracilaria*, *Hypnea*, , *Ceramium*, , *Griffithsia*, *Spyridia*, , *Acanthophora*, *Chondria*, *Laurencia*, and *Polysiphonia*. *Platysiphonia delicata*, a rare red alga belonging to Delesseriaceae and *Porphyra kanyakumariensis* are collected from this locality.

The second collection locality lies exactly at the bathing ghat of Kumari temple and the stretch from temple towards Vivekananda puram. Big boulders and rocks present in this stretch host rich algal vegetation. However it should be noted here that this stretch is highly disturbed by human activity by pilgrims visiting the temple and fishermen. The following are the algae that occur in this stretch. *Ulva fasciata*, *Willella ordinata*, *Dictyopteris delicatula*, *Padina tetrastromatica*, *Hamelella dermonematis*, *Hecatonema sargassicola*, *Levringia boergesenii*, *Chnoospora bicanaliculata*, *Chnoospora fastigiata*, *Sargassum* spp., *Dermonema frappieri*, *Helminthocladia calvadosii* f. *comorinensis*, *Liagora orientalis*, *Galaxura lenta*, *Scinaia carnosa*, *Scinaia furcellata*, *Corynomorpha prismatica*, *Carpopeltis millardi*, *Cryptonemia coriacea*, *Cryptonemia undulata*, *Grateloupia comorinii*, *Grateloupia filicina*, *Crateloupia lithophila*, *Halymenia amoena*, *Hildenbrandia prototypes*, *Botryocladia leptopoda*, *Coelarthrum opuntia*, *Gelidiopsis variabilis*, *Rhodymenia dissecta*, *Amphiroa anastomosans*, *Amphiroa fragilissima*, *Amphiroa anceps*, *Cheilosporum spectabile*, *Jania rubens*, *Titanoderma ascripticum*, *Gracilaria bursapastoris*, *Gracilaria corticata*, *Gracilaria crassa*, *Gracilaria disticha*, *Gracilaria*

*dura*, *Gracilaria fergusonii*, *Gracilaria foliifera*, *Gracilaria textorii*, *Hypnea flagelliformis*, *Hypnea musciformis*, *Portieria hornemannii*, *Sarconema filiforme*, *Ceramium maryae*, *Ceramium deslongschampii*, *Ceramium truncatum*, *Centroceras clavulatum*, *Gymnothamnion elegans*, *Dictyurus purpureus*, *Acrosorium venulosum*, *Acanthophora spicifera*, *Enantiocladia prolifera*, *Herposiphonia insidiosa*, *Laurencia brandenii*, *Laurencia ceylanica*, *Laurencia flagellifera*, *Laurencia majuscula*, *Laurencia obtuse*, *Laurencia lobtusa* var. *divaricata*, *Laurencia paniculata*, *Laurencia papillosa*, *Laurencia parvula*, *Lenormandiopsis parthasarathyi*, *Leveillea jungermannioides* and *Neurymenia fraxinifolia*.

The third collection place is the beach that occurs at the backside of Vivekananda Kendra at Vivekanandapuram. Most of the algae that occur at other places of Cape Comorin also occur on the rocks here. This is the only place where *Platysiphonia delicata* can be collected besides Covalam – Cape Comorin..

### **Marine algae of Idinthakarai, Tiruchendur and Tuticorin**

Tiruchendur and Tuticorin are coastal towns and Idinthakarai is a small fishing village. Tiruchendur is place of pilgrimage. The shore is mainly sandy with outcrops of a few sandstone rocks. The rocks are completely submerged during high tides and are just exposed during low tide. These rocks host rich algal vegetation. Tuticorin is a lagoon. The collection spot lies near the harbour point. From harbour point one can go to a reef named Hare Island. Tuticorin shore is also mainly sandy with a lot of coral stones. These stones are useful for algae to attach and grow. Idinthakarai is a coastal village located about 40 km from Tiruchendur on the

way to Cape Comorin. Idinthakarai has plenty of rocks that are completely submerged and exposed only during low tides on one side and rocks that are partially submerged even during hightides on other side. All these rocks host rich algal vegetation. Of all marine algae collection sites of Tamilnadu, Idinthakarai can be considered as the best site at present. In all 164 algae are reported from these three places. A good number of red algae occur in these places with 128 taxa followed by only 19 brown algae and 17 green algae. All the marine algae collected from these places are given below.

*Ulva fasciata, Ulva lactuca, Ulva reticulata, Enteromorpha prolifera, Chaetomorpha antennina, Struvea anastomosans, Struvea uticorinensis, Bryopsis corymbosa, Caulerpa fergusonii, Caulerpa scalpelliformis, Codium arabicum, Halimeda macroloba, Halimeda tuna, Udotea flabellum, Avrainvillea erecta, Microdictyon tenuis, Boergesenia forbessi, Feldmannia irregularis, Sphacelaria trihuloides, Dictyopteris australis, Dictyopteris muelleri, Dictuyota dichotoma, Lobophora variegata, Padina boergesenii, Padina tetrastromatica, Padina pavonica, Spatoglossum asperum, Stoechospermm marginatum, Colpomenia sinuosa, Rosenvingea intricata, Rosenvingea orientalis, Chnoospora implexa, Cystoseira trinodis, Hormophysa cuneiformis, Sargassum aquifolium, Turbinaria conoides var. conoides, Goniotrichum elegans, Erythrotrichia carnea, Acrochaetium canariense, Acrochaetium iyengarii, Acrochaetium multisporum, Acrochaetium subseriatum, Acrochaetium tuticoriense, Kylinia robusta, Kylinia spathoglossi, Liagoropsis schrami, Acrtinotrichia fragilis, Scinaia fascicularis, Asparagopsis taxiformis, Gelidium pusillum, Gelidiella acerosa, Gelidiella bornetii, Gelidiella indica, Gelidiella myriocladia, Corynomorpha prismatica, Carpopeltis millardi, Hildenbrandia prototypus, Jania adhaerens, Grateloupia filicina, Corynomorpha prismatica, Halymenia floresia, Halymenia*

