The reviewed 90 papers are classified into seven groups according to the commonly studied aquatic taxa. The references are listed as follows in Table 1 and Table 2, which are listed in the supplementary material.

Table 1 The reviewed references are classified according to the seven taxa groups

| No. of references | Taxa groups | References |
|---|---|---|
| 13 | Fish | (Albert and Ransangan, 2013), (Ali et al., 2019), (Araújo et al., 2000), (Hossain et al., 2012), (Hsu et al., 2011), (Kar et al., 2006), (Lee et al., 2013), (Mustapha, 2008), (Shahnawaz et al., 2010), (Sukeri et al., 2020), (Tsai et al., 2017), (Usha Anandhi et al., 2013), (Zhao et al., 2019b) |
| 18 | Benthic macroinvertebrates | (Aazami et al., 2015), (Astorga et al., 2011), (Azrina et al., 2006), (Capıtulo et al., 2001), (Dominguez-Granda et al., 2011), (Duran, 2006), (Evans-White et al., 2009), (Johann et al., 2019), (Joshi et al., 2007), (Karrouch et al., 2017), (Kilonzo et al., 2014), (Królak and Korycińska, 2008), (Luo et al., 2018), (Ndaruga et al., 2004), (Reizopoulou and Nicolaidou, 2004), (Taban et al., 2020), (Weigel and Robertson, 2007), (Zhushi Etemi et al., 2020) |
| 9 | EPT | (Budin et al., 2007), (Budin et al., 2008), (Curtean-Bănăduc, 2015), (Kladarić et al., 2020), (MÓRA et al., 2011), (Savic et al., 2017), (Thapa et al., 2020), (Timoner et al., 2020), (Vimos-Lojano et al., 2017) |
| 13 | Aquatic insect | (Adu and Oyeniyi, 2019), (AZMI and GEOK, 2016), (Barman and Gupta, 2015), (Camara et al., 2020), (Haggag et al., 2018), (Harun et al., 2015), (Onyenwe et al., 2018), (Prommi and Thani, 2014), (Prommi and Payakka, 2015), (Shafie et al., 2017), (Wahizatul et al., 2011), (Youprom et al., 2013), (Zhao et al., 2019a) |
| 14 | Zooplankton | (Akindele, 2013), (Bir et al., 2015), (Datta, 2011), (Panwar and Malik, 2016), (Jakhar, 2013), (Joseph and Yamakanamardi, 2011), (Rajagopal et al., 2010), (Tan et al., 2010), (Thakur et al., 2013), (Veerendra et al., 2012), (Vieira and Bio, 2011), (Vincent et al., 2012), (Wang et al., 2012), (Waya et al., 2014) |
| 9 | Aquatic macrophyte | (Akasaka et al., 2010), (Ali et al., 2007), (Barendregt and Bio, 2003), (Chappuis et al., 2014), (Feijoó and Lombardo, 2007), (Manolaki and Papastergiadou, 2013), (Singh et al., 2017), (Srivastava et al., 2008), (Thiebaut et al., 2002) |
| 14 | Phytoplankton | (Baruah and Kakati, 2012), (Jakhar, 2013), (Jiang et al., 2014), (Ni et al., 2018), (Palleyi and Panda, 2011), (Rahman et al., 2008), (Sahu et al., 2012), (Sharma et al., 2016), (Sun et al., 2011), (Thakur et al., 2013), (Tian et al., 2013), (Wang et al., 2006), (Zhao et al., 2013), (Zhu et al., 2020) |

