

Faculty Profile

Brief Profile (Few Paragraphs)



Dr. Sindhu D, obtained B.E. in Civil Engineering from Bangalore University in 2009, M.E. in Water Resources Engineering from Bangalore University in 2011 and Ph.D. from Visvesvaraya Technological University in 2022. Currently she is serving as an Assistant Professor in Department of Civil Engineering, RV College of Engineering, Bengaluru since 2012. Her research domain is focused on Hydrology, Watershed Management, Remote Sensing and GIS applications. She has guided around 15 Undergraduate projects and contributed to multiple consultancy assignments. She has presented papers at national and international conferences and has contributed to book chapter. She is a life member of various professional bodies.

Personal Information

- **Name:** Dr. Sindhu D
- **Designation:** Assistant Professor
- **Department:** Civil Engineering
- **Email:** sindhud@rvce.edu.in

Google Scholar: <https://scholar.google.com/citations?user=1D9hgn0AAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0001-5110-5812?lang=en>

Domain of Expertise: Water Resources

Research Focus

- **Primary Area:** Watershed Management, Remote Sensing and GIS

Academic Qualifications

- **Ph.D.:** Civil Engineering, VTU, 2022
- **M.E.:** Water Resources Engineering, Bangalore University, 2011
- **B.E.:** Civil Engineering, Bangalore University, 2009

Professional Experience

Experience			
Sl. No.	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Assistant Professor	09/01/2012 – Till Date

Publications

Journal Publications

- Ashish Pawar, Lohith H G, Chilesh Kumar J U, Bhargavkumar P G, Sindhu D, Estimation of Evapotranspiration using CROPWAT 8.0 Model, International Journal of Engineering Research & Technology NCRAEM, 2020, Volume 09, Issue 15, PP: 50 –54.
- Sindhu D., A. S. Ravikumar, B. L. Shivakumar, Evaluation of Nutrient Index for Soil Fertility of Siddapura Catchment, Karnataka State, International Journal of Advanced Research in Engineering and Technology, Vol. 10 (6), 2019, pp:164-173.
- Sindhu D., Sadashivappa, A. S. Ravikumar, B.L. Shivakumar (2015) , “Quantitative Analysis of Catchment Using Remote Sensing and Geographic Information System”, Elsevier Aquatic Procedia, Volume 4, March 2015, pp:1421-1428, ISSN: 2214-241X.
- Sindhu D., B.L.Shivakumar, A.S. Ravikumar (2013), “Estimation of Surface Runoff in Nallur Amanikere Watershed Using SCS-CN Method”, International Journal of Research in Engineering and Technology, IC-RICE Conference Issue.

Conference Papers

1. K Bopanna Nanada, Sindhu D, “Sensor Based Water Quality Monitoring, *National Hybrid Conference on Research and Innovations in Civil Engineering and Architecture*, 2023.
2. Sindhu D, Shashikiran C R, Goutham Prasad M E, “Suitability of Ground Water for Drinking Water Purpose Using RS and GIS”, *International Virtual Conference on Sustainable Water 2022 (ICSW – 2022)*, 2022.
3. Sindhu D., A.S. Ravikumar and B.L. Shivakumar “Evaluation of Soil Water Crop Compatibility Using RS and GIS Techniques”, *International Virtual Conference on Innovative Trends in Hydrological and Environmental Systems (ITHES-2021)*, 2021.
4. Sindhu D., B. L. Shivakumar, A.S. Ravikumar “Assessment of Suitability of Water for Irrigation in Harangi Command Area, Karnataka State”, *24th Hydro 2019, International Conference*, 2019.
5. Sindhu D., A.S. Ravikumar and B.L. Shivakumar, “Morphometric Analysis of Watersheds using Remote Sensing and GIS Techniques”, *International Conference on Emerging and Sustainable Trends in Civil Engineering (ESCE 2018)*, 2018.
6. Sindhu D., A.S. Ravikumar and B.L. Shivakumar, “Quantitative Analysis of Catchment using Remote Sensing and Geographic Information System”, *International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE’15)*, 2015.
7. “Estimation of Surface Runoff in Nallur Amanikere Watershed Using SCS-CN Method”, *International Conference on Recent Innovations in Civil Engineering (IC-RICE 2013)*, 2013

Books/Book Chapters

1. Sindhu, D., Ravikumar, A.S., Shivakumar, B.L., “. Evaluation of Soil Water Crop Compatibility

Using RS and GIS Techniques”. In: Dikshit, A.K., Narasimhan, B., Kumar, B., Patel, A.K. (eds) Innovative Trends in Hydrological and Environmental Systems. Lecture Notes in Civil Engineering, vol 234. Springer, Singapore. https://doi.org/10.1007/978-981-19-0304-5_32.

Completed Consultancy Projects

- Vetting of Impounding Reservoir – Chikkamadinala Project, 2018.
- Vetting of the WTP Hydraulic designs and drawings – Pavagada Project, 2019.
- Vetting of Impounding Reservoir – Herur & Hulihyder Project, 2019.
- Vetting of Multi Village Drinking Water supply project at Bellary District, Sanduru Taluk, 2021.
- Vetting of the general arrangement drawings – Multi Village Drinking Water supply project at Bellary District, Sanduru Taluk, 2022.
- Vetting of the detailed project report of Water Supply Scheme to Hospete Taluk, Bellary District Karnataka, 2022.

Professional Memberships

- Life Member of “Indian Society of Remote Sensing” (L 4106).
- Life Member of the “Indian Association of Hydrologists”, Roorkee, India, (LM-1851).
- Life Member of the “Indian Society for Technical Education”, (LM-105898).

Student Supervision

- Ph.D. Candidates: ---
- M.Tech/M.Sc. Students: ---
- Undergraduate Research Mentees: 15

Professional Roles

Teaching

Core Courses: [Current semester]

- CV343AI: Mechanics of Fluids
- CV123ATB: Elements of Civil Engineering

Advanced/Lab Courses:

- Mechanics of Fluids

Responsibilities

- **Academic:** Member Exam conduction Coordinator,
- **Administrative:** Member Budget committee, Member Department Alumni Committee, Member Skill Lab Committee, Fluid Mechanics Lab In – charge.