


Faculty Profile

General					
Name	MADHUSUDHAN M S				
Designation, Department & Affiliated Institution	Assistant Professor Department of Civil Engineering, P.E.S College of Engineering, Mandya – 571 401				
Permanent Address	Madhusudhan M S S/O Srinivasa R, #19/A, “Srinivasa Nilaya”, 1 st Cross, Udayagiri, Mandya 571401.				
Research Area	Water Resources & Watershed Management using RS & GIS				
Contact Number	+91 8970174797				
Email ID	msm8970@gmail.com , madhusudhanms@pesce.ac.in , training@pesce.ac.in				
Academic Profile					
Educational Qualifications					
Degree	College	University	Year of Passing	% ge / CGPA	Class
Ph.D.	VTU P.G Centre, Belagavi	VTU	Pursuing		
M. Tech	VTU P.G Centre, Belagavi	VTU	2016	84.41	FCD (GOLD MEDALIST)
B.E	PESCE, Mandya	VTU	2013	83.4 (9.09)	FCD
Professional Experience					
Organization & dept.	Designation	Period	Total of Experience		
Sobha Developers	Planning Engineer	Aug 2013 – Aug 2014	01 Year		
South East Asian College of Engineering & Technology	Assistant Professor	Jan 2017 – Jul 2019	2.5 Years		
Mysuru Royal Institute of Technology	Assistant Professor	Jul 2019 – Sep 2020	01 Year		
PESCE, Mandya	Assistant Professor	1 st of October 2020-Till date	2.5 Years		
Report of Work					
Teaching (Details of courses taught)	Fluid Mechanics, Applied Hydraulics, Hydraulic Structures, Hydrology & Irrigation Engineering, Open Channel Hydraulics, Groundwater & Hydraulics, Water Resources and Management, Hydraulic Structures and Irrigation Drawing, Environmental Engineering – II, Building Materials and Construction.				
Research Guidance (Ph.D /M.Sc Engg Student awarded & pursuing)	Awarded		Pursuing		
	Ph.D	M.Sc Engg	Ph.D	M.Sc Engg	
	-	-	-	-	
Additional Responsibilities					
College Level	1. Assistant Training Officer, PESCE, Mandya.				
Department Level	1. NBA Criteria 7 Co-ordinator 2. Project Co-ordinator (2022-2023) 3. Survey Co-camp Officer (2022-2023) 4. Time table Co-ordinator (2022-2023) 5. Sports Co-ordinator (2022-2023)				

Publications		
Papers in Refereed Journals (No.)	National	International
	-	14
Papers at Conferences (No.)	National	International
	02	01

LIST OF PUBLICATIONS

PATENTS

1. Indian Patent “A NOVEL METHOD TO REDUCE HARDNESS BY USING FILTER MATERIALS”
Application No. 202341029755, Published – 26/05/2023.

JOURNALS

1. Madhusudhan M S, Yogeesha K C, Sahana M S, Prakruthi R, Varun L. (2021) “Application of SWAT model in estimating Surface Runoff values for Shimsha Watershed” at International Journal of Engineering Development and Research (IREDR), Vol. 9, Issue 3, pp. 9-16, September 2021.
2. Madhusudhan M S, H J Ningaraju, Shashank Patil M R, Samarth Raj. (2021) “Monotonic Trend Analysis of Temperature Series over Mandya City, Karnataka” at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 9, Issue 7, pp. 1530-1535, July 2021.
3. Madhusudhan M S, Vinay S N, Savitha J C, Nazeer M Gadad, Srikanth M N. (2021) “Crop Water and Net Irrigation Requirement of Major Crops Grown in Mandya City using Cropwat 8.0” at International Journal of Engineering Research and Technology (IJERT), Vol. 10, Issue 6, pp. 45-50, June 2021.
4. Madhusudhan M S, H J Ningaraju, Shashank Patil M R. (2021) “Analysis of Rainfall Trend Series using Mann-Kendall and Sen’s Slope Estimator Statistical Test in Mandya District, Karnataka” at International Research Journal of Engineering and Technology (IRJET), Vol. 8, Issue 5, pp. 3387-3393, May 2021.
5. Madhusudhan M S, Vandana P, Tahir Arif Peer, Manoj G. (2020) “Dam Break Analysis of Krishnarajasagara Dam due to Overtopping Failure by HEC-RAS” at International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 8, pp. 476-480, August 2020.
6. Madhusudhan M S, Anand V Shivapur, Basavaraj D Badiger. (2020) “Design of Water Supply Distribution Network using EPANET Software for Palahalli Village, Mandya District, Karnataka.” at International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 8, pp. 44-49, August 2020.
7. H J Ningaraju, Madhusudhan M S, Usha K. (2019) “Assessment of Sedimentation in KRS reservoir of Karnataka, India using Remote Sensing Technique” at International Research Journal of Engineering and Technology (IRJET), Vol. 6, Issue 9, pp. 1290-1293, September 2019.

8. Madhusudhan M S, Mani K, R Gayathri Devi, Lavanya V, Kota Venkat. (2018) "Site Selection by Integrated Approach Using RS & GIS" at International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 6, pp. 372-381, June 2018.
9. Madhusudhan M S, Irfan S, Ashrith J C. (2018) "Design Flood Estimation of Upper Tunga Basin for Various Return Periods" at International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 6, pp. 232-238, June 2018.
10. Madhusudhan M S, D Devi Shalini, Ganesh Kumar N, Shrikanth S H, Sushma G. (2018) "Optimal Design of Fragmented Sewage Purification for Urban Household" at International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 5, pp. 753-760, May 2018.
11. Madhusudhan M S, Srikanth K R, Lavanya T. (2018) "Rainfall Runoff Modelling of Upper Tunga Basin with the Integration of Arc-GIS and SWAT" at International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 4, Issue 5, pp. 819-825, May 2018.
12. Abhijit B Hosurkar, Madhusudhan M S, Anand V Shivapur. (2016) "Estimation of Flood Magnitudes for various Return periods for selected stretch of Dudhganga River" at International Research Journal of Engineering and Technology (IRJET), Vol. 3, Issue 6, pp. 1659-1662, June 2016.
13. Madhusudhan M S, A V Shivapur. (2016) "Application of SWAT Model in Generating Surface Runoff for Bennihalla River Basin" at International Research Journal of Engineering and Technology (IRJET), Vol. 3, Issue 6, pp.1093-1097, June 2016.
14. Madhusudhan M S, A.V Shivapur. (2016) "Demonstration of Estimating Flood Submergence area for a selected stretch on Bennihalla River by Integrating HEC-RAS with SWAT" at International Research Journal of Engineering and Technology (IRJET), Vol. 3, Issue 6, pp. 1098-1104, June 2016.

INTERNATIONAL CONFERENCES

1. Madhusudhan M S, Surendra H J, Harshitha J, Lekhana P S, Kusumanjali T S. (2022) "Estimation of Flood Discharges for various Return Periods at Kabini Dam using Statistical Approach" Advances in Transdisciplinary Engineering, Vol. 31, pp. 940-947. DOI:10.3233/ATDEE220957.