REFERENCES

Ademiluyi, I. A., & Odugbesan, J. A. (2008). Sustainability and impact of community water supply and sanitation programmes in Nigeria: An overview. *African Journal of Agricultural Research*, *3*(12), 811-817.

Agrawal, A. (2001). Common property institutions and sustainable governance of resources. *World development*, *29*(10), 1649-1672.

Akoteyon, I. S., Omotayo, A. O., Soladoye, O., & Olaoye, H. O. (2011). Determination of water quality index and suitability of urban river for municipal water supply in Lagos-Nigeria. *European Journal of Scientific Research*, *54*(2), 263-271.

Amarasiri, S. (2008). Caring for water. In *Nugegoda: Sri Lanka Nature Forum* (pp. 1-161).

Antonio, G.F. (2005). The European response to the challenges of water and sanitation in developing countries. [online]. [Accessed on 26.10. 2021] Availabale at http://www.brgm.fr/dcenews.

Apha, A. (1998). WEF (American Public Health Association. *American Water Works*.

Asarudeen, A.M., Chaminda, T., Ellawala, K.C., Shayan, M.N.M. and Gunawardena, W.B. (2021). Evaluation of The Water Quality of Community Managed Water Supply Schemes in Matara District. Proceedings of the 7th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development.

Bandara, N. J. G. J. (2003). Water and wastewater related issues in Sri Lanka. *Water science and technology*, *47*(12), 305-312.Bilozor, S., Nawrocki, J., Raczyk-Stanislawiak, U.,Swietlik J. (2010). Qualitative characteristics of natural waters [W:] Nawrocki J. (edit.) Water treatment: physical, chemical and biological processes. Part 1.Rev. 2. PWN Scientific Publishing House, Warsaw.

Bafarasat, A. Z. (2021). Is our urban water system still sustainable? A simple statistical test with complexity science insight. *Journal of Environmental Management*, *280*, 111748.

Boyacıoğlu, H., Gündogdu, V., & Boyacıoğlu, H. (2013). Investigation of priorities in water quality management based on correlations and variations. *Marine pollution bulletin*, *69*(1-2), 48-54.

Brown R. M., McLelland N.I., Deininger R. A. and O'Connor, M. F., (1972). A water quality indecrashing the psychological barrier, Indicators of Environmental Quality.

Calzada, J., Iranzo, S., and Sanz, A. (2017). Community-managed water services: The case of Peru. Journal of Environment & Development, 26(4), 400–428.

CCME, Canadian environmental quality guidelines for the protection of aquatic life, CCME water quality index: technical report, 1.0, 2001, Canada

Central Bank .2009. Annual Report. Colombo, Sri Lanka.

Chandrajith, R., Nanayakkara, S., Itai, K., Aturaliya, T. N. C., Dissanayake, C. B., Abeysekera, T., ... & Koizumi, A. (2011). Chronic kidney diseases of uncertain etiology (CKDue) in Sri Lanka: geographic distribution and environmental implications. *Environmental geochemistry and health*, *33*(3), 267-278.

Chowdhury, R.M., Muntasir, S.Y. and Hossain, M.M., (2012). Water quality index of water bodies along Faridpur-Barisal Road in Bangladesh, Global Engineering Technology Review, 2(3). 1-8.

Debels, P., Figueroa, R., Urrutia, R., Barra, R. and Niell, X. (2005). Evaluation of water quality in the Chilla´n River (Central Chile) using physicochemical parameters and a modified water quality index. Environ. Monit. Assess. 110**,** 301-322.

de França Doria, M. (2010). Factors influencing public perception of drinking water quality. *Water policy*, *12*(1), 1-19.

Department of Census and Statistics, Sri Lanka. 2012. Census of population and housing, Principal Source of Drinking Water.

De Silva C. S (2013) Water quality assessment in Jaffna, Vavuniya, Anuradhapura, Kurunagala and Hambantota in Sri Lanka for domestic purposes.

Dissanayake, C. B. (2010). Water quality in the dry zone of Sri Lanka-some interesting health aspects. *Journal of the National Science Foundation of Sri Lanka*, *33*(3).

Dunnette, D.A. (1979). A geographically variable water quality index used in Oregon, *J.* Water Pollu. Cont. Fed., 51(1). 53-61.

Ecology – 6th Edition Textbook Solutions, Retrieved 4 March 2022, from https://www.chegg.com/homework-help/ecology-6th-edition-solutions-9780073532493

Ediriweera, I.V.W. (2005). Strategies adopted for sustained water supply and sanitation.

