



Dr. S Vidyavathi

B.Tech., (Civil)M.E.(WRE),Ph.D. (IIT
Bombay),PGDCS (HCU)

Professor

ISH,IAH,IE

Civil Engineering

Areas of Interest:

Areas of research interests include Watershed Modelling, Applications of RS&GIS in Civil Engineering and allied areas, Optimization Techniques with applications in Civil Engineering, Distributed Data Mining, Heterogeneous Data Integration in GIS/Data Migration for GIS, Waste Water Treatment, Effective Agricultural Management Practices and GIS Applications.

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Dr. S. Vidyavathi is currently working as **Professor** in Department of **Civil Engineering, JNTUH College of Engineering, JNTUniversity, Kukatpally, Hyderabad**. She has about **18 years of teaching and research experience**.

^ ^ ^ ^ ^ ^ ^ ^ ^ ^ Apart from her regular **teaching activity**, she has **guided 5 Ph.DTMs, 15 M.TechTMs and several B.Tech projects**. **Presently she is guiding 07 Ph.DTMs and is actively involved in research**. Dr.S.Vidyavathi has chaired^ various technical sessions in many international conferences held in India and Abroad. She has about **25 research publications** in reputed **International and National Journals** and about **10 in International and National Conferences**.

^ ^ ^ ^ ^ ^ ^ ^ Her **Areas of research interests include Watershed Modelling, Applications of RS&GIS in Civil Engineering and allied areas, Optimization Techniques with applications in Civil Engineering, Distributed Data Mining, Heterogeneous Data Integration in GIS/Data Migration for GIS, Waste Water Treatment, Effective Agricultural Management Practices and GIS Applications**. She is a life member of professional bodies namely^ Indian Society for Hydraulics, Indian Association of Hydrologists and Institution of Engineers.

^ ^ ^ ^ ^ ^ ^ ^ Apart from her **teaching and research activities**, Dr.S.Vidyavathi served JNTUH^ in various capacities as Officer in Charge at Institute of Science and Technology Examination Section, JNTUH,^ Member Board of Studies for M.Tech Spatial Information Technology programmes at JNTUH, Convenor of various fact finding committees and Staff Selection Committee Member to several affiliated colleges of

JNTUH.^ ^

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- ▶ **Educational & Professional**

- ▶ **Academic Qualifications**

- ▶ Ph.D in HWRE & RS GIS , IITB with CGPA 9.3 (1998-2003)

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M.Tech in HWRE , ANNA UNIVERSITY with I CLASS WITH DISTINCTION (1996-1998)

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B.Tech in CIVIL ENGINEERING , NAGARJUNA UNIVERSITY with I CLASS WITH DISTINCTION (1992-1996)

▶ **Professional Experience**

- ▶ **At JNTUH**

- ▶ PROFESSOR, JNTUH (2017 - Till Date)

- ▶ ASSOCIATE PROFESSOR, JNTUH (2006 - 2017)

- ▶ ASSISTANT PROFESSOR, JNTUH (2000 - 2006)

- ▶ **Publications**

- **International Journals**

- ▶ Vidyavathi Somepalli, *Water Quality Index and GIS based Technique for Assessment of Ground Water Quality in Wanaparthy Watershed, Telangana India*, International Journal of Scientific Research in Science and Technology , ISBN No.2395 - 6011, Vol No.10, Issue No.1, pp.175-189, JANUARY - FEBRUARY , 2023
- ▶ Vidyavathi Somepalli, *Geo Spatial Technology Based Studies of Water Quality of a Town due to Urbanization Effects From Telangana State India*, International Journal of Novel Research and Development , ISBN No.2456 - 4184, Vol No.8, Issue No.1, JANUARY , 2023
- ▶ Vidyavathi Somepalli, *The usefulness of dual polarization data to discriminate crops from different scattering mechanisms*, International Journal of Engineering Research and Applications , ISBN No.2248-9622, Vol No.11, Issue No.5, pp.59-63, MAY, 2021
- ▶ Vidyavathi Somepalli, *Crop Discrimination Using Post Rainy Season Multispectral Data From LISS III And LISS IV In Two Coastal Districts Of Andhra Pradesh, India*, International Journal of Engineering Research and Applications , ISBN No.2248-9622, Vol No.11, Issue No.5, pp.43-45, MAY, 2021
- ▶ Vidyavathi Somepalli, *Identification of optimal single date for rice crop discrimination and relationships between backscatter and biophysical parameters using RISAT-1 hybrid polarimetric SAR data*, Geocarto International, ISBN No.1010 - 6049, Vol No.36, Issue No.17, pp.2010-2022, Taylor & Francis , MAY, 2021

- ▶ **Teaching**

- ▶ Fluid Mechanics & Hydraulic Machinery Lab in Civil Engineering & Mechanical Engineering II - II (2023)
- ▶ Remote Sensing & GIS in Civil Engineering IV - I (2023)
- ▶ Fluid Mechanics in Civil Engineering II - I (2023)
- ▶ Hydrology & Water Resources Engineering in Civil Engineering III - II (2023)

- ▶ **Administrative Positions Held**

- ▶ University Nominee to Various Affiliated College under JNTUH, JNTUH, 05 Mar 2009 - Present
- ▶ PROFESSOR, JNTUH, 08 May 2009 - 14 Jun 2012
- ▶ OIE, PG Exam Section, IST, JNTUH, JNTUH, 01 Feb 2009 - 22 Apr 2011

- ▶ **Project/Research Guidance**

- **Students**

Student Name	Title	Year	Download
Mr.G.Shankaraiah	Degradation o Commonly used Antibiotics using Advanced Oxidation Process	2020	
Ms.D.Suma Chandrika	Effect of Conservation Agricultural Management Practices in Dryland Soils	2019	

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