*imbricate, Halymenia porphyroides, Halymenia venusta, Gracilaria blodgetti, iGracilaria corticata, Gracilaria crassa, Gracilaria cylindrical, lGracilaria debilis, Gracilaria edulis, Gracilaria foliifera, Gracilaria fergusonii, Gracilaria idinthakaraiensis, Gracilaria kanyakumariensis, Gracilaria kilakkaraiensis, Gracilaria millardetii, Gracilaria lopuntia, Gracilaria textorii, Gracilaria tuticorinensis, Gracilariopsis lemaneiformis, Tenaciophyllum lobatum, Sarcodia ceylanica, Hypnea flagelliformis, Hypnea musciformis, Hypnea nigrescens, Hypnea pannosa, Hypnea valentiae, Portieria hornemannii, Sarconema filiforme, Solieria lrobusta, Caulacanthus ustulatus, Champia compressa, Champia compressa var. scindica, Champia parvula, Coelarthrum opuntia, Gelidiopsis repens, Gelidiopsis variabilis, Rhodymenia dissecta, Amphiroa flagilissima, Amphiroa anceps, Cheilosporum spectabile, Fosliella farinose, Lithophyllum amplexifrons, Lithophyllum caribaeum, Lithophyllum orbiculatum, Lithophyllum notatum, Neogoniolithon crassifructum, Neogoniolithon desikacharyi, Neogoniolithon tiruchendurensis, Pseudolithophyllum tuticorinensis, Sporolithon erythraeum, Titanoderma pustulatum, Acrothamnion butleriae, Aglaothamnion byssoides, Aglaothamnion neglectum, Antithamnion plumula, Antithamnionella floccose, Ceramium heterospinum, Ceramium procumbens, Ceramium flaccidum, Ceramium subdichotomum, Centroceras clavulatum, Crouania boergesenii, Desikacharyella indica, Griffithsia heteromorpha, Haloplegma duperreyi, Plenosporium polymorphum, Ptilothamnion cladophorae, Ptilothamnion subsimplex, Spermiothamnion umamaheswaraoi, Spyridia filamentosa, Spyridia fusiformis, Wrangelia argus, Wrangelia bicuspidate, Polysiphonia tuticorinensis, Herposiphonia insidiosa, Enantiocladia prolifera, Neurymenia fraxinifolia, Acanthophora muscoides, Acanthophora najadiformis, Acanthophora spicifera, Chondria armata, Chondria dasyphylla, Chondria transversalis, Laurencia flagellifera, Laurencia flagelliformis, Laurencia majuscula, Laurencia obtusa, Laurencia obtuse v. divaricata, Laurencia obtuse v. gracilis, Laurencia paniculata, Laurencia*

*papillosa*, *Lenormandiopsis parthasarathyi*, *Leveillea jungermannioides*, *Chondria hypnoides*, *Dictyurus purpurescens*, *Heterosiphonia crispella*, *Veleroa karuvalensis*, *Heterosiphonia stuposa*, *Martensia fragilis*, *Vanvoorstia spectabilis*, *Polysiphonia platycarpa*, *Polysiphonia tuticorinensis* *Tolypiocladia glomerulata*

### **Marine algae of Mandapam and Pudumadam**

Mandapam coast is a rocky coast lined with sand stone boulders. Collection spot at Mandapam starts from the beach overlooking railway station and extends up to Pamban Bridge through Thonithurai. Most of the algal vegetation is seen only in Gulf of Mannar side and very few algae like *Hydrolithon iyengarii* and *Neogoniolithon palkensis* are collected from Palk Bay side. *Bostrychia tenella* can be located only at Mandapam beach in the crevices of rocks. Scientists of Marine Algae Research Station, Mandapam (a field station of Central Salts and Marine Chemicals Research Institute, Bhavnagar) have their *Kappaphycus* cultivation site near Pamban Bridge. Pudumadam is another rocky beach that can be reached from Uchipuli – 12 km away from Mandapam located on Mandapam – Ramnad national highway. Hard rocks at Pudumadam form excellent substrata for algae to attach and grow. A total number of 144 algae are reported to occur in Mandapam and Pudumadam. Algal flora here is dominated by red algae with 74 taxa, followed by green algae with 21 taxa and brown algae with 15 species and bluegreen with 4 taxa. All the taxa occurring in Mandapam and Pudumadam are listed below.



*Brachytrichia balani*, *Lyngbya confervoides*, *Microchaete aeruginea*, *Ammatoides normannii*, *Enteromorpha compressa*, *Chaetomorpha antennina*, *Chaetomorpha tortuosa*, *Cladophora colabense*, *Cladophoropsis zollingeri*, *Rhizoclonium grande*, *Bryopsis plumose*, *Caulerpa fastigiata*, *Caulerpa latevirens*, *Caulerpa peltata*, *Caulerpa racemosa*, *Caulerpa scalpelliformis* f. *dwarkensis*, *Caulerpa sedoides*, *Caulerpa sertularioides*, *Caulerpa taxifolia*, *Caulerpa uvifera*, *Halimeda gracilis*, *Penicillus sibogae*, *Boodlea composita*, *Dictyosphaeria cavernosa*, *Valoniopsis pachynema*, *Feldmannia kanyakumariensis*, *Giffordia conifera*, *Ralfsia expansa*, *Sphacelaria furcigera*, *Sphacelaria tribuloides*, *Dicyota ceylanica*, *Dicyota dichotoma*, *Dicyota dichotoma* var. *intricate*, *Dicyota dumosa*, *Lobophora indica*, *Lobophora nigrescens*, *Padina boergesenii*, *Stoechospermum marginatum*, *Sargassum wightii*, *Turbinaria ornate* f. *ecoronata*, *Goniotrichum elegans*, *Helminthocladia australis*, *Helminthocladia calvadosii* f. *indica*, *Liagora ceylanica*, *Liagora erecta*, *Liagora mannarensis*, *Galaxaura obtusata*, *Asparagopsis taxiformis*, *Falkenbergia hildenbrandtii*, *Gelidium pusillum*, *Gelidiella acerosa*, *Gelidiella indica*, *Gelidiella myriocladia*, *Grateloupia filicina*, *Cheilosporum spectabile*, *Jania adhaerens*, *Fosliella farinose*, *Neogoniolithon pudumadamensis*, *Pseudolithophyllum fosliei*, *Pseudolithophyllum lemoinei*, *Pseudolithophyllum mannarensis*, *Pseudolithophyllum setchelli*, *Grateloupia lithophila*, *Gelidiopsis variabilis*, *Gracilaria attenuata*, *Gracilaria blodgettii*, *Gracilaria corticata*, *Gracilaria corticata* var. *cylindrical*, *Gracilaria crassa*, *Gracilaria fergusonii*, *Gracilaria foliifera*, *Gracilaria mannarensis*, *Gracilaria pudumadamensis*, *Gracilaria millardetii*, *Gracilaria textorii*, *Gracilaria lemaneiformis*, *Solieria robusta*, *Hypnea valentiae*, *Gigartina acicularis*, *Botryocladia loptopoda*, *Champia parvula*, *Centroceras clavulatum*, *Ceramium cruciatum*, *Ceramium fimbriatum*, *Crouania boergesenii*, *Crouania iyengarii*, *Haloplegma duperreyi*, *Lejolisia columbiana*, *Tanakaella krishnamurthii*, *Tiffaniella codicola*, *Nitophyllum marginale*, *Acanthophora spicifera*, *Chondria armata*,