Table 2 Reference list

| No. | Taxa groups | References |
|---|---|---|
| 1 | Fish | Albert, V., Ransangan, J., 2013. Effect of water temperature on susceptibility of culture marine fish species to vibriosis. International Journal of Research in Pure and Applied Microbiology 3(3), 48-52. |
| 2 | | Ali, U., Ayub, H., Shafi, N., 2019. Assessment of Water Quality Parameters and their Impact on Distribution of Fish Fauna in River Neelum, Azad Jammu &Kashmir, Pakistan. Biological Sciences-PJSIR 62(1), 49-57. |
| 3 | | Araújo, F.G., Williams, W.P., Bailey, R.G., 2000. Fish assemblages as indicators of water quality in the middle Thames estuary, England (1980–1989). Estuaries 23(3), 305. |
| 4 | | Hossain, M.S., Das, N.G., Sarker, S., Rahaman, M.Z., 2012. Fish diversity and habitat relationship with environmental variables at Meghna river estuary, Bangladesh. The Egyptian Journal of Aquatic Research 38(3), 213-226. |
| 5 | | Hsu, C.-B., Hsieh, H.-L., Yang, L., Wu, S.-H., Chang, J.-S., Hsiao, S.-C., Su, H.-C., Yeh, C.-H., Ho, Y.-S., Lin, H.-J., 2011. Biodiversity of constructed wetlands for wastewater treatment. Ecological Engineering 37(10), 1533-1545. |
| 6 | | Kar, D., Nagarathna, A., Ramachandra, T., Dey, S., 2006. Fish diversity and conservation aspects in an aquatic ecosystem in Northeastern India. Zoos' Print Journal 21(7), 2308-2315. |
| 7 | | Lee, C.-C., Jiang, L.-Y., Kuo, Y.-L., Hsieh, C.-Y., Chen, C.S., Tien, C.-J., 2013. The potential role of water quality parameters on occurrence of nonylphenol and bisphenol A and identification of their discharge sources in the river ecosystems. Chemosphere 91(7), 904-911. |
| 8 | | Mustapha, M.K., 2008. Assessment of the water quality of Oyun Reservoir, Offa, Nigeria, using selected physico-chemical parameters. Turkish Journal of Fisheries and Aquatic Sciences 8(2), 309-319. |
| 9 | | Shahnawaz, A., Venkateshwarlu, M., Somashekar, D., Santosh, K., 2010. Fish diversity with relation to water quality of Bhadra River of Western Ghats (India). Environmental monitoring and Assessment 161(1-4), 83-91. |
| 10 | | Sukeri, N.F.M., Rashid, Z.A., Saba, A.O., Halim, M.R.A., Amal, M.N.A., 2020. The Influences of Water Quality on Fish Occurrences in Kuala Mai, Pahang River and Ulu Tembeling, Tembeling River, Pahang, Malaysia. Pertanika Journal of Tropical Agricultural Science 43(2). |
| 11 | | Tsai, W.-P., Huang, S.-P., Cheng, S.-T., Shao, K.-T., Chang, F.-J., 2017. A data-mining framework for exploring the multi-relation between fish species and water quality |

| | | |
|---|---|---|
| | | through self-organizing map. Science of the Total Environment 579, 474-483. |
| 12 | | Usha Anandhi, D., Sharath, Y., Prashanth, R., 2013. Study of ornamental fish diversity and water quality of Adda Hole stream, Kabbinale forest range, Western Ghats. Advances in Applied Science Research 4(5), 158-164. |
| 13 | | Zhao, C., Yang, Y., Yang, S., Gai, Y., Zhang, C., Zhang, H., Xu, T., Yin, X., Zhang, Z., 2019. Factors driving temporospatial heterogeneity of fish community health in Jinan City, China. Marine and Freshwater Research 70(5), 637-646. |
| 14 | Benthic macroinvertebrates | Aazami, J., Esmaili-Sari, A., Abdoli, A., Sohrabi, H., Van den Brink, P.J., 2015. Monitoring and assessment of water health quality in the Tajan River, Iran using physicochemical, fish and macroinvertebrates indices. Journal of Environmental Health Science and Engineering 13(1), 29. |
| 15 | | Astorga, A., Heino, J., Luoto, M., Muotka, T., 2011. Freshwater biodiversity at regional extent: determinants of macroinvertebrate taxonomic richness in headwater streams. Ecography 34(5), 705-713. |
| 16 | | Azrina, M., Yap, C., Ismail, A.R., Ismail, A., Tan, S., 2006. Anthropogenic impacts on the distribution and biodiversity of benthic macroinvertebrates and water quality of the Langat River, Peninsular Malaysia. Ecotoxicology and environmental safety 64(3), 337-347. |
| 17 | | Capıtulo, A.R., Tangorraa, M., Ocónb, C., 2001. Use of benthic macroinvertebrates to assess the biological status of Pampean streams in Argentina. Aquatic Ecology 35, 109-119. |
| 18 | | Dominguez-Granda, L., Lock, K., Goethals, P.L., 2011. Using multi-target clustering trees as a tool to predict biological water quality indices based on benthic macroinvertebrates and environmental parameters in the Chaguana watershed (Ecuador). Ecological Informatics 6(5), 303-308. |
| 19 | | Duran, M., 2006. Monitoring Water Quality Using Benthic Macroinvertebrates and Physicochemical Parameters of Behzat Stream in Turkey. Polish Journal of Environmental Studies 15(5). |
| 20 | | Evans-White, M.A., Dodds, W.K., Huggins, D.G., Baker, D.S., 2009. Thresholds in macroinvertebrate biodiversity and stoichiometry across water-quality gradients in Central Plains (USA) streams. Journal of the North American Benthological Society 28(4), 855-868. |

