BIBLIOGRAPHY

Abhishek, C., Nikola, G., & Ulrike, G. (2024). Effect of Rainfall on Water Parameters in Recreational Lakes in Heidelberg, Germany. *IgMin Research*, *2*(2), 121–126. https://doi.org/10.61927/igmin153

Adhar, S., Barus, T. A., Nababan, E. S. N., & Wahyuningsih, H. (2023). Trophic state index and spatio-temporal analysis of trophic parameters of Laut Tawar Lake, Aceh, Indonesia. *AACL Bioflux*, *16*(1), 342–355.

Akinnawo, S. O. (2023). Eutrophication: Causes, Consequences, Physical, Chemical And Biological Techniques For Mitigation Strategies. *Environmental Challenges*, *12*(March). https://doi.org/10.1016/j.envc.2023.100733

Al-Taai, S. H. H. (2021). Water pollution Its causes and effects. *IOP Conference Series: Earth and Environmental Science*, *790*(1). https://doi.org/10.1088/1755-1315/790/1/012026

Aziz, N. A. A., Toriman, M. E., Gasim, M. B., Muftah, S., Barggig, A., & Kamarudin, M. K. A. (2017). Water quality deterioration in artificial lake: Their impact and sources. *International Journal on Advanced Science, Engineering and Information Technology*, *7*(1), 49–56. https://doi.org/10.18517/ijaseit.7.1.1012

Azman, M. H. A., Hamdan, R., Ali, Z. M., & Siddiqui, Z. (2023). Water Quality Monitoring for Trophic State of Tasik Kemajuan, Universiti Tun Hussein Onn Malaysia. *International Journal of Sustainable Construction Engineering and Technology*, *14*(3), 180–192. https://doi.org/10.30880/ijscet.2023.14.03.015

Azman, M. H. A., Hamdan, R., Ali, Z. M., Siddiqui, Z., & Azlan, M. A. N. (2024). Inventory of Pollution Sources for The Lakes of Universiti Tun Hussein Onn Malaysia. *International Journal of Integrated Engineering*, *16*(4), 104–112. https://doi.org/10.30880/ijie.2024.16.04.013

Bhagowati, B., & Ahamad, K. U. (2019). A review on lake eutrophication dynamics and recent developments in lake modeling. *Ecohydrology and Hydrobiology*, *19*(1), 155–166. https://doi.org/10.1016/j.ecohyd.2018.03.002

Bhat, S. U., & Qayoom, U. (2016). Implications of Sewage Discharge on Freshwater Ecosystems. *Intech*, *11*(tourism), 13. Retrieved from https://www.intechopen.com/books/advanced-biometric-technologies/liveness-detection-in-biometrics

Blandoi, J. A. J., Jamian, M. A. H., & Mohd-Azlan, J. (2020). An assessment of land use surrounding hydropower reservoirs using remote sensing in Sarawak, Malaysia. *Journal of Sustainability Science and Management*, *15*(2), 66–78.

Brink, I. C., & Kamish, W. (2018). Associations between stormwater retention pond parameters and pollutant (Suspended solids and metals) removal efficiencies. *Water SA*, *44*(1), 45–53. https://doi.org/10.4314/wsa.v44i1.06

Cruz-Vivar, N. V., & Hansen, A. M. (2025). Assessment of oxygen demand loads and its application in effective decision-making for the rehabilitation of an urban lake. *Ecological Engineering*, *213* (December 2024), 107567. https://doi.org/10.1016/j.ecoleng.2025.107567

Department of Environmental. (2020). Environmental Quality Report 2020 Annex National Water Quality Standards For Malaysia. 171–175.

Duncan, D., Harvey, F., Walker, M., & Quality, A. water. (2007). *Water and wastewater sampling*.

El-Serehy, H. A., Abdallah, H. S., Al-Misned, F. A., Al-Farraj, S. A., & Al-Rasheid, K. A. (2018). Assessing water quality and classifying trophic status for scientifically based managing the water resources of Lake Timsah, the lake with salinity stratification along the Suez Canal. *Saudi Journal of Biological Sciences*, *25*(7), 1247–1256. https://doi.org/10.1016/j.sjbs.2018.05.022

Eljamal, O., Eljamal, R., Maamoun, I., Khalil, A. M. E., Shubair, T., Falyouna, O., & Sugihara, Y. (2022). Efficient treatment of ammonia-nitrogen contaminated waters by nano zero-valent iron/zeolite composite. *Chemosphere*, *287*. https://doi.org/10.1016/j.chemosphere.2021.131990

Fatema, M. K. (2019). Water Quality Assessment and Trophic State Classification of Tasik Ilmu, Utm, (January).