*Chondria dasyphylla*, *Herposiphonia tenella*, *Herposiphonia secunda*, *Laurencia caraibica*, *Laurencia claviformis*, *Laurencia grevilleana*, *Laurencia obtusua*, *Laurencia obtusua* var. *rigidula*, *Laurencia papillosa*, *Laurencia rigida*, *Leveillea jungermannioides*, *Polysiphonia unguiformis*, *Dasya baillouviana*, *Dasya caraibica*, *Dasya iyengarii*, *Dasya pedicellata*, *Martensia fragilis*, *Martensia indica*, *Taenioma perpusillum*, *Bostrychia tenella*, *Dictyurus purpurescens*.

### **Marine algae of Pamban, Rameswaram, Krusadai and other islands**

A total number of 149 marine algae are reported to occur in the islands such as Pamban, Rameswaram, Krusadai islands etc. Red algae numbering 71, green algae numbering 50, blue green algae numbering 17 and brown algae numbering 11 are recorded from these islands. *Caulerpa* is seen as a dominating genus with 22 taxa distributed in these islands. All the algae recorded from these islands are given below.

*Entophysalis granulose*, *Dermocarpa hemisphaerica*, *Dermocarpa versicolor*, *Lyngbya baculum*, *Lyngbya holdenii*, *Lyngbya gardneri*, *Lyngbya majuscula*, *Lyngbya semiplana*, *Microcoleus chthonoplastes*, *Hormothamnion enteromorhpoides*, *Nodularia spumigena*, *Microchaete aeruginea*, *Plectonema terebrans*, *Calothrix crustacea*, *Mastigocoleus testarum*, *Brachytricia quoyi*, *Ammatoides normannii*, *Phaeophila dendroides*, *Enteromorpha hopkirkii*, *Derbesia boergesenii*, *Bryopsis indica*, *Bryopsis pennata*, *Pseudobryopsis pambanensis*, *Caulerpa clavifera*, *Caulerpa crassifolia*, *Caulerpa cupressoides*, *Caulerpa fastigiata*, *Caulerpa fergusonii*, *Caulerpa freycinetii*, *Caulerpa laetevirens*, *Caulerpa lessonii*, *Caulerpa longistipitata*, *Caulerpa mexicana*, *Caulerpa*

*parvula*, *Caulerpa racemosa*, *Caulerpa racemosa* var. *chemnitzia*, *Caulerpa racemosa* var. *corynephora*, *Caulerpa racemosa* var. *uvifera*, *Caulerpa scalpelliformis*, *Caulerpa sedoides*, *Caulerpa sertularioides*, *Caulerpa sertularioides* f. *brevipes*, *Caulerpa taxifolia*, *Caulerpa verticillata*, *Caulerpella ambigua*, *Avrainvillea erecta*, *Chlorodesmis hildenbrandtii*, *Codium arabicum*, *Codium decorticatum*, *Codium latum*, *Halimeda gracilis*, *Halimeda macroloba*, *Halimeda tuna*, *Udotea caribaea*, *Udotea javensis*, *Anadyomene stellata*, *Microdictyon tenuis*, *Boergesenia forbesi*, *Struvea anastomosan*, *Dictyosphaeria favulosa*, *Valonia utricularis*, *Acetabularia parvula*, *Acetabularia calyculu*, *Acetabularia moebi*, *Neomeris annulata*, *Neomeris dumetosa*, *Dictyopteris woddwardii*, *Dictyota bartayresiana*, *Lobophora indica*, *Lobophora variegata*, *Spatoglossum asperum*, *Iyengaria stellata*, *Rosenvingeia orientalis*, *Sargassum plagiophyllum*, *Cystoseira trinodis*, *Turbinaria conoides*, *Turbinaria ornate* f. *ecoronata*, *Erythrocladia subintegra*, *Acrochaetium krusadii*, *Liagora ceranoides*, *Galaxura obtusata*, *Galaxaura oblongata*, *Scinaia furcellata*, *Gelidiella indica*, *Gelidiella acerosa*, *Gelidiella acerosa* f. *minima*, *Gelidiella bornetii*, *Carpopeltis millardi*, *Cryptonemia lomatio*, *Halymenia dilatata*, *Halymenia floresia*, *Champia parvula*, *Bryocladia leptopoda*, *Ceratodictyon spongiosum*, *Coelarthrum opuntia*, *Gelidiopsis repens*, *Halichrysis thivyae*, *Rhodymenia dissecta*, *Jania adhaerens*, *Jania capillacea*, *Jania rubens*, *Fosliella farinose*, *Hydrolithon craspedium* f. *craspedium*, *Hydrolithon iyengarii*, *Hydrolithon krusadiense*, *Hydrolithon onkodes* f. *onkodes*, *Hydrolithon reinboldii*, *Lithophyllum decipiens*, *Lithophyllum okamurai*, *Neogoniolithon crassifractum*, *Neogoniolithon ganesani*, *Pneophyllum extensum*, *Pneophyllum lejolisii*, *Spongites decipiens*, *Sporolithon indicum*, *Gracilaria crassa*, *Gracilaria debilis*, *Gracilaria disticha*, *Gracilaria edulis*, *Gracilaria foliifera*, *Gracilaria verrucosa*, *Gracilariopsis lemaneiformis*, *Tylotus indicus*, *Hypnea valentiae*, *Sarconema filiforme*, *Acrothamnion butleriae*, *Ceramium cruciatum*, *Ceramium deslongschampii*, *Ceramium subdichotomum*, *Euptilota*

*krusadiense*, *Pleonosporium columbiana*, *Wrangelia tenegana*, *Dasya iyengarii*, *Martensia fragilis*, *Nitophyllum marginale*, *Taenioma perpusillum*, *Bryocladia thwaitesii*, *Chondria armata*, *Chondria capillaries*, *Chondria dasyphylla*, *Laurencia ceylanica*, *Laurencia filiformis*, *Laurencia papillosa*, *Laurencia parvula*, *Lenormandiopsis parthasarathyi*, *Tolypiocladia condensate*, *Tolypiocladia glomerulata*.

