

Division : Cyanophyta (Myxophyta)
Blue-Green Algae

MARINE ALGAE IN THAILAND

Order / Family	Genus / Species	Site found	Reported by / Year
Chroococcales			
Chroococcaceae	<i>Chroococcus</i> Naegeli <i>C. turgidus</i> (Kützing) Naegeli	Khung Krabane, Chanthaburi: among the filaments of <i>Hydrocoleum lyngbyaceum</i> together with other filamentous blue-green algae.	Umezaki and Lewmanomont (1991)
Chamaesiphonaceae	<i>Xenococcus</i> Thuret <i>X. gilkeyae</i> Setchell et Gardner	Ban Phe, Rayong : on <i>Lyngbya semiplena</i> ; Si Racha, Chanthaburi: on <i>Lyngbya semiplena</i> .	Umezaki and Lewmanomont (1991)
	<i>Hyella</i> Bornet et Flahault <i>H. caespitosa</i> Bornet et Flahault	In dead mollusk shells : Khung Krabane, Chanthaburi ; Ban Phe and Prasae, Rayong ; Si Racha ; Chon Buri, Hua Krang, Phangnga.	Umezaki and Lewmanomont (1991)
	<i>Pleurocapsa</i> <i>P. crepidinum</i> Collins	Si Racha, Chanthaburi : on rocks or on <i>Kyrtuthrix maculans</i> near high tide level, on the bottom of a concrete tank in which <i>Gracilaria</i> spp. are cultivated.	Umezaki and Lewmanomont (1991)

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Nostocales			
Oscillatoriaceae	<i>Oscillatoria</i> Vaucher		
	<i>O. brevis</i> (Kützting) Gomont	Khung Krabane, Chanthaburi : among muddy grains in the intertidal zone; Si Racha, Chanthaburi : on muddy bottom in concrete tank in which <i>Gracilaria</i> spp. are cultivated.	Umezaki and Lewmanomont (1991)
	<i>O. chalybea</i> Mertens ex Gomont	Si Racha, Chanthaburi : on muddy bottom in a concrete tank in which <i>Gracilaria</i> spp. are cultivated.	Umezaki and Lewmanomont (1991)
	<i>O. corallinae</i> (Kützting) Gomont	Prasae, Rayong : among the filaments of <i>Dichotomosiphon</i> sp. ; Ban Phe, Rayong : among the filaments of <i>Cladophoropsis</i> sp.	Umezaki and Lewmanomont (1991)
	<i>O. margaritifera</i> (Kützting) Gomont	Thailand. Khung Krabane, Chanthaburi : among the filamentous blue-green algae in a brackish water shrimp pond; Sri Racha, Chonburi : on muddy bottom in a concrete tank in which <i>Gracilaria</i> spp. are cultivated.	Nateewathana <i>et al.</i> (1981) Umezaki and Lewmanomont (1991)

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	<i>O. nigro-viridis</i> Thwaites ex Gomont	Si Racha, Chon Buri : among the filaments of <i>Ulothrix</i> sp. in a rock depression in the intertidal zone.	Umezaki and Lewmanomont (1991)
	<i>O. tenuis</i> Agardh var. <i>natans</i> Gomont	Waterhole near Lem Ngob.	Schmidt (1900-1916)
	Trichodesmium Ehrenberg <i>T. hildebrandtii</i> Gomont	Koh Chang, Golfe de Siam. Koh Chang; abundant in maritime plankton throughout the area explored.	Weber-van Bosse (1913) Schmidt (1900-1916)
	Phormidium Kützing <i>P. ambiguum</i> Gomont	Khung Krabane, Chanthaburi : among the filaments of <i>Hydrocoleum lyngbyaceum</i> and other filamentous blue-green algae.	Umezaki and Lewmanomont (1991)
	<i>P. endolithicum</i> Ercegovic	Ban Phe, Rayong : in dead coral blocks, together with Gomontia stage of <i>Monostroma</i> sp.	Umezaki and Lewmanomont (1991)
	<i>P. inundatum</i> Kützing	Waterhole near Lem Ngob.	Schmidt (1900-1916)