21 Johann, A.d.S.T., Mangolin, L.P., Sanches, P.V., Sebastién, N.Y., Topan, D.A., Piana, P.A., Gomes, B.M., 2019. Urbanized tributary causes loss of biodiversity in a neotropical river segment. Water, Air, & Soil Pollution 230(6), 118.

22 Joshi, P.C., Negi, R.K., Negi, T., 2007. Seasonal variation in benthic macro-invertebrates and their correlation with the environmental variables in a freshwater stream in Garhwal region (India). Life Science Journal 4(4), 85-89.

23 Karrouch, L., Chahlaoui, A., Essahale, A., 2017. Anthropogenic impacts on the distribution and biodiversity of benthic macroinvertebrates and water quality of the Boufekrane River, Meknes, Morocco. Journal of Geoscience and Environment Protection 5(07), 173.

24 Kilonzo, F., Masese, F.O., Van Griensven, A., Bauwens, W., Obando, J., Lens, P.N., 2014. Spatial–temporal variability in water quality and macro-invertebrate assemblages in the Upper Mara River basin, Kenya. Physics and Chemistry of the Earth, Parts A/B/C 67, 93-104.

25 Królak, E., Korycińska, M., 2008. Taxonomic Composition of Macroinvertebrates in the Liwiec River and its Tributaries (Central and Eastern Poland) on the Basis of Chosen Physical and Chemical Parameters of Water and Season. Polish Journal of Environmental Studies 17(1).

26 Luo, K., Hu, X., He, Q., Wu, Z., Cheng, H., Hu, Z., Mazumder, A., 2018. Impacts of rapid urbanization on the water quality and macroinvertebrate communities of streams: A case study in Liangjiang New Area, China. Science of The Total Environment 621, 1601-1614.

27 Ndaruga, A.M., Ndiritu, G.G., Gichuki, N.N., Wamicha, W., 2004. Impact of water quality on macroinvertebrate assemblages along a tropical stream in Kenya. African Journal of Ecology 42(3), 208-216.

28 Reizopoulou, S., Nicolaidou, A., 2004. Benthic diversity of coastal brackish-water lagoons in western Greece. Aquatic conservation: Marine and freshwater ecosystems 14(S1), S93-S102.

29 Taban, P., Abdoli, A., Khorasani, N., Aazami, J., 2020. Assessment the effects of physiochemical parameters on water ecological quality using indices based on macro-invertebrates communities in the Karaj and Jajrood rivers. Iranian Journal of Fisheries Sciences 19(4), 1871-1888.

