

8 REFERENCES

1. Abdar, M. R. (2013). Physico-chemical characteristics and phytoplankton of Morna Lake, Shirala (MS) India. *International Quarterly Journal of Biology Life Sciences*, 1(2), 1-7.
2. Acharyya, T., Sarma, V. V. S. S., Sridevi, B., Venkataramana, V., Bharathi, M. D., Naidu, S. A., & Kumar, M. D. (2012). Reduced river discharge intensifies phytoplankton bloom in Godavari estuary, India. *Marine Chemistry*, 132, 15-22.
3. Agarwal, A. K., & Rajwar, G. S. (2010). Physico-chemical and microbiological study of Tehri dam reservoir, Garhwal Himalaya, India. *Journal of American Science*, 6(6), 65-71.
4. Ali, S., Ripley, S. D., & Dick, J. H. (1995). *A pictorial guide to the birds of the Indian subcontinent*. Oxford University Press.
5. American Public Health Association, (1995). *Standard methods for the examination of water and wastewater* (Vol. 21). Washington, DC: American public health association.
6. Atreya, K., Sharma, S., Bajracharya, R.M., & Rajbhandari, N.P. (2008). Developing a sustainable agro-system for central Nepal using reduced tillage and straw mulching. *Journal of Environmental Management*, 88, 547-555.
7. Balachandran, S. (2012). Avian diversity in coastal wetlands of India and their conservation needs. *Uttar Pradesh State Biodiversity Board*, 155-163.
8. Barko, J. W., & James, W. F. (1998). Effects of submerged aquatic macrophytes on nutrient dynamics, sedimentation, and resuspension. In *The structuring role of submerged macrophytes in lakes* (pp. 197-214). Springer, New York, NY.
9. Barko, J. W., & Smart, R. M. (1986). Sediment-related mechanisms of growth limitation in submersed macrophytes. *Ecology*, 67(5), 1328-1340.
10. Bates, M. H., & Neafus, N. J. E. (1980). Phosphorus release from sediments from lake Carl Blackwell, Oklahoma. *Water research*, 14(10), 1477-1481.
11. Bedge, U.S. & Verma, A.K. (1985). Limnological studies on J.N.U. lake, New Delhi, India. *Bulletin of Botanical Society of Sagar*, 32, 16-23.

12. Bergström, A. K., Blomqvist, P., & Jansson, M. (2005). Effects of atmospheric nitrogen deposition on nutrient limitation and phytoplankton biomass in unproductive Swedish lakes. *Limnology and Oceanography*, 50(3), 987-994.
13. Bhat, N. A., Wanganeo, A., Raina, R., Dar, J. A., & Naik, A. A. (2012). Phytoplankton diversity in relation to physicochemical characteristics of upper basin (Bhoj Wetland), Bhopal, India. *Current Biotica*, 6(3), 320-333.
14. Bhat, P. I., & Hosetti, B. B. (2009). Avifaunal diversity of Anekere wetland, Karkala, Udupi district, Karnataka, India. *Journal of Environmental Biology*, 30(6), 1059-1062.
15. Bhatt, L.R., Lacoul, P., Lekhar, H.D. & Jha, P.K. (1999). Physico-chemical characteristics and phytoplanktons of Taudaha lake, Kathmandu. *Pollution Research*, 18(4), 353-358.
16. Brezonik, P. L., & Fulkerson-Brekken, J. (1998). Nitrate-induced photolysis in natural waters: controls on concentrations of hydroxyl radical photo-intermediates by natural scavenging agents. *Environmental Science & Technology*, 32(19), 3004-3010.
17. Britton, L. J., & Greeson, P. E. (1978). Methods for collection and analysis of aquatic biological and microbiological samples. *Transactions of the American Entomological Society*, 75, 133-270.
18. Carpenter, S.R., Caraco, N.F., Correll, D.L., Howarth, R.W., Sharpley, A.N., & Smith, V.H. (1998). Nonpoint pollution of surface waters with phosphorus and nitrogen. *Ecological Applications*, 8, 559-568.
19. Cârstea, E. M., Ghervase, L., Pavelescu, G., & Ioja, C. I. (2012). Correlation of dissolved organic matter fluorescence and several metals concentration in a freshwater system. *Procedia Environmental Sciences*, 14, 41-48.
20. Census of India Report, 2011.
21. Chatterjee, A., Ghoshal, S., & Chakrabarti, P. (2015). Diversity of early winter migrants and resident birds in an important Ramsar site: Nal Sarovar, Gujarat, India. *International Journal of Environmental Sciences*, 6(2), 187.