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	<i>Lyngbya</i> Agardh		
	<i>L. confervoides</i> Agardh ex Gomont	Mae Yai Bay, Kao Surin, Phangnga.	Umezaki and Lewmanomont (1991)
	<i>L. lutea</i> (Agardh) Gomont	Si Racha, Chanthaburi : on rocks near high tide level, together with <i>Lyngbya semiplena</i> .	Umezaki and Lewmanomont (1991)
	<i>L. semiplena</i> (C.Agardh) J. Agardh ex Gomont	Prasae, Rayong : on rocks along high tide level ; Khung Krabane, Chanthaburi : on aerial roots of mangrove; Si Racha, Chanthaburi : on rocks along high tide level, together with <i>Lyngbya lutea</i> and <i>Calothrix scopulorum</i> .	Umezaki and Lewmanomont (1991)
	<i>L. majuscula</i> (Dillw.) Harvey ex Gomont	Mangrove swamp near Lem Dan on aerial roots of <i>Rhizophora conjugatae</i> between tide-marks. Thailand. Nai Yang Beach, and Rawai Beach, Phuket; Hua Krang, and Kao Lak, Phangnga; Sai En Bay, Ko Pipidon, Krabi and Ko Surin, Phangnga. Coral reefs. Coral reefs, tide pools, on other seaweeds or seagrasses.	Schmidt (1900-1916) Nateewathana <i>et al.</i> (1981) Umezaki and Lewmanomont (1991) Lewmanomont (1988) Lewmanomont and Ogawa (1995)

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	<i>L. epiphytica</i> Engler et Prantl	Thailand.	Nateewathana et al. (1981)
	Hydrocoleum Kützting		
	<i>H. cantharidosmum</i> (Mont.) Gomont	Hua Krang, Phangnga : on rocks in the intertidal zone.; Nai Yang, Phuket.	Umezaki and Lewmanomont (1991)
	<i>H. lymbbyaceum</i> Kützting ex Gomont	Mangrove swamp near Lem Ngob, forming black, shining patches on the muddy ground and on aerial roots of <i>Avicennia officinalis</i> . Khung Krabane, Chanthaburi: Floating forming large masses in brackish water shrimp ponds, together with other filamentous blue-green algae; Hua Krang, Phangnga.	Schmidt (1900-1916) Umezaki and Lewmanomont (1991)
	Schizothrix Kützting		
	<i>S. lamyi</i> Gomont	With <i>S. theleporoides</i> on wet rocks in the jungle near Klong Munse.	Schmidt (1900-1916)
	<i>S. theleporoides</i> Gomont	Abundant on rocks in the jungle near Klong Munse.	Schmidt (1900-1916)

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	<i>Heteroleibleinia</i>		
	<i>H. kuetzingii</i> (Schmidt) Compere	Khung Krabane, Chanthaburi: on <i>Chaetomorpha</i> sp., together with <i>Lyngbya sordida</i> .	Umezaki and Lewmanomont (1991)
	<i>Leibleinia</i> Endl.		
	<i>L. epiphytica</i> (Hieron.) Anagnostidis et Kaomarek	Ban Phe, Rayong: on <i>Lyngbya semiplena</i> .	Umezaki and Lewmanomont (1991)
	<i>L. holdenii</i> (Forti) Umezaki et Lewmanomont, comb. nov.	Si Racha, Chanthaburi: on <i>Lyngbya semiplena</i> , together with <i>Xenococcus gilkeyae</i> .	Umezaki and Lewmanomont (1991)
	<i>L. nordgaardii</i> (Wille) Anagnostidis et Kaomarek	Prasae, Rayong: on <i>Kyrtuthrix maculans</i> ; Khung Krabane, Chanthaburi: on <i>Chaetomorpha</i> sp.	Umezaki and Lewmanomont (1991)
	<i>L. sordida</i> (Zanard. ex Gomont) Umezaki et Lewmanomont, comb. nov.	Khung Krabane, Chanthaburi: on <i>Chaetomorpha</i> sp. in the intertidal zone, on aerial roots of mangrove, together with <i>Calothrix pilosa</i> .	Umezaki and Lewmanomont (1991)
	<i>Microcoleus</i> Desmaz.		
	<i>M. chthonoplastes</i> Thuret ex Gomont	Khung Krabane, Chanthaburi: forming a large mass in a brackish water shrimp pond, together with other filamentous blue-green algae.	Umezaki and Lewmanomont (1991)

