

## List of Publications

1. Goyal, R.V., and Patel, H.M. (2011). "Use of EPANET for Water Quality Modelling Using Booster Chlorination of Drinking Water Distribution System." *International conference on Innovative Science, Engineering and Technology organised by VVP Engineering College, Rajkot, ISBN No – 978-81-906377-5-6*, 531-535.
2. Goyal, R.V., and Patel, H.M. (2011). "Evaluating Booster Chlorination Strategies in Urban Drinking Water Distribution System using EPANET- A case study." *4<sup>th</sup> International congress of Environmental Research organized by Journal of Environmental Research and Development (JERAD), Bhopal at SVNIT, Surat*.
3. Goyal, R.V., and Patel, H.M. (2012). "Effective Management of Chlorine using Booster Chlorination Approach in Urban Drinking Water Distribution System using EPANET Software." *National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering (HYDRO-2012), IIT Bombay*, 405-414
4. Goyal, R.V., and Patel, H.M.. (2013). "Hydraulic Analysis of Drinking Water Distribution System for Continuous and Intermittent Water Supply." *National Seminar of IWWA, Jodhpur, Rajasthan*.9-18
5. Goyal, R.V., and Patel, H.M. (2013). "Analysis of Residual Chlorine of Drinking Water Distribution System for Continuous and Intermittent Water Supply." *Proceedings of National Conference CRDCE13 at SVIT, Vasad, ISBN: 978-81-923462-3-6*, 1-9.
6. Goyal, R.V., and Patel, H.M. (2014). "Booster Chlorination Strategy for Managing Chlorine Disinfection in Drinking Water Distribution System – A Review." *International Journal of Engineering Research, ISSN: 2319-6890 (online), 2347-5013(print)*. 3(3), 175-179
7. Goyal, R.V., and Patel, H.M. (2014). "Analysis of chlorine application in Drinking Water Distribution System." *Journal of Indian Water Works Association (IWWA), ISSN: 0970-275X*, 171-178.
8. Goyal, R.V., and Patel, H.M. (2014). "Development of Optimization Model for Booster Chlorination Stations for Drinking Water Distribution System." *Hydro 2014 International conference on "Hydraulics, Water resources, Coastal and Environmental Engineering" Maulana Azad National Institute of Technology (MANIT), Bhopal (M. P), from 18-20<sup>th</sup> December 2014. ISBN: 978-93-84935-04-7. Chapter 85: 901-910.*

9. Goyal, R.V., and Patel, H.M. (2015). "Analysis of residual chlorine in simple drinking water distribution system with intermittent water supply." *Springer Open Access Journal of Applied Water Science*, online-May 2014, ISSN 2190-5487, DOI 10.1007/13201-014-0193-7, Print - September 2015, 5 (3), 311-319.
10. Goyal, R.V., and Patel, H.M. (2015). "Use of optimization technique for optimal scheduling of booster chlorination in drinking water distribution systems." *Journal of Environmental Science and Engineering (JESE)*, NEERI, Nagpur, ISSN 0367-827X, 57(1), 64-73.
11. Goyal, R.V., and Patel, H.M. (2016). "Optimal location and scheduling of booster chlorination stations for DWDS." *Taylor and Francis International Journal of Applied water Engineering and Research*, DOI: 10.1080/23249676.2015.1128367, ISSN: (Print) 2324-9676 (Online).1-10
12. Patel, H.M. and Goyal, R.V. (2016). "Optimal Design of Booster Chlorination System for Drinking Water Distribution Network using EPANET and PSO." *ASCE, World Environmental & Water Resource Congress 2016, Water, Wastewater and Storm water and Urban Watershed Symposium, West Palm Beach, Florida, USA*, ISBN 978-0-7844-7988-9, 255-263.