30 Weigel, B.M., Robertson, D.M., 2007. Identifying biotic integrity and water chemistry relations in nonwadeable

| | | |
|---|---|---|
| | | rivers of Wisconsin: toward the development of nutrient criteria. Environmental Management 40(4), 691-708. |
| 31 | | Zhushi Etemi, F., Çadraku, H., Bytyçi, A., Kuçi, T., Desku, A., Ymeri, P., Bytyçi, P., 2020. Correlation between physical and chemical parameters of water and biotic indices: The case study the White Drin River basin, Kosovo. Journal of Water and Land Development. |
| 32 | EPT | Budin, K., Ahmed, A., Abdullah, N., Dawalih, M., 2007. Correlation analysis on water quality parameter with aquatic insects abundance in Telipok River, Sabah, Malaysia, Proceedings of the 12th WSEAS International Conference on Applied Mathematics. pp. 324-327. |
| 33 | | Budin, K., Zainodin, H., Gabda, D., Abdullah, N., Ahmed, A., 2008. Effect of water parameters on ephemeroptera abundance in Telipok river, Sabah Malaysia. Wseas Transactions on environment and development 5(4), 447-451. |
| 34 | | Curtean-Bănăduc, A., 2015. Biotope Determinants of EPT Assamblages Structure–Târnava Watershed (Transylvania, Romania) Case Study. Transylvanian Review of Systematical and Ecological Research 17(2), 95-104. |
| 35 | | Kladarić, L., Ćuk, R., Dukić, I., Ruždjak, A.M., 2020. Effects of physical-chemical parameters on the EPT assemblages in surface waters in Pannonian Ecoregion. |
| 36 | | MÓRA, A., SZIVÁK, I., DEÁK, C., BODA, R., CSABAI, Z., Sály, P., Takács, P., Erős, T., Bíró, P., 2011. Environmental factors influencing the distribution of EPT assemblages in streams of Lake Balaton's catchment area, Hungary. Zoosymposia 5(1), 360-371. |
| 37 | | Savic, A., Dmitrovic, D., Pesic, V., 2017. Ephemeroptera, Plecoptera, and Trichoptera assemblages of karst springs in relation to some environmental factors: a case study in central Bosnia and Herzegovina. Turkish Journal of Zoology 41(1), 119-129. |
| 38 | | Thapa, B., Pant, R.R., Thakuri, S., Pond, G., 2020. Assessment of spring water quality in Jhimruk River Watershed, Lesser Himalaya, Nepal. Environmental Earth Sciences 79(22), 1-14. |
| 39 | | Timoner, P., Marle, P., Castella, E., Lehmann, A., 2020. Spatial patterns of mayfly, stonefly and caddisfly assemblages in Swiss running waters in the face of global warming. Ecography. |
| 40 | | Vimos-Lojano, D., Martínez-Capel, F., Hampel, H., 2017. Riparian and microhabitat factors determine the structure of |

