

Publications of **B.V.Mudgal** for the past six years (2014-2020)

1. Vanaja S. J., Mudgal B. V. and Thampi S. B. "Rainfall-Runoff Modeling Using Doppler Weather Radar Data for Adyar Watershed, India" *Mausam*, Jan. 2014, Vol. 65, No. 1, pp.49-56 ISSN:0252-9416
2. Usha B. and Mudgal B.V. "Rainfall Variability over Smaller Spatial Scale" *Mausam*, April 2014, Vol. 65, No. 2, pp. 270-276 ISSN:0252-9416
3. Baanu B.B., Mudgal B.V. and Jalihal P. "Effect of duct extension on pneumatic efficiency of Backward Bent Duct Buoy (BBDB)" *ISH Journal of Hydraulic Engineering* Volume 20, Issue 2, 2014 pp. 192-199
4. Parameswari K and Mudgal B. V., "Geochemical investigation of groundwater contamination in Perungudi dumpsite, South India" *Arabian Journal of Geosciences* 2014 7(4), pp.1363-1371. ISSN: 1866-7511
5. Suriya S. and Mudgal B.V. "Assessment of Flood Potential Ranking of Subwatersheds: Adayar Watershed a Case Study" *IJRSET*, Volume 3, Issue 7, July 2014
6. Buvaneshwari S., Ravichandran V. and Mudgal B.V. "Thermal pollution modelling of cooling water discharge into a closed creek system" *Indian Journal of Marine Sciences*, Vol.43(7) July 2014 ISSN: 0379-5136
7. Josephine, V. S., Mudgal, B. V. and Thampi, S. B. "Applicability of Doppler weather radar based rainfall data for runoff estimation in Indian watersheds – A case study of Chennai basin", *Sadhana - Academy Proceedings in the Engineering Sciences research journal*, Vol. 39(4), pp. 989-997, 2014. DOI 10.1007/s12046-014-0258-1. ISSN:0256-2499
8. Hemamalini, J., B. V. Mudgal, and J. D. Sophia. "Changing Water Quality Scenarios of Tank Cascade System and its Implications' *Int. J. of Engineering Research*. Issue Special 3. pp.171-175. ISSN:2319-6890 (online), 2347-5013 (print) Dec. 2014
9. Prem Priya, S & Mudgal BV 2014, 'Evaluation and spatial mapping of hydrogeochemical parameters using geographic information system in Araniyar sub-basin, Tamil Nadu', *Indian Journal of Environmental Protection*, vol. 34, no. 5, pp. 353-364. ISSN : 0253 – 7141
10. Hemamalini, J., B. V. Mudgal, and J. D. Sophia. "Sustainability of tank eco-systems from IWRM perspective." *Aquatic Procedia* 4 (2015): 633-640.
11. Sunantha B., Mudgal B.V. Identifying Risk Consequences Affecting Berth Construction Projects. *Journal of Construction Engineering, Technology & Management*. 2016; 6(1): 57–60p.
12. Hemamalini, J., B. V. Mudgal, and J. D. Sophia. "Effect of untreated domestic and dye-industry effluent on treatment potential of a natural wetland in Tamil Nadu". *Eco. Env. & Cons.* 22 (September Suppl): (2016) pp. (S399- S405) ISSN: 0971-765X

13. Hemamalini, J., B. V. Mudgal, and J. D. Sophia. "Effects of domestic and industrial effluent discharges into the lake and their impact on the drinking water in Pandravedu village, Tamil Nadu, India." *GLOBAL NEST JOURNAL* 19, no. 2 (2017): 225-231.
14. Menon J., B.V. Mudgal and J.D.Sophia. "Participatory approach to Canal Automation adaptation in Parambikulam Aliyar Project – a case study". *Eco. Env. & Cons.* 22 (December Suppl): (2016) pp. (S415-S420) ISSN: 0971-765X
15. Hemamalini, J., B. V. Mudgal, and J. D. Sophia. "Impact of domestic and industrial effluent discharge on the tank ecosystem in Pallipattu block, Tamil Nadu, India." *CURRENT SCIENCE* 113, no. 1 (2017): 94.
16. Andimuthu, R., Kandasamy, P., Mudgal, B.V., Jeganathan, A., Balu, A. and Sankar, G., 2019. Performance of urban storm drainage network under changing climate scenarios: Flood mitigation in Indian coastal city. *Scientific reports*, 9(1), p.7783.
17. Ramachandran, A., Palanivelu, K., Mudgal, B.V., Jeganathan, A., Gugesesh, S., Abinaya, B. and Elangovan, A., 2019. Climate change impact on fluvial flooding in the Indian sub-basin: A case study on the Adyar sub-basin. *PloS one*, 14(5), p.e0216461.
18. Menon, Jailakshmi, B. V. Mudgal, M. Guruprasath, and S. Sivalingam. "Control of an irrigation branch canal using model predictive controller." *CURRENT SCIENCE* 118, no. 8 (2020): 1255.