22. Chavda, C. S. (2013). Study of Plankton and Physicochemical Properties of Pariej and Kanewal Wetlands of Central Gujarat. (*Ph.D. Thesis*). Shri Jagdish Prasad Jhabarmal Tibrewala University, Vidyanagari, Jhunjhunu, Rajasthan – 333001.
23. Cheng, J., Landesman, L., Bergmann, B. A., Classen, J. J., Howard, J. W., & Yamamoto, Y. T. (2002). Nutrient removal from swine lagoon liquid by *Lemna minor* 8627. *Transactions of the ASAE*, 45(4), 1003.
24. Chopra, R., Verma, V. K., & Sharma, P. K. (2001). Mapping, monitoring and conservation of Harike wetland ecosystem, Punjab, India, through remote sensing. *International Journal of Remote Sensing*, 22(1), 89-98.
25. Christophoridis, C., & Fytianos, K. (2006). Conditions affecting the release of phosphorus from surface lake sediments. *Journal of Environmental Quality*, 35(4), 1181-1192.
26. Collins, A., Joseph, D., & Bielaczyc, K. (2004). Design research: Theoretical and methodological issues. *The Journal of the learning sciences*, 13(1), 15-42.
27. Cottingham, K. L. & Carpenter, S. R. (1998). Population, community, and ecosystem variates as ecological indicators: phytoplankton responses to whole-lake enrichment. *Ecological Applications*, 8, 508–530.
28. Dallas, H. & Day, J. (2004). The Effect of Water Quality Variables on Aquatic Ecosystems: A Review. WRC Technical Report No. 224/04, *Water Research Commission, Pretoria, South Africa*.
29. Datta, T. (2011). Human interference and avifaunal diversity of two wetlands of Jalpaiguri, West Bengal, India. *Journal of Threatened Taxa*, 2253-2262.
30. De, A. K. (2010). Environmental chemistry 7th edn. New Age International Publications, New Delhi.
31. DeLuca, W. V., Studds, C. E., Rockwood, L. L., & Marra, P. P. (2004). Influence of land use on the integrity of marsh bird communities of Chesapeake Bay, USA. *Wetlands*, 24(4), 837-847.
32. Desai, S., Dhargalkar, V. K., Ingole, B. S., & Kavlekar, D. (2004). Phytoplankton identification manual. *National Institute of Oceanography, Dona Paula, Goa, India*.

33. Deshkar, S. L. (2008). Avifaunal Diversity and Ecology of wetlands in semi arid zone of central Gujarat with reference to their conservation and categorization. (Ph.D. Thesis) Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.
34. Dhote, S., & Dixit, S. (2007). Role of macrophytes in improving water quality of an aquatic ecosystem. *Journal of Applied Sciences and Environmental Management*, 11(4), 131-135.
35. Dhote, S., & Dixit, S. (2007). Water quality improvement through macrophytes: a case study. *Asian Journal of Experimental Sciences*, 21(2), 427-430.
36. Dixit, S., Gupta, S. K., & Tiwari, S. (2005). Nutrient overloading of fresh water lake of Bhopal, India. *Electronic Green Journal*, 1(21).
37. Drabkova, M. (2007). Methods for control of the cyanobacterial blooms development in lakes. *Masaryk University: Research Centre for Environmental Chemistry and Ecotoxicology. Brno, Czech Republic*.
38. Durbin, A. G., & Durbin, E. G. (1981). Standing stock and estimated production rates of phytoplankton and zooplankton in Narragansett Bay, Rhode Island. *Estuaries*, 4(1), 24-41.
39. Eberhardt, L. L., & Thomas, J. M. (1991). Designing environmental field studies. *Ecological Monographs*, 61(1), 53-73.
40. Edmondson, W. T., & Lehman, J. T. (1981). The effect of changes in the nutrient income on the condition of Lake Washington. *Limnology and Oceanography*, 26(1), 1-29.
41. El-Monem, A. M. A. (2008). Impact of summer thermal stratification on depth profile of phytoplankton productivity, biomass, density and photosynthetic capacity in Lake Nasser (Egypt). *Jordan Journal of Biological Sciences*, 1(4).
42. Farshad, H., & Venkataramana, G. V. (2012). Impact of physico-chemical parameters of water on zooplankton diversity in Nanjangud industrial area, India. *International Journal of Environmental Research Science*, 1, 37-42.
43. Fillos, J., & Swanson, W. R. (1975). The release rate of nutrients from river and lake sediments. *Journal (Water Pollution Control Federation)*, 1032-1042.

