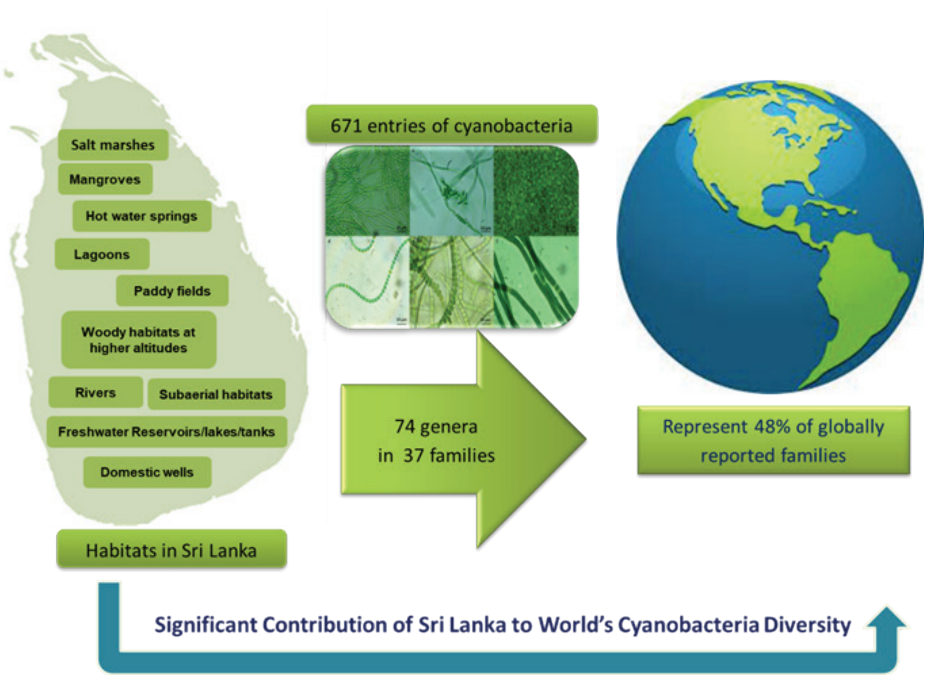
CHECKLIST

A Provisional Checklist of Cyanobacteria in Sri Lanka

T.K. Bowange, W.M.C.S. Weerasinghe, D.M.D. Yakandawala and R.R. Ratnayake*



Highlights

- The checklist consists of 671 entries of cyanobacteria from Sri Lanka
- It encompasses 74 genera in 37 families
- Sri Lankan cyanobacteria account for 48% of globally reported families
- This checklist solidly evidences significant contribution of Sri Lanka's cyanobacteria to global diversity

Ceylon Journal of Science 54 (1) 2025: 347-406
DOI: https://doi.org/10.4038/cjs.v54i1.8370

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T.K. Bowange[1], W.M.C.S. Weerasinghe[1], D.M.D. Yakandawala[2] and R.R. Ratnayake[1*]

[1]*National Institute of Fundamental Studies, Hantana Road, Kandy, Sri Lanka*
[2]*Department of Botany, Faculty of Science, University of Peradeniya, Peradeniya, Sri Lanka*

Received: 18.03.2024; Accepted: 23.01.2025

Abstract: Sri Lanka is a tropical island in the Indian Ocean with an impressive biodiversity. The contribution of microbes to this biodiversity is significant; yet many groups, such as cyanobacteria have not been adequately studied in Sri Lanka. The diverse ecosystems and habitats of Sri Lanka support a rich diversity and great abundance of cyanobacteria. Therefore, the unexplored diversity of cyanobacteria in Sri Lanka could surpass the number of species studied and recorded to date. In late 1800s and early 1900s, the researchers from the Western world had conducted several studies and published scientific records on algae, blue green algae and diatoms in Sri Lanka (then Ceylon); considering the island as one of the tropical regions with remarkable phytoplankton diversity. However, recently, researchers have increasingly focused on Sri Lankan cyanobacteria. As a result, several published records of Sri Lankan cyanobacteria are available after 1998. These scientific records published after 1900 are scattered in scientific journals, abstracts/proceedings and other written documents and not well sorted and documented into checklists or books. Therefore, this provisional checklist of cyanobacteria was presented by compiling all species of cyanobacteria recorded in the country after early 1900s. The checklist comprises 671 entries of cyanobacteria, encompassing 74 genera in 37 families. Some cyanobacteria were identified only up to the order level, resulting in 3 cyanobacteria orders being recorded in the checklist. Additionally, it provides information on the available GPS coordinates, distribution/habitats, identification and the ability of toxin production of different species. This checklist provides solid evidence that Sri Lanka is a major contributor to the world's cyanobacteria diversity, representing 48% of the cyanobacteria families reported worldwide to date. Therefore, this checklist will be useful in compiling the cyanobacteria biodiversity of Sri Lanka, highlighting its significant contribution to the world's biodiversity and facilitating the implementation of future conservation measures.

Keywords**:** Biodiversity; Conservation; Cyanobacteria; Richness; Toxin production

INTRODUCTION

Sri Lanka, a tropical continental island (7.8731° N, 80.7718° E) in the Indian Ocean, experiences diverse climatic variations and weather conditions year-round. The country mainly depends on the southwest and northeast monsoon rains, resulting in some parts of the island receiving rain throughout the year, while others receive rain only once a year.

These climatic vartiations together with the geographical features of the island have contributed to a diverse range of inland water sources including natural rivers, waterfalls, natural and man-made reservoirs, lakes, hot water springs, groundwater wells and etc. (Yakandawala 2012; Dananjaya & Wijeratne, 2017). As a result, every small part of the island has a unique biodiversity, standing alone with diverse environmental conditions.

Located in the tropical zone, Sri Lanka experiences a range of climatic conditions, from humid coastal areas to cooler temperate zones in the central highlands. This variation in climate results in distinct ecosystems, each supporting a wide array of endemic species (Gunatilleke et al., 2017). The interaction between these climatic and seasonal factors has given rise to a remarkable and diverse landscape, differentiating Sri Lanka from other regions in terms of both its flora and fauna (Erdelen, 1988).

In Sri Lanka, research has largely focused on higher plants, vertebrates, and selected groups, while microbes, despite their key role in biodiversity and ecosystem stability, remain underexplored (Adikaram & Yakandawala, 2020).

The cyanobacterial diversity in Sri Lanka is influenced by various environmental, climatic, and anthropogenic factors. Key determinants include variations in temperature, pH, and nutrient availability in aquatic habitats, as well as seasonal rainfall patterns throughout the year. Human activities such as agricultural runoff and environmental pollution also significantly affect cyanobacterial diversity in water bodies (Jayatissa et al., 1998). The habitat diversity in Sri Lanka provides a clue about the potential richness in the occurrence, distribution and diversity of cyanobacteria on this small island (Figure 1). Therefore, the unexplored diversity of cyanobacteria in Sri Lanka could be significantly greater compared to the number of species that have been studied and recorded to date.

Cyanobacteria, historically termed 'blue-green algae' in the western world, along with green algae and diatoms, have been well-documented in various habitats across Ceylon (West & West, 1902; Fritsch, 1907; Durairatnam, 1961). The algae, blue green algae and diatoms that were identified based on their morphology were descriptively recorded with scientific illustrations of their habits (Fritsch, 1907). Based on the re-examinations of the collections of freshwater algae samples made by Prof. F.E. Fritsch in

**Corresponding Author's Email: renuka.ra@nifs.ac.lk*
https://orcid.org/0000-0002-7667-1447

Figure 1: Various cyanobacteria inhabiting aquatic environments in Sri Lanka; a: Mangroves, b: Salt marshes, c: Villu, d: Lagoons, e: Hot water springs and f: Inland wetlands (Bowange et al., 2022)

1907 from inland waters of Ceylon, Crow, during his short visit to the country in 1903, developed a key that focused on the taxonomy of the genus *Microcystis*, highlighting the variations among members of the genus *Microcystis* in Ceylon (Crow, 1923). Holsinger (1955) studied and discussed the similarities and differences related to growth, distribution and the periodicity of phytoplankton in three lakes in Ceylon: Beira Lake, Nuwara Wewa Tank and Lake Gregory.

In 1964, Mendis recorded some cyanobacteria species from Colombo Lake (currently known as Beira Lake), and this was one of the few local publications available in mid 1900s. However, in recent years, local researchers have shown more interest in Sri Lankan cyanobacteria, leading to the availability of several published records of Sri Lankan cyanobacteria after 1998.

Although there have been numerous scientific records on cyanobacteria from Sri Lanka after 1900, they are not well organized and documented into checklists or books but are scattered in scientific journal articles, abstracts/proceedings of scientific conferences and other written documents.

Hence, the ‘Provisional Checklist of Cyanobacteria in Sri Lanka’ (Table 2) was complied to consolidate all the cyanobacteria species documented in the country since the early 1900s. This checklist was formulated by referencing the existing literature pertaining to Sri Lankan cyanobacteria published after the early 1900s. The checklist consists of 671 entries of cyanobacteria, which belong to 74 genera in 37 families, indicating rich cyanobacteria diversity in Sri Lanka (Figure 2). Among all recorded families, Oscillatoriaceae showed the highest richness of genera (Table 1 and Figure 3). There are two cyanobacteria families, and three cyanobacteria orders recorded under the species name in the checklist, as certain cyanobacteria could only be identified and reported up to the family or order level. Many of the species have been identified up to the genus level; therefore, the actual species richness recorded within each family in the checklist could be expected to increase through molecular identification at the species level.

According to the available literature, the same species had been recorded from different locations/habitats/ecosystems, providing evidence for the ubiquitous nature of cyanobacteria. For instance, several studies recorded the occurrence of *Microcystis* sp. from different environments including freshwater reservoirs, lakes, ponds, rock pools, paddy fields, and salt marshes/salt pans. This information implies the ubiquitous distribution and the abundance of *Microcystis* sp. in Sri Lankan environments.

During the compilation of the checklist, information on the name of the species, family, GPS coordinates (if available), location or habitat, other available information on their identification (molecular/morphological), the source of publication, the type of publication and the main focus of the study has been provided. Some cyanobacteria are well known for toxin production thus several studies had been carried out focusing on their toxin production. Documenting cyanobacteria that produce toxins is crucial for public health and environmental conservation, as it enables the early detection and management of harmful algal blooms, helping to safeguard both aquatic ecosystems and human communities from potential health risks. Therefore, the toxin production was also indicated in the table if the information was available for a given species.

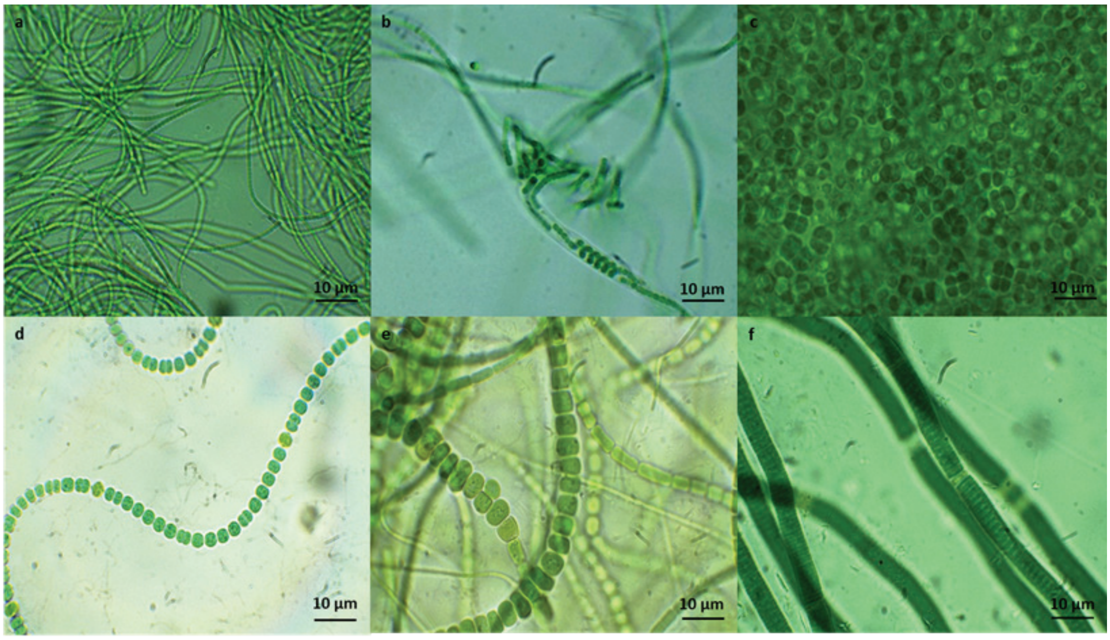

Figure 2: Microscopic images of different cyanobacteria isolated from Sri Lankan ecosystems; a: *Leptolyngbya* sp., b: *Nodosilinea* sp., c: *Gloeocapsa* sp. d: *Anabaena* sp., e: *Fischerella* sp. and f: *Oscillatoria* sp. (scale bar: 10 µm) (Bowange et al., 2022)

Therefore, this provisional checklist provides data which will be useful in the compilation of cyanobacteria biodiversity of Sri Lanka. However, this checklist will be updated regularly with new records in future.

Current status of the world's cyanobacteria diversity and the cyanobacteria richness in Sri Lanka: A comparative analysis

According to the CyanoDB classification, there are 77 cyanobacteria families including 431 genera reported all around the world as of 22/10/2023 (Hauer & Komárek, 2022, CyanoDB 2.0 - On-line database of cyanobacterial genera). The provisional checklist presented below summarizes the occurence of 37 cyanobacteria families including 74 genera from Sri Lankan ecosystems, based on the available literature published after early 1900s. With the available published records up to date, it is evident that Sri Lankan ecosystems have already inherited rich cyanobacteria diversity, providing habitats for the occurrence of 48% of the cyanobacteria families currently reported in the world (Figure 4). It further highlights the significant contribution of this tropical island towards global cyanobacteria diversity. Thus, Sri Lanka, the biodiversity hot spot, can further be recognized as one of the cyanobacteria rich regions to be conserved immediately.

However, it is noticeable that many studies in Sri Lanka have primarily focused on environments such as freshwater bodies and reservoirs. Due to the inadequate exploration of cyanobacteria diversity in certain other types of Sri Lankan ecosystems, a significant knowledge gap remains, potentially contributing to the limited representation of cyanobacteria diversity in terms of genera (Figure 5). Therefore, immediate and intensive research work is necessary as the unexplored and hidden cyanobacteria diversity in these ecosystems could potentially be much greater than the diversity already reported. On the other hand, achieving molecular identification of the strains at the species level is essential for a comprehensive understanding of cyanobacteria richness within each ecosystem. Therefore, future studies focused on cyanobacteria will be instrumental in updating this provisional checklist with the required information for the implementation of suitable conservation measures.

CONCLUSIONS

This provisional checklist of cyanobacteria was compiled to consolidate all the species of cyanobacteria recorded in Sri Lanka since the early 1900s. The checklist with 671 entries of cyanobacteria, encompassing 74 genera in 37 families, is an indication of rich cyanobacteria diversity in Sri Lanka. Based on the documented records, certain cyanobacteria could only be identified and reported up to the family or order level. Many of the species have been identified up to the genus level. Among all recorded families, family Oscillatoriaceae showed the highest richness of genera. Comparative analysis of cyanobacteria diversity in Sri Lanka and the world reveals that Sri Lankan ecosystems have already inherited rich cyanobacteria diversity, providing habitats for the occurrence of 48% of the cyanobacteria families currently reported in the world. It highlights the significant contribution of Sri Lanka, the biodiversity hot spot, towards global cyanobacteria diversity, emphasizing immediate conservation of its microbial diversity. Therefore, this provisional checklist would be a comprehensive record of cyanobacteria diversity in Sri Lanka which offers updated information to establish future conservational measures.

