## 7. BIBLIOGRAPHY

- Abdulla. (2012). Rainwater Harvesting in Tobruk, Libya. Libyan Agriculture Research Center Journal International, 178-182.
- Abdulla, & Al-Shareef. (2009). Roof rainwater harvesting systems for household water supply in Jordan. *Desalination*, 195-207.
- Aftab, T. B., Hasnain, S. A., & Iqbal, S. R. (2012). Save water and safe water: Evaluation of design and storage period on water quality of rainwater harvesting system. *Environment and Earth Science*, 106-111.
- AlHassoun. (2011). Developing an empirical formulae to estimate rainfall intensity in Riyadh region. *King Saud University - Engineering sciences*, 81-88.
- AlHassoun, S. A. (2011). Developing an emprical formula to estimate rainfall intensity in Riyadh region. *Journal of Kind Saud University - Engineering sciences*, 23, 81-88.

University of Moratuwa, Sri Lanka.

- Al-Muhtaseb, S., El-Naas, M., & Makhlouf, S. (2009), Biodegradation of phenol by Pseudomonas, putida immobilized in polyvinyl alcohol (PVA) gel. Journal of Hazardous Materials, 720-725.
- Amin, & Han. (2011). Microbial quality variation within a rainwater storage tank and the effects of first flush in Rainwater Harvesting (RWH) System. *Australian Journal of Basic and Applied Sciences*, 1804-1813.
- Ani, C., Shaari, Sairi, Zain, & Tahir. (2009). Rainwater Harvesting as an Alternative Water Supply in the Future. *European Journal of Scientific Research*, 132-140.
- Ariyabandu. (1999). Water security through rainwater harvesting. Integrated development for water supply and sanitation (pp. 366-388). Ethiopia: Addis Ababa.
- Ariyananda, T., & Wickramasuriya, S. (2009). *Rain water harvesting in Sri Lanka Economic Review*. Research Department. Sri Lanka: People's Bank.

- Basinger, M., Montalto, F., & Lall, U. (2010). A rainwater harvesting system reliability model based on nonparametric stochastic rainfall generator. *Hydrology*, 105-118.
- British Standard Institute. (2000). *Gravity drainage systems inside buildings. Roof drainage, layout and calculation.* British Standard Institute.
- Cain. (2010). A Different Path: The Global Water Crisis and Rainwater Harvesting. Sustainable Development, 187-196.
- Campisano, A., & Modica, C. (2012). Optimal sizing of storage tanks for domestic rainwater harvesting in Sicily. *Resources, Conservation and Recycling*, 9-16.
- Central Bank of Sri Lanka. (2013). *Economic and Social statistics of Sri Lanka*. Colombo, Sri Lanka: Statistics Department.
- Department of Census and Statistics Sri Lanka. (2013). *Population and Housing*. Retrieved 04 16, 2014, from Department of Census and Statistics - Sri Lanka: http://www.statistics.gov.lk/
- Department of Meteorology Sty Lanka (2012) *Climate in Sci Lanka*. Retrieved 04 16, 14, Electronic Department Of Service Sty Lanka: www.lib.mrt.ac.lk http://www.meteo.gov.lk/index.php?option=com\_content&view=frontpage& Itemid=1&lang=en
- Dwivedi, A. K., Patil, & Karankal. (2013). Rooftop Rain Water Harvesting for Groundwater Recharge in an Educational Complex. *Global Journal of Researches in Engineering Civil and Structural Engineering*.
- El-Naas, M. H., Al-Zuhair, S., Al-Lobaney, A., & Makhlouf, S. (2009). Assessment of electrocoagulation for th treatment of petroleum refinery wastewater. *Environmental Management*, 180-185.
- Farreny, R., Pinzon, T. M., Guisasola, A., Taya, C., Rieradevall, J., & Gabarrell, X. (2011). Roof selection for rainwater harvesting: Quantity and quality assessments in Spain. *Water Research*, 3245-3254.
- Gamage, N. (2006). Guidance on Use of Rainwater tanks for the Jaffna Peninsula. *The Institution of Engineers, Sri Lanka*, 21-27.

- Gamini, S. (2013). *Challenges in the water sector and wastewater sector*. Retrieved 04 16, 2014, from National Water Supply & Drainage Board: http://www.waterboard.lk/default.asp
- Gathenya, J., Kinyari, P., & Home, P. (2010). Domestic roof rainwater harvesting tank sizing calculator and nomograph. *JAGST*.
- Ghisi, E., Bressan, D. L., & Martini, M. (2007). Rainwater tank capacity and potential for potable water savings by using rainwater in the residential sector of southeastern Brazil. *Building and Environment*, 1654-1666.
- Gikas, & Tsihrintzis. (2012). Assessment of water quality of first-flush roof runoff and harvested rainwater. *Hydrology*, 115-126.
- Green Building Council of Sri Lanka . (2012). Rating System For Built Environment. Retrieved 04 16, 2014, from Green Building Council of Sri Lanka: http://srilankagbc.org/index.php
- Green, J., Xuereb, K., Johnson, F., Moore, G., & The, C. (2012). The Revised Intensity-Frequency Duration (JED) Design Rainfall Estimates for Australia -An Overview. 1 ethydrolog Tlande Water Resources in Symposium. Engineers Australia. WWW.lib.mrt.ac.lk
- Guozhen, Z., Yuanchao, Y., Xiaodong, L., & Weina, Z. (2011). Research and application of harvested rainwater in the villages and towns of China Loess Plateau region. *Energy Procedia*, 307-313.
- Handia, L., Tembo, J. M., & Mwiindwa, C. (2003). Potential of rainwater harvesting in urban Zambia. *Physics and Chemistry of the Earth*, 893-896.
- Helmreich, & Horn. (2009). Opportunities in rainwater harvesting. *Desalination*, 118-124.
- Hunt, L., Lombardi, R., Farmani, R., Jefferson, I., Memon, Butler, D., & Rogers, F. (2012). Urban futures and the code for sustainable homes. *Engineering Sustainability* (pp. 37-58). Institution of Civil Engineers.