44. Forsberg, C. (1989). Importance of sediments in understanding nutrient cyclings in lakes. *Hydrobiologia*, 176(1), 263-277.
45. Gajera, N. B., Mahato, A. K. R., & Vijay Kumar, V. (2012). Wetland birds of arid region-a study on their diversity and distribution pattern in kachchh. *Columban Journal of Life Science*, 13(1&2), 47-51.
46. Gandhi, N. (2013). Study of terrestrial birds with special reference to insects as their food base around three reservoirs in Central Gujarat. (*Doctoral dissertation*).
47. Gerloff, G. C., & Skoog, F. (1957). Nitrogen as a limiting factor for the growth of *Microcystis aeruginosa* in southern Wisconsin lakes. *Ecology*, 38(4), 556-561.
48. Glibert, P. M. (2012). Ecological stoichiometry and its implications for aquatic ecosystem sustainability. *Current Opinion in Environmental Sustainability*, 4(3), 272-277.
49. Glibert, P. M., Kana, T. M., & Brown, K. (2013). From limitation to excess: the consequences of substrate excess and stoichiometry for phytoplankton physiology, trophodynamics and biogeochemistry, and the implications for modeling. *Journal of Marine Systems*, 125, 14-28.
50. Gopal, B. (1991). Wetland (mis) management by keeping people out: two examples from India. *Landscape and Urban Planning*, 20(1-3), 53-59.
51. Gopal, B., & Zutshi, D. P. (1998). Fifty years of hydrobiological research in India. *Hydrobiologia*, 384(1-3), 267-290.
52. Goswami, A. P., & Mankodi, P. C. (2012). Hydrography of the Fresh Water Reservoir Nyari-II Of Rajkot District, Gujarat. *Electronic Journal of Environmental Sciences*, 5, 1-5.
53. Goswami, A. P., & Mankodi, P. C. (2012). Study on Zooplankton of Fresh Water Reservoir Nyari-II Rajkot district, Gujarat, India. *ISCA Journal of Biological Sciences*, 1(1), 30-34.
54. Grimmett, R., Inskipp, C., & Inskipp, T. (2013). Birds of the Indian Subcontinent: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh and the Maldives. *Bloomsbury Publishing*.

55. Hannan, H. (1979). Chemical modification in reservoir regulated streams. In: The Ecology of Regulated Streams (eds.) Ward, J.W. & Stanford, J.A. Plenum Corporation Publication, 75-94.
56. Harisha, M. N. (2016). Assessment of status, diversity and threats of wetland birds of Bathi Lake, Doddabathi Village, Davanagere District, Karnataka, India. *Journal of Entomology and Zoology Studies*, 4(4), 586-590.
57. Heron, J. (1961). The seasonal variation of phosphate, silicate, and nitrate in waters of the English Lake District. *Limnology and Oceanography*, 6(3), 338-346.
58. Hutchinson, G.E. (1957). A Treatise on Limnology, Vol. I & II, John Wiley and Sons, Inc., New York.
59. Imai, H., Chang, K. H., & Nakano, S. I. (2009). Growth responses of harmful algal species *Microcystis* (Cyanophyceae) under various environmental conditions. *Interdisciplinary Studies on Environmental Chemistry—Environmental Research in Asia*, 269-275.
60. IMD: Data source: Customized Rainfall Information System, IMD, retrieved from (<http://hydro.imd.gov.in/hydrometweb/DistrictRaifall.aspx>).
61. Ingole, S.B., Pawale, R.G., & Wavde, P.N. (2009). Water quality studies on Majalgaon dam. Deed district, Maharashtra. *Journal of Aquatic Biology*, 24(1), 71-76.
62. Irigoien, X., Huisman, J., & Harris, R. P. (2004). Global biodiversity patterns of marine phytoplankton and zooplankton. *Nature*, 429(6994), 863.
63. Jeppesen, E. (1998). The Ecology of Shallow Lakes-Trophic Interactions in the Pelagial: Doctor's dissertation. (DSc) (Doctoral dissertation, National Environmental Research Institute).
64. Jeppesen, E., Jensen, J. P., Kristensen, P., Søndergaard, M., Mortensen, E., Sortkjaer, O., & Olrik, K. (1990). Fish manipulation as a lake restoration tool in shallow, eutrophic, temperate lakes: threshold levels, long-term stability and conclusions. *Hydrobiologia*, 200(1), 219-227.
65. Jing, L., Peishi, Q., Yun, M., Hao, Z., & Bing, J. (2011). Metal stress on the phytoplankton community of the Zhalong wetland (China). *Procedia Environmental Sciences*, 10, 1967-1973.