#### **Marine algae of Mahabalipuram, Muttukadu, Covelong, Chennai, Royapuram and Ennore**

Chennai region has got several spots for collection of marine algae of varied habitats. Brackish water algae grow at Ennore and Muttukadu. Rock out crops at Covelong and Mahabalipuram form substrata for algae to attach and grow. All numbering 47 algae reported from this region are listed below.

*Hyella caespitosa*, *Gomontia polyrhiza*, *Enteromorpha compressa*, *Ulva covelongensis*, *Chaetomorpha antennina*, *Chaetomorpha littorea*, *Chaetomorpha tortuosa*, *Cladophora clavuligera*, *Rhizoclonium kernerii*, *Entoclaia viride*, *Struveopsis covalamensis*, *Ectocarpus breviarticulatus*, *Feldmannia indica*, *Hinckesia mitchelliae*, *Streblonema turmale*, *Sphacelaria kovalamensis*, *Sphacelaria tribuloides*, *Sphacelaria furcigera*, *Hamelella geminifructus*, *Padina tetrastromatica*, *Rosenvingea intricate*, *Bangiopsis dumontioides*, *Bangiopsis subsimplex*, *Erythrocladia irregularis*, *Erythrocladia subintegra*, *Porphyra vietnamensis*, *Acrochaetium krusadii*,

*Acrochaetium liagoraefilum*, *Acrochaetium liagoroides*, *Liagora dorida*, *Liagora erecta*, *Scinaia furcellata*, *Gelidiopsis repens*, *Gracilaria corticata*, *Gracilaria edulis*, *Hypnea muttukadensis*, *Hypnea valentiae*, *Grateloupia lithophila*, *Jania iyengarii*, *Ceramium transversale*, *Antithamnionella elegans*, *Centroceras clavulatum*, *Polysiphonia platycarpa*, *Polysiphonia sertularioides*, *Polysiphonia subtilissima*, *Bryocladia thwaitesii*, *Fosliella minutula*.

### **Algae of saltpans**

Tamilnadu has several saltpans along east coast. High salt concentration of saltpans hosts a unique flora of salt tolerant algae. These usually host bluegreen algae. There is only one report on the occurrence of 17 taxa of bluegreen algae from saltpans at Covelong, near Chennai. They are listed below.

*Lyngbya majuscula* Harvey ex Gomont, *Lyngbya semiplena* (C.Ag.) J. Ag. ex Gomont, *Lyngbya sordida* (Zanard.) Gomont, *Microcoleus chthonoplastes* Thuret ex Gomont, *Oscillatoria annae* van Goor, *Oscillatoria Formosa* Bory ex Gomont, *Oscillatoria limosa* Ag. ex Gomont, *Oscillatoria nigrovirides* Thwaites ex Gomont, *Oscillatoria salina* Biswas, *Oscillatoria sancta* (Kuetz.) Gomont, *Phormidium fragile* (Menegh.) Gomont, *Phormidium submembranaceum* (Ard. et Straff) Gomont, *Phormidium tenue* (Menegh.) Gomont, *Spirulina major* Kuetz. ex Gomont, *Spirulina subsalsa* Oerst. ex Gomont, *Trichodesmium erythraeum* Ehrenberg ex Gomont, *Anabaena* sp.

### **Common, Rare and endangered and endemic algae**

Algae are very delicate and most of them complete their life cycle within a short period. Majority of the freshwater algae especially of Volvocales, Tetrasporales and Chlorococcales are reported from temporary water bodies. The latter include lakes and ponds, rainwater pools, roadside puddles and beach pools. These are highly astatic and are frequently interfered with human activities such as house building, road laying, etc. Almost all such habitats from which most of the freshwater algae belonging to Volvocales, Tetrasporales and Charales were collected have vanished over the years. No further reports of these algae are available after Desikachary (1959), Iyengar and Desikachary (1981), and Philipose (1967). More over materials for all available monographs were collected from some selected places and do not represent true freshwater algal flora of Tamilnadu. Hence only a fresh enumeration of these members alover Tamilnadu alone will help us to understand fully the occurrence, distribution, rarity and endemism of freshwater algae. Based on the personal experience and available publications an attempt was made to catogorize the selected algae into common, rare and endangered and endemic algae. Members of the Cyanophyceae, Volvocales and Tetrasporales of the Chlorophyceae, freshwater and marine diatoms are not taken into account here. Of a total number of 342 taxa that are considered here one third of them are placed under common category as these are collected frequently. The remaining algae are either considered rare and

endangered or assigned as endemic algae. The last mentioned category contains algae that are reported/described only once. List of common algae, rare and endangered algae and endemic algae are given in Table 10.

Table 10 : COMMON, RARE AND ENDEMIC ALGAE

1	<i>Pediastrum ovatum</i> (Her.) A. Braun	Common
2	<i>Pediastrum duplex</i> Meyen	Common
3	<i>Pediastrum tetras</i> (Her.) Ralfs	Common
4	<i>Hydrodictyon indicum</i> Iyengar	Common
5	<i>Lagerheimia chodati</i> Bernard	Rare
6	<i>Botryococcus braunii</i> Kuetzing	Rare
7	<i>Scenedesmus quadricauda</i> (Turpin) Brebisson.	Common
8	<i>Scenedesmus quadricauda</i> var. <i>bicaudatus</i> Hansging	Common
9	<i>Scenedesmus quadricauda</i> var. <i>longispina</i> (chodat) G.M.Smith	Common
10	<i>Geminella minor</i> (Naegeli) Heerlmg	Rare
11	<i>Stichococcus bacillaris</i> Naegeli	Rare
12	<i>Stichococcus fragilis</i> (A.braun) Gay	Rare
13	<i>Heterotrichopsis viridis</i> Iyengar et Kanthamma	Rare
14	<i>Stigeoclonium aestivale</i> (Hazen) Collins	Common
15	<i>Stigeoclonium segarae</i> Islam	Common
16	<i>Draparnaldiopsis indica</i> Bharadwaja	Common
17	<i>Phaeophila dendroides</i> (Crouan) Batters	Rare
18	<i>Entocladia viride</i> Reinke	Rare
19	<i>Aphanochaete repens</i> A.Braun	Common
20	<i>Entocladia viridis</i> Reinke	Rare
21	<i>Entocladia leptochaete</i> (Huber) Burrows	Rare
22	<i>Pseuduvella americana</i> (Snow) Wille	Rare
23	<i>Pseuduvella americana</i> (Snow) Wille var. <i>indicus</i> Philipose	Rare
24	<i>Enteromorpha compressa</i> (Linn.) Nees	Common
25	<i>Enteromorpha intermedia</i> Bliding	Rare
26	<i>Enteromorpha intestinalis</i> (L.) Nees	Common
27	<i>Enteromorpha lingulata</i> J.G. Ag.	Rare
28	<i>Enteromorpha prolifera</i> (Fig. et De Not.) J. Ag.	Rare