Table 1: Summary of the checklist: Recorded cyanobacteria families, genera and species richness in each family

Family	Genera recorded	Different species (identified up to the species level) recorded in each genus
1. Aerosakkonemataceae	*Cephalothrix*	*C. komarekiana*
2. **Aphanizomenonaceae**	*Anabaenopsis*	*A. arnoldii; A. circularis; A. elenkini; A. raciborskii*
	Aphanizomenon	*A.voltzi*
	Cylindrospermopsis	*C. allantoidispora; C. philippinensis; C. raciborskii*
	Nodularia	
	Raphidiopsis	*R. curvata*
3. Aphanothecaceae	*Aphanothece*	*A. minutissima*
	Gloeothece	
4. Chlorococcaceae	*Chlorococcus*	
5. Chlorogloeopsidaceae	*Chlorogloeopsis*	
6. Chroococcaceae	*Anacystis*	
	Chroococcus	*C. dispersus; C. limneticus*
	Gloeocapsa	*G. sanguinea*
7. Chroococcidiopsidaceae	*Chroococcidiopsis*	
8. Coleofasciculaceae	*Geitlerinema*	
9. Coelosphaeriaceae	*Snowella*	
10. Cyanothecaceae	*Cyanothece*	
11. Cyanothrichaceae	*Johannesbaptistia*	
12. Dermocarpaceae	*Dermocarpa*	
13. Dermocarpellaceae	*Dermocarpella*	
14. Entophysalidaceae	*Entophysalis*	
	Placoma	
15. **Glaucocystaceae**	*Glaucocystis*	
16. Gloeotrichiaceae	*Gloeotrichia*	*G. natans; G. rabenhorstii*
17. Gomphosphaeriaceae	*Gomphosphaeria*	*G. naegeliana; G. pusilla*
18. Hapalosiphonaceae	*Fischerella*	
	Hapalosiphon	*H. welwitschii*
	Mastigocladus	
	Westiellopsis	*W. prolifica*
19. Leptolyngbyaceae	*Alkalinema*	*A. pantanalense*
	Arthronema	
	Leptolyngbya	
	Planktolyngbya	*P. circumereta; P. limnetica*
20. Merismopediaceae	*Aphanocapsa*	*A. delicatissima; A. elachista; A. holsatica*
	Coelomoron	*C. microcystoides*
	Coelosphaerium	*C. dubium; C. kuetzingianum*
	Merismopedia	*M. elegans ;M. glauca; M. punctate; M. tenuissima*
	Synechocystis	
21. Microchaetaceae	*Coleodesmium*	
22. Microcoleaceae	*Arthrospira*	*A. maxima*
	Microcoleus	
	Planktothrix	
	Symploca	
	Trichodesmium	*T. erythraeum; T. thiebautii*
23. Microcystaceae	*Microcystis*	*M. aeruginosa; M. comperei; M. elongate; M. flos-aqua; M. holsatica; M. incerta; M. lamielliformes; M. marginata; M. protocystis; M. pseudofilamentosa; M. pulverea; M. viridis; M. wesenbergii*
	Pannus	*P. spumosus*
	Radiocystis	

24. Myxophyceae		
25. Nostocaceae	*Anabaena*	*A. aphanizomenoides; A. circinalis; A. flosaquae; A. oscillarioides; A. solitaria; A. sphaerica*
	Cylindrospermum	
	Nostoc	*N. punctiform*
26. Oscillatoriaceae	*Hypheothrix*	
	Lyngbya	*L. aerugineo-coerulea; L. circumcreta; L. limnetica; L. majuscula*
	Oscillaria	*O. tenuis*
	Oscillatoria	*O. chlorina; O. raciborskii; O. sancta*
	Phormidium	*P. animale*
	Plectonema	
27. Pleurocapsaceae	*Radaisia*	
28. Prochlorotrichaceae	*Nodosilinea*	
29. Pseudanabaenaceae	*Limnothrix*	
	Pseudanabaena	*P. galeata; P. limnetica*
30. Rivulariaceae	*Calothrix*	
	Microchaete	
	Rivularia	
	Dichothrix	
31. Schizotrichaceae	*Schizothrix*	
32. Scytonemataceae	*Scytonema*	*S. tolypotrichoides*
33. Spirulinaceae	*Spirulina*	*S. major; S. princeps; S. subsalsa*
34. Stigonemataceae	*Stigonema*	
35. Synechococcaceae	*Cyanodictyon*	*C. imperfectum*
	Dactylococcopsis	*D. smithii*
	Lemmermaniella	*L. pallida*
	Synechococcus	
36. Tolypothrichaceae	*Tolypothrix*	
37. Xenococcaceae	*Xenococcus*	

*Total number of cyanobacteria families recorded in Sri Lanka= 37 families
*Total number of cyanobacteria genera recorded= 74 genera

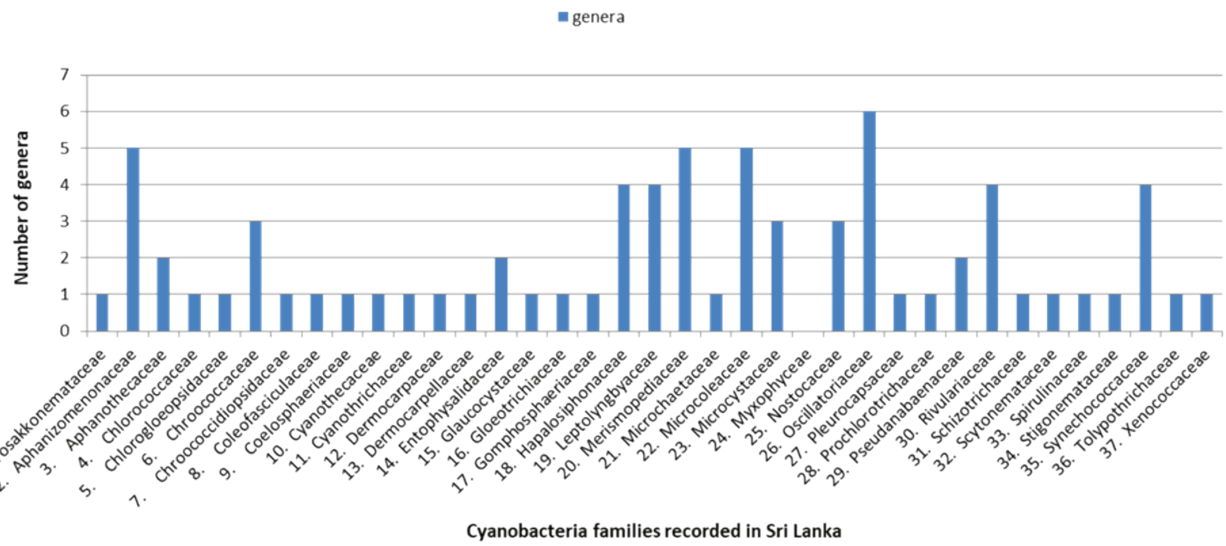

Figure 3: Richness of genera within each cyanobacteria family recorded in the checklist

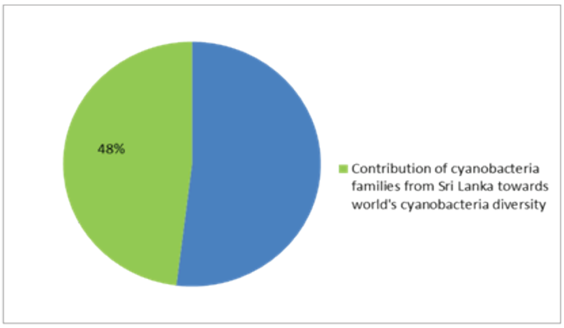

Figure 4: Contribution of Sri Lanka towards world's cyanobacteria diversity (in terms of cyanobacteria families)

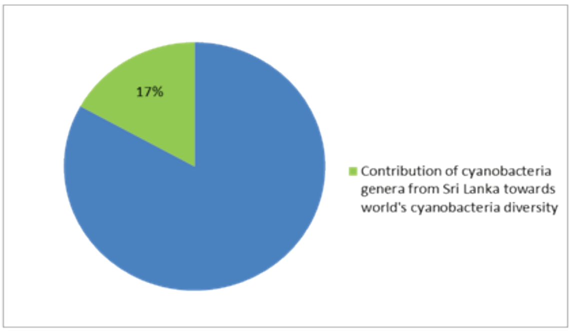

Figure 5: Contribution of Sri Lanka towards world's cyanobacteria diversity (in terms of cyanobacteria genera)

ACKNOWLEDGEMENT

The authors wish to acknowledge the support provided by Ms. Chandrika Thilakaratne, Librarian at the National Institute of Fundamental Studies, Kandy

DECLARATION OF CONFLICT OF INTEREST

The authors declare no conflict of interest.

FUNDING INFORMATION

No funding received for this work.

AUTHOR CONTRIBUTION

Literature survey, Information and data collection: T.K., W.M.C.S.; Data analysis and Writing- Original draft: T.K.; Article preparation: W.M.C.S.; Conceptualization, Supervision, and Writing- Review and Editing: D.M.D., R.R.; Correspondence: R.R.

REFERENCES

Adikaram, N.K.B., & Yakandawala, D.M.D. (2020). A checklist of plant pathogenic fungi and Oomycota in Sri Lanka. *Ceylon Journal of Science*, **49**(1), 93-123. https://doi.org/10.4038/cjs.v49i1.7709

Amarawansa, R.P.U.I., Balasooriya, B.L.W.K., Dandeniya, W.S., Suganthan, B., & Dasanyaka, T. (2018). Identification of cyanobacteria inhabiting paddy fields in intermediate zone and dry zone of Sri Lanka. *Tropical Agricultural Research*, **29**(4), 320-329. https://doi.org/10.4038/tar.v29i4.8259

Ariyawansa, J.K., Mawjood, M.I.M., & Silva, E.I.L. (2012). Algal bloom and lake water quality: a case study of toxin producing cyanobacteria, (Cylindrospermopsis racibroskii) in Nuwarawewa, Anuradhapura. Urban Lake Monitoring and Management: Proceedings of the International Symposium, Faculty of Agriculture, University of Peradeniya, Sri Lanka, Pp.15-24

Balasooriya, B.L.W.K., Suganthan, B., Vivehananthan, K., Gunawardana, M.M., & Tharindi, P.W.M. (2017). Morphological and molecular identification of cyanobacteria isolated from selected paddy fields at RRDI, Batalagoda. Proceedings of Wayamba University Research Congress 2017

Bowange, R.W.T.M.R.T.K., Jayasinghe, M.M.P.M., Yakandawala, D.M.D., Kumara, K.L.W., Abeynayake, S.W., & Ratnayake, R.R. (2022). Morphological characterization of cyanobacteria in some selected extreme ecosystems of Sri Lanka. *Ceylon Journal of Science*, **51**(5), 577–588. https://doi.org/10.4038/cjs.v51i5.8084

Bowange, T.K., Hossain, M.F., Wijesekera, K.A., Kumara, W., & Ratnayake, R.R. (2023). Investigation of the value-added potential of some selected freshwater cyanobacteria. *Kuwait Journal of Science*, **50**(1A), 1-21. https://doi.org/10.48129/kjs.15295

Crow, W.B. (1923). The taxonomy and variation of the genus *Microcystis* in Ceylon. *The New Phytologist*, **22**(2), 59-68. https://www.jstor.org/stable/2427652

Dananjaya, K.A.J., & Wijeratne, M.A. (2017). Climate change impacts on biodiversity and ecosystems in Sri Lanka: a review. *Nature Conservation Research*, **2**(3), 2-22. http://dx.doi.org/10.24189/ncr.2017.042

Durairatnam, M., Fisheries Research Station, Department of Fisheries, Ceylon. (1961). Contribution to the study of the marine algae of Ceylon. Retrieved December 19, 2023, from http://hdl.handle.net/1834/32109

Erdelen, W. (1988). Forest ecosystems and nature conservation in Sri Lanka. *Biological Conservation*, **43**(2), 115-135.

Fritsch, F.E. (1907). A general considerations of the subaërial and fresh-water algal flora of Ceylon. A contribution to the study of tropical algal ecology. Part I.—Subaërial algae and algae of the inland fresh-waters. Proceedings of the Royal Society of London, Series B, Containing Papers of a Biological Character, **79**(531), Pp.197-254. https://doi.org/10.1098/rspb.1907.0016

Ganegoda, S.S., Chinthaka, S.D.M., & Manage, P.M. (2019a). Cyanobacteria and 2-Methylisoborneol: the influence of Nitrogen and Phosphorous. 4th International Research Symposium on Pure and Applied Sciences, Faculty of Science, University of Kelaniya, Sri Lanka, Pp.24. http://repository.kln.ac.lk/handle/123456789/20535

Ganegoda, S.S., Wijesekara, W.M., Chinthaka, S.D., Wanniarachchi, D.D., & Manage, P.M. (2019b). In-vitro Study on Geosmin and 2-Methylisoborneol Producing Four Species of Native Cyanobacteria. Proceeding of the International Research Conference, Uva Wellassa

University, Badulla, Sri Lanka, Pp.295

Ganegoda, S., Chinthaka, S.D.M., & Manage, P. (2019c). Geosmin contamination status of raw and treated waters in Sri Lanka. *Journal of the National Science Foundation of Sri Lanka*, **47**(2), 245-259. https://doi.org/10.4038/jnsfsr.v47i2.9167

Gunatilleke, N., Pethiyagoda, R., & Gunatilleke, S. (2017). Biodiversity of Sri Lanka. *Journal of the National Science Foundation of Sri Lanka*, 36

Gunawardane, M.H.M.A.S.V., Gamage, S.M.K., Wijesooriya, M.M., Randima, G.W.A.P., Masakorala, K., Atapattu, K.S.S., & Sanjaya, K. (2020). Trophic Status and Spatial Variation of Cyanobacterial Diversity in Lunugamwehera Reservoir, Sri Lanka. Proceedings of the International Research Conference of Uva Wellassa University, Pp.107

Gunawardana, M.H.M.A.S.V., Wijesooriya, M.M., Randima, G.W.A.P., Atapaththu, K.S.S., Sanjaya, K., Masakorala, K., & Gamage, S.M.K.W. (2022). Co-occurrence of microcystin and cylindrospermopsin in hypereutrophic Mahakanadarawa and Nachchaduwa reservoirs. *Journal of Science of the University of Kelaniya*, **15**(1), 67-97. https://doi.org/10.4038/josuk.v15i1.8052

Harris, J.M., & Vinobaba, P. (2012). Impact of Water Quality on Species Composition and Seasonal Fluctuation of Planktons of Batticaloa lagoon, Sri Lanka. *Journal of Ecosystem & Ecography*, **2,** 117. http://dx.doi.org/10.4172/2157-7625.1000117

Harris, J.M., Vinobaba, P., Kularatne, R.K.A., & Kankanamge, C.E. (2016). Spatial and temporal distribution of cyanobacteria in Batticaloa Lagoon. *Journal of Environmental Sciences*, **47,** 211-218. https://doi.org/10.1016/j.jes.2016.01.020

Hauer, T., & Komárek, J. (2022). CyanoDB 2.0 - On-line database of cyanobacterial genera, World-wide electronic publication, University of South Bohemia & Institute of Botany AS CR. Retrieved December 21, 2023, from: http://www.cyanodb.cz

Hettiarachchi, I.U., Sethunga, S., & Manage, P.M. (2013). Contamination status of algae toxins microcystins in some selected water bodies in Sri Lanka. Proceedings of International Forestry and Environment Symposium, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Nugegoda, Sri Lanka. https://doi.org/10.31357/fesympo.v18i0.1901

Hettiarachchi, I.U., & Manage, P.M. (2014). Cyanobacterial Cell Density & Intracellular MC-LR Levels in Drinking/ Irrigation Reservoirs in Anuradhapura, Sri Lanka. The 1st Environment and Natural Resources International Conference, Pp.306-310

Hirimburegama, W. (1998). Cyanobacteria in the Beira Lake polluted with urban waste. Symposium on cyanobacteria toxins in water, Institute of Fundamental Studies, Kandy, Sri Lanka

Holsinger, E.C.T. (1955). The distribution and periodicity of the phytoplankton of three Ceylon lakes. *Journal of Aquatic Ecosystem Stress and Recovery*, **7**(1), 25-35. https://doi.org/10.1007/BF00189792

Hossain, M.F., Ratnayake, R.R., Meerajini, K., & Wasantha Kumara, K.L. (2016). Antioxidant properties in some selected cyanobacteria isolated from fresh water bodies of Sri Lanka. *Food Science & Nutrition*, **4**(5), 753-758. 10.1002/fsn3.340

Hossain, F., Ratnayake, R.R., Kulasooriya, S.A., & Kumara, K.W. (2017). Culturable cyanobacteria from some selected water bodies located in the major climatic zones of Sri Lanka. *Ceylon Journal of Science*, **46**(1), 47-54. https://doi.org/10.4038/cjs.v46i1.7417

Hossain, M.F., Bowange, R.W.T.M.R.T.K., Kumara, K.L.W., Magana-Arachchi, D.N., & Ratnayake, R.R. (2020a). First record of cyanobacteria species: *Cephalothrix komarekiana*, from tropical Asia. *Environmental Engineering Research*, **26**(2), 200040. https://doi.org/10.4491/eer.2020.040

Hossain, M.F., Ratnayake, R.R., Mahbub, S., Kumara, K.W., & Magana-Arachchi, D.N. (2020b). Identification and culturing of cyanobacteria isolated from freshwater bodies of Sri Lanka for biodiesel production. *Saudi Journal of Biological Sciences*, **27**(6), 1514-1520. https://doi.org/10.1016/j.sjbs.2020.03.024

Idroos, S.F., & Manage, P.M. (2014). Seasonal occurrence of Microcystin-LR with respect to physico-chemical aspects of Beira lake water. *International Journal of Multidisciplinary Studies*, **1**(2), 27-37. https://doi.org/10.31357/ijms.v1i2.2226

Imanthi, K.P.A., Idroos, F.S., & Manage, P.M. (2019). Development of a third generation biofuel source using cyanobacteria and landfill leachate. Proceedings of the 6th International Conference on Multidisciplinary Approaches (iCMA)

Jayasiri, H.B. (2023). Preliminary study on surface phytoplankton assemblages and physicochemical parameters, off the west and south-west coasts of Sri Lanka. *Journal of the National Science Foundation of Sri Lanka*, **51**(2), 413-424. http://dx.doi.org/10.4038/jnsfsr.v51i2.11097

Jayatissa, L.P., Lawton, L.A., & Cornish, B.J.P.A. (1998). Toxic cyanobacteria (blue-green algae) in fresh waters of Sri Lanka. In: Reguera, B., Blanco, J., Fernandez, M.L., Wyatt, T. (Eds.) *Harmful Algae*. Intergovernmental Oceanographic Commission of UNESCO, Pp. 32-34