Feisal, N. A. S., Kamaludin, N. H., Abdullah Sani, M. F., Awang Ahmad, D. K., Ahmad, M. A., Abdul Razak, N. F., & Tengku Ibrahim, T. N. B. (2023). Anthropogenic disturbance of aquatic biodiversity and water quality of an urban river in Penang, Malaysia. *Water Science and Engineering*, *16*(3), 234–242. https://doi.org/10.1016/j.wse.2023.01.003

Francis-Floyd, R., Watson, C., Petty, D., & Pouder, D. (2022). Ammonia in Aquatic Systems. *Edis*, *2022*(4), 1–6. https://doi.org/10.32473/edis-fa031-2022

Geleto, M., Ulsido, M. D., & Berego, Y. S. (2025). Wastewater treatment in tropical, vertical up-flow constructed wetlands with selected macrophytes species: A preliminary analysis. *Heliyon*, *11*(1), e41207. https://doi.org/10.1016/j.heliyon.2024.e41207

Gibbs, M., & Hickey, C. (2012). Guidelines for Artificial Lakes: Before construction, maintenance of new lakes and rehabilitation of degraded lakes, (October), 177. Retrieved from https://www.envirolink.govt.nz/assets/Envirolink/Guidelines-for-artificial-lakes.pdf

Giri, S., & Qiu, Z. (2016). Understanding the relationship of land uses and water quality in Twenty First Century: A review. *Journal of Environmental Management*, *173*, 41–48. https://doi.org/10.1016/j.jenvman.2016.02.029

Hafizza Mohd Amran, N., Khairul Amri Kamarudin, M., Abd Wahab, N., Hafiz Md Saad, M., Hafiz Rosli, M., Armi Abu Samah, M., & Jusoh, S. (2018). Environmental Management on Natural River Based on Water Quality Deterioration in Terengganu River Basin, Terengganu, Malaysia.

International Journal of Engineering & Technology, *7*(4.34), 132–136. https://doi.org/10.14419/ijet.v7i4.34.23844

Han, X., Xie, D., Song, H., Ma, J., Zhou, Y., Chen, J., & Huang, F. (2022). Estimation of chemical oxygen demand in different water systems by near-infrared spectroscopy. *Ecotoxicology and Environmental Safety*, *243*(July), 113964. https://doi.org/10.1016/j.ecoenv.2022.113964

Hanjaniamin, A. E., Tabrizi, M. S., & Babazadeh, H. (2023). Dissolved oxygen concentration and eutrophication evaluation in Yamchi dam reservoir, Ardabil, Iran. *Applied Water Science*, *13*(1), 1–12. https://doi.org/10.1007/s13201-022-01786-1

Hu, M., Ma, R., Cao, Z., & Xiong, J. (2021). Remote Estimation of Trophic State Index for Inland Waters, 1–22.

ILM Trusted Care of Land & Water. (2022). Lake Management Plan 2023-2027. Retrieved from https://en.wikipedia.org/wiki/Island_Lake_Airport

ISO 5667-4. (2016). International Standard Iteh Standard Iteh Standard Preview. *International Organization for Standardization*, *10406-1:20*, 3–6.

Kamarudin, M. K. A., Wahab, N. A., Bati, S. N. A. M., Toriman, M. E., Saudi, A. S. M., Umar, R., & Sunardi. (2020). Seasonal variation on dissolved oxygen, biochemical oxygen demand and chemical oxygen demand in Terengganu river basin, Malaysia. *Journal of Environmental Science and Management*, *23*(2), 1–7. https://doi.org/10.47125/jesam/2020

Karmakar, S., & Mavukkandy, M. O. (2018). Lakes and reservoir : Pollution Encyclopedia of Environmental Management Lakes and Reservoirs : Pollution. *Encyclopedia of Environmental Management*, (May), 1576–1587. https://doi.org/10.1081/E-EEM-120047215

Kim, S., Alizamir, M., Zounemat-Kermani, M., Kisi, O., & Singh, V. P. (2020). Assessing the biochemical oxygen demand using neural networks and ensemble tree approaches in South Korea. *Journal of Environmental Management*, *270*(February), 110834. https://doi.org/10.1016/j.jenvman.2020.110834

Koki, I. B., Low, K. H., Juahir, H., Azid, A., & Zain, S. M. (2017). Assessment of water quality of man-made lakes in Klang Valley (Malaysia) using chemometrics: The impact of mining. *Desalination and Water Treatment*, *74*(April 2020), 125–136. https://doi.org/10.5004/dwt.2017.20610

Kornijów, R. (2024). Eutrophication and derivative concepts. Origins, compatibility and unresolved issues. *Ecohydrology and Hydrobiology*, *24*(2), 289–298. https://doi.org/10.1016/j.ecohyd.2023.07.001

Lamma, O. A. (2023). Beneath the Surface: Unveiling the Silent Threat of Groundwater Contamination, *8*(5), 380–393. https://doi.org/10.58916/jhas.v8i5.81