29	<i>Ulva covelongensis</i> Krishnamurthy and Joshi	Endemic
30	<i>Ulva fasciata</i> Delile	Common
31	<i>Ulva lactuca</i> L.	Common
32	<i>Ulva reticulata</i> Forssk.	Rare
33	<i>Chaetomorpha antennina</i> (Bony) Kutzing	Common
34	<i>Chaetomorpha litorea</i> Harvey	Rare
35	<i>Chaetomorpha brachygona</i> Harvey	Rare
36	<i>Pithophora polymorpha</i> Wittrock	Common
37	<i>Cladophora vagabunda</i> (L.) van den hoek	Common
38	<i>Willella ordinata</i> Boergesen	Rare
39	<i>Gomontia polyrhiza</i> (Lagerh.) Bornet et Flah	Rare
40	<i>Trentepohlia monili</i> de Wildeman	Common
41	<i>Trentepohlia monili</i> var. <i>subspherica</i> Nirmala, Premila and Bharathan	Common
42	<i>Phycopeltis arundinacea</i> (Montagne) de Toni	Common
43	<i>Coleochaete pulvinata</i> A. Braun in Kutzing	Rare
44	<i>Coleochaete scutata</i> Breb	Common
45	<i>Derbesia boergeseni</i> (Iyengar and Ramanathan) Mayhoab	Endemic
46	<i>Bryopsis corymbosa</i> J. Ag.	Common
47	<i>Pseudobryopsis pambanensis</i> Iyengar	Rare
48	<i>Caulerpa cupressoides</i> (Vahl.) Ag.	Rare
49	<i>Caulerpa fastigiata</i>	Rare
50	<i>Caulerpa fergusonii</i> Murr.	Rare
51	<i>Caulerpa laetevirens</i> Mont	Common
52	<i>Caulerpa lessonii</i> Bory	Rare
53	<i>Caulerpa peltata</i> Lamour.	Common
54	<i>Caulerpa racemosa</i> (Forssk.) Weber v. Bosse	Common
55	<i>Caulerpa racemosa</i> var. <i>chemnitzia</i> (Esper) Web. V. Bosse	Common
56	<i>Caulerpa scalpelliformis</i> (R.Br.) Web. V. Bosse	Common
57	<i>Caulerpa sertularioides</i> (Gmel.) Howe	Common
58	<i>Caulerpa taxifolia</i> (Vahl.) Ag.	Common
59	<i>Caulerpa verticillata</i> J. Ag.	Rare
60	<i>Chlorodesmis hildenbrandtii</i> A. and E.S. Gepp	Rare
61	<i>Microdictyon tenuis</i> Decaisne ex J.E. Gray	Rare
62	<i>Boergesenia forbessi</i> (Harvey) Feldmann	Rare



63	<i>Struveopsis covalamensis</i> (Iyengar) Silva	Endemic
64	<i>Valoniopsis pachynema</i> (Martens) Boergs.	Common
65	<i>Valonia utricularis</i> (Roth) Ag.	Rare
66	<i>Acetabularia parvula</i> Solms-Laubach	Rare
67	<i>Acetabularia calyculus</i> Quoit et Guimard	Rare
68	<i>Acetabularia moebii</i> Solms-Laubach	Rare
69	<i>Neomeris annulata</i> Dickie	Rare
70	<i>Neomeris dumetosa</i> Lamour.	Rare
71	<i>Spirogyra africana</i> (Fritsch) Czurda	Common
72	<i>Spirogyra randhawae</i> Kilkwitz and Krieger	Common
73	<i>Sirocladium vandaloreense</i> Randhawa	Common
74	<i>Chara flaccida</i> Braun	Common
75	<i>Chara gymnopitys</i> Braun	Common
76	<i>Chara hydropitys</i> Reich	Common
77	<i>Chara vandalorensis</i> Sundaralingam	Common
78	<i>Chara zeylanica</i> Wildenow	Common
79	<i>Chara zeylanica f. macilenta</i> (A.Br.) Sundaralingam	Common
80	<i>Chara zeylanica f. incostans</i> (Kuetz.) Groves H. and J.	Common
81	<i>Chara zeylanica f. hildebrandtiana</i> (A.Br.) Sundaralingam	Rare
82	<i>Chara zeylanica f. humboldtii</i> (Kuetz.) Groves H. and J.	Common
83	<i>Chara zeylanica f. curassavica</i> (A.Br.) Groves H. and J.	Rare
84	<i>Nitella acuminata</i> A. Braun	Rare
85	<i>Nitella wattii</i> Groves	Common
86	<i>Nitella oligospira</i> Br.	Common
87	<i>Nitella furcata</i> (Roxburgh apud Bruzelius) Agardh	Common
88	<i>Nitella furcata var. roxburghii</i> (Braun) Zaneveld	Rare
89	<i>Nitella mucronata</i> (Br.) Miquel	Rare
90	<i>Nitella myriotrilchia sub sp. incurvata</i> Subramaniam	Rare
91	<i>Nitella myriotrilchia sub sp. acuminata</i> Subramaniam	Rare
92	<i>Nitella tenuissima</i> (Desv.) Kutz.	Common
93	<i>Nitella hyalina</i> (De Cond.) Agardh	Common
94	<i>Nitella terrestris</i> Iyengar	Rare
95	<i>Tolypella intricata em var. dispersa</i> Subramaniam	Rare
96	<i>Bachelotia antillarum</i> (Gruenow) Gerloff	Rare