Jayatissa, L.P., Silva, E.I.L., McElhiney, J., & Lawton, L.A. (2006). Occurrence of toxigenic cyanobacterial blooms in freshwaters of Sri Lanka. *Systematic and Applied Microbiology*, **29**(2), 156-164. https://doi.org/10.1016/j.syapm.2005.07.007

Komárková, J. (1998). The tropical planktonic genus *Cylindrospermopsis* (Cyanophytes, cyanobacteria). In: Azevedo, M.T.P., Santos, D.P., Pinto, L.S.C., Menezes, M., Fujii, M.T., Yokoya, N.S., Senna, P.A.C., & Guimarães, S.M.P.B. (Eds.) *Anais do IV Congresso Latino-Americano de Ficologia.* Sociedade Ficológica da America Latina e Caribe, São Paulo, Pp. 327-340

Kuganathan, S., Krishnamoorthy, S., Sivanantham, U., Krishnapillai, N., Harichandra, K., & Sathyaruban, S. (2023). First record of Trichodesmium Erythraeum Ehrenberg ex Gomont (Cyanobacteria) in the Coastal Waters of Kankesanthurai, Northern Sri Lanka. *Thalassas*, **39,** 495–507. https://doi.org/10.1007/s41208-023-00548-3

Kulasooriya, S.A. (2017). Toxin producing freshwater cyanobacteria of Sri Lanka. *Ceylon Journal of Science*, **46**(1), 3-16. http://doi.org/10.4038/cjs.v46i1.7413

Lakmali, W.M., Athukorala, A.S.N., & Jayasundera, K.B. (2022). Investigation of Pb (II) bioremediation potential of algae and cyanobacteria strains isolated from polluted water. *Water Science and Engineering*, **15**(3), 237-246. https://doi.org/10.1016/j.wse.2022.04.003

Liyanage, H.M., Magana-Arachchi, D., & Chandrasekaran, N.V. (2016a). Genetic divergence among toxic and non-toxic cyanobacteria of the dry zone of Sri Lanka. *SpringerPlus*, **5**(1), 1-13. https://doi.org/10.1186/s40064-016-3680-5

Liyanage, H.M., Magana-Arachchi, D.N., Abeysekera, T., & Guneratne, L. (2016b). Toxicology of freshwater cyanobacteria. *Journal of Environmental Science and Health*: *Part C*, **34**(3), 137-168. 10.1080/10590501.2016.1193923

Madhushankha, L., Dhammika, M.A., Charitha, P., Tilak, A., & Lishantha, G. (2016). Cyanobacteria and cyanotoxins in well waters of the Girandurukotte, CKDu endemic area in Sri Lanka; Do they drink safe water?. *Journal of Ecotechnology Research*, **18**(1), 17-21. https://doi.org/10.11190/jer.18.17

Madusanka, D.A.T., & Manage, P.M. (2018). Optimising a solvent system for lipid extraction from cyanobacterium *Microcystis* spp future perspective for biodiesel production. *Journal of National Science Foundation, Sri Lanka*, **46**(2), 217-225. http://dx.doi.org/10.4038/jnsfsr.v46i2.8422

Madushani, K.G.P., Athukorala, A.D.S.N.P., & Gama-Arachchige, N.S. (2021). Correlation of cyanobacteria and green microalgae richness with physicochemical parameters in geothermal springs. *Russian Journal of Ecology*, **52**(6), 543-555. https://doi.org/10.1134/S1067413622010076

Magana-Arachchi, D.N., Wanigatunge, R.P., & Jeyanandarajah, P. (2008). Setting up a polymerase chain reaction assay for the detection of toxic cyanobacteria. *Journal of National Science Foundation*, **36**(3), 229-233

Magana-Arachchi, D., Wanigatunge, R., & Liyanage, M. (2011). Molecular characterization of cyanobacterial diversity in Lake Gregory, Sri Lanka. *Chinese Journal of Oceanology and Limnology*, **29**(4), 898-904. https://doi.org/10.1007/s00343-011-0519-3

Magana-Arachchi, D.N., & Wanigatunge, R.P. (2013). First report of genus *Chroococcidiopsis* (cyanobacteria) from Sri Lanka: a potential threat to human health. *Journal of the National Science Foundation of Sri Lanka*, **41**(1), 65-68. http://dx.doi.org/10.4038/jnsfsr.v41i1.5333

Malika, M.S., Bowange T., Sumanasinghe A., & Ratnayake, R.R. (2018). Potential of cyanobacteria isolated from different fresh water bodies of Sri Lanka as a food supplement. 10th International symposium on plant-soil interactions at low pH (10th PSILPH 2018), Universiti Puthra Malaysia

Malika, M.S., Ratnayake, R.R., Bowange, R.W.T.M.R.T.K., & Sumanasinghe, A. (2019). Estimated daily intake and health risk of heavy metals by consumption of nutrient rich cyanobacteria strains isolated from different fresh water bodies of Sri Lanka. International Conference on Dry Zone Agriculture, University of Jaffna. http://repo.lib.jfn.ac.lk/ujrr/handle/123456789/2902

Manage, P.M., & Piyathilaka, P. (2012). Global occurrence of toxigenic cyanobacteria, their environmental and health effects. *The Potential Health and Environmental Impacts of Exposure to Hazardous Natural and Man-made Chemicals and their Proper Management*, 17-21

Manage, P.M., & Idroos, S. (2012). Contamination status of microcystin-lr and their destruction by microbes. *The Potential Health and Environmental Impacts of Exposure to Hazardous Natural and Man-made Chemicals and their Proper Management*, 69-72

McDonough, L.K., Meredith, K.T., Nikagolla, C., Middleton, R.J., Tan, J.K., Ranasinghe, A.V., Sierro, F., & Banati, R.B. (2020). The water chemistry and microbiome of household wells in Medawachchiya, Sri Lanka, an area with high prevalence of chronic kidney disease of unknown origin (CKDu). *Scientific Reports*, **10**(1), 1-12. https://doi.org/10.1038/s41598-020-75336-7

Medhavi, P.I.H.R., Samarasinghe, D.G.S.N., & Herath, H. (2018). Isolation and identification of thermophilic bacteria and cyanobacteria from Maha Oya hot springs in Sri Lanka. Research Symposium on Pure and Applied Sciences, Faculty of Science, University of Kelaniya, Sri Lanka, Pp.13. http://repository.kln.ac.lk/handle/123456789/19096

Mendis, A.S. (1964). A contribution to the limnology of Colombo Lake. *Bulletin of the Fisheries Research Station, Ceylon*, **17**(2), 213-220. http://hdl.handle.net/1834/32493

Nagendran, T., Samarasinghe, N., Madamarandawala, P., Ekanayake, A., & Arachchi, D.M. (2019). Molecular identification of potential microcystin producing cyanobacteria from northern Sri Lanka. Abstracts of the 8th Annual Science Research Sessions (ASRS), Faculty of Applied Science, South Eastern University of Sri Lanka. http://ir.lib.seu.ac.lk/handle/123456789/3916

Nahallage, C., & Piyasiri, S. (1998). Trophic status of Beira Lake. *Vidyodaya Journal of Science*, **7**, 33-42. http://dr.lib.sjp.ac.lk/handle/123456789/865

Peduruarachchi, H.T., Liyanage, G.Y., & Manage, P.M. (2022). Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central province. Proceedings of 26th International Forestry and Environment Symposium, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Nugegoda, Sri Lanka. https://doi.org/10.31357/fesympo.v26.5768

Perera, M.B.U., Yatigammana, S.K., Kulasooriya, S.A., & Athukorala, N.P. (2011). Limnology and cyanobacterial species composition of the Padawiya tank during the Dry Season. Proceedings of the Peradeniya University Research Sessions, Sri Lanka. http://dlib.pdn.ac.lk/handle/1/6503

Perera, M.B.U., Yatigammana, S.K., Kulasooriya, S.A., & Athukorala, N.P. (2012). Seasonal variation of water quality and plankton of Lake Gregory, Sri Lanka. Urban lake monitoring and management. Proceedings of an international symposium, Peradeniya, Sri Lanka, Pp.75-86

Piyathilaka, M.A.P.C., Manage, P.M., Tennekoon, K.H., & De Silva, B.G.D.N.K. (2015). Molecular screening of some selected water bodies in Sri Lanka for Microcystin producing genotypes. 3rd International Conference of Frontiers to Molecular Life Sciences. http://dr.lib.sjp.ac.lk/handle/123456789/4176

Piyathilaka, M.A.P.C. (2016). Molecular Identification of Toxigenic Cyanobacteria and Effects of Cyanotoxins on Human Renal Cell Lines. University of Sri Jayewardenepura, Gangodawila, Nugegoda

Ramziya, A., Hossain, M.F., Kumara, K., Ratnayake, R., & Gnanavelrajah, N. (2017). A Study on potential use of cyanobacteria isolated from freshwater bodies of Sri Lanka in agriculture. International Conference on Dry Zone Agriculture. http://repo.lib.jfn.ac.lk/ujrr/handle/123456789/1134

Reed, R.H., Richardson, D.L., Warr, S.R., & Stewart, W.D. (1984). Carbohydrate accumulation and osmotic stress in cyanobacteria. *Microbiology*, **130**(1), 1-4. https://doi.org/10.1099/00221287-130-1-1

Rott, E. (1983). A contribution to the phytoplankton species composition of Parakrama Samudra, an ancient man-made lake in Sri Lanka. In: Schiemer, F. (Eds) *Limnology of Parakrama Samudra — Sri Lanka. Developments in Hydrobiology*, Springer, Dordrecht. https://doi.org/10.1007/978-94-009-7281-0_20

Rupasinghe, R., Amarasena, S., Wickramarathna, S., Biggs, P.J., Chandrajith, R., & Wickramasinghe, S. (2022). Microbial diversity and ecology of geothermal springs in the high-grade metamorphic terrain of Sri Lanka. *Environmental Advances*, **7**, 100166. https://doi.org/10.1016/j.envadv.2022.100166

Senanayake, P.A.A.P.K., & Yatigammana, S.K. (2017). Quantitative observations of cyanobacteria and dinoflagellata in reservoirs of Sri Lanka. *Ceylon Journal of Science*, **46**(4), 55-68. http://doi.org/10.4038/cjs.v46i4.7468

Senanayake, P.A.A.P.K., Kumburegama, S., Wijesundara, C.S., & Yatigammana, S.K. (2021). What drives the dominance and distribution of cyanobacteria and dinoflagellata in reservoirs of Sri Lanka? *Sri Lanka Journal of Aquatic Sciences*, **26**(1), 5-24. http://doi.org/10.4038/sljas.v26i1.7585

Sethunge, S., & Manage, P.M. (2010). Nuisance algae in water supply projects in Sri Lanka. International Conference on Sustainable Built Environment. http://dl.lib.mrt.ac.lk/handle/123/9147

Shehani, K. L. K., & Yatigammana, S. K. (2019). Variation of Phytoplankton in Relation to Some Environmental Factors in Kandy Lake, Sri Lanka

Silva, E.I.L., & Wijeyaratne, M.J.S. (1999). The occurrence of cyanobacteria in the reservoirs of the Mahaweli River basin in Sri Lanka. *Sri Lanka Journal of Aquatic Sciences*, **4**, 51-60

Silva, E.I.L., & Samaradiwakara, S.R.M.S. (2005). Limnology of Kandy Lake before the outbreak of a cyanobacteria bloom in May 1999. III. Phytoplankton. *Sri Lanka Journal of Aquatic Sciences*, **10**, 55-71. https://doi.org/10.4038/sljas.v10i0.7460

Silva, E.I.L. (2007). Ecology of phytoplankton in tropical waters: Introduction to the topic and ecosystem changes from Sri Lanka. *Asian Journal of Water, Environment and Pollution*, **4**(1), 25-35

Silva, E.I.L., Rott, E., Thumpela, I., Athukorala, N., & Silva, E.N.S. (2013). Species composition and relative dominance of reservoir phytoplankton in Sri Lanka: Indicators of environmental quality. *International Journal of Biological Sciences and Engineering*, **4**(4), 92-102. https://www.researchgate.net/publication/271843527

Tharindi, P.W.M., Balasooriya, W.K., Suganthan, B., & Vivehanthan, K. (2016). Isolation and identification of culturable cyanobacteria from paddy soil of the intermediate zone of Sri Lanka. Proceedings of 15th Agricultural Research Symposium, Pp.159-163

Thurairajah A, Bowange R.W.T.M.R.T.K, Gnanavelrajah N., & Ratnayake R.R. (2018). Isolation of fresh water cyanobacteria and screening their potential in nitrate reduction. Proceedings of the Wayamba University International Conference, Sri Lanka, University of Wayamba, Pp.49

Wanigatunge, R.P., Magana-Arachchi, D.N., Chandrasekharan, N.V., & Kulasooriya, S.A. (2014). Genetic diversity and molecular phylogeny of cyanobacteria from Sri Lanka based on 16S rRNA gene. *Environmental Engineering Research*, **19**(4), 317-329

West, W., & West, G. S. (1902). III. A Contribution to the Freshwater Algæ of Ceylon. *Transactions of the Linnean Society of London. 2nd Series: Botany*, **6**(3), 123-215

Wijesekara, W.A.M.A., & Manage, P.M. (2015). Antibacterial activity of isolated cyanobacteria species Oscillatoria sp. Proceedings of International Forestry and Environment Symposium, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka, Pp.59

Wijesekara, W.A.M.A., & Manage, P.M. (2018). Extraction of extracellular compounds from freshwater cyanobacterium *Oscillatoria* sp. and screening their antimicrobial activity against human pathogenic microbes. Proceedings of 23rd International Forestry and Environment Symposium, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Nugegoda, Sri Lanka

Yakandawala, D. (2012). Present status of fresh water aquatic flora in Sri Lanka. *The national red list 2012 of Sri Lanka*, 186-196

Yatigammana, S.K., & Perera, M.B.U. (2017). Distribution of *Cylindrospermopsis raciborskii* (cyanobacteria) in Sri Lanka. *Ceylon Journal of Science*, **46**(3), 65-80. https://doi.org/10.4038/cjs.v46i3.7444

Zakeel, M.C.M., Weerasinghe, P.A., Kumari, B.A.D.G., & Wickremasinghe, H.A.M. (2015). Spatial and temporal dynamics and parameters of growth of toxic cyanobacteria in Nuwara wewa and Nachchaduwa wewa in Sri Lanka. *American Journal of Environmental Protection*, **4**(1), 23-28. 10.11648/j.ajep.20150401.13

Table 2: Provisional checklist of cyanobacteria in Sri Lanka with the name of the species, Family, GPS coordinates if any, location or the habitat, other available information on their toxin production, type of identification (molecular or morphological), source of publication, type of publication and main focus of the study

Species name/identification reported in the publication	Family	GPS coordinates	Location/habitat	Reference/s	Type of publication and main focus of the study
1. *Alkalinema pantanalense (CW4)	Leptolyngbyaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
2. **Anabaena aphanizomenoides	Nostocaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983; Silva & Wijeyaratne, 1999	Research articles/ Phytoplankton species composition; Occurrence in the reservoirs of Mahaweli river basin
3. **Anabaena circinalis	Nostocaceae	6^o 57′ 35.05″ - 6^o 57′ 08.04″ N and 80^o 46′ 29.18″ – 80^o 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
4. **Anabaena flosaquae	Nostocaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
5. **Anabaena oscillarioides	Nostocaceae	7^o58′N and 81^o29′E to 7^o20′N and 81^o52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
6. **Anabaena solitaria	Nostocaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***7. **Anabaena* sp.**	Nostocaceae	8°58'58.669"N and 79°59'58.411"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***8. #**Anabaena* sp.**	Nostocaceae		Selected reservoirs in Anuradhapura district	Peduruarachchi et al., 2022	Abstract/ Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central Province
***9. #**Anabaena* sp.**	Nostocaceae		Nachchaduwa reservoir	Hettiarachchi & Manage, 2014	Research Article/ Cell densities and intracellular cyanotoxin levels with relation to P and N nutrients in drinking/irrigation reservoirs
***10. **Anabaena* sp.**	Nostocaceae		Ambewela and Kande-Ela reservoirs	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
***11. #**Anabaena* sp.**	Nostocaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***12. *Anabaena* sp.**	Nostocaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***13. **Anabaena* sp.**	Nostocaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***14. **Anabaena* sp.**	Nostocaceae		Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability

***15. **Anabaena* sp.**	Nostocaceae		Bandagiriya, Chandrikawewa, Kandy Lake, Kotmale, Labugama, Lunugamwehera, Randenigala, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, Victoria and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***16. Anabaena* sp.**	Nostocaceae		Parakrama samudraya and Neelapola tank	Sethunge & Manage, 2010	Conference paper/ Identification and physico-chemical parameters
***17. **Anabaena* sp.**	Nostocaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***18. #Anabaena* sp.**	Nostocaceae		Girithale and Jayanthi wewa	Hettiarachchi et al., 2013	Abstract/ Identification and quantification of nuisance algae/ cyanobacteria and potential contamination of MC-LR
***19. **Anabaena* sp.**	Nostocaceae		Jayanthi wewa, Sagama tank, Kondawatuwana tank, Unnichchai tank, Nachchadoowa wewa, Kala wewa, Nallachchiya wewa, Thuruwila wewa, Tissa wewa, Nuwara wewa, Parakrama Samudraya	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***20. **Anabaena* sp.**	Nostocaceae		Freshwater reservoirs in Dry and Wet zones	Ramziya et al., 2017; Hossain et al., 2017; Hossain et al., 2020a	Abstract/ Potential use in agriculture; Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability.