Lian, Q., Yao, L., Uddin Ahmad, Z., Lei, X., Islam, F., Zappi, M. E., & Gang, D. D. (2019). Nonpoint source pollution. *Water Environment Research*, *91*(10), 1114–1128. https://doi.org/10.1002/wer.1205

Lin, J. L., Karangan, A., Huang, Y. M., & Kang, S. F. (2022). Eutrophication factor analysis using Carlson trophic state index (CTSI) towards non-algal impact reservoirs in Taiwan. *Sustainable Environment Research*, *32*(1). https://doi.org/10.1186/s42834-022-00134-x

Lin, S. S., Shen, S. L., Zhou, A., & Lyu, H. M. (2021). Assessment and management of lake eutrophication: A case study in Lake Erhai, China. *Science of the Total Environment*, *751*, 141618. https://doi.org/10.1016/j.scitotenv.2020.141618

Loucif, K., Neffar, S., Menasria, T., Maazi, M. C., Houhamdi, M., & Chenchouni, H. (2020). Physico-chemical and bacteriological quality assessment of surface water at Lake Tonga in Algeria. *Environmental Nanotechnology, Monitoring and Management*, *13*(October 2019), 100284. https://doi.org/10.1016/j.enmm.2020.100284

Luo, L., Zhang, Y., Dong, W., Zhang, G., Xiao, Y., Ge, Z., & Zhang, J. (2024). A new method for point pollution source identification based on remote sensing inversion and water streamlines. *Journal of Hydrology*, *628*(October 2023), 130571. https://doi.org/10.1016/j.jhydrol.2023.130571

Markad, A. T., Kulkarni, A. S., Markad, S. S., Sutar, V. B., Meshre, S. D., & Bansode, V. V. (2024). Comparison of eutrophication level by applying different trophic state indices to the Tiru reservoir , *8*(3), 41–45.

Melinda, T., Sholehah, H., & Abdullah, T. (2021). Penentuan Status Mutu Air Danau Air Asin Gili Meno Menggunakan Metode Indeks Pencemaran Determination of the Water Quality Status of Gili Saltwater Lake Using the Pollution Index Method. *Jurnal Sanitasi Dan Lignkungan*, *2*(2), 199–208.

Miswan, M. S., Maya Saphira Radin Mohamed, R., Ali Saeed Al-Gheethi, A., & Hashim Mohd Kassim, A. (2019). Preliminary Assessment of Teknologi Lake Quality Status at Universiti Tun Hussein Onn Malaysia (UTHM) Campus in Parit Raja, Johor, Malaysia. *IOP Conference Series: Materials Science and Engineering*, *601*(1). https://doi.org/10.1088/1757-899X/601/1/012013

Muduli, M., Choudharya, M., & Ray, S. (2024). A review on constructed wetlands for environmental and emerging contaminants removal from wastewater: traditional and recent developments. *Environment, Development and Sustainability*, *26*(12), 30181–30220. https://doi.org/10.1007/s10668-023-04190-0

Nayeb Yazdi, M., Scott, D., Sample, D. J., & Wang, X. (2021). Efficacy of a retention pond in treating stormwater nutrients and sediment. *Journal of Cleaner Production*, *290*, 125787. https://doi.org/10.1016/j.jclepro.2021.125787

Nurdin, A., Jannah, R., & Putri, R. (2023). Analysis of Suspended Solids Content in Rice Field Stream Water Consumed By Pante Kuyun Village Community

Aceh Jaya District. *Pharmacology Medical Reports Orthopedic and Illness Details (Comorbid)*, *2*(2), 96–99. https://doi.org/10.55047/comorbid.v2i3.1111

Opiyo, S., Getabu, A. M., Sitoki, L. M., Shitandi, A., & Ogendi, G. M. (2019). Application of the Carlson's Trophic State Index for the Assessment of Trophic Status of Lake Simbi Ecosystem, a Deep Alkaline-Saline Lake in Kenya. *SSRN Electronic Journal*, *7*(4), 327–333. https://doi.org/10.2139/ssrn.3451145

Pramulyana, M. E., & Nasir, M. (2024). Water Quality Testing in Mosques Using Parameters of Total Suspended Solids (TSS), Potensial of Hidrogen (pH), Electrical Conductivity (EC), dan Total Dissolved Solids (TDS), and Turbidity, *16*(2), 68–76.