97	<i>Ectocarpus arabicus</i> Fig. et Denot.	Rare
98	<i>Ectocarpus breviarticulatus</i> J. Agardh	Rare
99	<i>Feldmannia indica</i> (Sonder) Womersley and Bailey	Rare
100	<i>Feldmannia kanyakumariensis</i> Krishnamurthy and Baluswami	Rare
101	<i>Hincksia mitchelliae</i> (Harv.) Hamel	Common
102	<i>Streblonema turmale</i> Boergesen	Rare
103	<i>Ralfsia expansa</i> (J.Ag.) J.Ag.	Endemic
104	<i>Sphacelaria furcigera</i> Kuetzing	Common
105	<i>Sphacelaria kovalamensis</i> Krishnamurthy and Baluswami	Endemic and Rare
106	<i>Sphacelaria novae-hollandiae</i> Sonder	Rare
107	<i>Sphacelaria tribuloides</i> Meneghini	Common
108	<i>Dictyopteris australis</i> Sonder	Common
109	<i>Dictyopteris delicatula</i> Lamour.	Common
110	<i>Dictyopteris muelleri</i> (Sonder) Web. V. Bosse	Rare
111	<i>Dictyopteris woodwardii</i> (Brown) J. Ag.	Rare
112	<i>Dictyota bartayresiana</i> Lamour.	Rare
113	<i>Dictyota ceylanica</i> Kuetzing	Common
114	<i>Dictyota dichotoma</i> (Huds.) Lamour.	Common
115	<i>Dictyota maxima</i>	Rare
117	<i>Lobophora indica</i> (Umamaheswara Rao) Krishnamurthy and Baluswami	Common
118	<i>Lobophora variegata</i> (Lamour.) Womersley ex Oliveira	Common
119	<i>Lobophora nigrescens</i> J. Agardh	Common
120	<i>Padina boergesenii</i> Allender and Kraft	Common
121	<i>Padina distromatica</i> Hauck	Common
122	<i>Padina glabra</i> Gaillard	Rare
123	<i>Padina tetrastromatica</i> Hauck.	Common
124	<i>Spatoglossum asperum</i> J. Ag.	Rare
125	<i>Stoechospermum marginatum</i> (Ag.) Kuetz.	Common
126	<i>Hamelella dermonematis</i> (Boergesen) Srinivasan	Rare
127	<i>Hamelella geminifructus</i> (Boergesen) Srinivasan	Rare
128	<i>Hecatonema sargassicola</i> Boergs.	Endemic
129	<i>Hecatonema terminale</i> (Kuetz.) Kylin	Rare
130	<i>Levringia boergesenii</i> Kylin	Rare
131	<i>Colpomenia sinuosa</i> Derb. et Sol.	Common

132	<b>Hydroclathrus clathratus (C.Ag.) Dwarka</b>	Common
133	<i>Iyengaria stellata</i> (Boergs.) Boergs.	Rare
134	<i>Rosenvingea intricata</i> (J.Ag.) Boergs.	Common
135	<i>Rosenvingea orientalis</i> (J.Ag.) Boergesen	Rare
136	<i>Chnoospora bicanaliculata</i> Krishnamurthy and Thomas	Common
137	<i>Chnoospora fastigiata</i> J.Ag.	Rare
138	<i>Chnoospora implexa</i> (Her.) J.Ag.	Rare
139	<i>Cystoseira trinodis</i> (Forsskal) C.Ag.	Deep water form
140	<i>Hormophysa cuneiformis</i> (Gmelin) Silva	Rare
141	<i>Sargassum wightii</i> Greville	Common
142	<i>Turbinaria conoides</i> (J.Ag.) Kuetz.	Common
143	<i>Turbinaria conoides</i> var. <i>conoides</i> Taylor f. <i>laticuspidata</i> Taylor	Common
144	<i>Chroothece richteriana</i> Hansgirg	Rare
145	<i>Bangiopsis dumontioides</i> (Crouan) Krishnamurthy	Rare
146	<i>Bangiopsis subsimplex</i> (Montagne) Schmitz in Schmitz & Hauptfleisch	Rare
147	<i>Goniotrichum elegans</i> (Chauv.) Zanardini	Rare
148	<i>Erythrocladia irregularis</i> Rosenv.	Common
149	<i>Erythrocladia subintegra</i> Rosenvinge	Common
150	<i>Erythrotrichia carnea</i> (Dillw.) J. Ag.	Rare
151	<i>Composopogon coeruleus</i> (Balbis) Montagne	Rare
152	<i>Composopogon hookeri</i> Montagne	Rare
153	<i>Composopogon iyengarii</i> Krishnamurthy	Common
154	<i>Porphyra kanyakumariensis</i> Krishnamurthy et Baluswami	Rare
155	<i>Porphyra vietnamensis</i> Tanaka et Pham-Hoang Ho	Rare
156	<i>Acrochaetium liagoraefilum</i> Boergesen	Rare
157	<i>Acrochaetium liagoroides</i> Boergesen	Rare
158	<i>Acrochaetium tuticorinense</i> Boergesen	Endemic
159	<i>Kylinia robusta</i> (Boergesen) Desikachary, Krishnamurthy et Balakrishnan	Rare
160	<i>Kylinia spathoglossi</i> (Boergesen) Aleem	Rare
161	<i>Batrachospermum ectocarpum</i> Sirodot	Rare
162	<i>Batrachospermum umamaheswararaoi</i> Baluswami and Babu	Endemic and Rare
163	<i>Sirodotia cirrhosa</i> Skuja ex Balakrishnan and Chaugule	Rare
164	<i>Tuomeya americana</i> (Kuetzing) Papenfuss	Rare
165	<i>Liagoropsis schrami</i> (Crouan ex Maze and Schramm) Doty and Abbott	Rare

166	<i>Dermonema frappieri</i> (Mont. And Millard.) Boergesen	Common
167	<i>Helminthocladia calvadosii</i> f. <i>indica</i> Desikachary	Endemic
168	<i>Helminthocladia calvadosii</i> f. <i>comorinensis</i> Krishnamurthy and Sundararajan	Endemic
169	<i>Liagora ceranooides</i> Lamouroux	Rare
170	<i>Liagora ceylanica</i> Zeh	Rare
171	<i>Liagora doridis</i> Zeh	Rare
172	<i>Liagora erecta</i> Zeh	Rare
173	<i>Liagora mannarensis</i> Krishnamurthy and Sundararajan	Endemic
174	<i>Liagora orientalis</i> J. Ag.	Rare
175	<i>Liagora viscida</i> (Forsskal) Agardh	Rare
176	<i>Actinotrichia fragilis</i> (Forsskal) Boergesen	Rare
177	<i>Galaxaura obtusata</i> (Solander in Ellis and Solander) Lamouroux	Rare
178	<i>Galaxaura lenta</i> Kjellman	Rare
179	<i>Galaxaura oblongata</i> (Solander in Ellis and Sol.) Lamouroux	Rare
180	<i>Scinaia bengalica</i> Boergesen	Rare
181	<i>Scinaia carnosa</i> Harvey ex Agardh. J.G.	Rare
182	<i>Scinaia fascicularis</i> (Boergesen) Huisman	Rare
183	<i>Scinaia furcellata</i> Bivona-Bernardi	Rare
184	<i>Asparagopsis taxiformis</i> (Delile) Trivisan	Rare
185	<i>Gelidium pusillum</i> (Stackhouse) Le Jolis	Common
186	<i>Gelidiella indica</i> Rao, P.C.	Rare
187	<i>Gelidiella acerosa</i> (Forsskal) Feldmann & Hamel	Common
188	<i>Gelidiella acerosa</i> f. <i>minima</i> Rao, P.S.	Rare
189	<i>Gelidiella myrioclada</i> (Boergesen) Feldmann & Hamel	Rare
190	<i>Gelidiella bornetii</i> (Weber van Bosse) Feldmann & Hamel	Rare
191	<i>Corynomorpha prismatica</i> (J.Agardh) J. Agardh	Rare
192	<i>Cryptonemia coriacea</i> Schmitz	Rare
193	<i>Cryptonemia lomatio</i> (bertoloni) J. Agardh	Rare
194	<i>Cryptonemia undulata</i> Sonder	Rare
195	<i>Grateloupia filicina</i> (Wulfen) C.A. Agardh f. <i>filicina</i>	Common
196	<i>Grateloupia lithophila</i> Boergesen	Common
197	<i>Champia compressa</i> Harvey	Common
198	<i>Champia parvula</i> (Agardh) Harvey	Common
199	<i>Botryocladia leptopoda</i> (J. Agardh) Kylin	Rare