***21. **Anabaena* sp.**	Nostocaceae		Water bodies in Anuradhapura, Polonnaruwa, Ampara, Batticaloa, Trincomalee and Hambanthota	Ganegoda et al., 2019a	Abstract / Cyanobacteria abundance, 2-MIB levels coupled with N and P levels in raw, drinking water bodies
***22. #**Anabaena* sp.**	Nostocaceae	7°28'10"N, 81°0'54"	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***23. **Anabaena* sp.**	Nostocaceae		Rock pools in the northern half of Ceylon	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***24. **Anabaena* sp.**	Nostocaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***25. **Anabaena* sp.**	Nostocaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***26. **Anabaena* sp.**	Nostocaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
***27. **Anabaena* sp.**	Nostocaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***28. **Anabaena* sp.**	Nostocaceae	$7^o58'$N and $81^o29'$E to $7^o20'$N and $81^o52'$E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***29. **Anabaena* sp.**	Nostocaceae		Reservoirs in intermediate and dry zones	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
30. *Anabaena* sp. *(CW106)	Nostocaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
31. *Anabaena* sp. *(CW6)	Nostocaceae		Freshwater bodies	Hossain et al., 2020a	do
32. *Anabaena sphaerica	Nostocaceae		Well water and reservoirs in Dry zone	Liyanage et al., 2016a	Research article/ Genetic divergence, phylogenetic relationships and identification of toxin producers
33. **Anabaenopsis arnoldii	Aphanizomenonaceae	$7^o58'$N and $81^o29'$E to $7^o20'$N and $81^o52'$E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
34. **Anabaenopsis circularis	Aphanizomenonaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
35. **Anabaenopsis elenkini	Aphanizomenonaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance

36. **Anabaenopsis elenkinii	Aphanizomenonaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
37. **Anabaenopsis raciborskii	Aphanizomenonaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	do
***38. **Anabaenopsis* sp.**	Aphanizomenonaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***39. #**Anabaenopsis* sp.**	Aphanizomenonaceae	7°28'10"N, 81°0'54"	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***40. **Anabaenopsis* sp.**	Aphanizomenonaceae		Kandy Lake, Minneriya,Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***41. **Anabaenopsis* sp.**	Aphanizomenonaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***42. **Anabaenopsis* sp1.**	Aphanizomenonaceae		Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***43. **Anabaenopsis* sp2.**	Aphanizomenonaceae	7^o58′N and 81^o29′E to 7^o20′N and 81^o52′E	Batticaloa lagoon	Harris et al., 2016	do
***44. **Anacystis* sp.**	Chroococcaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
45. **Anacystis* sp. *(KM2)	Chroococcaceae	7^o18′N and 80^o 38′E	Kandy Lake	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb(II) bioremediation potential
***46. ** Aphanizomenon* sp.**	Aphanizomenonaceae		Kandy Lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
***47. **Aphanizomenon* sp.**	Aphanizomenonaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***48. **Aphanizomenon* sp.**	Aphanizomenonaceae	6^o 57′ 35.05″ - 6^o 57′ 08.04″ N and 80^o 46′ 29.18″ – 80^o 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
49. **Aphanizomenon voltzi	Aphanizomenonaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
50. **Aphanocapsa delicatissima	Merismopediaceae		Reservoirs	Silva et al., 2013	do
51. **Aphanocapsa elachista	Merismopediaceae		Reservoirs	Silva et al., 2013	do
52. **Aphanocapsa holsatica	Merismopediaceae		Reservoirs	Silva et al., 2013	do

53.	*****Aphanocapsa* sp.**	Merismopediaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
54.	*****Aphanocapsa* sp.**	Merismopediaceae		Reservoirs in Dry zone	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
55.	*****Aphanocapsa* sp.**	Merismopediaceae		Kandy Lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
56.	*****Aphanocapsa* sp.**	Merismopediaceae		Wooded slopes of Pedrotallagalla and in the jungle on the Hakgalla rock, tree trunks at higher altitudes, subaerial habitats	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
57.	****Aphanocapsa* sp.**	Merismopediaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Balasooriya et al., 2017	Conference paper/ Morphological and molecular identification
58.	*****Aphanocapsa* sp.**	Merismopediaceae		Kandy Lake, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
59.	***#**Aphanocapsa* sp.**	Merismopediaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
60.	*****Aphanocapsa* sp.**	Merismopediaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
61.	*****Aphanocapsa* sp.**	Merismopediaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
62.	*****Aphanocapsa* sp. *(KM3127)***	Merismopediaceae	7°18′N and 80° 38′E	Kandy Lake and its mid-canal, in Kandy City	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb(II) bioremediation potential
63.	*****Aphanothece minutissima***	Aphanothecaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
64.	*****Aphanothece* sp.**	Aphanothecaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
65.	*****Aphanothece* sp.**	Aphanothecaceae		Reservoirs in Dry zone	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs

***66. **Aphanothece* sp.**	Aphanothecaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***67. *Aphanothece* sp.**	Aphanothecaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***68. #**Aphanothece* sp.**	Aphanothecaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***69. **Aphanothece* sp.**	Aphanothecaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***70. **Aphanothece* sp.**	Aphanothecaceae		Subaerial habitats	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***71. **Aphanothece* sp.**	Aphanothecaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***72. **Aphanothece* sp.**	Aphanothecaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***73. **Aphanothece* sp.**	Aphanothecaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***74. *Arthronema* sp.**	Leptolyngbyaceae		Kanniya and Nelumwewa hot water springs	Rupasinghe et al., 2022	Research article/ Microbial diversity and ecology of geothermal springs in the high-grade metamorphic terrain
75. **Arthrospira maxima	Microcoleaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***76. **Arthrospira* sp.**	Microcoleaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***77. #**Arthrospira* sp.**	Microcoleaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***78. **Arthrospira* sp.**	Microcoleaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***79. **Calothrix* sp.**	Rivulariaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species

80.	*****Calothrix* sp.**	Rivulariaceae		Subaerial habitats	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
81.	***#**Calothrix* sp.**	Rivulariaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
82.	*****Calothrix* sp.**	Rivulariaceae		Freshwater reservoirs in Wet zone	Hossain et al., 2017; Hossain et al., 2020a	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
83.	*****Calothrix* sp.**	Rivulariaceae		Surface water, Gregory Lake	Magana-Arachchi et al., 2011	Research article/Molecular characterization and microcystin producing ability
84.	*****Calothrix* sp.**	Rivulariaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
85.	****Calothrix* sp. *(AW50)***	Rivulariaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
86.	****Calothrix* sp. *(KE31)***	Rivulariaceae		Freshwater bodies	Hossain et al., 2020a	do
87.	****Calothrix* sp. *(KK15)***	Rivulariaceae		Freshwater bodies	Hossain et al., 2020a; Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability; Value-added potential of freshwater cyanobacteria
88.	****Calothrix* sp. *(N1b)***	Rivulariaceae		Lake Gregory	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
89.	****Calothrix* sp. *(na7)***	Rivulariaceae		Lake Gregory	Wanigatunge et al., 2014	do
90.	*****Calothrix* sp.**	Rivulariaceae		Wahawa, Madunagala, Maha Oya and Kapurella geothermal springs	Madushani et al., 2021	Abstract/ Correlation of cyanobacteria and green microalgae richness with physiochemical parameters in geothermal springs
91.	*****Calothrix* sp.**	Rivulariaceae		Freshwater ponds in Jaffna	Thurairajah et al., 2018	Abstract/Potential of freshwater cyanobacteria in nitrate reduction
92.	****Cephalothrix komarekiana (AK8)***	Aerosakkonemataceae		Ariya Kulam, Jaffna peninsula	Malika et al., 2018; Malika et al., 2019; Hossain et al., 2020a; Hossain et al., 2020b	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria Research article/ Novel species with their value-added potential and toxin producing capability; / Identification and culturing of cyanobacteria for biodiesel production
93.	****Cephalothrix komarekiana (PK41)***	Aerosakkonemataceae		Pollu Kulam, Jaffna peninsula	Malika et al., 2018; Malika et al., 2019; Hossain et al., 2020a; Hossain et al., 2020b	do

94. #**Cephalothrix komarekiana	Aerosakkonemataceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2019	Abstract/ Analysis of heavy metals in nutrient rich freshwater cyanobacteria
95. *Cephalothrix* sp. *(MK22)	Aerosakkonemataceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
96. **Chlorococcales			Nuwara wewa tank, lake Gregory	Holsinger, 1955	Research article/ Distribution and periodicity of phytoplankton of three Ceylon lakes; Beira Lake, Nuwara wewa tank and lake Gregory
***97. **Chlorococcus* sp.**	Chlorococcaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***98. **Chlorococcus* sp.**	Chlorococcaceae	6°55'38" N, 79°51'18" E	Beira lake	Idroos & Manage, 2014	Research article/ Seasonal occurrence of Microcystin-LR with respect to physico-chemical aspects of Beira lake water
***99. **Chlorogloeopsis* sp.**	Chlorogloeopsidaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***100. #**Chlorogloeopsis* sp.**	Chlorogloeopsidaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
101. *Chlorogloeopsis* sp. *(WWS1)	Chlorogloeopsidaceae		Soil, tsunami affected area, Wellawaththa	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***102. **Chroococcus* sp.**	Chroococcaceae		Intermediate Zone Reservoirs	Hossain et al., 2017	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries
103. ** Chroococcales			Surface and bottom of water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/Molecular characterization and microcystin producing ability
104. *Chroococcales cyanobacterium (GK8)			Well water in Dry zone	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
105. *Chroococcales cyanobacterium (HM6)		7°12′36″N, 80°58′50″E	Minipe ela	Liyanage et al., 2016a	do
106. *Chroococcales cyanobacterium (K14)			Lagoon soil, Kirinda	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
107. *Chroococcales cyanobacterium (N1a)			Lake Gregory	Wanigatunge et al., 2014	do

108. *Chroococcales cyanobacterium (N16)			Nanu Oya	Wanigatunge et al., 2014	do
109. *Chroococcales cyanobacterium (YR5)			Sea water; Yala National Park, Patanangala Lake	Wanigatunge et al., 2014	do
110. #Chroococcales sp.**			Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
111. **Chroococcales			Freshwater bodies of intermediate zone	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
112. ** Chroococcales sp.I		9°4'6.4"N and 80°4'22.151"E	Mangroves (Mannar region)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
113. **Chroococcales sp.II		8°36'17.352"N and 81°10'16.644"E	Hot water springs	Bowange et al., 2022	do
114. ** Chroococcales sp.III		6°51'8.657"N and 81°49'46.91"E	Lagoons	Bowange et al., 2022	do
115. ** Chroococcales sp.IV		8°58'12.698"N and 79°53'20.953"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	do
116. **Chroococcales sp.			Nuwara wewa and Nachchaduwa wewa	Zakeel et al., 2015	Research article/ Spatial and temporal dynamics and parameters of growth of toxic cyanobacteria in Nuwara wewa and Nachchaduwa wewa
***117. **Chroococcidiopsis* sp.**	Chroococcidiopsidaceae		Reservoirs in Dry zone	Hossain et al., 2017	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries
***118. #**Chroococcidiopsis* sp.**	Chroococcidiopsidaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***119. **Chroococcidiopsis* sp.**	Chroococcidiopsidaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***120. **Chroococcidiopsis* sp.**	Chroococcidiopsidaceae		Freshwater bodies of dry zone and wet zone	Hossain et al., 2020a; Hossain et al., 2020b	Research articles/ Novel species with their value-added potential and toxin producing capability; Identification and culturing of cyanobacteria for biodiesel production

121. *Chroococcidiopsis* sp. *(1R)	Chroococcidiopsidaceae	7º36N, 81º 80E	Freshwater mixed with sea water in household well damaged with tsunami waves, Sammanthurai area	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	Research note/ First report of genus *Chroococcidiopsis*; Research article/ Genetic diversity and molecular phylogeny
122. *Chroococcidiopsis* sp. *(AP2)	Chroococcidiopsidaceae	7 º 28N, 81 º64E	Konduwatuwana Tank, Ampara	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	do
123. *Chroococcidiopsis* sp. *(Batti 6.2)	Chroococcidiopsidaceae	7 º 36N, 81º80E	Freshwater mixed with sea water in household well damaged with tsunami waves, Sammanthurai area	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	do
124. *Chroococcidiopsis* sp. *(D3)	Chroococcidiopsidaceae	6 º 11N,81º11E	Soil, Hambantota district, Nonagama	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	do
125. *Chroococcidiopsis* sp. *(GL16)	Chroococcidiopsidaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
126. *Chroococcidiopsis* sp. *(HMI)	Chroococcidiopsidaceae	7°12′36″N, 80°58′50″E	Minipe ela	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
127. *Chroococcidiopsis* sp. *(L5)	Chroococcidiopsidaceae	7°36N, 81°80E	Freshwater mixed with sea water in household well damaged with tsunami waves, Sammanthurai area	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	Research note/ First report of genus *Chroococcidiopsis*; Research article/ Genetic diversity and molecular phylogeny
128. *Chroococcidiopsis* sp. *(M3)	Chroococcidiopsidaceae	8°46N, 81°23E	Mahaweli River	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	do
129. *Chroococcidiopsis* sp. *(UW13)	Chroococcidiopsidaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
130. *Chroococcidiopsis* sp. *(YRS 4a)	Chroococcidiopsidaceae	6°16N, 81°15E	Crust from beach rock, Yala National Park	Magana-Arachchi & Wanigatunge, 2013; Wanigatunge et al., 2014	Research note/ First report of genus *Chroococcidiopsis*; Research article/ Genetic diversity and molecular phylogeny
131. **Chroococcus dispersus	Chroococcaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
132. **Chroococcus limneticus	Chroococcaceae		Reservoirs	Silva et al., 2013	do
133. **Chroococcus limneticus	Chroococcaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***134. **Chroococcus* sp.**	Chroococcaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake

***135. #**Chroococcus* sp.**	Chroococcaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***136. **Chroococcus* sp.**	Chroococcaceae		Subaerial habitats	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***137. *Chroococcus* sp.**	Chroococcaceae	7°31'27.02"N, 80°26'57.08" E	Rice fields RRDI, Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference paper/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***138. **Chroococcus* sp.**	Chroococcaceae		Jayanthi wewa, Unnichchai tank, Kondawatuwana tank	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***139. Chroococcus* sp.**	Chroococcaceae		Beira Lake	Imanthi et al., 2019	Abstract/ Development of a third-generation biofuel source using cyanobacteria and landfill leachate
***140. Chroococcus* sp.**	Chroococcaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***141. **Chroococcus* sp.**	Chroococcaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***142. **Chroococcus* sp.**	Chroococcaceae		Colombo lake (Beira lake)	Mendis, 1964	Research article/ Limnology of Colombo Lake; planktons, benthic fauna and fish fauna
***143. **Chroococcus* sp.**	Chroococcaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***144. **Chroococcus* sp.**	Chroococcaceae		Surface and bottom of water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability
***145. **Chroococcus* sp.**	Chroococcaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***146. **Chroococcus* sp.**	Chroococcaceae		Freswater reservoirs	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***147. **Chroococcus* sp.**	Chroococcaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
***148. **Chroococcus* sp.**	Chroococcaceae		Freshwater reservoirs in Wet zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***149. **Chroococcus* sp.**	Chroococcaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny

150. *Chroococcus* sp. *(HM2)	Chroococcaceae		Well water in Dry zone	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***151. **Chroococcus* spp.**	Chroococcaceae			Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
***152. ** Chroococcus* sp.**	Chroococcaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
153. **Clathrocystis* sp. *(Current name: Microcystis* sp.*)	Microcystaceae		Tanks at Dambulla and Habarane	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
154. **Coelomoron microcystoides	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***155. **Coelomoron* sp.**	Merismopediaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
156. **Coelosphaerium dubium	Merismopediaceae		Tank at Dambulla,tank at Haberane, Lake at Candy,tank Tissawewa near Anuradhapura	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
157. **Coelosphaerium kuetzingianum	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
158. **Coelosphaerium kuetzingianum	Merismopediaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***159. **Coelosphaerium* sp.**	Merismopediaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***160. **Ceolosphaerium* sp.**	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***161. **Coelosphaerium* sp.**	Merismopediaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***162. **Coelosphaerium* sp.**	Merismopediaceae	6^o 57′ 35.05″ - 6^o 57′ 08.04″ N and 80^o 46′ 29.18″ – 80^o 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***163. **Coelosphaerium* sp.**	Merismopediaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***164. **Coelosphaerium* sp.**	Merismopediaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
***165. **Coelosphaerium* sp.**	Merismopediaceae		Colombo lake (Beira lake)	Mendis, 1964	Research article/ Limnology of Colombo Lake; planktons, benthic fauna and fish fauna