66. Jones, B. F., & Bowser, C. J. (1978). The mineralogy and related chemistry of lake sediments. In *Lakes* (pp. 179-235). Springer, New York, NY.
67. Jumbe, A. S., & Nandini, N. (2009). Heavy metals analysis and sediment quality values in urban lakes. *American Journal of Environmental Sciences*, 5(6), 678.
68. Karia, J. P. (2012). Floral and Avifaunal Diversity of Thol Lake Wildlife (Bird) Sanctuary of Gujarat State, India. *Biodiversity Enrichment in a Diverse World*, 3-34.
69. Karia, J. P., Vachhrajani, K. D., & Pranav, P. (2013). Systematics of Plankton diversity in Thol Bird Sanctuary, inland wetlands, Gujarat. *Indian Forester*, 139(5), 435-439.
70. Kaushik, S., & Saxena, M.N. (1999). Physico-chemical limnology of certain water bodies of Central India. In: Daya VK (ed) *Freshwater ecosystems of India*. Publishing House, Delhi, pp 1-58.
71. Koladiya, M. H., Mahato, A. K. R., & Pardeshi, M. (2014). Status of Avi-fauna in Lakhara Wetland, Kachchh Biosphere Reserve, Gujarat, India. *Cibtech Journal of Zoology*, 3(1), 37-41.
72. Koladiya, M. H., Mahato, A. R., Gajera, N. B., & Patel, Y. S. (2014). Distribution pattern of birds in Banni Grassland of Kachchh district, Gujarat, India. *Journal of Research in Biology*, 4(1), 1228-1239.
73. Kothari, C. R. (2004). *Research methodology: Methods and techniques*. New Age International.
74. Kumar, J. N., & Oommen, C. (2009). Variations in Hydrochemical Characteristics of Two Distinct Wetlands of Central Gujarat, India. *Nature, Environment and Pollution Technology*, 8(2), 269-277.
75. Kumar, J. N., & Oommen, C. (2011). Phytoplankton composition in relation to hydrochemical properties of tropical community wetland, Kanewal, Gujarat, India. *Applied ecology and environmental research*, 9(3), 279-292.
76. Kumar, J. N., Soni, H., & Kumar, R. N. (2007). Patterns of seasonal abundance and diversity in the waterbird community of Nal Lake Bird Sanctuary, Gujarat, India. *Bird Populations*, 8, 1-20.
77. Kumar, J. N., Soni, H., Kumar, R. N., & Bhatt, I. (2008). Macrophytes in phytoremediation of heavy metal contaminated water and sediments in Pariyej

- Community Reserve, Gujarat, India. *Turkish Journal of Fisheries and Aquatic Sciences*, 8(2), 193-200.
78. Kumar, P., & Gupta, S. K. (2009). Diversity and abundance of wetland birds around Kurukshetra, India. *Our Nature*, 7(1), 212-217.
 79. Kumar, P., & Gupta, S. K. (2013). Status of wetland birds of Chhilchhila Wildlife Sanctuary, Haryana, India. *Journal of Threatened Taxa*, 3969-3976.
 80. Laskar, H. S., & Gupta, S. (2013). Phytoplankton community and limnology of Chatla floodplain wetland of Barak valley, Assam, North-East India. *Knowledge and Management of Aquatic Ecosystems*, 411, 06.
 81. Lund, J. W. G. (1972). Eutrophication. *Proceedings of the Royal Society of London. Series B. Biological Sciences*, 180(1061), 371-382.
 82. Maberly, S. C., King, L., Dent, M. M., Jones, R. I., & Gibson, C. E. (2002). Nutrient limitation of phytoplankton and periphyton growth in upland lakes. *Freshwater Biology*, 47(11), 2136-2152.
 83. Madhav, V. G., & Kondal Rao, B. (2004). Distribution of phytoplankton in the coastal waters of east coast of India. *Indian Journal of Marine Sciences*, 33(3), 262-268.
 84. Matisoff, G., Fisher, J. B., & McCall, P. L. (1981). Kinetics of nutrient and metal release from decomposing lake sediments. *Geochimica et Cosmochimica Acta*, 45(12), 2333-2347.
 85. McCauley, E., & Kalff, J. (1981). Empirical relationships between phytoplankton and zooplankton biomass in lakes. *Canadian Journal of Fisheries and Aquatic Sciences*, 38(4), 458-463.
 86. McGamble, A.M. (1953). Factors influencing the growth of phytoplankton. *Journal of the Fisheries Research Board of Canada*, 10, 253-282.
 87. Meriluoto, J., Codd, G., Reilly, M., Metcalf, J. S., Spoof, L., Sjövall, O., & Backlund, P. (2005). TOXIC: cyanobacterial monitoring and cyanotoxin analysis, Åbo Akademis Förlag – Åbo Akademi University Press, 65(1), 1 – 149.
 88. Morris, D. P., & Lewis Jr, W. M. (1988). Phytoplankton nutrient limitation in Colorado mountain lakes. *Freshwater Biology*, 20(3), 315-327.