200	<i>Ceratodictyon spongiosum</i> Zanardilni	Rare
201	<i>Gelidiopsis repens</i> (Kuetzing) Schmitz.	Common
202	<i>Gelidiopsis variabilis</i> (Grev.) Schmitz	Common
203	<i>Halichrysis thivyae</i> (Dawson) Eiseman <i>et</i> Moe	Rare
204	<i>Rhodymenia dissecta</i> Boergesen	Rare
205	<i>Amphiroa anastomosans</i> Weber <i>van</i> Bosse	Common
206	<i>Amphiroa fragilissima</i> (L.) Lamouroux	Common
207	<i>Amphiroa anceps</i> (Lamarck) Decaisne	Common
208	<i>Cheilosporum spectabile</i> (Harvey) Weber <i>van</i> Bosse	Common
209	<i>Jania adhaerens</i> Lamouroux	Common
210	<i>Fosliella farinosa</i> (Lamouroux) Howe	Common
211	<b>Hydrolithon craspedium f. craspedium</b>	Rare
212	<i>Hydrolithon iyengarii</i> Desikachary <i>et</i> Ganesan	Endemic
213	<i>Hydrolithon krusadiense</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
214	<i>Neogoniolithon crassifructum</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
215	<i>Neogoniolithon desikacharyi</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
216	<i>Neogoniolithon ganesani</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
217	<i>Neogoniolithon misakiense</i> (Foslie) Setchel <i>et</i> Mason	Common
218	<i>Neogoniolithon palkensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
219	<i>Neogoniolithon pudumadamensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
220	<i>Neogoniolithon tiruchendurensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
221	<i>Pneophyllum extensum</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
222	<i>Pseudolithophyllum fosliei</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
223	<i>Pseudolithophyllum lemoinei</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
224	<i>Pseudolithophyllum mannarensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
225	<i>Pseudolithophyllum pambanensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
226	<i>Pseudolithophyllum setchelli</i> Krishnamurthy <i>et</i> Jayagopal	Rare
227	<i>Pseudolithophyllum tuticorinensis</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
228	<i>Spongites decipiens</i> Chamberlain	Rare
229	<i>Sporolithon indicum</i> Krishnamurthy <i>et</i> Jayagopal	Endemic
230	<i>Sporolithon erythraeum</i> (Rothpletz) Kylin	Rare
231	<i>Titanoderma ascripticum</i> (Foslie) Woelkerling, Chamberlain <i>and</i> Silva	Rare
232	<i>Gracilaria attenuata</i> (M.U.Rao) Krishnamurthy	Rare
233	<i>Gracilaria blodgettii</i> Harvey	Rare

234	<i>Gracilaria corticata</i> J. Ag.	Common
235	<i>Gracilaria crassa</i> (Harvey) J.Ag.	Rare
236	<i>Gracilaria cylindrica</i> Boergesen	Rare
237	<i>Gracilaria debilis</i> (Forsskal) Boergesen	Rare
238	<i>Gracilaria disticha</i> J.Ag.	Common
239	<i>Gracilaria dura</i> (Ag.) J.Ag.	Rare
240	<i>Gracilaria edulis</i> (Gmelin) Silva	Common
241	<i>Gracilaria fergusonii</i> J.Ag.	Common
242	<i>Gracilaria foliifera</i> (Forsskal) Boergesen	Common
243	<i>Gracilaria idinthakaraiensis</i> Umamaheswara Rao	Endemic
244	<i>Gracilaria kanyakumariensis</i> Umamaheswara Rao	Endemic
245	<i>Gracilaria kilakkaraiensis</i> Krishnamurthy et Rajendran	Endemic
246	<i>Gracilaria mannarensis</i> Umamaheswara Rao	Endemic
247	<i>Gracilaria millardetii</i> (Mont.) Ag.	Rare
248	<i>Gracilaria pudumadamensis</i> Krishnamurthy et Rajendran	Endemic
249	<i>Gracilaria opuntia</i> (J.Ag.) Krishnamurthy et Rajendran	Rare
250	<i>Gracilaria rostrata</i> Umamaheswara Rao	Rare
251	<i>Gracilaria tuticorinensis</i> Krishnamurthy et Rajendran	Endemic
252	<i>Gracilaria verrucosa</i> (Hudson) Papenfus	Rare
253	<i>Gracilariopsis lemaneiformis</i> (Bory) Dawson, Aceleto and Folkwiik	Rare
254	<i>Tylopus indicus</i> (Umamaheswara Rao) Krishnamurthy	Endemic
255	<i>Tenaciophyllum lobatum</i> Boergesen	Endemic
256	<i>Hypnea muttukadensis</i> Prema and Subramanian	Endemic
257	<i>Hypnea musciformis</i> (Wulf.) Lamouroux	Common
258	<i>Hypnea valentiae</i> (Turner) Montagne	Common
259	<i>Portieria hornemannii</i> (Lyngbye) Silva	Common
260	<i>Sarconema filiforme</i> (Sonder) Kylin	Common
261	<i>Solieria robusta</i> (Grev.) Kylin	Rare
262	<i>Caulacanthus ustulatus</i> (Mertens ex Turner) Kuetzing	Rare
263	<i>Acrothamnion butelrii</i> (Collins) Kylin	Rare
264	<i>Aglaothamnion byssoides</i> (Arnott ex Harvey) L.Hardy-Halos et Rueness	Rare
265	<i>Aglaothamnion neglectum</i> Feldmann-Mazoyer	Rare
266	<i>Antithamnion plumula</i> (Ellis) Thuret in Lejolis	Rare
267	<i>Antithamnionella elegans</i> (Berthold) Price et John	Rare