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	<i>M. tenerrimus</i> Gomont	Ban Phe, Rayong: on dead mollusk shells, together with <i>M. chthonoplastes</i> ; Prasae, Rayong : in the mud covering the rock surface along high tide level, together with <i>Lyngbya semiplena</i> .	Umezaki and Lewmanomont (1991)
	<i>Spirulina</i> Turp. <i>S. major</i> Kützing ex Gomont	Khung Krabane, Chanthaburi: among the filaments of <i>Hydrocoleum lyngbyaceum</i> and other filamentous blue-green algae.	Umezaki and Lewmanomont (1991)
	<i>Symploca</i> Kütz. <i>S. hydroides</i> Kützing ex Gomont	Thailand. Hua Krang, Phangnga; Ko He, and Nai Yang Beach, Phuket. Coral reefs. On gravel or bottom surface of shallow water.	Nateewathana <i>et al.</i> (1981) Umezaki and Lewmanomont (1991) Lewmanomont (1988) Lewmanomont and Ogawa (1995)
	<i>S. laete-virens</i> Gomont	Nai Yang Beach, Phuket.	Umezaki and Lewmanomont (1991)

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	<i>Phormidium</i> Kützing		
	<i>P. inundatum</i> Kützing	Waterhole near Lem Ngob. Mangrove areas.	Schmidt (1900-1916) Lewmanomont (1976)
	<i>P. ambiguum</i> Gomont	Khung Krabane, Chanthaburi: among the filaments of <i>Hydrocoleum lyngbyaceum</i> and other filamentous blue-green algae.	Umezaki and Lewmanomont (1991)
	<i>P. endolithicum</i> Ercegovic	Ban Phe, Rayong: in dead coral blocks, together with <i>Gomontia</i> stage of <i>Monostroma</i> sp.	Umezaki and Lewmanomont (1991)
Nostocales Nostocaceae	<i>Nodularia</i> Agardh		
	<i>N. spumigena</i> Martens var. β . <i>litorea</i> Bornet et Flahault	Koh Kong, on the sandy seashore between tide- marks.	Schmidt (1911-1916)
	<i>Hormothamnium</i> Grun.		
	<i>H. enteromorphoides</i> Grunow ex Bornet et Flahault	Nai Yang Beach, Phuket.	Umezaki and Lewmanomont (1991)
	<i>H. solutum</i> Bornet et Grunow ex Bornet et Flahault	Thailand. Hua Krang, Phangnga; Rawai Beach, Phuket. Shallow water or tidepools.	Nateewathana <i>et al.</i> (1981) Umezaki and Lewmanomont (1991) Lewmanomont and Ogawa (1995)

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Scytonemataceae	<i>Desmonema</i> Berkeley et Thwaites		
	<i>D. wrangellii</i> Bornet et Flahault	Jungle near Klong Sarlakpet (alt. 700 ft.) on rocks in a waterfall.	Schmidt (1900-1916)
	<i>Scytonema</i> Agardh		
	<i>S. mirabile</i> Bornet	On dry rocks in the jungle near Klong Munse.	Schmidt (1900-1916)
	<i>S. hofmanni</i> Agardh	Common in the jungle all over Koh Chang, epiphytic on ferns and other low plants and also on rocks.	Schmidt (1900-1916)
	<i>S. ocellatum</i> Lyngbye	Lem Dan, on the stem of Cocoa palms; jungle near Klong Munse, on rocks.	Schmidt (1900-1916)
	<i>S. schmidtii</i> Gomont n.sp.	Open ground near Lem Dan, on limestones.	Schmidt (1900-1916)
	<i>S. javanicum</i> Bornet	Lem Dan, on trees and rocks near the sea; Klong Son, on trees in the jungle.	Schmidt (1900-1916)
	<i>S. guyanense</i> Bornet et Flahault	Lem Dan on trees near the sea ; jungle near Klong Munse, on rocks.	Schmidt (1900-1916)