Ellawala, K. C., & Priyankara, D. P. M. P. (2016). Consumer satisfaction on quantity and quality of water supply: A study in Matara, Southern Sri Lanka. *Water Practice and Technology*, *11*(3), 678-689.

Fawell, J and Chipman, K. (2000). Endocrine disrupters, drinking water and public reassurance. Water Environ Manage, 5: 4–5.

Fan, A.M., Steinberg, V.E. (1996). Health implications of nitrate and nitrite in drinking water: an update on methemoglobinemia occurrence and reproductive and developmental toxicity. *Regul Toxicol Pharmacol* 23, 35–43.

Fawell, J. and Nieuwenhuijsen, M.J., (2003). Contaminants in drinking waterEnvironmental pollution and health. British medical bulletin, 68(1), pp.199-208.

Fewtrell, L., Pruss-Ustun, A., Bos, R., Gore, F., & Bartram, J. (2007). Water sanitation and hygiene: quantifying the health impact at national and local levels in countries with incomplete water supply and sanitation coverage.

Foster, S.S.D. and Gomes, D.C. (1989). Groundwater Quality Monitoring: An Appraisal of Practices and Costs. Pan American Centre for Sanitary Engineering and Environmental Science (CEPIS), Lima.

Gupta, P., Vishwakarma, M., & Rawtani, P. M. (2009). Assessment of water quality parameters of Kerwa Dam for drinking suitability. *International Journal of Theoretical & Applied Sciences*, *1*(2), 53-55.

Hallock, D (2002). A Water Quality Index for Ecology's Stream Monitoring Program.

Hunter, P.R., MacDonald, A.M. and Carter, R.C. (2010). Water supply and health. PloS Med. 7(11).

H. M. Ayala S. Herath, Kazusa Kubota, Tomonori Kawakami, Shiori Nagasawa, Ayuri Motoyama, S. K. Weragoda, G. G. Tushara Chaminda & S. K. Yatigammana (2017) Potential risk of drinking water to human health in Sri Lanka, *Environmental Forensics*, 18:3, 241-250

Harter T. (2003). Groundwater quality and Groundwater pollution. Division of Agriculture and Natural Resources University of California. Retrieved 25th March 2022 from http://groundwater.ucdavis.edu/Publications/Har_ter_FWQFS_8084.pdf. 2003.

Harvey, P. A. and Reed, R. A. (2004) Rural water supply in Africa: Building blocks for handpump sustainability, WEDC, Loughborough University, UK.

Harvey, P. A., & Reed, R. A. (2007). Community-managed water supplies in Africa: sustainable or dispensable?. *Community development journal*, *42*(3), 365-378.

Hickey, H. E. (2008). *Water supply systems and evaluation methods*. United States Fire Administration.

Hoek, W.V.D, Boelee, E. and Konradsen, F. (2002). Irrigation, Domestic Water Supply and Human Health, Water and Development, 2.

Hoko Z (2008). An assessment of quality of water from boreholes in Bindura District, Zimbabwe. Phys. Chem. Earth, 33: 824–828

Howard, G (2003). Water safety plans for small systems: a model for applying HACCP concepts for cost-effective monitoring in developing countries. Water Sci Technol 47(215), 20.

Hunter, P.R., MacDonald, A.M. and Carter, R.C. (2010). Water supply and health. PloS Med. *7(11).*

Hutton, G. and Batram, J. (2008). Regional and Global Costs of Attaining the Water Supply and Sanitation Target (Target 10) of the Millennium Development Goals. World Health Organization, Geneva, Switzerland.

Jachimowski, A. (2016). Factors affecting water quality before treatment. Ecological Engineering, 18(1), 118–125.

Karn SK, Harada H (2002). Field survey on water supply, sanitation and associated health impacts in urban poor communities – a case from Mumbai City, India. Water Sci. Technol., 46(11–12): 269–275.

Khan, A.A., Tobin, A., Paterson, R., Khan, H. and Warren, R., (2005). Application of CCME procedures for deriving site-specific waterquality guidelines for the CCME water quality index, Wat. Qual.Res. J. Canada., 40(4), 448-456.

Koç, C. (2017). Assessment of drinking water quality in Bodrum peninsula-tourism region, Turkey. *Environmental Progress & Sustainable Energy*, *37*(4), 1274-1284.