Roy, R. (2019). An Introduction to water quality analysis. *ESSENCE – International Journal for Environmental Rehabilitation and Conservation*, (January 2019), 94–100. https://doi.org/10.31786/09756272.18.9.2.214

Saidi, N. M., Yunus, S. M., Zaizisham, N. A., & Nik Ariffin, N. A. (2024). Assessment of Water Quality and Heavy Metals Concentration in Selangor River. *Malaysian Journal of Chemistry*, *26*(3), 445–455. https://doi.org/10.55373/mjchem.v26i3.445

Salmaa, N. Z., Yuliati, & Fajri, N. E. (2024). Water quality status of Buatan Lake, Rumbai Pesisir, Pekanbaru City Riau Province using pollution index. *Jurnal Mina Sains*, *10*(2), 70–81. https://doi.org/10.30997/jmss.v10i2.15349

Sharip, Z., Zulkifli, M. H., Abd Wahab, M. N. F., Johar, Z., & Mat Amin, M. Z. (2023). Jurnal Teknologi ASSESSING TROPHIC STATE AND WATER QUALITY, *2*, 51–59.

Shrestha, S., & Malla, R. (2022). Carlson's Trophic State Index for the Assessment of Trophic state of Phewa, Begnas and Rupa Lakes in Kaski district, Nepal. *Journal of Environment Sciences*, *VIII*, 46–57. https://doi.org/10.3126/jes.v8i1.53651

Sterner, R. W., Keeler, B., Polasky, S., Poudel, R., Rhude, K., & Rogers, M. (2020). Ecosystem services of Earth's largest freshwater lakes. *Ecosystem Services*, *41*(November 2019), 101046. https://doi.org/10.1016/j.ecoser.2019.101046

Suratman, S., Mohd Sailan, M. I., Hee, Y. Y., Bedurus, E. A., & Latif, M. T. (2015). A preliminary study of water quality index in Terengganu River basin, Malaysia. *Sains Malaysiana*, *44*(1), 67–73. https://doi.org/10.17576/jsm-2015-4401-10

Tan, R., Wang, Z., Wu, T., & Wu, J. (2023). A data-driven model for water quality prediction in Tai Lake, China, using secondary modal decomposition with multidimensional external features. *Journal of Hydrology: Regional Studies*, *47*(February), 101435. https://doi.org/10.1016/j.ejrh.2023.101435

Umaruddin, R. (2024). Strategi Pengelolaan Danau Anggi Berbasis Kelembagaan dengan Metode Interpretative Structural Modeling (ISM), *5*(9), 4569–4580.

Vasistha, P., & Ganguly, R. (2020). Water quality assessment of natural lakes and its importance: An overview. *Materials Today: Proceedings*, *32*(December), 544–552. https://doi.org/10.1016/j.matpr.2020.02.092

Vijayakumar, S., Sakthivel, M., Murugesan, S., & Narmada, K. (2019). Potential of Hydrogen (pH) to monitor the multi temporal change in ground water quality using geospatial techniques: A Case Study of Nagapattinam District Potential of Hydrogen (pH) to monitor the multi temporal A Case Study of Nagapattinam District. *Journal of Applied SCience and Computations*, *1*(1), 1137–1152.

Vymazal, J., & Březinová, T. (2015). The use of constructed wetlands for removal of pesticides from agricultural runoff and drainage: A review. *Environment International*, *75*, 11–20.

Wagner, T., & Erickson, L. E. (2017). Sustainable Management of Eutrophic Lakes and Reservoirs. *Journal of Environmental Protection*, *08*(04), 436–463. https://doi.org/10.4236/jep.2017.84032

Wahab, N. A., Khairul, M., Kamarudin, A., Ata, F. M., Ismail, I. N., & Sunardi, S. (2024). Integrated Lake Basin Management (ILBM) Of Hydrological Assessment Characteristics in Kenyir Lake Basin. *Journal of the Malaysian Institute of Planners VOLUME*, *22*(6), 261–275.

Woolway, R. I., Sharma, S., & Smol, J. P. (2022). Lakes in Hot Water: The Impacts of a Changing Climate on Aquatic Ecosystems. *BioScience*, *72*(11), 1050–1061. https://doi.org/10.1093/biosci/biac052

Wu, Z., Wang, X., Chen, Y., Cai, Y., & Deng, J. (2018). Assessing river water quality using water quality index in Lake Taihu Basin, China. *Science of the Total Environment*, *612*, 914–922. https://doi.org/10.1016/j.scitotenv.2017.08.293

Zhang, F., Xue, B., Cai, Y., Xu, H., & Zou, W. (2023). Utility of Trophic State Index in lakes and reservoirs in the Chinese Eastern Plains ecoregion: The key role of water depth. *Ecological Indicators*, *148*(February), 110029. https://doi.org/10.1016/j.ecolind.2023.110029

Zhou, Z., Jing, S., Gong, Y., & Zhao, H. (2021). Classification And Identification Of Artificial Lakes Based on National Geographic-Conditions Data. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, *5*(4), 187–192. https://doi.org/10.5194/isprs-annals-V-4-2021-187-2021