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	<i>S. crispum</i> Bornet	With <i>Stigonema minutum</i> on rocks in the jungle near Klong Munse.	Schmidt (1900-1916)
	Microchaete Thuret		
	<i>M. vitiensis</i> Askenasy ex Bornet et Flahault	Ban Phe, Rayong: on <i>Cladophoropsis</i> sp. in a rock depression along high tide level.	Umezaki and Lewmanomont (1991)
Stigonematales Stigonemataceae	Stigonema Agardh		
	<i>S. mamillosum</i> Agardh	Lem Dan, on stones in a stream.	Schmidt (1900-1916)
	<i>S. informe</i> Kützing	Jungle near Klong Munse, on wet rocks with <i>Stigonema ocellatum</i> and <i>Schizothrix theleporoides</i> , etc.	Schmidt (1900-1916)
	<i>S. turfaceum</i> Cooke	Jungle near Klong Munse, on humid rocks in company with <i>S. minutum</i> .	Schmidt (1900-1916)
	<i>S. minutum</i> Hassall	Klong Munse, on rocks in the jungle; Lem Dan, on stones in a stream.	Schmidt (1900-1916)
	<i>S. ocellatum</i> Thuret	Klong Son and Klong Munse, on wet rocks in the jungle	Schmidt (1900-1916)

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	<i>S. hormoides</i> Bornet et Flahault	Jungle near Klong Son, epiphytic on the leaves of small herbs.	Schmidt (1900-1916)
	<i>Hapalosiphon</i> Nägeli		
	<i>H. fontinalis</i> Bornet	Muddy rice-field near Lem Dan epiphytic on <i>Monochoria vaginata</i> , and in a waterhole among other algae.	Schmidt (1900-1916)
Stigonematales Mastigocladaceae	<i>Brachytrichia</i> Zanard.		
	<i>B. quoyi</i> (Agardh) Bornet et Flahault	Lem Dan, on stones in the sea shore between tide-marks; Koh Kahdat, coral-reef in shallow water. Koh Chang, Golfe de Siam. Samae San, Chanthaburi.	Schmidt (1900-1916) Weber-van Bosse (1913) Umezaki and Lewmanomont (1991)
		Coral reefs. Floating or cast ashore.	Lewmanomont (1988) Lewmanomont and Ogawa (1995)
	<i>B. maculans</i> Gomont n. sp.	Lem Dan, on maritime rocks between tide-marks. Coral reefs.	Schmidt (1900-1916) Lewmanomont (1988)

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	<i>Mastigocoleus</i> Lagerh. <i>M. testarum</i> Lagerheim ex Bornet et Flahault	Khung Krabane, Chanthaburi : in dead mollusk shells, in living oyster shells ; Prasae, Rayong : in dead oyster shells; Ban Phe, Rayong : in dead mollusk shells; Tha Nun, Kao Lak, and Hua Krang, Phangnga; Si Racha, Chon Buri : in dead mollusk shells (<i>Tapes</i> sp.) Rawai Beach, Phuket : in dead mollusk shells and in dead coral blocks.	Umezaki and Lewmanomont (1991)
Stigonematales Rivulariaceae	<i>Calothrix</i> Agardh <i>C. crustaceae</i> Thuret	Lem Ngob, mangrove-swamp, on aerial roots of <i>Avicennia officinalis</i> between tide-marks. Koh Chang, Golfe de Siam.	Schmidt (1900-1916) Weber-van Bosse (1913)
	<i>C. scopulorum</i> (W. et M.) Agardh ex Bornet et Flahault	Lem Dan, on stones in the sea shore between tide-marks. Sri Racha, Chanthaburi : on rocks near high tide level, in company with <i>Lyngbya semiplena</i> and <i>L. lutea</i> ; Ban Phe, Rayong : on rocks or on concrete wall near high tide level.	Schmidt (1900-1916) Umezaki and Lewmanomont (1991)

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	<i>C. pilosa</i> Harvey ex Bornet et Flahault	Hua Krang, Phangnga : on rocks in the intertidal zone ; Khung Kraben, Chanthaburi : on aerial roots of mangrove.	Umezaki and Lewmanomont (1991)
	<i>Dichothrix</i> Zanard.		
	<i>D. penicillata</i> (Zanard.) ex Bornet et Flahault	Prasae, Rayong : on living oyster shells in the intertidal zone.	Umezaki and Lewmanomont (1991)
	<i>Kyrtuthrix</i> Erceg.		
	<i>K. maculans</i> (Gomont) Umezaki	Prasae, Rayong : on rocks along high tide level. Sri Racha, Chanthaburi : on rocks along high tide level; Kao Lak, Phangnga; Rawai Beach, Phuket. On rocks.	Umezaki and Lewmanomont (1991) Lewmanomont and Ogawa (1995)