Kwena, R. and Moronge, M., (2016). Determinants of Sustainability of Rural Water Projects in Kenya: A Case Study of the Netherlands Development Organization (Snv) Supported Water Schemes in Kajiado County. The Strategic Journal of Business & Change Management, November, 2018(May), 9.

Kruawala K, Sacherb F, Wernerc A, Mqllerc J, Knepperc PT (2005). Chemical water quality in Thailand and its impacts on the drinking water production in Thailand. Sci. Total Environ., 340: 57–70.

Kumar, D. and Alappat, B. (2009). NSF-Water Quality Index: Does It Represent the Experts' Opinion, Pract. Period. Hazard. Toxic Radioact. Waste Manage., 13(1). 75-79.

Lammerink, M.P., Bolt, E., Jong, D. and Schouten, T. (1999). Community Water Management. PLA Notes, 35, 21-28.

Levesque, V. A. and Oberg, K. A. (2012). *Computing discharge using the Index Velocity Method*. United States Geological Survey, Techniques and Methods 3–A23. Reston, Virginia: U.S. Geological Survey.

Lewoyehu, M. (2021). Evaluation of drinking water quality in rural area of Amhara region, Ethiopia: the case of Mecha district. *Journal of Chemistry*, *2021*.

Lye, D. J. (2002). Health risks associated with consumption of untreated water from household roof catchment systems 1. *JAWRA Journal of the American Water Resources Association*, *38*(5), 1301-1306.

Mamta , Tomar, (1999). Quality Assessment of Water and Wastewater, Text Book ISBN1-56670-382-4.

Mead, P.S., Slustsker, L., Dietz, V., McCraig L.F., Bresee, J.S., Shapiro, C., Griffin, P.M. and Tauxe, R.V. (1999). Food-related illness and Death in the united States, Emerging Infectious Diseases, 5(5), 607-625).

Mimrose, D. M. C. S., Gunawardena, E. R. N., & Nayakakorala, H. B. (2011). Assessment of sustainability of community water supply projects in Kandy District..

Fan, M. (2015). Sri Lanka's water supply and sanitation sector: Achievements and a way forward.

Mkandawire T, Banda E (2009). Assessment of drinking water quality of Mtopwa village in Bangwe Township, Blantyre. Desalination, 248:557–561.

Montgomery, et al. (2009). Sustainability of Community Managed Water Supply Schemes in Ethiopia. Chubley Publications, The 12th World Lake Conference. 567-575.

Nagels, J.W., Colley, D. and Smith, D.G. (2001). A water quality index for contact recreation in New Zealand. Water Sci. Technol.43 (5), 285-292

National Water Supply and Drainage Board, 2007, Annual Report.

National Water Supply and Drainage Board, 2011, Annual Report.

National Water Supply and Drainage Board, 2018, Annual Report.

Obilonu, A. N., Chijioke, C., Igwegbe, W. E., Ibearugbulem, O. I., & Abubakar, Y. F. (2013). Water quality challenges and impact. *International Letters of Natural Sciences*, *4*.

Ojo, V. O (2011) Customer Satisfaction: A Framework for Assessing the Service Quality of Urban Water Service Providers in Abuja, Nigeria, Ph.D Thesis, School of Civil and Building Engineering Loughborough University, Loughborough

Oliver, R.L., (1997) Satisfaction: A Behavioral Perspective on the Consumer, in McMullan, Rosalind and Gilmore,

Panabokke, C. R., & Perera, A. P. G. R. L. (2005). Groundwater resources of Sri Lanka. *Water Resources Board, Colombo, Sri Lanka*, *28*.

Peter, G. (2010). Impact of rural water projects on hygienic behaviour in Swaziland. *Physics and Chemistry of the Earth* 35:772-779.

Provincial Planning Secretariat, Southern Province-Sri Lanka. Retrieved 25th March 2022 from http://planningsec.sp.gov.lk/

Radzka, E., Jankowska, J. (2015). System zarzadzania jakoscia wody pitnej w Polsce (Management system of drinking water quality in Poland). Zeszyty Naukowe Uniwersytetu Przyrodniczo-Humanistycznego w Siedlcach Seria: Administracja i Zarzadzanie, 107, 221–230.

Robert Damo, Pirro Icka, (2013). Evaluation of Water Quality Index for Drinking Water. *Pol. J. Environ. Stud. Vol. 22, No. 4 (2013), 1045-1051*

Sahoo, S., & Khaoash, S. (2020). Impact assessment of coal mining on groundwater chemistry and its quality from Brajrajnagar coal mining area using indexing models. *Journal of geochemical exploration*, *215*, 106559.