| | | |
|---|---|---|
| | | the EPT community in Andean headwater rivers of Ecuador. Ecohydrology 10(8), e1894. |
| 41 | Aquatic insect | Adu, B.W., Oyeniyi, E.A., 2019. Water quality parameters and aquatic insect diversity in Aahoo stream, southwestern Nigeria. The Journal of Basic and Applied Zoology 80(1), 15. |
| 42 | | AZMI, W.A., GEOK, H.A., 2016. Aquatic insect communities in relation with water quality of selected tributaries of Tasik Kenyir Terengganu. |
| 43 | | Barman, B., Gupta, S., 2015. Aquatic insects as bio-indicator of water quality-A study on Bakuamari stream, Chakras hila Wildlife Sanctuary, Assam, North East India. Journal of Entomology and Zoology Studies 3(3), 178-186. |
| 44 | | Camara, I.A., Kra, M.K., Kouadio, N.K., Konan, M.K., Edia, E.O., Doumbia, L., Ouattara, A., Diomande, D., 2020. Composition, Structure and Functional Feeding of Aquatic Entomofauna in Kodjoboué Lake: Water Quality Assessment. Open Journal of Ecology 10(4), 160-176. |
| 45 | | Haggag, A., Mahmoud, M., Bream, A., Amer, M., 2018. Family variation of aquatic insects and water properties to assess freshwater quality in El-Mansouriya stream, Egypt. African Entomology 26(1), 162-173. |
| 46 | | Harun, S., Al-Shami, S.A., Dambul, R., Mohamed, M., Abdullah, M.H., 2015. Water quality and aquatic insects study at the lower Kinabatangan River catchment, Sabah: in response to weak la niña event. Sains Malaysiana 44(4), 545-558. |
| 47 | | Onyenwe, E., Anyanwu, E.D., Nnyama, G.I., 2018. Preliminary assessment of aquatic insects biodiversity and water quality parameters of anya river, Umudike, South East, Nigeria. Animal Research International 15(2), 3041-3047. |
| 48 | | Prommi, T.-O., Thani, I., 2014. Diversity of trichoptera fauna and its correlation with water quality parameters at Pasak Cholasit reservoir, Central Thailand. Environment and Natural Resources Journal 12(2), 35-41. |
| 49 | | Prommi, T., Payakka, A., 2015. Aquatic insect biodiversity and water quality parameters of streams in Northern Thailand. Sains Malaysiana 44(5), 707-717. |
| 50 | | Shafie, M.S., Wong, A.B., Harun, S., Fikri, A.H., 2017. The use of aquatic insects as bio-indicator to monitor freshwater stream health of Liwagu River, Sabah, Malaysia. Journal of Entomology and Zoology Studies 5(4), 1662-1666. |

| | | |
|---|---|---|
| 51 | | Wahizatul, A., Long, S., Ahmad, A., 2011. Composition and distribution of aquatic insect communities in relation to water quality in two freshwater streams of Hulu Terengganu, Terengganu. Journal of Sustainability Science and Management 6(1), 148-155. |
| 52 | | Youprom, P., PANICH-PAT, T., PROMM, T.-O., 2013. Aquatic insect communities and water quality in wetland, northern Thailand. Journal of Applied Sciences in Environmental Sanitation 8(3). |
| 53 | | Zhao, C., Pan, T., Yang, S., Sun, Y., Zhang, Y., Ge, Y., Dong, B., Zhang, Z., Zhang, H., 2019. Quantifying the response of aquatic biodiversity to variations in river hydrology and water quality in a healthy water ecology pilot city, China. Marine and Freshwater Research 70(5), 670-681. |
| 54 | Zooplankton | Akindele, E., Adeniyi, I., 2013. A study of the physico-chemical water quality, hydrology and zooplankton fauna of Opa Reservoir catchment area, Ile-Ife, Nigeria. African Journal of Environmental Science and Technology 7(5), 192-203. |
| 55 | | Bir, J., Sumon, M.S., Rahaman, S., 2015. The effects of different water quality parameters on zooplankton distribution in major river systems of Sundarbans Mangrove. IOSR Journal of Environmental Science, Toxicology and Food Technology 11, 56-63. |
| 56 | | Datta, T., 2011. Zooplankton diversity and physicochemical conditions of two wetlands of Jalpaiguri district, India. International Journal of Applied Biology and Pharmaceutical Technology 2(3), 576-583. |
| 57 | | Panwar, S., Malik, D., 2016. Zooplankton diversity, species richness and their distribution pattern in Bhimtal Lake of Kumaun region,(Uttarakhand). Hydrology Current Research 7(1), 219. |
| 58 | | Jakhar, P., 2013. Role of phytoplankton and zooplankton as health indicators of aquatic ecosystem: A review. International Journal of Innovation Research Study 2(12), 489-500. |
| 59 | | Joseph, B., Yamakanamardi, S.M., 2011. Monthly changes in the abundance and biomass of zooplankton and water quality parameters in Kukkarahalli Lake of Mysore, India. Journal of environmental biology 32(5), 551. |
| 60 | | Rajagopal, T., Thangamani, A., Sevarkodiyone, S., Sekar, M., Archunan, G., 2010. Zooplankton diversity and physico-chemical conditions in three perennial ponds of |