***166. **Coelosphaerium* sp.**	Merismopediaceae	Minneriya and Ulhitiya	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
***167. **Coelosphaerium* sp.**	Merismopediaceae	Reservoirs in Dry zone	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
***168. **Coelosphaerium* sp.**	Merismopediaceae		Wanigatunge et al., 2014	Research article /Genetic diversity and molecular phylogeny
***169. **Coelosphaerium* sp.**	Merismopediaceae	Freshwater reservoirs	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***170. #**Coelosphaerium* sp.**	Merismopediaceae	Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***171. #**Coleodesmium* sp.**	Microchaetaceae	Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	do
172. **Croococcidiopsis* sp. *(UW13)	Chroococcidiopsidaceae	Freshwater reservoirs in Dry zone	Hossain et al., 2020a; Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability;Value-added potential of freshwater cyanobacteria
173. **Cyanodictyon imperfectum	Synechococcaceae	Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***174. **Cyanodictyon* sp.**	Synechococcaceae	Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***175. #**Cyanothece* sp.**	Cyanothecaceae	Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
176. *Cyanothece* sp. *(TW1)	Cyanothecaceae	Thuruwila tank	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
177. Cylindrospermopsis allantoidispora	Aphanizomenonaceae	Sri Lanka	Komárková, 1998	Research article/ The tropical planktonic genus *Cylindrospermopsis*
178. **Cylindrospermopsis philippinensis	Aphanizomenonaceae	Ekgaloya, Periyapandiviruchchan, Kanakambikai-kulam, Ahetuwewa and Udayarkattukulam reservoirs	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
179. **Cylindrospermopsis philippinensis	Aphanizomenonaceae	Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance

180. **Cylindrospermopsis raciborskii	Aphanizomenonaceae		Nawamedagama, Ballawiddawewa, Kurunegala Lake, Nuwarawewa, Tisa wewa, Kandalama, Moragaswewa, Minneriya, Giritale, Parakramasamudra, Kaudulla, Thuruwila, Ampara tank, Iaranamadu, Udayrkattukulam and Sooriyawewa	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
181. #Cylindrospermopsis raciborskii	Aphanizomenonaceae		Padawiya tank	Perera et al., 2011	Conference paper/ Limnology and cyanobacterial species composition of Padawiya tank during the dry season
182. #**Cylindrospermopsis raciborskii	Aphanizomenonaceae		Kurunegala reservoir	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
183. **Cylindrospermopsis raciborskii	Aphanizomenonaceae		Sagamam tank, Senanayake samudra, Himidurawa tank, Aligalge tank and Konduwattuwana tank	Kulasooriya, 2017	Review article/ Toxin producing freshwater cyanobacteria
184. **Cylindrospermopsis raciborskii	Aphanizomenonaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
185. **Cylindrospermopsis raciborskii	Aphanizomenonaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper / Impact of seasons on water quality and plankton dynamics
186. Cylindrospermopsis raciborskii	Aphanizomenonaceae		Reservoirs of the island	Yatigammana & Perera, 2017	Research article/ The prevalence of *Cylindrospermopsis raciborskii* in Sri Lankan reservoirs
187. #**Cylindrospermopsis raciborskii	Aphanizomenonaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
188. *Cylindrospermopsis raciborskii (AN3)	Aphanizomenonaceae	8°21′0″N, 80°25′0″E	Nuwara wewa	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***189. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***190. Cylindrospermopsis* sp.**	Aphanizomenonaceae		Kondawatuwana tank and Kantale tank, Trincomalee	Manage & Idroos, 2012	Conference paper/ Contamination status of water by Microcystin-LR and screening of bacterial isolates for microcystin degradation

***191. Cylindrospermopsis* sp.**	Aphanizomenonaceae	Kondawatuwana tank	Manage & Piyathilaka, 2012	Conference paper / Toxigenic cyanobacteria and monitoring cyanotoxins for safe drinking water supply
***192. #**Cylindrospermopsis* sp.**	Aphanizomenonaceae	Unnichai tank	Kulasooriya, 2017	Review article/ Toxin producing freshwater cyanobacteria
***193. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***194. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Jayanthi wewa, Kondawatuwana tank and Unnichchai tank	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***195. #Cylindrospermopsis* sp.**	Aphanizomenonaceae	Nuwara wewa and Kondawattuwana	Hettiarachchi et al., 2013	Abstract/ Identification and quantification of nuisance algae/ cyanobacteria and potential contamination of MC-LR
***196. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Water bodies in Anuradhapura, Polonnaruwa, Ampara, Batticaloa, Trincomalee and Hambanthota	Ganegoda et al., 2019a	Abstract/ Cyanobacteria abundance, 2-MIB levels coupled with N and P levels in raw, drinking water bodies
***197. #**Cylindrospermopsis* sp.**	Aphanizomenonaceae	Thuruwila reservoir	Hettiarachchi & Manage, 2014	Research Article/ Relationship between cyanobacterial cell densities and intracellular cyanotoxin MC-LR levels with relation to phosphorous and nitrogen nutrients in drinking/ irrigation reservoirs in Anuradhapura, Sri Lanka
***198. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***199. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Nuwara wewa and Nachchaduwa wewa	Zakeel et al., 2015	Research article/ Spatial and temporal dynamics and parameters of growth of toxic cyanobacteria in Nuwara wewa and Nachchaduwa wewa
***200. **Cylindrospermopsis* sp.**	Aphanizomenonaceae	Chandrikawewa, Lunugamwehera, and Udawalawe	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***201. Cylindrospermopsis* sp.**	Aphanizomenonaceae	Parakrama samudraya, Kondawatuwana, Neelapola and Kantale reservoirs	Sethunge & Manage, 2010	Conference paper/ Identification and physico-chemical parameters
***202. #**Cylindrospermopsis* sp.**	Aphanizomenonaceae	Selected reservoirs in Anuradhapura district	Peduruarachchi et al., 2022	Abstract/ Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central Province

***203. **Cylindrospermopsis* sp.**	Aphanizomenonaceae		Kanthale tank, Nachchadoowa wewa, Kala wewa, Nallachchiya wewa, Thuruwila wewa, Tissa wewa, Parakrama Samudraya and Unnichchai tank	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***204. Cylindrospermopsis* sp.**	Aphanizomenonaceae		Kala wewa, Balalu wewa, Nachchaduwa wewa, Parakrama Samudraya, Minneriya wewa, Giritale wewa, Nuwarawewa, Padawiya tank, Jaya Ganga	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***205. **Cylindrospermum* spp.**	Nostocaceae		Nuwara wewa	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
206. **Dactylococcopsis smithii (Current name: Rhabdogloea smithii)	Synechococcaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
207. **Dactylococcopsis smithii(Current name: Rhabdogloea smithii)	Synechococcaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***208. **Dactylococcopsis* sp.**	Synechococcaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***209. #**Dactylococcopsis* sp.**	Synechococcaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***210. **Dermocarpa* sp.**	Dermocarpaceae		Freshwater reservoirs in Wet zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability

***211. #**Dermocarpa* sp.**	Dermocarpaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***212. **Dermocarpa* sp.**	Dermocarpaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***213. #**Dermocarpa* sp.**	Dermocarpaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***214. #**Dermocarpella* sp.**	Dermocarpellaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***215. **Dichothrix* sp.**	Rivulariaceae		Freshwater ponds in Jaffna	Thurairajah et al., 2018	Abstract/Potential of freshwater cyanobacteria in nitrate reduction
***216. **Entophysalis* sp.**	Entophysalidaceae		Matara, Ambalangodda, Bentotta and Trincomalie	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
217. *Filamentous cyanobacterium (AG7)			Sea water, Aluthgama	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
218. *Filamentous cyanobacterium (HM15)			Well water	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
219. *Filamentous cyanobacterium (HM16)			Well water	Liyanage et al., 2016a	do
220. *Filamentous cyanobacterium (WPS6)			On lichens, Paiyagala	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***221. **Fischerella* sp.**	Hapalosiphonaceae			Wanigatunge et al., 2014	do
***222. **Fischerella* sp.**	Hapalosiphonaceae	8°59'24.359"N and 80°44'35.512"E	Hot water springs	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***223. **Geitlerinema* sp. I**	Coleofasciculaceae	8°55'25.253"N and 79°55'20.371"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	do
***224. **Geitlerinema* sp. II**	Coleofasciculaceae	8°58'19.333"N and 79°53'5.42"E	Mangroves (Mannar region)	Bowange et al., 2022	do

***225. **Geitlerinema* sp. III**	Coleofasciculaceae	6°15'13.076"N and 80°58'54.293"E	Hot water springs	Bowange et al., 2022	do
***226. **Geitlerinema* sp. IV**	Coleofasciculaceae	6°11'54.947"N and 81°12'9.362"E	Lagoons	Bowange et al., 2022	do
227. *Geitlerinema* sp. *(KK36)	Coleofasciculaceae		Freshwater bodies	Hossain et al., 2020a; Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability; Value-added potential of freshwater cyanobacteria
***228. **Glaucocystis* sp.**	Glaucocystaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
229. **Gloeocapsa sanguinea	Chroococcaceae		Tree trunks at higher altitudes	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***230. **Gloeocapsa* sp.**	Chroococcaceae		Tree trunks at higher altitudes, subaerial habitats, wooded slopes of Pedrotallagalla and in the jungle on the Hakgalla rock	Fritsch, 1907	do
***231. **Gloeocapsa* sp. I**	Chroococcaceae	7°33'8.005"N and 81°21'11.21"E	Hot water springs	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***232. **Gloeocapsa* sp. II**	Chroococcaceae	8°58'12.698"N and 79°53'20.953"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	do
***233. **Gloeocapsa* sp.**	Chroococcaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***234. **Gloeocapsa* sp.**	Chroococcaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***235. **Gloeocaosa* sp.**	Chroococcaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
***236. **Gloeocapsa* sp.**	Chroococcaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***237. **Gloeocapsa* sp.**	Chroococcaceae		Wahawa, Madunagala, Maha Oya and Kapurella geothermal springs	Madushani et al., 2021	Abstract/ Correlation of cyanobacteria and green microalgae richness with physiochemical parameters in geothermal springs
***238. #**Gloeocapsa* sp.**	Chroococcaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria

239. *Gloeocapsa* sp. *(YRS10)	Chroococcaceae		Sludge layer; Yala National Park, Patanangala	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***240. **Gloeothece* sp.**	Aphanothecaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***241. **Gloeothece* sp.**	Aphanothecaceae		Tree trunks at higher altitudes	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***242. **Gloeothece* sp.**	Aphanothecaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***243. #**Gloeothece* sp.**	Aphanothecaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
244. **Gloeotrichia natans	Gloeotrichiaceae		Lake Kantelai	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
245. **Gloeotrichia rabenhorstii	Gloeotrichiaceae		Basawakkulam	Fritsch, 1907	do
***246. **Gloeotrichia* sp.**	Gloeotrichiaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***247. **Gloeotrichia* sp.**	Gloeotrichiaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***248. **Gloeotrichia* sp.**	Gloeotrichiaceae		Lake Mineri	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***249. **Gloeotrichia* sp.**	Gloeotrichiaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
250. **Gomphosphaeria naegeliana	Gomphosphaeriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
251. **Gomphosphaeria naegeliana	Gomphosphaeriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
252. **Gomphosphaeria pusilla	Gomphosphaeriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
253. **Gomphosphaeria pusilla	Gomphosphaeriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***254. **Gomphosphaeria* sp.**	Gomphosphaeriaceae		Chandrikawewa, Kalatuwawa, Kandy Lake, Kotmale, Labugama, Lunugamwehera, Randenigala, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, Victoria and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs

***255. **Gomphosphaeria* sp.**	Gomphosphaeriaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory.	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***256. **Gomphosphaeria* sp.**	Gomphosphaeriaceae		Jayanthi wewa	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***257. #**Hapalosiphon* sp.**	Hapalosiphonaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala district	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***258. **Hapalosiphon* sp.**	Hapalosiphonaceae		Subaerial habitats	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***259. **Hapalosiphon* sp.**	Hapalosiphonaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
260. *Hapalosiphon welwitschii (HM11)	Hapalosiphonaceae		Well waters in Dry zone of Sri Lanka	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
261. *Hapalosiphon* sp. *(PFA-A2)	Hapalosiphonaceae		Soil mixed with water, Elpitiya paddy field	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***262. **Hypheothrix* sp.**	Oscillatoriaceae		Subaerial habitats, rock pools in Dambulla, Habarane and the northern half of Sri Lanka	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***263. *Johannesbaptistia* sp.**	Cyanothrichaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016, Balasooriya et al., 2017	Conference papers/ / Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***264. **Johannesbaptistia* sp.**	Cyanothrichaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
265. **Lemmermaniella pallida	Synechococcaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***266. **Lemmermaniella* sp.**	Synechococcaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***267. **Leptolyngbya* sp. I**	Leptolyngbyaceae	8°55'23.88"N and 79°56'0.799"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***268. **Leptolyngbya* sp. II**	Leptolyngbyaceae	8°57'25.501"N and 79°55'11.287"E	Mangroves (Mannar region)	Bowange et al., 2022	do

***269. **Leptolyngbya* sp. III**	Leptolyngbyaceae	7°11'20.396"N and 81°51'32.629"E	Lagoons	Bowange et al., 2022	do
***270. **Leptolyngbya* sp. IV**	Leptolyngbyaceae	6°15'13.076"N and 80°58'54.293"E	Hot water springs	Bowange et al., 2022	do
271. **Leptolyngbya* sp. *(KM36)	Leptolyngbyaceae		Mid-canal of Kandy Lake (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya.	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
***272. *Leptolyngbya* sp.**	Leptolyngbyaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Balasooriya et al., 2017	Conference paper/ Morphological and molecular identification
***273. **Leptolyngbya* sp.**	Leptolyngbyaceae		Bottom of the water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability
***274. **Leptolyngbya* sp.**	Leptolyngbyaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***275. **Leptolyngbya* sp.**	Leptolyngbyaceae		Freshwater reservoirs in wet zone	Ramziya et al., 2017; Hossain et al., 2017; Hossain et al., 2020a; Hossain et al., 2020b	Abstract/ Potential use in agriculture; Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability; Identification and culturing of cyanobacteria for biodiesel production
***276. **Leptolyngbya* sp.**	Leptolyngbyaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***277. **Leptolyngbya* sp.**	Leptolyngbyaceae		Rice fields and Hambanthota salt pans	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
278. *Leptolyngbya* sp. *(AW1)	Leptolyngbyaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
279. *Leptolyngbya* sp. *(A4)	Leptolyngbyaceae		Ihalanochchikulama tank, Anuradhapura	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
280. *Leptolyngbya* sp. *(BL2)	Leptolyngbyaceae		Lake Beira	Wanigatunge et al., 2014	do
281. *Leptolyngbya* sp. *(C2)	Leptolyngbyaceae		Soil sample collected after tsunami, Hambanthota	Wanigatunge et al., 2014	do
282. *Leptolyngbya* sp. *(DPFW1)	Leptolyngbyaceae		Heenganga Ella	Wanigatunge et al., 2014	do

283. *Leptolyngbya* sp. *(DPFW2)	Leptolyngbyaceae		Karavilahena Wewa	Wanigatunge et al., 2014	do
284. *Leptolyngbya* sp. *(DPW4)	Leptolyngbyaceae		Karavilahena Wewa	Wanigatunge et al., 2014	do
285. *Leptolyngbya* sp. *(DPW6)	Leptolyngbyaceae		Siyambalawewa	Wanigatunge et al., 2014	do
286. *Leptolyngbya* sp. *(GK10)	Leptolyngbyaceae		Well waters in Dry zone	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
287. *Leptolyngbya* sp. *(H1)	Leptolyngbyaceae		Mahapelessa hot spring	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
288. *Leptolyngbya* sp. *(H2)	Leptolyngbyaceae		Mahapelessa hot spring	Wanigatunge et al., 2014	do
289. *Leptolyngbya* sp. *(H10)	Leptolyngbyaceae		Mahapelessa hot spring	Wanigatunge et al., 2014	do
290. *Leptolyngbya* sp. *(HM13)	Leptolyngbyaceae	8°20′0″N, 80°22′0″E	Tissa wewa	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
291. *Leptolyngbya* sp. *(J4)	Leptolyngbyaceae		Soil, Yala National Park, Patanangala	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
292. *Leptolyngbya* sp. *(3J4)	Leptolyngbyaceae		Soil sample collected from pot in tsunami affected area, Yala, Patalangala	Wanigatunge et al., 2014	do
293. *Leptolyngbya* sp. *(4J2)	Leptolyngbyaceae		Yala, Patalangala	Wanigatunge et al., 2014	do
294. *Leptolyngbya* sp. *(KW1)	Leptolyngbyaceae		Surface water from Kala Wewa	Wanigatunge et al., 2014	do
295. *Leptolyngbya* sp. *(KW2)	Leptolyngbyaceae		Water sample collected from 4m below the surface of Kala Wewa	Wanigatunge et al., 2014	do
296. *Leptolyngbya* sp. *(KW5)	Leptolyngbyaceae		Surface water from Kala Wewa	Wanigatunge et al., 2014	do
297. *Leptolyngbya* sp. *(KW7b)	Leptolyngbyaceae		Surface water from Kala Wewa	Wanigatunge et al., 2014	do
298. *Leptolyngbya* sp. *(M1)	Leptolyngbyaceae		Mahaweli River	Wanigatunge et al., 2014	do
299. *Leptolyngbya* sp. *(N2c)	Leptolyngbyaceae		Lake Gregory	Wanigatunge et al., 2014	do
300. *Leptolyngbya* sp. *(PFA-A1)	Leptolyngbyaceae		Soil mixed with water, Elpitiya paddy field	Wanigatunge et al., 2014	do
301. *Leptolyngbya* sp. *(W1)	Leptolyngbyaceae		Bibila tank	Wanigatunge et al., 2014	do
302. *Leptolyngbya* sp. *(W5)	Leptolyngbyaceae		Tibbatuwa wewa	Wanigatunge et al., 2014	do
***303. #**Leptolyngbya* sp.**	Leptolyngbyaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria

***304. **Limnothrix* sp.**	Pseudanabaenaceae	6°10'3.034"N and 82°40'55.812"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***305. **Limnothrix* sp.**	Pseudanabaenaceae		Surface and bottom of water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability
***306. **Limnothrix* sp.**	Pseudanabaenaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***307. **Limnothrix* sp.**	Pseudanabaenaceae		Freshwater reservoirs in Dry zone	Ramziya et al., 2017; Hossain et al., 2017; Hossain et al., 2020a; Hossain et al., 2020b	Abstract/ Potential use in agriculture; Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability; Identification and culturing of cyanobacteria for biodiesel production
***308. #**Limnothrix* sp.**	Pseudanabaenaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***309. **Limnothrix* sp.**	Pseudanabaenaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***310. **Limnothrix* sp.**	Pseudanabaenaceae		Freshwater bodies of wet zone	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
311. *Limnothrix* sp. *(BL1)	Pseudanabaenaceae		Lake Beira	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
312. *Limnothrix* sp. *(DPW3)	Pseudanabaenaceae		Bibila tank	Wanigatunge et al., 2014	do
313. *Limnothrix* sp. *(DPW8)	Pseudanabaenaceae		Nalanda reservoir	Wanigatunge et al., 2014	do
314. *Limnothrix* sp. *(HW9)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
315. *Limnothrix* sp. *(KW3)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a; Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability; Value-added potential of freshwater cyanobacteria
316. *Limnothrix* sp. *(MK63)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
317. *Limnothrix* sp. *(na1)	Pseudanabaenaceae		Lake Gregory	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
318. *Limnothrix* sp. *(NW67)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
319. *Limnothrix* sp. *(UW30)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a	do
320. *Limnothrix* sp. *(UW33)	Pseudanabaenaceae		Freshwater bodies	Hossain et al., 2020a	do

321. **Lyngbya aerugineo-coerulea	Oscillatoriaceae		Lake Kantelai	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
322. **Lyngbya circumcreta	Oscillatoriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
323. **Lyngbya circumcreta	Oscillatoriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
324. **Lyngbva limnetica	Oscillatoriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
325. **Lyngbya limnetica	Oscillatoriaceae		Nachchadoowa wewa, Nallachchiya wewa, Tissa wewa, and Nuwara wewa	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
326. **Lyngbya limnetica	Oscillatoriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
327. **Lyngbya majuscula	Oscillatoriaceae		Nalandewewa, Tissawewa, Balankulam, Madawachyawewa, Habaranewewa, and rock pools in the northern half of Ceylon	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***328. **Lyngbya* sp.**	Oscillatoriaceae		Colombo lake (Beira lake)	Mendis, 1964	Research article/ Limnology of Colombo Lake; planktons, benthic fauna and fish fauna
***329. **Lyngbya* sp.**	Oscillatoriaceae		Chandrikawewa, Kalatuwawa, Kandy Lake, Kotmale, Labugama, Lunugamwehera, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***330. **Lyngbya* sp.**	Oscillatoriaceae		Mahaweli river basin	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
***331. **Lyngbya* sp.**	Oscillatoriaceae	8°55'23.88"N and 79°56'0.799"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***332. **Lyngbya* sp.**	Oscillatoriaceae		Freshwater ponds in Jaffna	Thurairajah et al., 2018	Abstract/Potential of freshwater cyanobacteria in nitrate reduction

***333. #**Lyngbya* sp.**	Oscillatoriaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***334. *Lyngbya* sp.**	Oscillatoriaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Balasooriya et al., 2017	Conference paper/ Morphological and molecular identification
***335. **Lyngbya* sp.**	Oscillatoriaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***336. **Lyngbya* sp.**	Oscillatoriaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***337. **Lyngbya* sp.**	Oscillatoriaceae		Bottom of the water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability
***338. Lyngbya* sp.**	Oscillatoriaceae		Reservoirs in Dry zones	Hossain et al., 2016; Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Antioxidant properties of selected fresh water cyanobacteria; Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***339. **Lyngbya* sp.**	Oscillatoriaceae		Reservoirs in Wet zone	Hossain et al., 2016; Hossain et al., 2017; Hossain et al., 2020a	do
***340. #**Lyngbya* sp.**	Oscillatoriaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***341. **Lyngbya* sp.**	Oscillatoriaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***342. *Lyngbya* sp.**	Oscillatoriaceae		Unnichchi tank in Baticolloa district, Jayanthi tank in Ampara district and Padawiya tank in Anuradhapura district	Ganegoda et al., 2019b	Abstract/ Investigation of ability of native cyanobacteria to produce Geosmin and 2- MIB
***343. **Lyngbya* sp.**	Oscillatoriaceae		Subaerial habitat, Villamkulam, Andankulam, and hot springs in Kannia near Trincomalie	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae
***344. **Lyngbya* sp.**	Oscillatoriaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection

***345. **Lyngbya* sp.**	Oscillatoriaceae		Salt pans of Hambanthota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
346. ** Lyngbya* sp. *(KM37)	Oscillatoriaceae		Mid-canal of Kandy lake (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
***347. **Lyngbya* spp.**	Oscillatoriaceae		Reservoirs in dry, intermediate and wet zones	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
348. **Merismopedia elegans	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
349. **Merismopedia glauca	Merismopediaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
350. *Merismopedia glauca	Merismopediaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
351. **Merismopaedia punctata	Merismopediaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
352. **Merismopedia punctata	Merismopediaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
353. **Merismopedia punctata	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
354. **Merismopedia punctata	Merismopediaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
355. **Merismopedia punctata	Merismopediaceae	7° 55'N and 81° E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***356. **Merismopedia* sp.**	Merismopediaceae		Beira lake	Nahallage & Piyasiri, 1998	Research article/ Trophic status of the Beira Lake
***357. **Merismopedia* sp.**	Merismopediaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***358. #**Merismopedia* sp.**	Merismopediaceae		Selected reservoirs in Anuradhapura and Polonnaruwa district	Peduruarachchi et al., 2022	Abstract/ Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central Province
***359. **Merismopedia* sp.**	Merismopediaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity

***360. **Merismopedia* sp.**	Merismopediaceae		Jayanthi wewa, Kala wewa, and Thuruwila wewa	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***361. **Merismopedia* sp. I**	Merismopediaceae		Bandagiriya, Chandrikawewa, Kalatuwawa, Kandy Lake, Kotmale, Labugama, Lunugamwehera, Randenigala, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, Victoria and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***362. **Merismopedia* sp. II**	Merismopediaceae		Do	Jayatissa et al., 2006	do
***363. **Merismopedia* sp.**	Merismopediaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***364. **Merismopedia* sp.**	Merismopediaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***365. #**Mastigocladus* sp.**	Hapalosiphonaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
366. *Mastigocladus* sp. *(HM5)	Hapalosiphonaceae		Well water	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
367. *Mastigocladus* sp. *(HM9)	Hapalosiphonaceae		Well water	Liyanage et al., 2016a	do
368. *Merismopedia* sp. *(Ku 1)	Merismopediaceae		Kurunegala tank	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***369. Merismopedia* spp.**	Merismopediaceae		Boralesgamuwa lake	Manage & Piyathilaka, 2012	Conference paper/ Toxigenic cyanobacteria and monitoring cyanotoxins for safe drinking water supply
***370. **Merismopedia* spp.**	Merismopediaceae		Reservoirs in dry, intermediate and wet zones	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
371. **Merismopedia tenuissima	Merismopediaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
372. **Merismopedia tenuissima	Merismopediaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***373. **Microchaete* sp.**	Rivulariaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability

***374. **Microcoleus* sp.**	Microcoleaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***375. **Microcoleus* sp.**	Microcoleaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
376. *Microcoleus* sp. *(N14)	Microcoleaceae		Lake Gregory	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
377. *Microcoleus* sp. *(T2)	Microcoleaceae		Sand and water sample, Thissamaharama	Wanigatunge et al., 2014	do
***378. #**Microcystis* sp.**	Microcystaceae		Unnichai tank, Konduwattuwana tank	Kulasooriya, 2017	Review article/ Toxin producing freshwater cyanobacteria
***379. **Microcystis* sp.**	Microcystaceae	8°58'12.698"N and 79°53'20.953"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
380. **Microcystis 1 (KM25)	Microcystaceae	7°18′N and 80° 38′E	Kandy Lake	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
381. **Microcystis 2 (KM26)	Microcystaceae		Mid-canal of Kandy lake (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya	Lakmali et al., 2022	do
382. **Microcystis aeruginosa	Microcystaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
383. #Microcystis aeruginosa	Microcystaceae		Beira lake	Hirimburegama, 1998	Proceedings/ Cyanobacteria in the Beira Lake
384. **Microcystis aeruginosa	Microcystaceae		Kothmale reservoir	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
385. **Microcystis aeruginosa	Microcystaceae		Kandeela reservoir, Vishwamadu reservoir	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs

386. #Microcystis aeruginosa	Microcystaceae		Padawiya tank	Perera et al., 2011	Conference paper/ Limnology and cyanobacterial species composition of Padawiya tank during the dry season
387. #**Microcystis aeruginosa	Microcystaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
388. **Microcystis aeruginosa	Microcystaceae		Beira lake	Nahallage & Piyasiri, 1998	Research article/ Trophic status of the Beira Lake
389. **Microcystis aeruginosa	Microcystaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
390. #**Microcystis aeruginosa	Microcystaceae		Surface and bottom of water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/ Molecular characterization and microcystin producing ability
391. **Microcystis aeruginosa	Microcystaceae		Kandy lake	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
392. Microcystis aeruginosa	Microcystaceae		Labugama, Kalatuwawa, Parakrama samudraya, Kondawatuwana, Neelapola and Kantale reservoirs	Sethunge & Manage, 2010	Conference paper/ Identification and physico-chemical parameters
393. Microcystis aeruginosa	Microcystaceae		Northern part of Sri Lanka	Nagendran et al., 2019	Abstract/ Molecular identification of potential microcystin producing cyanobacteria from northern Sri Lanka
394. #**Microcystis aeruginosa	Microcystaceae	6°55'38" N, 79°51'18" E)	Beira lake	Idroos & Manage, 2014	Research article/ Seasonal occurrence of Microcystin-LR with respect to physico-chemical aspects of Beira lake water
395. **Microcystis aeruginosa	Microcystaceae		Tank Andangawa-mahawewa on small jungle footpath from Habarane to Sigiri, tank Balaluwewa, margin of tank Andankulam, about three miles from Trincomerlie, small pond in Botanical Gardens, Anuradhapura, Rock pool connected with Kalawewa-tank	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
396. **Microcystis aeruginosa	Microcystaceae		Kotmale reservoir	Kulasooriya, 2017	Review article/ Toxin producing freshwater cyanobacteria

397. **Microcystis aeruginosa	Microcystaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
398. **Microcystis aeruginosa	Microcystaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper / Impact of seasons on water quality and plankton dynamics
399. #Microcystis aeruginosa	Microcystaceae		Beire Lake, Kandy Lake, Boralesgamuwa lake, Kesbawa lake, Kondawatuwana tank, Kantale tank, Trincomalee, Randenigala, Rantambe, Maha-abagaswewa, Nuwara wewa, Wahalkada tank, Jayanthi wewa, Tissawewa, Girithale wewa, Abankattuwa, Kaudule wewa, Ridiagama reservoir, Victoria tank, Parakrama Samudra, Udwalawe irrigation tank, Chandrika wewa, Labugama, Kalatuwawa, Kala oya, and Eluwankulama tank	Manage & Idroos, 2012; Manage & Piyathilaka, 2012	Conference papers/ Contamination status of water by Microcystin-LR and screening of bacterial isolates for microcystin degradation; Toxigenic cyanobacteria and monitoring cyanotoxins for safe drinking water supply
400. *Microcystis aeruginosa (bl)	Microcystaceae		Rice fields, Lake Beira and Lake Kandy	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
401. **Microcystis aeruginosa (KM24)	Microcystaceae	7°18′N and 80° 38′E	Kandy Lake and its mid-canal (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
402. **Microcystis aeruginosa	Microcystaceae	7° 55'N and 81° E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
403. #**Microcystis aeruginosa	Microcystaceae		Kandy lake, Beira lake, Kotmale reservoir	Silva et al., 2013	Research article/ Species composition and relative dominance
404. *Microcystis aeruginosa (N11)	Microcystaceae		Lake Gregory	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny

405. **Microcystis comperei	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
406. **Microcystis elongata	Microcystaceae		Rock pool connected with Kalawewa-tank	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
407. **Microcystis flos-aqua	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
408. #Microcystis flos-aquae	Microcystaceae		Padawiya tank	Perera et al., 2011	Conference paper/ Limnology and cyanobacterial species composition of Padawiya tank during the dry season
409. **Microcystis flos-aquae	Microcystaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
410. **Microcystis flos-aquae	Microcystaceae		Lake at Kandy, lake at Colombo, four small tanks near entrance to Botanical Gardens, Anuradhapoora, tank Mineri, tank Tissawewa, near Anuradhapura, small rock pool, in wet season of the year certainly connected with tank Punchi-kekirawa	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
411. **Microcystis holsatica	Microcystaceae		Tank Andankulam, four miles from Trincomalie	Crow, 1923	do
412. **Microcystis incerta	Microcystaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
413. **Microcystis incerta	Microcystaceae	6º 57′ 35.05″ - 6º 57′ 08.04″ N and 80º 46′ 29.18″ – 80º 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
414. **Microcystis incerta	Microcystaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
415. **Microcystis incerta	Microcystaceae		Rock pool connected with Kalawewa-tank	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
416. #**Microcystis incerta	Microcystaceae	6°55'38" N, 79°51'18" E	Beira lake	Idroos & Manage, 2014	Research article/ Seasonal occurrence of Microcystin-LR with respect to physico-chemical aspects of Beira Lake water
417. **Microcystis incerta	Microcystaceae		Colombo lake	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs

418. **Microcystis incerta	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
419. **Microcystis incerta	Microcystaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
420. **Microcystis lamielliformes	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
421. **Microcystis marginata	Microcystaceae		Perithpan-pokuna near Isurumunija-temple at Anuradhapoora, rock pool connected with Kalawewa-tank (rare); small shallow bay of Nuwarawewa near Anuradhapura (rare)	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
422. **Microcystis protocystis	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
423. **Microcystis protocystis	Microcystaceae		Tank Mineri (water-bloom), tank Andankulam (water-bloom); rock pool in wet season of the year certainly connected with tank Punchi-kekirawa close by, Perithpan-pokuna near Isurumunija-temple at Anuradhapura	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
424. **Microcystis pseudofilamentosa	Microcystaceae		Tank Nuwarawewa at Anuradhapura	Crow, 1923	do
425. **Microcystis pulverea	Microcystaceae		Lake at Colombo, tank at Dambulla	Crow, 1923	do
***426. **Microcystis* sp.**	Microcystaceae		Reservoirs in wet, dry and intermediate zones	Hossain et al., 2016; Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Antioxidant properties of selected fresh water cyanobacteria; Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***427. Microcystis* sp.**	Microcystaceae		Kandy lake	Shehani & Yatigammana, 2019	Conference paper/ Phytoplankton diversity, abundance and their ecology in Kandy Lake
***428. **Microcystis* sp.**	Microcystaceae		Colombo lake (Beira lake)	Mendis, 1964	Research article/ Limnology of Colombo Lake; planktons, benthic fauna and fish fauna
***429. **Microcystis* sp.**	Microcystaceae		Mahaweli river basin	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin

***430. *Microcystis* sp.**	Microcystaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***431. **Microcystis* sp.**	Microcystaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***432. #*Microcystis* sp.**	Microcystaceae	6°56'N & 79"51 ' E	Beira lake	Magana-Arachchi et al., 2008	Short communication/ PCR assay for the detection of toxic cyanobacteria in lake Beira
***433. #**Microcystis* sp.**	Microcystaceae		Selected reservoirs in Anuradhapura district	Peduruarachchi et al., 2022	Abstract/ Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central Province
***434. #*Microcystis* sp.**	Microcystaceae		Beira Lake, Kurunegala Lake, Borciesgarnuwa Lake, Giradurukotte reservoir and Nuwara wewa	Piyathilaka, 2016	Conference paper/ Molecular identification of toxigenic cyanobacteria and effects of cyanotoxins on human renal cell lines
***435. #*Microcystis* sp.**	Microcystaceae		Domestic well water, Medawachchiya region	McDonough et al., 2020	Scientific reports/ Water chemistry and microbiome of household wells in Medawachchiya
***436. **Microcystis* sp.**	Microcystaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***437. #Microcystis* sp.**	Microcystaceae		Kanthale lake, Girithale lake, Kondawattuwana lake, Nuwara wewa, Jayanthi wewa	Hettiarachchi et al., 2013	Abstract/ Identification and quantification of nuisance algae/ cyanobacteria and potential contamination of MC-LR
***438. #Microcystis* sp.**	Microcystaceae	8°23'27.83" N & 80°32'47.65" E and 8°14'56.29" N &80°28'59.24"E	Mahakanadarawa and Nachchaduwa reservoirs	Gunawardana et al., 2022	Research article/ Spatial distribution of Microcystins and Cylindrospermopsin in Mahanadarawa and Nachchaduwa reservoirs with their phytoplankton composition and physio-chemical properties
***439. **Microcystis* sp.**	Microcystaceae		Water bodies in Anuradhapura, Polonnaruwa, Ampara, Batticaloa, Trincomalee and Hambanthota	Ganegoda et al., 2019a	Abstract/ Cyanobacteria abundance, 2-MIB levels coupled with N and P levels in raw, drinking water bodies
***440. #**Microcystis* sp.**	Microcystaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria

***441. #**Microcystis* sp.**	Microcystaceae		Rservoirs of Rambewa, Mahakanadarawa reservoirs, Nuwarawewa, Tisawewa, Abhayawewa, and Kalawewa	Hettiarachchi & Manage, 2014	Research Article/ Relationship between cyanobacterial cell densities and intracellular cyanotoxin MC-LR levels with relation to phosphorous and nitrogen nutrients in drinking/ irrigation reservoirs
***442. Microcystis* sp.**	Microcystaceae		Beira Lake	Imanthi et al., 2019	Abstract / Development of a third-generation biofuel source using cyanobacteria and landfill leachate
***443. **Microcystis* sp.**	Microcystaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***444. **Microcystis* sp.**	Microcystaceae		Jayanthi wewa, Sagama tank, Kondawatuwana tank, Unnichchai tank, Kanthale tank, Nachchadoowa wewa, Kala wewa, Nallachchiya wewa, Thuruwila wewa , Tissa wewa, Nuwara wewa, and Parakrama Samudraya	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water
***445. **Microcystis* sp.**	Microcystaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***446. **Microcystis* sp.**	Microcystaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***447. **Microcystis* sp.**	Microcystaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria

***448. #**Microcystis* spp.**	Microcystaceae		Kurunegala lake, Giradurukotte reservoir, Rathkinda lake, Ulhitiya lake, Kondawatuwana reservoir, Jayanthi lake, Kantale lake, Unnichchi reservoir	Piyathilaka et al., 2015	Conference paper/ Molecular screening of selected water bodies for Microcystin producing genotypes
***449. **Microcystis* spp.**	Microcystaceae		Lunugamwehera reservoir	Gunawardane et al., 2020	Conference paper/ Spatial variation of cyanobacterial diversity in the Lunugamwehera reservoir along with trophic status
***450. Microcystis* spp.**	Microcystaceae		Beira Lake	Madusanka & Manage, 2018	Research article/ Optimization of an efficient solvent system for lipid extraction from *Microcyctis* **spp.** for biodiesel production
***451. Microcystis* spp.**	Microcystaceae		Boralesgamuwa lake, Jayanthiwewa, Adithyamalay and Unnichchi	Manage & Piyathilaka, 2012	Conference paper/ Toxigenic cyanobacteria and monitoring cyanotoxins for safe drinking water supply
452. **Microcystis viridis	Microcystaceae		Small shallow bay of Nuwarawewa near Anuradhapura	Crow, 1923	Research article/ Taxonomy and variation of the genus *Microcystis*
453. **Microcystis wesenbergii	Microcystaceae		Kandy lake	Silva & Samaradiwakara, 2005	Research article/ Composition and succession of the phytoplankton community in Kandy Lake
454. Microcystis wesenbergii	Microcystaceae		Kandy lake and Giritale reservoir	Manage & Piyathilaka, 2012	Conference paper/ Toxigenic cyanobacteria and monitoring cyanotoxins for safe drinking water supply
455. **Microcystis wesenbergii	Microcystaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
456. #**Microcystis wesenbergii	Microcystaceae	6°55'38" N, 79°51'18" E	Beira lake	Idroos and Manage, 2014	Research article/ Seasonal occurrence of Microcystin-LR with respect to physico-chemical aspects of Beira Lake water
457. **Microcystis wesenbergii	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
458. **Microcystis wesenbergii	Microcystaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
459. **Myxophyceae	Myxophyceae		Beira lake, Nuwara wewa tank, lake Gregory	Holsinger, 1955	Research article/ Distribution and periodicity of phytoplankton of three Ceylon lakes; Beira Lake, Nuwara wewa tank and lake Gregory
***460. **Nodosilinea* sp. I**	Prochlorotrichaceae	8°58'58.669"N and 79°59'58.411"E	Salt marshes, salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems

***461. **Nodosilinea* sp. II**	Prochlorotrichaceae	6°20'5.458"N and 82°57'31.688"E	Mangroves (Mannar region)	Bowange et al., 2022	do
***462. #**Nodularia* sp.**	Aphanizomenonaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***463. **Nodularia* sp.**	Aphanizomenonaceae		Chandrikawewa, Lunugamwehera and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***464. #**Nodularia* sp.**	Aphanizomenonaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***465. **Nodularia* sp.**	Aphanizomenonaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
466. *Nostoc punctiforme (HM7)	Nostocaceae		Well water	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***467. **Nostoc* sp.**	Nostocaceae	8°58'58.669"N and 79°59'58.411"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***468. **Nostoc* sp.**	Nostocaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***469. #**Nostoc* sp.**	Nostocaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***470. *Nostoc* sp.**	Nostocaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***471. **Nostoc* sp.**	Nostocaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***472. **Nostoc* sp.**	Nostocaceae		Kalatuwawa, Ridiyagama, Situlpawwa, Tissawewa and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***473. #**Nostoc* sp.**	Nostocaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria

***474. *Nostoc* sp.**	Nostocaceae		Unnichchi tank in Baticolloa district, Jayanthi tank in Ampara district and Padawiya tank in Anuradhapura district	Ganegoda et al., 2019b	Abstract/ Investigation of ability of native cyanobacteria to produce Geosmin and 2- MIB
***475. **Nostoc* sp.**	Nostocaceae		Subaerial habitat, wooded slopes of Pedrotallagalla, on the Hakgalla rock, tree trunks at higher altitudes and Peradeniya	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***476. Nostoc* sp.**	Nostocaceae		Hot springs	Reed et al., 1984	Research article/ Carbohydrates employed as osmotica in cyanobacteria isolated from marine and freshwater habitats
***477. **Nostoc* sp.**	Nostocaceae		Freshwater bodies of dry and wet zones	Ramziya et al., 2017; Hossain et al., 2017; Hossain et al., 2020a	Abstract/ Potential use in agriculture; Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***478. **Nostoc* sp.**	Nostocaceae		Salt pans of Hambanthota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
479. *Nostoc* sp. *(AW49)	Nostocaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
480. **Nostoc* sp. *(KM39)	Nostocaceae	7°18′N and 80° 38′E	Kandy Lake and its mid-canal (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya) in Kandy City	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb(II) bioremediation potential
***481. **Nostoc* spp.**	Nostocaceae		Reservoirs in dry, intermediate and wet zones	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
482. ** Nostocales		8°58'58.669"N and 79°59'58.411"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***483. **Oscillaria* sp.**	Oscillatoriaceae		Subaerial habitat, rock pools in Dambulla and the northern half of Sri Lanka	Fritsch, 1907	Research article/ Subaerial and inland freshwater algae

484. **Oscillaria tenuis	Oscillatoriaceae		Mahakekirawa tank	Fritsch, 1907	do
485. **Oscillatoria chlorina	Oscillatoriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
486. **Oscillatoria chlorina	Oscillatoriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
487. **Oscillatoria raciborskii	Oscillatoriaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
488. **Oscillatoria raciborskii	Oscillatoriaceae		Giant's tank, Minneriya	Silva et al., 2013	Research article/ Species composition and relative dominance
489. **Oscillatoria raciborskii	Oscillatoriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
490. **Oscillatoria sancta	Oscillatoriaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***491. **Oscillatoria* sp. I**	Oscillatoriaceae	8°58'58.669"N and 79°59'58.411"E	Salt marshes, salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***492. **Oscillatoria* sp. II**	Oscillatoriaceae	9°4'6.99"N and 80°4'23.983"E	Mangroves (Mannar region)	Bowange et al., 2022	do
***493. **Oscillatoria* sp. III**	Oscillatoriaceae	6°15'13.076"N and 80°58'54.293"E	Hot water springs	Bowange et al., 2022	do
***494. **Oscillatoria* sp. IV**	Oscillatoriaceae	8°6'7.094"N and 81°26'23.544"E	Lagoons	Bowange et al., 2022	do
***495. **Oscillatoria* sp.**	Oscillatoriaceae		Colombo lake (Beira lake)	Mendis, 1964	Research article/ Limnology of Colombo Lake; planktons, benthic fauna and fish fauna
***496. #**Oscillatoria* sp.**	Oscillatoriaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***497. *Oscillatoria* sp.**	Oscillatoriaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Balasooriya et al., 2017	Conference paper/ Morphological and molecular identification
***498. **Oscillatoria* sp.**	Oscillatoriaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
***499. **Oscillatoria* sp.**	Oscillatoriaceae		Batticaloa lagoon	Harris & Vinobaba, 2012	Research article/ Impact of water quality on species composition and seasonal fluctuations
***500. **Oscillatoria* sp.**	Oscillatoriaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***501. #**Oscillatoria* sp.**	Oscillatoriaceae		Selected reservoirs in Polonnaruwa district	Peduruarachchi et al., 2022	Abstract/ Odor, taste and toxin producing cyanobacteria and algae in surface waters of North Central Province

***502. **Oscillatoria* sp.**	Oscillatoriaceae		Freshwater reservoirs in dry, wet and intermediate zones	Malika et al., 2018; Malika et al., 2019; Hossain et al., 2016; Hossain et al., 2017; Hossain et al., 2020a	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria Research articles/ Antioxidant properties of selected fresh water cyanobacteria; Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***503. **Oscillatoria* sp.**	Oscillatoriaceae		Water bodies in Anuradhapura, Polonnaruwa, Ampara, Batticaloa, Trincomalee and Hambanthota	Ganegoda et al., 2019a	Abstract/ Cyanobacteria abundance, 2-MIB levels coupled with N and P levels in raw, drinking water bodies
***504. #**Oscillatoria* sp.**	Oscillatoriaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***505. **Oscillatoria* sp.**	Oscillatoriaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***506. Oscillatoria* sp.**	Oscillatoriaceae		Senanayaka Samudraya	Wijesekara & Manage, 2015; Wijesekara & Manage, 2018	Abstracts/ The antibacterial activity of *Oscillatoria* **sp.**; Extracellular compounds and antimicrobial activities of *Oscillatoria* **sp.** isolated from Senanayaka Samudraya
***507. *Oscillatoria* sp.**	Oscillatoriaceae		Unnichchi tank in Baticolloa district, Jayanthi tank in Ampara district and Padawiya tank in Anuradhapura district	Ganegoda et al., 2019b	Abstract/ Investigation of ability of native cyanobacteria to produce Geosmin and 2- MIB
***508. **Oscillatoria* sp.**	Oscillatoriaceae		Jayanthi wewa, Kondawatuwana tank, Unnichchai tank, Nachchadoowa wewa, Kala wewa, Nallachchiya wewa, Thuruwila wewa, Tissa wewa, Nuwara wewa, and Parakrama Samudraya	Ganegoda et al., 2019c	Research article/ Geosmin contamination in raw and treated water

***509. **Oscillatoria* sp.**	Oscillatoriaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***510. **Oscillatoria* sp.**	Oscillatoriaceae		Salt pans of Hambanthota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***511. **Oscillatoria* sp.**	Oscillatoriaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***512. **Oscillatoria* sp.**	Oscillatoriaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
513. **Oscillatoria* sp./ *Planktothrix	Oscillatoriaceae		Bandagiriya, Chandrikawewa, Kandy Lake, Kotmale, Labugama, Lunugamwehera, Randenigala, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, Victoria and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
514. **Oscillatoria* sp. *(KM38)	Oscillatoriaceae		Mid-canal of Kandy lake (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River in Gatambe, Peradeniya.)	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
515. *Oscillatoria* sp. *(YRS19)	Oscillatoriaceae		Soil, Yala, Patalangala lake floor	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***516. **Oscillatoria* spp.**	Oscillatoriaceae		Reservoirs in dry, intermediate and wet zones	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
***517. **Oscillatoria* spp.**	Oscillatoriaceae		Hot water springs in Dry zone	Piyathilaka et al., 2015	Conference paper/ Molecular screening of selected water bodies for Microcystin producing genotypes
***518. **Oscillatoria* spp.**	Oscillatoriaceae		Lunugamwehera reservoir	Gunawardane et al., 2020	Conference paper/ Spatial variation of cyanobacterial diversity in the Lunugamwehera reservoir along with trophic status
519. ** Oscillatoriales		6°10'3.034"N and 82°40'55.812"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems

520. *Oscillatoriales cyanobacterium (D3a)			Water sample collected from tsunami affected area, Nonagama, Hambantota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
521. *Oscillatoriales cyanobacterium (H6)			Mahapelessa hot spring	Wanigatunge et al., 2014	do
522. *Oscillatoriales cyanobacterium (W2)			Nalanda reservoir	Wanigatunge et al., 2014	do
523. *Oscillatoriales cyanobacterium (WK3)			Surface water from Kala Wewa	Wanigatunge et al., 2014	do
524. *Oscillatoriales cyanobacterium (YRS5)			Soil, Yala National Park	Wanigatunge et al., 2014	do
525. *Oscillatoriales sp. (DL55)			Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
526. *Oscillatoriales sp. (PK40)			Freshwater bodies	Hossain et al., 2020a; Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability; Value-added potential of freshwater cyanobacteria
527. **Pannus spumosus	Microcystaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
528. *Phormidium animale (GK12)	Oscillatoriaceae	7°34′42″N, 81°3′49″E	Henanigala reservoir	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***529. **Phormidium* sp.**	Oscillatoriaceae		Chandrikawewa, Kandy Lake, Kotmale, Lunugamwehera, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***530. **Phormidium* sp.**	Oscillatoriaceae		Wahawa, Madunagala, Maha Oya and Kapurella geothermal springs	Madushani et al., 2021	Abstract/ Correlation of cyanobacteria and green microalgae richness with physiochemical parameters in geothermal springs
***531. **Phormidium* sp.**	Oscillatoriaceae		Freshwater ponds in Jaffna	Thurairajah et al., 2018	Abstract/Potential of freshwater cyanobacteria in nitrate reduction
***532. #**Phormidium* sp.**	Oscillatoriaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria

***533. **Phormidium* sp.**	Oscillatoriaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Abstract/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***534. **Phormidium* sp.**	Oscillatoriaceae		Freshwater bodies in dry and wet zones	Hossain et al., 2017; Hossain et al., 2020a; Hossain et al., 2020b	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries Novel species with their value-added potential and toxin producing capability; Identification and culturing of cyanobacteria for biodiesel production
***535. **Phormidium* sp.**	Oscillatoriaceae		Subaerial habitat	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***536. **Phormidium* sp.**	Oscillatoriaceae		Rice fields of Sri Lanka and Hambanthota salt pans	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***537. **Phormidium* sp.**	Oscillatoriaceae		Freshwater bodies of intermediate zone	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
538. *Phormidium* sp. *(B2)	Oscillatoriaceae		Hambantota Lagoon sludge	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
539. *Phormidium* sp. *(B4)	Oscillatoriaceae		Sea weeds in Hambantota beach	Wanigatunge et al., 2014	do
540. *Phormidium* sp. *(GH2)	Oscillatoriaceae	7°34′42″N, 81°3′49″E	Henanigala reservoir	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
541. *Phormidium* sp. *(HM10)	Oscillatoriaceae		Well water	Liyanage et al., 2016a	do
542. *Phormidium* sp. *(AW2)	Oscillatoriaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
543. *Phormidium* sp. *(KL27)	Oscillatoriaceae		Freshwater bodies	Hossain et al., 2020a	do

544. **Phormidium* sp. *(KM5)	Oscillatoriaceae	7°18′N and 80° 38′E	Kandy Lake and its mid-canal (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River mid-canal (starts from Kandy Lake, flows through the city, and converges with the Mahaweli River	Lakmali et al., 2022	Research article/ Isolation and analyzing species from polluted water bodies for Pb (II) bioremediation potential
545. *Phormidium* sp. *(KW7)	Oscillatoriaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
546. *Phormidium* sp. *(YRS7)	Oscillatoriaceae		Soil, Yala National Park	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***547. **Placoma* sp.**	Entophysalidaceae		Matara, Ambalangodda, Bentotta and Trincomalie	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
548. **Planktolyngbya circumereta	Leptolyngbyaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
549. **Planktolyngbya circumcreta	Leptolyngbyaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
550. **Planktolyngbya limnetica	Leptolyngbyaceae		Reservoirs	Silva et al., 2013	do
***551. **Planktolyngbya* sp.**	Leptolyngbyaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Abstract/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***552. **Planktolyngbya* sp.**	Leptolyngbyaceae		Giritale reservoir	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
***553. Planktolyngbya* sp.**	Leptolyngbyaceae		Padawiya tank	Perera et al., 2011	Conference paper/ Limnology and cyanobacterial species composition of Padawiya tank during the dry season
***554. **Planktolyngbya* sp.**	Leptolyngbyaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability

