


BRIEF BIO DATA

1	Name	SATHIAN K.K		
2	Date of birth	16-05-1968		
3	Sex	Male		
4	Educational qualifications			
	Degree	Specialisation	University / Institute	Year
	B.Tech	Agricultural Engineering	Kerala Agricultural University	1990
	M.Tech	Soil & Water Engineering	IIT Kharagpur	1992
	MBA	Financial Management	Indira Gandhi National Open University, New Delhi	1999
	Ph.D	Water Resources	National Institute of Technology Calicut	2010
5	Experience			
	Post held	Organisation	Work Experience	Period
	Assistant Professor (Soil & Water Engg)	Kerala Agricultural University	Teaching Graduate & Post Graduate Students, Supervising B.Tech Project, M.Tech Thesis, Regular research work related to land & water management, Consultancy on Groundwater Recharge Augmentation, Detailed Project Report for Watershed Development	1992 to 1998
	Associate Professor	Do	Above said works plus Principal Investigator to external aided projects	1998 to 2011
	Professor	Do	Above said works, PhD research guidance, Principal Investigator to external aided projects.	2011 to continuing
	Professor & Head, Dept of SWCE	Do	Above said works, management of staff and resources of Dept of Land & Water Resources Engg.	2018 March to continuing
	Dean (Agrl)	Do	Above said works and management of the staff and	Apr 2018 to Sep 2022

	Engg)		resources of the entire Agricultural Engg Faculty of Kerala Agricultural University.	
6	Research projects / Consultancy woks / Additional responsibilities handled			
	1. Preparation of DPR for Groundwater Recharge for two Grama Panchayaths prepared and submitted to Jalandhi, Kerala State (in 2002 for 1.5 lakhs).			
	2. Preparation of DPR for Watershed Development for four Block Panchayaths of Malappuram Dt prepared and submitted to District Panchayath, Malappuram. (in 2008 for Rs. 15.5 lakhs).			
	3. Developing alternative drainage pump for Kole lands of Kerala in 2011.			
	4. Chairman Assessment Committe of IISR, Calicut for Technical staff; 2013 onwards.			
	5. Development of Geospatial Technologies Lab using external fund from RKVY (in 2015 for Rs. 47.0 lakhs).			
	6. Water harvesting works at KCAET Tavanur using external fund from planning board and SHM (in 2014 to continuing for Rs. 35.4 lakhs).			
	7. Development of efficient filter mechanism for rooftop water harvesting in 2016.			
	8. Academic Officer at KCAET Tavanur from 2010 to 2015.			
	9. Handled the charges of Placement Officer, Officer i/c of Purchase of Scientific equipments.			
	10. Present Research guidance: PhD -4; M.Tech - 1; B.Tech -1.			
	11. Principal Investigator to external aided project on Pricision Farming Development Centre (from Mar 2018 to continuing).			
	12. Principal investigator to the Revolving Fund Scheme on Geospatial Division (from Jan 2018 to continuing).			
	12. Head of Dept of Land and Water Resources Engineering (from Jan 2018 to continuing).			
	13. Head of faculty of Agricultural Engg as Dean (Agrl Engg) (from Jan 2018 to continuing).			
	14. Master plan for the revitalisation of the dysfunctional minor irrigation projects in Tavanur Panchayath.			
	15. Preparation of master plan for the comprehensive development of Govt Agricultural Farms of Kozhikkode Dt			
	16. Preparation of master plan for the comprehensive development of Govt Agricultural Farms Kannur Dt.			
	17. Preparation of master plan for the comprehensive development of Regional			

	Poultry Farm, Kozhikkode
	18. Chairman of Board of studies of Faculty of Agrl Engg of Kerala Agrl University from Apr 2018 to Sep 2022.
	19. General Council Member of Kerala Agrl University from 2017 to 2020.
7	Resent Publications
	Peer reviewed
	Bowelkar A P., Sathian K.K., Vaishak V., 2023. Rainfall versus water balance compoements using R software: A case study on a micro watershed in the mid lands of Kerala, Journal of Experimental Agriculture International Vol 45 (10): 355-366.
	Anjaly C.S., Sathian K.K., Anu V., Jinu A., 2023. Assessment nad mapping of a shallow aquifer near an industrial belt using hydro chemical parameters and irrigation water quality index, Journal of Agricultural Engineering Vol 60 (1):
	Pasha M.M., Sathian K.K., 2021. Comparison of open source DEM's for morphometric analysis of micro watersheds. International Journal of Plant and soil Science 33(22): 267-281.
	Pasha M.M., Sathian K.K., 2021. Characterization of prioritization of micro watersheds using geospatial techniques. International Journal of Environment and Climate Change. 11(8): 68-81.
	Jyothy N., Sathian K.K., 2021. Laboratory calibration of capacitance based soil moisture sensor to monitor sub surface soil movement in laterite soil. International Journal of Plant and soil Science 33(17): 137-147.
	Jyothy N., Sathian K.K., 2021. Laterite flow assessment in laterite terrain under simulated rainfall condition. Indial Journal of soil conservation 49(2): 112-117.
	Deepthi S.N., Jinu A., Sathian K. K., 2021. Exploratory study for assessment of greenhouse cultivation problems in Kerala. International Journal of current Research 13(11): 734-738.
	Deepthi S.N., Jinu A., Sathian K. K., 2021. Effect of aging on cladding material on crop yield under greenhouse cultivation. International Journal of Environement and Climate Change 11(9): 60-69.
	Adarsha G.B., Jinu A., Sathian K. K., 2021. Development of small scale indore hydroponic fodder production system. 11(7): 47-51.
	Adarsh S.S., Jyothi N. and Sathian K.K. 2020. Determination of sub surface storm flow velocity using tracer. International journal of Current Microbiology and Applied Sciences 8 (11): 77-84
	Tejaswini, V., Sathian K.K., 2018. Calibration and validation of SWAT model for Kunthipuzha sub basin using SUFI – 2 algorithm, Internation Journal of Current Microbiology and Applied Sciences 7(1): 2162-2172
	Tejaswini, V., Sathian K.K., 2018. Assessment of hydrological process in a small watershed using SWAT, Internation Journal of Agricultural Engineering 11(1): 41-48.

	Lakshminarayana, S.V., Sathian K. K., 2017. Assessment of Performance of Upward Flow Micromesh Filters of Different Mesh Sizes under Actual Rainfall Condition, Research Journal of Agricultural Sciences 8(1): 246-249.
	Lakshminarayana, S.V., Sathian K. K., 2017. Performance Evaluation of First Flush with Micromesh Filter System under Actual Rainfall Condition, International Journal of Microbiology and Applied Sciences, 6(3): 1-10.

Sd/-
Prof (Dr) Sathian K.K