89. Mullin, M. M., & Brooks, E. R. (1976). Some consequences of distributional heterogeneity of phytoplankton and zooplankton. *Limnology and Oceanography*, 21(6), 784-796.
90. Murrell, M. C., & Loes, E. M. (2004). Phytoplankton and zooplankton seasonal dynamics in a subtropical estuary: importance of cyanobacteria. *Journal of Plankton Research*, 26(3), 371-382.
91. Myers, M. D. (2006). National field manual for the collection of water-quality data. *US Geological Survey Techniques of Water Resources Investigation, Book, 9*.
92. Nathanson, J. A. (2011). Basic environmental technology, PHI Learning Private Limited, New Delhi.
93. Nędzarek, A., Tórz, A., & Kubiak, J. (2010). Oxygen conditions and trophic state of Lake Głębokie (Szczecin, Poland) in the years 2008-2010. *Limnological Review*, 10(3-4), 163-172.
94. Nirmal Kumar, J. I., Das, M., & Kumar, R. N. (2008). Temporal and spatial variations in hydro-chemical properties of a sewage fed wetland, Khodiyar, Gujarat, India. *The Ecoscan: An International Biannual Journal of Environmental Science*, 2(2), 195-201.
95. Nirmal Kumar, J. I., Kumar, R. N., & Bhatt, I. (2005). Study of Cultural Eutrophication in Relation to Plant Diversity of Wetland: Ratheshwar in Central Gujarat. *Aquatic Biodiversity in India: The Present Scenario*, 243.
96. Nirmal Kumar, J. I., Verma, Y., Kumar, R. N., & Das, M. (2011). Influence of water quality on composition and seasonal abundance of phytoplankton community in Thol wetland, Gujarat, India. *Nature, Environment and Pollution Technology*, 10(3), 399-404.
97. Ozengin, N., & Elmaci, A. (2007). Performance of Duckweed (*Lemna minor* L.) on different types of wastewater treatment. *Journal of Environmental Biology*, 28(2), 307-314.
98. Padmavathy, A., Alexandar, R., & Anbarashan, M. (2010). Diversity of birds in Ousteri wetland, Puducherry, India. *Our Nature*, 8(1), 247-253.

99. Pandya, P. J., & Padate, G. S. (2009). Urbanization influence on the status of Wetland and Avifauna: A Short Term Preliminary Study. *Electronic Journal of Environmental Sciences*, 2, 5-11.
100. Panigrahi, S., Wikner, J., Panigrahy, R. C., Satapathy, K. K., & Acharya, B. C. (2009). Variability of nutrients and phytoplankton biomass in a shallow brackish water ecosystem (Chilika Lagoon, India). *Limnology*, 10(2), 73-85.
101. Parikh A. N., & Mankodi, P. C. (2012). Limnology of Sama Pond, Vadodara City, Gujarat. *Research Journal of Recent Sciences*, 1(1), 16-21.
102. Parikh, A. N., & Mankodi, P. C. (2011). Water Quality Assessment of Harni Pond of Vadodara (Gujarat). *Electronic Journal of Environmental Sciences*, 4, 55-59.
103. Patel Chandani A. (2013) Inter-relationships of waders and Macroenthic assemblages with reference to abiotic variables in reservoirs of central Gujarat, India. (Ph.D. thesis) Submitted to The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India.
104. Patel, S. S., & VEDIYA, S. D. (2012). A studies of toxic metals in Sarkhej lake water, Ahmedabad, Gujarat, India. *International Journal of Pharmacy & Life Sciences*, 3(9) 198-86.
105. Patel, S., & Dharaiya, N. (2007). Marsh Bird Community Index of Biotic Integrity: A key to study an ecological condition of Wetlands. In *Proceedings of Taal 2007: The 12th World Lake Conference* (Vol. 558, pp. 561).
106. Pathak, N. B., & Mankodi, P. C. (2013). Hydrological status of Danteshwar pond, Vadodara, Gujarat, India. *International Research Journal of Environmental Sciences*, 2(1), 43-38.
107. Patil Shilpa, G., Chonde Sonal, G., Jadhav Aasawari, S., & Raut Prakash, D. (2012). Impact of physico-chemical characteristics of Shivaji University lakes on phytoplankton communities, Kolhapur, India. *Research Journal of Recent Sciences ISSN, 2277, 2502*.
108. Paulose, P. V., & Maheshwari, K. (2008). Seasonal Variation in Zooplankton Community Structure of Ramgarh. Lake, Jaipur, Rajasthan. In *Proceedings of Taal 2007, The 12th World Lake Conference* (pp. 82-87).

