



Brief CV of Dr. Y.R Satyaji Rao

Dr. Y. R. Satyaji Rao Graduated in Civil Engineering from Osmania University, Hyderabad, Andhra Pradesh in the year 1990. Post Graduated in ‘Hydrology and Water Resources Engineering’ from Centre for Water Resources, Anna University, Chennai, Tamilnadu. Awarded Ph.D from Dept., of Civil Engineering, Indian Institute of Technology, Delhi. He had joined as Scientist at National Institute of Hydrology, Roorkee in the year 1992 and presently acting as Head of Deltaic Regional Centre, National Institute of Hydrology, Kakinada since 2004.

He is having 25 years research experience in the field of Hydrology especially on catchment water balance models, Hydrological monitoring network design, Rainfall-runoff modeling, ground water quality evaluation and modeling. He is having hands-on experience on application of Remote Sensing, GIS, and Artificial Neural Network tools. Important research projects completed are: East flowing river catchment water balances, establishment rainfall recharge coefficients in Mahandhi, Godavari, Krishna and Pennar deltas, nitrate transport modeling in coastal aquifers due to faulty septic tanks, hydrological time series modeling, estimation of reservoir sedimentation rate using Remote Sensing technique and storm water management in Chennai and Hyderabad etc. He is acting as member in regional committee on floods for A.P, Telangana, Tamilnadu and Pondicherry appointed by CWC, Govt., of India. Reviewed many technical papers and DST projects. Guided M.Tech projects and acted as external examiner Ph.D and M.Tech for various Universities. Worked as adjunct faculty at San Diego State University, USA under UNDP project and also selected for junior fellowship of IWMI, Srilanka. Published 125 technical papers in Journals and Conferences. Completed 20 in-house funded projects and Co-PI in various sponsored research projects. Consultancy projects completed for GMR, Bangalore; APGENCO, Andhra Pradesh; TSGENCO, Telangana, A.P State irrigation Dept., etc. Conducted many training programs on various facets of Hydrology at NIH, Kakinada for field Engineers. Presently working on groundwater salinity source identification in Godavari delta under National Hydrology Project, Govt., of India.