Schouten, T. & Moriarty, P. (2003), Community Water, Community Management. From System to Service in Rural Areas. ITDG Publishing, London.

Seneviratne, L.W. (2000). Challenges to Urban Water Management in Sri Lanka, International Journal of Water Resources Development, 16(1), 131-141.

Shayan, M. N. M., Tushara Chaminda, G. G., Ellawala, K. C., & Gunawardena, W. B. (2020). Evaluation of Water Quality of Community Managed Water Supply Schemes (CMWSS) in Galle District. In *Resilience, Response, and Risk in Water Systems* (pp. 139-150). Springer, Singapore.

Shakhawat Chowdhury, M.A. Jafar Mazumder b , Omar Al-Attas a , Tahir Husain c (2016) Heavy metals in drinking water: Occurrences, implications, and future needs in developing countries *Science of the Total Environment* ,569-570, 476-488

Shweta, T., Bhavtosh, S., Prashant, S. and Rajendra, D. (2013), Water Quality Assessment in Terms of Water Quality Index, American Journal of Water Resources, 1(3), 34-38.

Smith, A.H., G. Marshall, Y. Yuan, C. Ferreccio, J. Liaw, O. von Ehrenstein, C. Steinmaus, M.N. Bates, and S. Selvin. (2006). Increased mortality from lung cancer and bronchiectasis in young adults after exposure to arsenic in utero and in early childhood. Environmental Health Perspectives 114 (8), 1293-6.

Southern Provincial Council. 2018. Annual Report. Provincial Planning Secretariat Statistical data.

Sri Lankan Standard Institute. 2013. Drinking water standards 614:2013. First revision. Colombo: Sri Lankan Standard Institute.

Sri Lanka - Maps - ecoi.net. Retrieved 24 th March 2022 from https://www.ecoi.net/en/countries/sri-lanka/maps/?page=15

Suthar S, Bishnoi P, Singh S, Mutiyar PK, Nema AK, Patil NS (2009). Nitrate contamination in groundwater of some rural areas of Rajasthan, India. J. Hazard. Mater.,171: 189–199.

Timilsena, N. (2020). Users' Satisfaction with Domestic Water Supply in Nepal – A Study in Lekhnath Small Town Water Supply and Sanitation Project. *Technical Journal*, *2*(1), 135–148.

Tadessa Lencha, A., (2012). Rural water supply management and sustainability in Ethiopia with special emphasis on water suplly schemes in Adama area. through community participation in Sri Lanka. 31st WEDC International Conference.

United Nations (2005). The millennium development goals report 2005. UN, New York.

UNICEF and WHO, 2010. Progress on drinking water and sanitation: special focus on sanitation. World Health Organisation and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP). UNICEF, New York and WHO, Geneva, USEPA (U.S. Environmental Protection Agency), 2015.

Regulated drinking water contaminants. Online database. Available at: http://www.epa.gov/dw standards regulations Disinfectants (Accessed on Dec 02, 2015). Virha, R., Biswas, V.K., Qureshi, T.A., Borana, K., Malik, N., 2011.

Ugbaja, A., Edet, A., & Offiong, O. (2012). Application of statistical methods in evaluating groundwater in parts of Mamfe Embayment, Southeastern Nigeria. *Journal of Geography and Geology*, *4*(3), 1.

WHO/UNICEF. 2012. Joint Monitoring Programme for Water Supply and Sanitation.

WHO. 2009. Guidelines for Drinking-water Quality, World Health Organization, Geneva.

WHO.2010. Guidelines for Drinking-water Quality, World Health Organization, Geneva.

World Health Organization. 2011. *Guidelines for Drinking Water Quality*, 4th ed. Geneva, Switzerland: World Health Organization

Yadav, A. K., Kaushik, C. P., Haritash, A. K., Kansal, A., and Rani, N. (2006). Defluoridation of ground water using brick powder as an adsorbent. *Journal of Hazardous Materials* 128:289–293.

Yogendra, K. and Puttaiah E.T., (2008),'Determination of water quality index and suitability of an urban water body in Shimoga Town, Karnataka', Proceedings of Taal2007: The 12th World Lake Conference, pp. 342-346

Zandbergen P. A. and Hall K. I., (1988). Analysis of the British Colombia Water Quality Index for Watershed Managers: a case study of two small watersheds" Water Qual. Res. Can., 33, 510-525