| | | |
|---|---|---|
| | | Virudhunagar district, Tamilnadu. Journal of Environmental Biology 31(3), 265-272. |
| 61 | | Tan, X., Shi, X., Liu, G., Xu, H., Nie, P., 2010. An approach to analyzing taxonomic patterns of protozoan communities for monitoring water quality in Songhua River, northeast China. Hydrobiologia 638(1), 193. |
| 62 | | Thakur, R., Jindal, R., Singh, U.B., Ahluwalia, A., 2013. Plankton diversity and water quality assessment of three freshwater lakes of Mandi (Himachal Pradesh, India) with special reference to planktonic indicators. Environmental monitoring and assessment 185(10), 8355-8373. |
| 63 | | Veerendra, D., Thirumala, S., Manjunatha, H., Aravinda, H., 2012. Zooplankton diversity and its relationship with physico-chemical parameters in Mani Reservoir of Western Ghats, region, Hosanagar Taluk, Shivamoga district Karnataka, India. Journal of Urban and Environmental Engineering 6(2), 74-77. |
| 64 | | Vieira, N., Bio, A., 2011. Spatial and temporal variability of water quality and zooplankton in an artisanal salina. Journal of Sea Research 65(2), 293-303. |
| 65 | | Vincent, K., Mwebaza-Ndawula, L., Makanga, B., Nachuha, S., 2012. Variations in zooplankton community structure and water quality conditions in three habitat types in northern Lake Victoria. Lakes & Reservoirs: Research & Management 17(2), 83-95. |
| 66 | | Wang, Y.-S., Lou, Z.-P., Sun, C.-C., Wang, H., Mitchell, B.G., Wu, M.-L., Deng, C., 2012. Identification of water quality and zooplankton characteristics in Daya Bay, China, from 2001 to 2004. Environmental earth sciences 66(2), 655-671. |
| 67 | | Waya, R.K., Limbu, S.M., Ngupula, G.W., Mwita, C.J., Mgaya, Y.D., 2014. Spatial patterns of zooplankton distribution and abundance in relation to phytoplankton, fish catch and some water quality parameters at Shirati Bay, Lake Victoria-Tanzania. Tanzania Journal of Science 40(1), 21-33. |
| 68 | Aquatic macrophyte | Akasaka, M., Takamura, N., Mitsuhashi, H., Kadono, Y., 2010. Effects of land use on aquatic macrophyte diversity and water quality of ponds. Freshwater Biology 55(4), 909-922. |
| 69 | | Ali, M.M., Mageed, A.A., Heikal, M., 2007. Importance of aquatic macrophyte for invertebrate diversity in large subtropical reservoir. Limnologica 37(2), 155-169. |

| | | |
|---|---|---|
| 70 | | Barendregt, A., Bio, A.M., 2003. Relevant variables to predict macrophyte communities in running waters. Ecological modelling 160(3), 205-217. |
| 71 | | Chappuis, E., Gacia, E., Ballesteros, E., 2014. Environmental factors explaining the distribution and diversity of vascular aquatic macrophytes in a highly heterogeneous Mediterranean region. Aquatic Botany 113, 72-82. |
| 72 | | Feijoó, C.S., Lombardo, R.J., 2007. Baseline water quality and macrophyte assemblages in Pampean streams: a regional approach. Water research 41(7), 1399-1410. |
| 73 | | Manolaki, P., Papastergiadou, E., 2013. The impact of environmental factors on the distribution pattern of aquatic macrophytes in a middle-sized Mediterranean stream. Aquatic Botany 104, 34-46. |
| 74 | | Singh, H., Singh, D., Singh, S.K., Shukla, D., 2017. Assessment of river water quality and ecological diversity through multivariate statistical techniques, and earth observation dataset of rivers Ghaghara and Gandak, India. International journal of river basin management 15(3), 347-360. |
| 75 | | Srivastava, J., Gupta, A., Chandra, H., 2008. Managing water quality with aquatic macrophytes. Reviews in Environmental Science and Bio/Technology 7(3), 255-266. |
| 76 | | Thiebaut, G., Guérold, F., Muller, S., 2002. Are trophic and diversity indices based on macrophyte communities pertinent tools to monitor water quality? Water Research 36(14), 3602-3610. |
| 77 | Phytoplankton | Baruah, P., Kakati, B., 2012. Water quality and phytoplankton diversity of Gopeswar temple freshwater pond in Assam (India). Bangladesh Journal of Botany 41(2), 181-185. |
| 78 | | Jakhar, P., 2013. Role of phytoplankton and zooplankton as health indicators of aquatic ecosystem: A review. International Journal of Innovation Research Study 2(12), 489-500. |
| 79 | | Jiang, Y.-J., He, W., Liu, W.-X., Qin, N., Ouyang, H.-L., Wang, Q.-M., Kong, X.-Z., He, Q.-S., Yang, C., Yang, B., 2014. The seasonal and spatial variations of phytoplankton community and their correlation with environmental factors in a large eutrophic Chinese lake (Lake Chaohu). Ecological Indicators 40, 58-67. |
| 80 | | Ni, M., Yuan, J.-l., Liu, M., Gu, Z.-m., 2018. Assessment of water quality and phytoplankton community of Limpenaeus |

