


FACULTY PROFILE

Name of the faculty	Dr. Kumar Raju B C	
Designation	ASSOCIATE PROFESSOR	
Contact Number	9742501982	
Email ID	kumarraju@sapthagiri.edu.in	

Educational Qualification

Degree	Specialization	University	Year of Passing
PhD	RS and GIS Application in Water Recourses	NITK Surathkal	2016
M Tech	Remote Sensing and GIS	NITK Surathkal	2010
B E	Civil Engineering	VTU Belgaum	2008

Work Experience

Teaching	Research	Industry
4 yrs 6 month	4 Yrs	1 yrs

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
05	06	01

Area of Interest

➤ Remote sensing and Geographical information system	
➤ Hydraulics	
➤ Water Resources Engineering	
➤ Surface Water Hydrology	

Subject Taught

Water Conservation Practices (Post-Graduate)	Elements of Civil Engineering and Mechanics (Graduate)	Surveying I (Graduate)
Fluid Mechanics (Graduate)	Surveying II (Graduate)	Railway and Airport Engineering (Graduate)
Applied Hydraulics (Graduate)	Hydraulic Structure (Graduate)	Ground Water Hydrology (Graduate)
Hydrology and Irrigation Engineering(Graduate)	Fluid Mechanics Lab (Graduate)	Surveying Lab (Graduate)
Water Resource Management	Remote Sensing and GIS	

Outside Experience

Sl. No	Place of Work	Designation	Period	
			From	To
1	ACS College of Engineering, Bangalore	Associate Professor	25/07/2016	25/07/2019
2	Jain University, Ramanagara	Assistant Professor	20/07/2015	20/07/2016
3	National Institute of Technology Karnataka, Surathkal	Research Scholar	26/07/2011	19/07/2015
4	Scanpoint Geomatics Ltd. Ahmadabad	Trainee Engineer	17/08/2010	25/07/2011

Membership in Professional Bodies/University Bodies/Organization

1. Life Member of "Indian society for Technical Education" – LM117227
2. Life Member of "Indian Water Works Association" – LM8752
3. Associate Member of "Institution of Engineers (India)" – M 163948-4

PublicationsNational/International Journals

1. Gayathri G, **Kumar Raju B. C.**, Dinesh Shankar Reddy and Beulah M (2017) “Defluoridation of Ground Water Using Low Cost Adsorbents”, International Journal of Earth Sciences and Engineering.
2. **Kumar Raju B. C.** and L. Nandagiri (2017) “Analysis of Hydro-Meteorological Trends Over Upper Cauvery Basin” , Current science, 112(3), 577-587
3. **Kumar Raju B. C.** and L. Nandagiri (2017) “Assessment of Variable Source Area Hydrological Models in the Upper Cauvery Basin, India”, International Journal of River Basin Management, 15(4), 1-12
4. **Kumar Raju B. C.** and L. Nandagiri (2015) “Identification of Hydrologically Active Areas in a Watershed using Satellite Data”, International Conference On Water Resources, Coastal And Ocean Engineering – ICWRCOE’2015, National Institute of Technology Karnataka, Surathkal. Published in Aquatic Procedia (Elsevier), 4, 1339-1344 DOI:10.1016/j.aqpro.2015.02.174
5. **Kumar Raju B. C.** and L. Nandagiri (2015) “Evaluating Uncertainty of the SWAT Model in the Upper Cauvery River Basin, Karnataka, India”, International Journal of Earth Sciences and Engineering.

Books

1. Kumar Raju B. C. & L. Nandagiri, Modeling Regional Actual Evapotranspiration Using Satellite Data. LAP LAMBERT Academic Publishing, ISBN-13: 978-3-8454-0973-3, 2011

National /International Conferences

1. **Kumar Raju B C**, and Sanjeev Gadad (2018) “Review on remote sensing and GIS for lake management”, AIP Conference Proceedings, 2039, 020023, International Conference on Sustainable Engineering and Technology (Iconset 2018) at ACSCE, Bangalore.
2. Sanjeev Gadad and **Kumar Raju B C** (2018) “Application of hybrid AI techniques for wind speed modeling in the Arabian Sea”, AIP Conference Proceedings, 2039, 020024, International Conference on Sustainable Engineering and Technology (Iconset 2018) at ACSCE, Bangalore.
3. **Kumar Raju B. C.** and L. Nandagiri (2017) “Assessing Uncertainty of Variable Source Area, Hydrological Model in Harangi Watershed, Karnataka State, India”, 37th IAHR World Congress, Kuala Lumpur, Malaysia.
4. **Kumar Raju B. C.** and L. Nandagiri (2015) “Application and Test of the SWAT Model in the Upper Cauvery River Basin, Karnataka, India”, 4th International Engineering Symposium – IES 2015, Kumamoto University, Japan.
5. **Kumar Raju B. C.**, L. Nandagiri and Keerthi Lakshmi (2010) “Modeling Regional Actual Evapotranspiration over Netravathi basin Using Satellite Data”, National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering - HYDRO-2010 held at MMU, Mullana during 16-18 December 2010.
6. **Kumar Raju B. C** and Amba Shetty, (2010) “Morphometric Analysis of Netravathi Basin Using GIS Techniques”, National Conference on Sustainable Water Resources Management – SWaRM 2010 held at National Institute of Technology Karnataka during 07-09 January 2010.

Faculty Development Programme Participated

1. Winter School on “**Research Tools for Evaluating Availability and Safety of Surface Water and Groundwater**” conducted by Department of Civil Engineering, IISC, Bangalore, India during 6th February 2012 to 10th February 2012.
2. Symposium on “**Outstanding Issues for Hydrological Research in India**” conducted by Department of Applied Mechanics & Hydraulics, NITK, Surathkal, Karnataka, India on 21st October 2013.
3. Short term course on “**Database and Windows Application Development**” conducted by NIIT, Bangalore, during March 2011 to June 2011.

Workshop Attended

1. National level workshop on “**Advanced Applications of GIS and Remote Sensing in Land, Water and Environment**” conducted by Department of Geography, University of Mysore, India, during 4th July 2011 to 10th July 2011.
2. National workshop on “**Conservation of Water Resources of West Flowing Rivers in Coastal Karnataka**” conducted by Department of Applied Mechanics & Hydraulics, NITK, Surathkal, Karnataka, India during 14th December 2012 to 15th December 2012.
3. National workshop on “**Geoinformatics for Natural Resource Management**” conducted by Department of Applied Mechanics & Hydraulics, NITK, Surathkal, Karnataka, India during 30th January 2013 to 31st January 2013.
4. National workshop on “**Writing Research Proposal, IPR & Patenting**” conducted by ACS College of Engineering, Karnataka, India during 31st July 2017 to 2nd August 2017

Awards/Recognitions/achievements:

1. Participated in zone level quiz competition for civil engineering students "STIMULUS-07" conducted by ULTRA TECH cements
2. Government of India Fellowship for Ph.D. studies
3. Awarded Best Paper Award for the paper titled “Identification of Hydrologically Active Areas in a Watershed using Satellite Data” presented at the International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE '15), 12-14 March 2015 organised by Department of Applied Mechanics and Hydraulics, NITK Surathkal
4. **Grants Received** AICTE-ISTE sponsored 6 days induction programme on Geoinformatics for Natural Resource Management (GNRM'18) during 16th to 21st July 2018 (Sanctioned Amount **Rs. 3,00,000/-**)
5. **Invited technical speaker in FDP/Workshops : 7**
Technical Expert/Chair : 3