109. Pawar, P. R. (2011). Species diversity of birds in mangroves of Uran (Raigad), Navi Mumbai, Maharashtra, West coast of India. *Journal of Experimental Sciences*, 2(10), 73-77.
110. Pimentel, D. (2006). Soil erosion: A food and environmental threat. *Environment, Development and Sustainability*, 8, 119–137.
111. Prasad, K. K., Ramakrishna, B., Srinivasulu, C., & Srinivasulu, B. (2014). Avifaunal diversity of Manjeera Wildlife Sanctuary, Andhra Pradesh, India. *Journal of Threatened Taxa*, 6(2), 5464-5477.
112. Qin, B., Hu, W., Gao, G., Luo, L., & Zhang, J. (2004). Dynamics of sediment resuspension and the conceptual schema of nutrient release in the large shallow Lake Taihu, China. *Chinese Science Bulletin*, 49(1), 54-64.
113. Quinton, J.N., Govers, G., Van Oost, K., & Bardgett, R.D. (2010). The impact of agricultural soil erosion on biogeochemical cycling. *Nature Geoscience*, 3, 311–14.
114. Rajasekar, K.T., Peramal, P., & Santhanam, P. (2005). Phytoplankton diversity in the Coleroon estuary, Southeast coast of India. *Journal of the Marine Biological Association of India*, 47(2), 127-132.
115. Rajashekara, S., & Venkatesha, M. G. (2011). Community composition of aquatic birds in lakes of Bangalore, India. *Journal of environmental biology*, 32(1), 77-83.
116. Rajkumar, M., Perumal, P., Ashok Prabu, V., Vengadesh Perumal, N., & Thillai Rajasekar, K. (2009). Phytoplankton diversity in Pichavaram mangrove waters from south-east coast of India. *Journal of Environmental Biology*, 30(4), 489-498.
117. Randall, G. W., & Mulla, D. J. (2001). Nitrate nitrogen in surface waters as influenced by climatic conditions and agricultural practices. *Journal of Environmental Quality*, 30(2), 337-344.
118. Ranjan, G., Singh, N.P. & Singh, R.B. (2007). Physico-chemical characteristics of Ghariyarwa pond of Birganj, Nepal in relation to growth of phytoplankton. *Nature Environment and Pollution Technology*, 6(4), 629-632.
119. Rao, A. S., & Pillala, R. R. (2001). The concentration of pesticides in sediments from Kolleru Lake in India. *Pest Management Science: formerly Pesticide Science*, 57(7), 620-624.

120. Jitesh Krishnan R., (2008). Investigation of Hydro Biology and water quality parameters of Periyar lake, Thekkady Kerala, (Unpublished Doctoral thesis), Mahatma Gandhi University, Kerala.
121. Robson, B. J. (2014). State of the art in modelling of phosphorus in aquatic systems: review, criticisms and commentary. *Environmental Modelling & Software*, 61, 339-359.
122. Ross, J. & Gilbert, R. (1999). Lacustrine sedimentation in a monsoon environment: the record from Phewa Tal, middle mountain region of Nepal. *Geomorphology* 3(4), 307-323.
123. Roy, R., Pratihary, A., Mangesh, G., & Naqvi, S. W. A. (2006). Spatial variation of phytoplankton pigments along the southwest coast of India. *Estuarine, Coastal and Shelf Science*, 69(1-2), 189-195.
124. Safari, D., Mulongo, G., & Tumwesigye, W. (2012). Impact of Human Activities on the Quality of Water in Nyaruzinga Wetland of Bushenyi District-Uganda. International Science Congress Association.
125. Sahu, G., Satpathy, K. K., Mohanty, A. K., & Sarkar, S. K. (2012). Variations in community structure of phytoplankton in relation to physicochemical properties of coastal waters, southeast coast of India. *Indian Journal of Geo-Marine Sciences*, 41, 223-241.
126. Sandilyan, S. (2009). Habitat quality and waterbird utilization pattern of Pichavaram wetlands southern India. (Ph.D. Thesis). Department of Zoology, Bharathidasan University.
127. Santra, S. C. (2005). Environmental Science (For Students of Indian Universities). New Central Book Agency (P) Limited, Kolkata, West Bengal.
128. Scheffer, M., Van Geest, G. J., Zimmer, K., Jeppesen, E., S ndergaard, M., Butler, M. G., & De Meester, L. (2006). Small habitat size and isolation can promote species richness: second-order effects on biodiversity in shallow lakes and ponds. *Oikos*, 112(1), 227-231.
129. Schummer, M. L., Palframan, J., McNaughton, E., Barney, T., & Petrie, S. A. (2012). Comparisons of bird, aquatic macroinvertebrate, and plant communities among