268	<i>Antithamnionella floccosa</i> (Mueller) Whittick	Rare
269	<i>Bornetia tenuis</i> Baldock et Womersley	Rare
270	<i>Ceramium cruciatum</i> Collins et Harvey	Common
271	<i>Centroceras clavulatum</i> (C.Agardh) Montagne	Common
272	<i>Crouania boergeseni</i> Subramanian	Endemic
273	<i>Crouania iyengarii</i> Subramanian	Endemic
274	<i>Desikacharyella indica</i> Subramanian	Endemic
275	<i>Euptilota articulata</i> (J.Agardh) Schmitz	Rare
276	<i>Euptilota krusadiense</i> Krishnamurthy	Endemic
277	<i>Griffithsia corallinoides</i> (Linnaeus) Trevisan	Rare
278	<i>Gymnothamnion elegans</i> (Schousboe) J. Agardh	Rare
279	<i>Lejolisia columbiana</i> Taylor	Rare
280	<i>Pleonosporium borneri</i> (Smith) Naegeli	Rare
281	<i>Pleonosporium caribaeum</i> (Boergesen) Norris	Rare
282	<i>Pleonosporium polymorphum</i> Itono	Rare
283	<i>Ptilothamnion cladophorae</i> (Yamada et Tenakai) Feldmann-Mazoyer	Rare
284	<i>Ptilothamnion subsimplex</i> Gordon	Rare
285	<i>Spermothamnion boergeseni</i> Krishnamurthy	Rare
286	<i>Spermothamnion umamaheswaraoi</i> Krishnamurthy	Rare
287	<i>Spyridia filamentosa</i> (Wulfen) Harvey	Common
288	<i>Spyridia fusiformis</i> Boergesen	Common
289	<i>Spyridia hypnoides</i> (Bory) Papenfuss	Rare
290	<i>Tanakaella klrishnamurthii</i> Subramanian	Rare
291	<i>Tilffaniella codicola</i> (Yamada et Tanaka) Doty et Menez.	Rare
292	<i>Wrangelia argus</i> (Montagne) Montagne	Rare
293	<i>Wrangelia balakrishnenii</i> Subramanian	Endemic
294	<i>Wrangelia bicuspidata</i> Boergesen	Rare
295	<i>Wrangelia sundaralingamii</i> Subramanian	Endemic
296	<i>Wrangelia tenegana</i> Harvey	Rare
297	<i>Dasya baillouviana</i> (Gmelin) Montagne	Rare
298	<i>Dasya caraibica</i> Boergesen	Rare
299	<i>Dasya flagellifera</i> Boergesen	Rare
300	<i>Dasya iyengarii</i> Boergesen	Endemic
301	<i>Dictyurus purpurescens</i> Bory	Common

302	<i>Heterosiphonia crispella</i> (C. Ag.) Wynne	Rare
303	<i>Heterosiphonia stuposa</i> (J. Agardh) De Toni	Rare
304	<i>Acrosorium klrishnamurthyi</i> Umamaheswara Rao	Rare
305	<i>Acrosorium venulosum</i> (Zanardini) Kylin	Rare
306	<i>Martensia fragilis</i> Harvey	Rare
307	<i>Martensia indica</i> Krishnamurthy et Thomas	Rare
308	<i>Nitophyllum marginale</i> Harvey in Kuetzing	Rare
309	<i>Platysiphonia delicata</i> (Clemente y Rubio) Cremades	Rare
310	<i>Taenioma perpusillum</i> (J. Agardh) J. Agardh	Rare
311	<i>Vanvoorstia spectabilis</i> Harvey	Rare
312	<i>Acanthophora muscoides</i> (L.) Bory	Rare
313	<i>Acanthophora najadiformis</i> (Delile) Papenfus	Rare
314	<i>Acanthophora spicifera</i> (Vahl.) Boergesen	Common
315	<i>Bostrychia tenella</i> (Vahl.) J. Agardh	Rare
316	<i>Chondria armata</i> (Kuetzing) Okamura	Rare
317	<i>Chondria capillaris</i> (Hudson) Wynne	Rare
318	<i>Herposiphonia insidiosa</i> (Greville) Falkenberg	Common
319	<i>Herposiphonia secunda</i> (Agardh) Ambronn	Common
320	<i>Herposiphonia tenella</i> (C. Agardh) Naegeli	Common
321	<i>Laurencia brandenii</i> Saito et Womersley	Rare
322	<i>Laurencia caraibica</i> Silva	Rare
323	<i>Laurencia ceylanica</i> J. Agardh	Rare
324	<i>Laurencia claviformis</i> Boergesen	Endemic
325	<i>Laurencia elata</i> (C. Ag.) Harvey	Rare
326	<i>Laurencia filiformis</i> (Agardh) Montagne	Rare
327	<i>Laurencia flagellifera</i> J. Ag.	Common
328	<i>Laurencia indica</i> Hauck	Rare
329	<i>Laurencia obtusa</i> (Hudson) Lamouroux	Common
330	<i>Laurencia obtusa</i> var. <i>gracilis</i> Kuetzing	Endemic
331	<i>Laurencia papillosa</i> (Forsskal) Greville	Common
332	<i>Lenormandiopsis parthasarathyi</i> (Krishnamurthy) Krishnamurthy et Joshi	Endemic
333	<i>Leveillea jungermannioides</i> (Martens et Hering) Harvey	Common
334	<i>Lophocladia lallemandii</i> (Montagne) Schmitz	Rare
335	<i>Lophocladia trichoclados</i> (C. Agardh) Schmitz	Rare



336	<i>Neurymenia fraxinifolia</i> (Mertens) J. Agardh	Rare
337	<i>Veleroa karuvalensis</i> (Prasanna Varma) Krishnamurthy et Thomas	Rare
338	<i>Polysiphonia sertularioides</i> (Grat.) J. Ag.	Rare
339	<i>Polysiphonia subtilissima</i> Montagne	Rare
340	<i>Polysiphonia tuticorinensis</i> Boergesen	Common
341	<i>Tolypocladia condensata</i> (Weber van Bosse) Silva	Rare
342	<i>Tolypocladia glomerulata</i> (C. Agardh) Schmitz	Rare

## References

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