***555. **Planktolyngbya* sp.**	Leptolyngbyaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***556. **Planktolyngbya* sp.**	Leptolyngbyaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***557. **Planktothrix* sp.**	Microcoleaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
***558. **Planktothrix* sp.**	Microcoleaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; / Novel species with their value-added potential and toxin producing capability
***559. #**Planktothrix* sp.**	Microcoleaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***560. **Plectonema* sp.**	Oscillatoriaceae		Reservoirs in wet zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***561. #**Plectonema* sp.**	Oscillatoriaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***562. **Plectonema* sp.**	Oscillatoriaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***563. **Plectonema* sp.**	Oscillatoriaceae		Freshwater bodies of intermediate zone	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
564. *Plectonema* sp. *(AG4)	Oscillatoriaceae		Soil sample with algae, Aluthgama	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
565. *Plectonema* sp. *(KT57)	Oscillatoriaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
566. *Plectonema* sp. *(YRS3)	Oscillatoriaceae		Sea sand, Yala National Park, Patanangala, beach	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
567. *Plectonema* sp. *(YRS12)	Oscillatoriaceae		Sea weeds, Yala National Park, Patanangala beach	Wanigatunge et al., 2014	do
568. **Pseudanabaena galeata	Pseudanabaenaceae	7^0 55'N and 81^0 E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition

569. **Pseudanabaena galeata	Pseudanabaenaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
570. **Pseudanabaena galeata	Pseudanabaenaceae		Reservoirs	Silva et al., 2013	Research article/ Species composition and relative dominance
571. **Pseudanabaena limnetica	Pseudanabaenaceae		Reservoirs in dry zone	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs
572. #**Pseudanabaena limnetica	Pseudanabaenaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***573. **Pseudanabaena* sp. I**	Pseudanabaenaceae	8°55'25.253"N and 79°55'20.371"E	Salt marshes, salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***574. **Pseudanabaena* sp. II**	Pseudanabaenaceae	8°59'24.359"N and 80°44'35.512"E	Hot water springs	Bowange et al., 2022	do
***575. **Pseudanabaena* sp.**	Pseudanabaenaceae		Ambewela, Pimburettewa, Kande-Ela reservoirs	Silva & Wijeyaratne, 1999	Research article/ Occurrence in the reservoirs of Mahaweli river basin
***576. *Pseudanabaena* sp.**	Pseudanabaenaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***577. **Pseudanabaena* sp.**	Pseudanabaenaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***578. **Pseudanabaena* sp.**	Pseudanabaenaceae		Labugama, Lunugamwehera, Randenigala, Rantambe, Ridiyagama, Situlpawwa, Tissawewa, Udawalawe, Ulhitiya, Victoria and Weerawila	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***579. **Pseudanabaena* sp.**	Pseudanabaenaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***580. **Pseudanabaena* sp.**	Pseudanabaenaceae		Rice fields	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***581. Pseudanabaena* sp.**	Pseudanabaenaceae		Padawiya tank	Perera et al., 2011	Conference paper/ Limnology and cyanobacterial species composition of Padawiya tank during the dry season
***582. **Pseudanabaena* sp.**	Pseudanabaenaceae		Surface water, Gregory Lake	Magana-Arachchi et al., 2011	Research article/Molecular characterization and microcystin producing ability

***583. **Pseudanabaena* sp.**	Pseudanabaenaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2017; Hossain et al., 2020a	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability
***584. **Pseudanabaena* sp.**	Pseudanabaenaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***585. **Pseudanabaena* sp.**	Pseudanabaenaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al., 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***586. *Pseudanabaena* sp.**	Pseudanabaenaceae		Unnichchi tank in Baticolloa district, Jayanthi tank in Ampara district and Padawiya tank in Anuradhapura district	Ganegoda et al., 2019b	Abstract/ Investigation of ability of native cyanobacteria to produce Geosmin and 2- MIB
587. *Pseudanabaena* sp. *(H5a)	Pseudanabaenaceae		Mahapelessa hot spring	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
588. *Pseudanabaena* sp. *(H5b)	Pseudanabaenaceae		Mahapelessa hot spring	Wanigatunge et al., 2014	do
589. *Pseudanabaena* sp. *(M12)	Pseudanabaenaceae		Maha Induruwa fresh water sample mixed with tsunami waves	Wanigatunge et al., 2014	do
590. *Pseudanabaena* sp. *(na3)	Pseudanabaenaceae		Lake Gregory	Wanigatunge et al., 2014	do
***591. #**Pseudanabaena* sp.**	Pseudanabaenaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
592. *Pseudanabaenaceae cyanobacterium (4J4)	Pseudanabaenaceae		Soil, Yala, Patalangala	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***593. **Radaisia* sp.**	Pleurocapsaceae		Matara, Ambalangodda, Bentotta and Trincomalie	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
594. *Radiocystis* sp. *(A2)	Microcystaceae	8°21′0″N, 80°25′0″E	Nuwara wewa	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers

595. **Raphidiopsis curvata	Aphanizomenonaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper /Impact of seasons on water quality and plankton dynamics
596. *Raphidiopsis curvata (AJ1)	Aphanizomenonaceae		Jaya ganga	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***597. #**Raphidiopsis* sp.**	Aphanizomenonaceae	7°28'10"N, 81°0'54"	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***598. **Rivularia* sp.**	Rivulariaceae		Rock pools in Dambulla, Habarane and in the northern half of Ceylon	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***599. **Rivularia* sp.**	Rivulariaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper / Impact of seasons on water quality and plankton dynamics
***600. **Schizothrix* sp.**	Schizotrichaceae		Subaerial habitat	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***601. **Schizothrix* sp.**	Schizotrichaceae		Salt pans of Hambanthota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***602. **Scytonema* sp.**	Scytonemataceae		Subaerial habitat and hot springs in Kannia	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***603. **Scytonema* sp.**	Scytonemataceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***604. #**Scytonema* sp.**	Scytonemataceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
605. **Scytonema tolypotrichoides	Scytonemataceae		Tank Madokotaikulam near Vavoniya and tank Karambewawewa near Anuradhapura	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***606. **Snowella* sp.**	Coelosphaeriaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
607. **Spirulina major	Spirulinaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
608. **Spirulina princeps	Spirulinaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	do
***609. #Spirulina* sp.**	Spirulinaceae		Beira lake	Hirimburegama, 1998	Proceedings/ Cyanobacteria in the Beira Lake

***610. #**Spirulina* sp.**	Spirulinaceae		Unnichai tank, Sagamam tank	Kulasooriya, 2017	Review article/ Toxin producing freshwater cyanobacteria
***611. **Spirulina* sp.**	Spirulinaceae	7°1'9.939"N and 81°48'1.563"E	Salt marshes, salt pans (Mannar and Mannar South bar) and mangroves (Mannar region)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***612. **Spirulina* sp.**	Spirulinaceae		Sri Lankan reservoirs	Senanayake & Yatigammana, 2017	Research article/ Quantitative observations of cyanobacteria
***613. **Spirulina* sp.**	Spirulinaceae		Beira lake	Nahallage & Piyasiri, 1998	Research article/ Trophic status of the Beira Lake
***614. **Spirulina* sp.**	Spirulinaceae		Colombo lake and Situlpawwa	Jayatissa et al., 2006	Research article/ Occurrence of toxigenic blooms in 17 freshwater reservoirs
***615. **Spirulina* sp.**	Spirulinaceae	6°56'N & 79"51 ' E	Beira lake	Magana-Arachchi et al., 2008	Short communication/ PCR assay for the detection of toxic cyanobacteria in lake Beira
***616. **Spirulina* sp.**	Spirulinaceae		Nuwarawewa	Ariyawansa et al., 2012	Conference paper/ Phytoplankton and other physiochemical parameters
***617. **Spirulina* sp.**	Spirulinaceae		Intermediate Zone Reservoirs	Hossain et al., 2017	Research article/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries
***618. Spirulina* sp.**	Spirulinaceae		Beira Lake	Imanthi et al., 2019	Abstract / Development of a third-generation biofuel source using cyanobacteria and landfill leachate
***619. **Spirulina* sp.**	Spirulinaceae		Kandy Lake, Minneriya, Victoria, Udawalawe, and an urban lake in Colombo	Silva, 2007	Research article/ Functional species and key variables for shaping their composition along with ecosystems heterogeneity
***620. Spirulina* sp.**	Spirulinaceae		Wet zone & dry zone fresh water bodies	Hossain et al., 2021	Research article/ The total phenolic content (TPC), total flavonoid content (TFC), antioxidant activity, phycobiliproteins (PBPs), and active compounds in four cyanobacterial species, *Oscillatoria* **sp.**, *Lyngbya* **sp.**, *Microcystis* **sp.**, and *Spirulina* **sp.** isolated from fresh water bodies of Sri Lanka.
***621. **Spirulina* sp.**	Spirulinaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection
***622. **Spirulina* sp.**	Spirulinaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***623. **Spirulina* sp.**	Spirulinaceae	7^{0} 55'N and 81^{0} E	Parakrama Samudra	Rott, 1983	Research article/ Phytoplankton species composition
***624. **Spirulina* spp.**	Spirulinaceae		Reservoirs in dry and intermediate zone	Senanayake et al., 2021	Research article/ Dominance of cyanobacteria and dinoflagellata in reservoirs

625. **Spirulina subsalsa	Spirulinaceae	7°58′N and 81°29′E to 7°20′N and 81°52′E	Batticaloa lagoon	Harris et al., 2016	Research article/ Spatial and temporal distribution
***626. *Stigonema* sp.**	Stigonemataceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference papers/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***627. **Stigonema* sp.**	Stigonemataceae		Subaerial habitat and tree trunks at higher altitudes	Fritsch, 1907	Research article / Subaerial and inland freshwater algae
***628. #**Stigonema* sp.**	Stigonemataceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***629. **Symploca* sp.**	Microcoleaceae		Subaerial habitat	Fritsch, 1907	do
***630. **Synechococcus* sp.**	Synechococcaceae	8°58'58.669"N and 79°59'58.411"E	Salt marshes and salt pans (Mannar and Mannar South bar)	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***631. *Synechococcus* sp.**	Synechococcaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Balasooriya et al., 2017	Conference paper/ Morphological and molecular identification
***632. **Synechococcus* sp.**	Synechococcaceae		Maha Oya hot water spring	Medhavi et al., 2018	Conference paper/ Isolation and identification of thermophilic species
***633. **Synechococcus* sp.**	Synechococcaceae		Bottom of the water column, Gregory Lake	Magana-Arachchi et al., 2011	Research article/Molecular characterization and microcystin producing ability
***634. #**Synechococcus* sp.**	Synechococcaceae	7°28’10”N, 81°0’54”	Well waters from Girandurukotte Kandy, Galle, Ratnapura and Monaragala districts	Madhushankha et al., 2016; Liyanage et al., 2016b	Research article/ Cyanobacteria and cyanotoxins in CKDu endemic area; Toxicology of freshwater cyanobacteria
***635. **Synechococcus* sp.**	Synechococcaceae		Water bodies in Dry zone (Ariyakulam, Nelumwewa, Muthuvinayakasam, Kannaththiddikulam, Balaluwewa and Ibbankatuwa), intermediate zone (Kurunegala, kandy), and wet zone (Ambewela, Gregory)	Malika et al., 2018; Malika et al. 2019	Conference paper/ Potential of freshwater cyanobacteria as a food supplement; Analysis of heavy metals in nutrient rich freshwater cyanobacteria
***636. **Synechococcus* sp.**	Synechococcaceae		Paddy fields in Kurunegala, Matale, Anuradhapura, and Polonnaruwa	Amarawansa et al., 2018	Research article/ Development of a culture collection

637. *****Synechococcus*** **sp.**	Synechococcaceae		Salt pans of Hambanthota	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
638. *****Synechococcus*** **sp.**	Synechococcaceae		Freshwater bodies of dry, wet and intermediate zones	Hossain et al., 2017; Hossain et al., 2020a; Hossain et al., 2020b	Research articles/ Isolation, culturing and identification of cyanobacteria for bio-fuel production and other industries; Novel species with their value-added potential and toxin producing capability; Identification and culturing of cyanobacteria for biodiesel production
639. ****Synechococcus*** **sp. *(GK9)***	Synechococcaceae		Well water	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
640. ****Synechococcus*** **sp. *(KT10)***	Synechococcaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
641. ****Synechococcus*** **sp. *(KW3)***	Synechococcaceae		Kalawewa	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
642. ****Synechococcus*** **sp. *(KW4)***	Synechococcaceae		Surface water, Kalawewa	Wanigatunge et al., 2014	do
643. ****Synechococcus*** **sp. *(KW6)***	Synechococcaceae		Surface water, Kalawewa	Wanigatunge et al., 2014	do
644. ****Synechococcus*** **sp. *(KW7a)***	Synechococcaceae		Surface water, Kalawewa	Wanigatunge et al., 2014	do
645. ****Synechococcus*** **sp. *(N2b)***	Synechococcaceae		Lake Gregory	Wanigatunge et al., 2014	do
646. ****Synechococcus*** **sp. *(na5)***	Synechococcaceae		Lake Gregory	Wanigatunge et al., 2014	do
647. ****Synechococcus*** **sp. *(WW38)***	Synechococcaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
648. *****Synechocystis*** **sp.**	Merismopediaceae		Lake Gregory	Magana-Arachchi et al., 2011	Research article/Molecular characterization and microcystin producing ability
649. *****Synechocystis*** **sp.**	Merismopediaceae	6° 57′ 35.05″ - 6° 57′ 08.04″ N and 80° 46′ 29.18″ – 80° 6′ 46.71″ E	Lake Gregory	Perera et al., 2012	Conference paper/ Impact of seasons on water quality and plankton dynamics
650. *****Synechocystis*** **sp.**	Merismopediaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
651. *****Synechocystis*** **sp.**	Merismopediaceae		Freshwater reservoirs in Dry zone	Hossain et al., 2020b	Research article/Identification and culturing of cyanobacteria for biodiesel production
652. ****Synechocystis*** **sp. *(GL12)***	Merismopediaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
653. ****Synechocystis*** **sp. *(N14)***	Merismopediaceae		Lake Gregory	Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
654. ****Synechocystis*** **sp. *(MW42)***	Merismopediaceae		Freshwater bodies	Hossain et al., 2020a, Bowange et al., 2023	Research articles/ Novel species with their value-added potential and toxin producing capability; Value-added potential of freshwater cyanobacteria
655. *****Tolypothrix*** **sp.**	Tolypothrichaceae		Subaerial habitats	Fritsch, 1907	Research article / Subaerial and inland freshwater algae

***656. #**Tolypothrix* sp.**	Tolypothrichaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***657. **Tolypothrix* sp.**	Tolypothrichaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
658. *Tolypothrix* sp. *(HM3)	Tolypothrichaceae		Well water	Liyanage et al., 2016a	Research article/ Genetic divergence and phylogenetic relationships and identification of toxin producers
***659. *Trichodesmium* sp.**	Microcoleaceae	7°31'27.02"N, 80°26'57.08"E	Rice fields RRDI in Bathalagoda	Tharindi et al., 2016; Balasooriya et al., 2017	Conference paper/ Isolation and identification of cyanobacteria using culture-based and molecular techniques; Morphological and molecular identification
***660. #**Trichodesmium* sp.**	Microcoleaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
***661. **Trichodesmium* sp.**	Microcoleaceae		Colombo, Beruwala and Mirissa	Jayasiri, 2023	Research article/ Surface phytoplankton assemblages and physicochemical parameters
662. #** Trichodesmium erythraeum	Microcoleaceae	9°49'1.92"N, 80°02'45.6"E	Kankesanthurai coast, Northern Sri Lanka	Kuganathan et al., 2023	Research article/ First record of *Trichodesmium Erythraeum,* in northern Sri Lanka
663. #** Trichodesmium thiebautii	Microcoleaceae	9°49'1.92"N, 80°02'45.6"E	Kankesanthurai coast, Northern Sri Lanka	Kuganathan et al., 2023	do
664. *Westiellopsis prolifica (KL58)	Hapalosiphonaceae		Freshwater bodies	Hossain et al., 2020a	Research article/ Novel species with their value-added potential and toxin producing capability
***665. **Westiellopsis* sp.**	Hapalosiphonaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
***666. #**Westiellopsis* sp.**	Hapalosiphonaceae		Well waters collected from CKDu, CKD areas	Liyanage et al., 2016b	Research article/Toxicology of freshwater cyanobacteria
667. **Wilmottia/ Phormidium	Coleofasciculaceae/ Oscillatoriaceae	6°15'13.076"N and 80°58'54.293"E	Hot water springs	Bowange et al., 2022	Research article/ Morphological characterization of culturable cyanobacteria from extreme ecosystems
***668. **Xenococcus* sp.**	Xenococcaceae			Wanigatunge et al., 2014	Research article/ Genetic diversity and molecular phylogeny
669. *Xenococcus* sp. *(K12)	Xenococcaceae		Beach soil, Kirinda	Wanigatunge et al., 2014	do
670. *Xenococcus* sp. *(PFB-A1)	Xenococcaceae		Soil, Elpitiya paddy field	Wanigatunge et al., 2014	do
671. *Xenococcus* sp. *(SMiS5s)	Xenococcaceae		Soil, Matara	Wanigatunge et al., 2014	do

[#] Cyanobacteria species reported with toxin production; [*] Cyanobacteria species reported with molecular identification; [**] Cyanobacteria species reported with morphological identification; Available culture or isolate numbers are given within brackets in column 1. The same cyanobacteria species recorded in different studies were recorded as separate entries.