- dredged ponds and natural wetland habitats at Long Point, Lake Erie, Ontario. *Wetlands*, 32(5), 945-953.
130. Selvam, A. P., Priya, S. L., Banerjee, K., Hariharan, G., Purvaja, R., & Ramesh, R. (2012). Heavy metal assessment using geochemical and statistical tools in the surface sediments of Vembanad Lake, Southwest Coast of India. *Environmental monitoring and Assessment*, 184(10), 5899-5915.
 131. Senthilkumar, R., & Sivakumar, K. (2008). Studies on phytoplankton diversity in response to abiotic factors in Veeranam lake in the Cuddalore district of Tamil Nadu. *Journal of Environmental Biology*, 29(5), 747-752.
 132. Shaikh, I. R., Shaikh, P. R., Shaikh, R. A., & Shaikh, A. A. (2013). Investigation on eutrophication of Taroda Nala at Nanded (India) through physico-chemical analyses of water and composition of planktonic community within the aquatic ecosystem. *International Research Journal of Environment Sciences*, 2(6), 39-48.
 133. Sharma, P. D (2012). Ecology and environment. Rastogi Publications, Meerut, Uttar Pradesh.
 134. Shivanikar, S.V., Patil, P.M., Vaidya, D.P. & Bandela, N.N. (1999). Environmental temperature fluctuation determine dissolved oxygen level in Godavari river water. *Pollution Research*, 18(4), 415-418.
 135. Siver, P. A., Lord, W. D., & McCarthy, D. J. (1994). Forensic limnology: the use of freshwater algal community ecology to link suspects to an aquatic crime scene in southern New England. *Journal of Forensic Science*, 39(3), 847-853.
 136. Sonal, D., Jagruti, R., & Geeta, P. (2010). Avifaunal diversity and water quality analysis of an inland wetland. *Journal of Wetlands Ecology*, 4, 1-32.
 137. Soni, H. B., & Thomas, S. (2013). Preliminary assessment of surface water quality of tropical pilgrimage wetland of Central Gujarat, India. *International journal of environment*, 2(1), 202-223.
 138. Soni, H. B., & Thomas, S. (2013). Preliminary observations on phytoplankton at sacred palustrine habitat, Central Gujarat, India. *International Journal of Environment*, 2(1), 115-126.

139. Soni, H. B., & Thomas, S. (2014). Assessment of surface water quality in relation to water quality index of tropical lentic environment, Central Gujarat, India. *International journal of environment*, 3(1), 168-176.
140. Soni, H. B., & Thomas, S. (2014). Associative dependence among plankton and macrophytes as pollution markers at tropical lentic environment, Gujarat, India. *International Journal of Environment*, 3(2), 175-191.
141. Sridhar, R., Thangaradjou, T., Kumar, S. S., & Kannan, L. (2006). Water quality and phytoplankton characteristics in the Palk Bay, southeast coast of India. *Journal of Environmental Biology*, 27(3), 561-566.
142. Stanley, O. D. (2004). Wetland ecosystems and coastal habitat diversity in Gujarat, India. *Journal of coastal development*, 7(2), 49-64.
143. Stockwell, D. A., Whitley, T. E., Zeeman, S. I., Coyle, K. O., Napp, J. M., Brodeur, R. D., ... & Hunt, J. R. G. L. (2001). Anomalous conditions in the south-eastern Bering Sea, 1997: nutrients, phytoplankton and zooplankton. *Fisheries Oceanography*, 10(1), 99-116.
144. Strecker, A. L., Cobb, T. P., & Vinebrooke, R. D. (2004). Effects of experimental greenhouse warming on phytoplankton and zooplankton communities in fishless alpine ponds. *Limnology and Oceanography*, 49(4), 1182-1190.
145. Sundar, K. G., & Kittur, S. (2013). Can wetlands maintained for human use also help conserve biodiversity? Landscape-scale patterns of bird use of wetlands in an agricultural landscape in north India. *Biological conservation*, 168, 49-56.
146. Suresh, G., Sutharsan, P., Ramasamy, V., & Venkatachalapathy, R. (2012). Assessment of spatial distribution and potential ecological risk of the heavy metals in relation to granulometric contents of Veeranam lake sediments, India. *Ecotoxicology and Environmental Safety*, 84, 117-124.
147. Sutherland, W. J. (Ed.). (2006). *Ecological census techniques: a handbook*. Cambridge university press.
148. Syers, J. K., Harris, R. F., & Armstrong, D. E. (1973). Phosphate Chemistry in Lake Sediments. *Journal of Environmental Quality*, 2(1), 1-14.