- Jothiprakash, V., & Sathe. (2009). Evaluation of Rainwater Harvesting Methods and Structures Using Analytical Hierarchy Process for a Large Scale Industrial Area. Water Resources and Protection, 427-438.
- Khastagir, A., & Jayasuriya, N. (2010). Optimal sizing of rain water tanks for domestic water conservation. *Hydrology*, 181-188.
- Lanka Rain Water Harvesting Forum. (2009). Distribution of RWH systems in Sri Lanka. Retrieved 04 16, 2014, from Lanka Rain Water Harvesting Forum: http://www.lankarainwater.org/index.htm
- Lekwot, V. E., Samuel, I. O., Ifeanyi, E., & Olisaemeka, O. (2012). Evaluating the potential of rainwater harvesting as a supplementary source of water supply in Kanai (Mali) district of Zangon-kataf local government area of Kaduna State, Nigeria. *Global Advanced Research Journal of Environmental Science* and Toxicology, 038-045.
- Li, Z., Boyle, F., & Reynolds, A. (2010). Rainwater harvesting and greywater treatment systems for domestic. *Desalination 260*, 1-8. University of Moratuwa, Sri Lanka.
- Liew, S., Raghavan Electiong S., T& Sanders, Ri (2012). Development of intensity duration - Wequency. Burvesc. Incorporating climate change projection. International Conference on Hydroinformatics HIC 2012. Hamburg.
- Lim, K. Y., & Jiang. (2013). Reevaluation of health risk benchmark for sustainable water practice through risk analysis of rooftop-harvested rainwater. *Water Research*, 7273-7236.
- Meera, V., & Ahammed, M. (2006). Water quality of roof rainwater harvesting systems: A review. *Water supply, Research and Technology*, 257-268.
- Michigan Department of Transportation. (2000). *Research Report of Rainfall Intensity*. Michigan: Michigan Department of Transportation.
- Ministry of Urban Development and Water Supply. (2005). *National Rain Water Harvesting Policy and Strategies*. Retrieved 04 16, 2014, from Lanka Rain Water Harvesting Forum: http://www.lankarainwater.org/

- Mohammad, T. A., & AlHassoun. (2012). Sizing the Rainwater Tanks by Simulation of Daily Behavior Erformance For Non-Portable Usage. *Applied Sciences Research*, 1337-1350.
- Mun, J., & Han, M. (2012). Design and operational parameters of a rooftop rainwater harvesting system: Definition, sensitivity and verification. *Environmental Management*, 147-153.
- National Services Scotland. (2013). *Research Report Rainwater harvesting*. Scotland: Health Facilities Scotland.
- National Water Supply & Drainage Board. (2012). *Tariff.* Retrieved 04 16, 2014, from The G (Kjellen & Mcgranahan, 1997)azette of the Democratic Socialist Republic of Sri Lanka Extraodinary: http://www.waterboard.lk/default.asp
- Oni, Ege, E., Asenime, C., & Oke. (2008). Rainwater Harvesting Potential for Domestic Water Supply in Edo State. Indus Journal of Management & Social Sciences, 87-98.
- Parliament of the Democramatic Socialistus (2003) Amendment Act No.36. Sri Lanka Urban Development Authority. Dissertations
- Rahman, A., Keane, J., & Imteaz, M. A. (2012). Rainwater harvesting in Greater Sydney: Water savings, reliability and economic benefits. *Resources, Conservation and Recycling*, 16-21.
- Ranaweera, M. (2010). Sustainable development, ancient wisdom and Sri Lankan technology. *Internationa Conference on Sustainable Built Environment* (ICESBE-2010). Kandy.
- Rowe. (2011). Rain water harvesting in Bermuda. American Water Resources Association.
- Simonovic, & Peck, A. (2009). Updated rainfall intensity duration frequency curves for the City of London under the changing climate. Civil and Environmental Engineering. Canada: University of Western Ontario London.

- Vieira, S., Weeber, & Ghisi. (2013). Self-cleaning filtration: A novel concept for rainwater harvesting systems. *Resources, Conservation and Recycling*, 67-73.
- Zhu, K., Zhang, L., Hart, W., Liu, M., & Chen, H. (2004). Qulaity issues in harvested rainwater in arid and semi-arid loess Plateau of northern China. *Arid Environment*, 487-505.



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