vannamei pond in intertidal zone of Hangzhou Bay, China. Aquaculture Reports 11, 53-58.

81 Palleyi, S., Panda, C., 2011. Influence of water quality on the biodiversity of phytoplankton in Dhamra river Estuary of Odisha Coast, Bay of Bengal. Journal of Applied Sciences and Environmental Management 15(1).

82 Rahman, M.M., Nagelkerke, L.A., Verdegem, M.C., Wahab, M.A., Verreth, J.A., 2008. Relationships among water quality, food resources, fish diet and fish growth in polyculture ponds: a multivariate approach. Aquaculture 275(1-4), 108-115.

83 Sahu, G., Satpathy, K., Mohanty, A., Sarkar, S., 2012. Variations in community structure of phytoplankton in relation to physicochemical properties of coastal waters, southeast coast of India.

84 Sharma, R.C., Singh, N., Chauhan, A., 2016. The influence of physico-chemical parameters on phytoplankton distribution in a head water stream of Garhwal Himalayas: A case study. The Egyptian Journal of Aquatic Research 42(1), 11-21.

85 Sun, C.-C., Wang, Y.-S., Wu, M.-L., Dong, J.-D., Wang, Y.-T., Sun, F.-L., Zhang, Y.-Y., 2011. Seasonal variation of water quality and phytoplankton response patterns in Daya Bay, China. International Journal of Environmental Research and Public Health 8(7), 2951-2966.

86 Thakur, R., Jindal, R., Singh, U.B., Ahluwalia, A., 2013. Plankton diversity and water quality assessment of three freshwater lakes of Mandi (Himachal Pradesh, India) with special reference to planktonic indicators. Environmental monitoring and assessment 185(10), 8355-8373.

87 Tian, C., Lu, X., Pei, H., Hu, W., Xie, J., 2013. Seasonal dynamics of phytoplankton and its relationship with the environmental factors in Dongping Lake, China. Environmental Monitoring and Assessment 185(3), 2627-2645.

88 Wang, Y.-S., Lou, Z.-P., Sun, C.-C., Wu, M.-L., Han, S.-H., 2006. Multivariate statistical analysis of water quality and phytoplankton characteristics in Daya Bay, China, from 1999 to 2002. Oceanologia 48(2).

89 Zhao, Z., Mi, T., Xia, L., Yan, W., Jiang, Y., Gao, Y., 2013. Understanding the patterns and mechanisms of urban water ecosystem degradation: phytoplankton community structure and water quality in the Qinhuai River, Nanjing City, China. Environmental Science and Pollution Research 20(7), 5003-5012.

90 Zhu, H., Liu, X., Cheng, S., 2020. Phytoplankton community structure and water quality assessment in an ecological restoration area of Baiyangdian Lake, China. International Journal of Environmental Science and Technology, 1-8.