149. Tailor, M. A., & Mankodi, P. C. (2013). Comparative study of two Urban Ponds of Vadodara city with special reference to their chemical parameters. *Research Journal of Animal, Veterinary and Fishery Sciences*, 1(10), 10-15.
150. Takamura, N., Kadono, Y., Fukushima, M., Nakagawa, M., & Kim, B. H. (2003). Effects of aquatic macrophytes on water quality and phytoplankton communities in shallow lakes. *Ecological research*, 18(4), 381-395.
151. Tao, X. (2011). Phytoplankton biodiversity survey and environmental evaluation in Jia Lize wetlands in Kunming City. *Procedia Environmental Sciences*, 10, 2336-2341.
152. Thapa, G., & Paudel, G. (2002). Farmland degradation in the mountains of Nepal: A study of watersheds 'with' and 'without' external intervention. *Land Degradation and Development*, 13, 479-493.
153. Thapa, T.B. (1994). An ecological study of village pond of Kirtipur with reference to water quality and zooplankton. Dissertation submitted to Central Dept. of Zoology, Tribhuwan University, Kirtipur, Kathmandu.
154. Thomas, H. B. S. S. (2013). Occurrence of Phytoplankton at Sacred Palustrine Habitat, Central Gujarat, India. *Founder Editor: Dr. Ketan Tatu*, 23.
155. Udash, R.K. (1996). Ecological characteristics of Tamar lake in Royal Chitwan National Park. Dissertation submitted to Central Dept. of Zoology, Tribhuwan Univ., Kirtipur, Kathmandu.
156. Upadhyay, R., Pandey, A.K., Upadhyay, S.K., Bassin, J.K., & Misra, S.M. (2012). Limnochemistry and nutrient dynamics in Upper Lake, Bhopal, India. *Environmental Monitoring and Assessment*, 184, 7065-7077.
157. Upadhyaya, A. N., Oza, P. S., & Jadeja, B. A. (2012). Study of Micro-Nutrients and Secondary Elements of Sediment Soil of Lakhota Lake, Jamnagar, Gujarat (INDIA). *Imperial Journal of Interdisciplinary Research*, 2(11), 238-241.
158. Urfi, A. J., Sen, M., Kalam, A., & Meganathan, T. (2005). Counting birds in India: Methodologies and trends. *Current Science*, 1997-2003.

159. Vachhrajani, K. D., & Mankodi, P. C. (2007). Plankton Diversity at Gopnath, Gulf of Khambhat, Gujarat. *Indian Journal of Environment and Ecoplanning* 14 (1-2), 101-108.
160. Vachhrajani, K. D., & Mankodi, P. C. (2008). Status of Wildlife Habitat of Gir Protected Area, Gujarat: Qualitative and Quantitative Assessment of Water Resources. *Electronic Journal of Environmental Sciences*, 1, 73.
161. Vadodara Dist. Climate data: Data Source: <https://en.climate-data.org/asia/india/gujarat/vadodara-764414/#climate-table>
162. Van Vuuren, S. J., Taylor, J., Gerber, A., & Van Ginkel, C. (2006). Easy identification of the most common freshwater algae: a guide for the identification of microscopic algae in South African freshwaters. *Resource Quality Services (RQS)*.
163. Venkatasubramani, R., & Meenambal, T. (2007). Study of sub-surface water quality in Mattupalayam Taluk of Coimbatore district Tamil Nadu. *Nature Environment and Pollution Technology*, 6, 307-310.
164. Verma, P. U., Purohit, A. R., & Patel, N. J. (2012). Pollution status of Chandlodia lake located in Ahmedabad Gujarat. *International Journal of Engineering Research and Applications*, 2(4), 1600-1606.
165. Ward, M. P., Benson, T. J., Semel, B., & Herkert, J. R. (2010). The use of social cues in habitat selection by wetland birds. *The Condor*, 112(2), 245-251.
166. Welch, P.S. (1952). Limnology, 2nd edn. *Mc Graw-Hill Book Company Inc, New York*.
167. Wenchuan, Q., Dickman, M., & Sumin, W. (2001). Multivariate analysis of heavy metal and nutrient concentrations in sediments of Taihu Lake, China. *Hydrobiologia*, 450(1-3), 83-89.
168. Williamson, C. E., Morris, D. P., Pace, M. L., & Olson, O. G. (1999). Dissolved organic carbon and nutrients as regulators of lake ecosystems: resurrection of a more integrated paradigm. *Limnology and Oceanography*, 44(3part2), 795-803.
169. Xu, F. L., Tao, S., Dawson, R. W., & Xu, Z. R. (2003). The distributions and effects of nutrients in the sediments of a shallow eutrophic Chinese lake. *Hydrobiologia*, 492(1-3), 85-93.

170. Yilmaz, N. E. Ş. E., & Aykulu, G. (2010). An investigation on the seasonal variation of the phytoplankton density on the surface water of Sapanca Lake, Turkey. *Pakistan Journal of Botany*, 42(2), 1213-1224.
171. Yu, H., Tsuno, H., Hidaka, T., & Jiao, C. (2010). Chemical and thermal stratification in lakes. *Limnology*, 11(3), 251-257.