

## BIO-DATA



Name : **Dr. M.V.S.S. Giridhar**  
Present Position : Associate Professor  
Address for Correspondence : Centre for Water Resources,  
Institute of Science and Technology,  
J N T University Hyderabad,  
Kukatpally, Hyderabad – 500 085  
Phone : 9440 590695 (Cell), 040-23157220 (Res)  
e-mail : [mvssgiridhar@gmail.com](mailto:mvssgiridhar@gmail.com)  
Residential Address : Plot No. 81, HIG Area,  
Opp : SAGA Travels, IX – Phase,  
K P H B Colony, Kukatpally,  
Hyderabad – 500 072.  
Permanent Address : S/o Sri. M.V. Subbaiah,  
Plot No:81, IX Phase,  
Opp: Ramdev Electricals,  
HIG Area, KPHB Colony,  
Kukatpally, Hyderabad – 500 072  
Father's Name : Sri. M. V. Subbaiah  
Date of Birth : 04-06-1971  
Marital Status : Married  
Sex : Male  
Passport No : A-5071958

## EDUCATIONAL QUALIFICATIONS

Course	Name/Location of the College	Name/Location of the University	Major	Year of Passing	% of Marks
S.S.C	Govt. Jr. College, Ardhaveedu.	Board of Secondary Education, Hyderabad.		1986	72
D.C.E	SVKP Polytechnic, Cumbum.	State Board of Tech. Edu. & Training, Hyderabad, AP.	Civil Engg.	1990	79 First class with Distinction
B. Tech.	V.R.Siddartha Engg. College, Vijayawada	Nagarjuna University, Nagarjuna Nagar.	Civil Engg.	1993	73% First class with Distinction
M. Tech	Indian Institute of Tech., (IIT), Kharagpur.	Indian Institute of Tech., (IIT),KGP.	Water Res. Dev&Mgmt	1995	8.63/10.0
Ph. D	J N T U, Kukatpally	J N T University, Hyderabad	Water Res Engg	March, 2007	NA

## **ACADEMIC EXPERIENCE**

March 2015 to till date : Associate Professor. CWR, IST, JNTUH  
Mar, 2012 to March 2015 : Assistant Professor, (AGP-8000), CWR, IST, JNTUH  
2007 - 2012 : Assistant Professor,(AGP-7000),JNTUH  
2006 - 2007 : Assistant Professor, (AGP-6000), JNTUH  
2002 - 2006 : Assistant Professor, CMRCET, Hyd  
1999 to 2002 : State Manager, M/s. Netafim Irrigation India Pvt. Ltd.,  
1995 to 1999 : Design In-Charge in M/s Jain Irrigation Systems limited

## **ADMINISTRATIVE EXPERIENCE**

2017 to 22-05-2018 : Coordinator TEQIP – III  
2014 to 2017 : Coordinator TEQIP – II  
Feb 2015 to Oct 2017 : Head Centre for Water Resources  
2015 to till date : Coordinator CEAWMT  
Dec 2009 to Sep 2013 : Additional Controller of Examinations  
2008 to 2010 : Coordinator TEQIP – I  
2007 to 2009 : Officer-in-Charge Examinations, IST  
2007 to 2009 : PTPG –Coordinator

## **INDUSTRIAL EXPERIENCE**

- Design of water pipeline for BHEL industry to distribute STP water to various blocks to irrigate lawns and horticulture crops.
- Developed a methodology for dispose of flash flood water in TCS campus using Remote Sensing and GIS systems
- Coordinator for the 3rd party quality control and quality assurance for Hyderabad Metropolitan Water Supply and Sewerage Board (HMWS&SB), Hyderabad
- Co-member in the preparation of PFR's and DPR's for three mini hydel stations in Andhra Pradesh.
- Member of expert team in verification of Irrigation works carried out under NFFWP (National Food for Work Program) in Ranga Reddy District of Andhra Pradesh.
- Participated in the process of finalizing technical bids of AP TRIPCO for construction of Mini hydel Stations in Andhra Pradesh.

## **RESEARCH PROJECTS**

<b>Sl. No</b>	<b>Status of the research project</b>	<b>No. of projects</b>
1	Completed	07
2	Ongoing	06
3	Submitted	04
<b>Total</b>		<b>15</b>

### Ongoing research projects

S. No	Project Title	Funding agency	Duration	Grant Amount in lakhs	Years
1	Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach	AICTE, RPS, New Delhi	3 years	10.91	2014-2017
2	Drinking water Augmentation to SC communities in fluoride effected area of Nalgonda district through rain water Conservation	NRDMS, DST, New Delhi	2years	5.52	2016-2018
3	A novel approach for reduction of fluoride concentration in fluoride affected village with geo- textile as filter and direct recharge of surplus runoff into aquifers	TSCOST	1 year	8.50	2017-2018
4	Technical report on augmentation of groundwater through rainwater/surface runoff harvesting scheme in estate & factory area at Ordnance Factory Medak	Ordnance Factory	1 Year	11.75	2017-2018
5	Demonstration and Education of best practices in Rainwater Conservation in Fluoride affected areas.	Eco-Wash	2 Year	6.65	2017-2019
6	Spatiotemporal effects of Urbanization on Surface Water bodies and its impact on Soil and Vegetation Ecosystem	Earthwatch	2 Year	39.9	2018-2020

### Completed research projects

S. No.	Project Title	Funding agency	Duration	Grant Amount in rupees	Years
1	Ultra micro level water shed management using Geomatics	AICTE, RPS, New Delhi	3 years	9.5 lakhs	2009-2011
2	Demonstrative rainwater harvesting structures in	CGWB, MoWR,	2 years	27.93 lakhs	2011-2013

	JNTUH campus – Phase –I	New Delhi			
3	Demonstrative rainwater harvesting structures in JNTUH campus – Phase –II	CGWB, MoWR, New Delhi	2 years	12.00 lakhs	2012-14
4	Development of Hybrid Power Generation Model using Rain water, Solar and Wind	Institute of Engineers (India), Kolkata	6 months	0.6 lakhs	2014
5	Rooftop rainwater harvesting, use and artificial recharge in urban scenario using Geomatics	AICTE, RPS, New Delhi	2 years	14.5 lakhs	2012-2014
6	Hyperspectral remote sensing based crop inventory	UGC, New Delhi	3 years	12 lakhs	2012-2016
7	Urban Lake water quality Monitoring-A people's participation approach	Earth Watch International NGO, International Funding	3 Years	7	2013-2016

### **Research projects submitted**

<b>S. No</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Grant Amount in rupees</b>
1	Assessment of Nitrate Concentration in Ground Water and its Effects on Human health at village level	Ministry of Environment & Forests Paryavaran Bhawan CGO Complex, New Delhi.	3 years	50,35,200
2	Fluoride in Indian drinking water from reverse osmosis concentrates: environmental impact, technical solutions and safe disposal mechanisms	Uk-Indo project	3 years	562348.78 pounds, our share -1.65 crores
3	Demonstration and Education of best practices of Rainwater Conservation in Fluoride affected areas	DST eco wash	2 years	16.6 lakhs
4	Spatio-temporal effects of Urbanization on Surface Water bodies – A Citizen Science	Earth watch	2 years	4.0 lakhs

Leaders concept			
-----------------	--	--	--

### **PATENTS:**

- A Patent Titled “Replenishing Aquifers with Excess Surface Flows above Fsl of Canals/ Tanks/ Lakes through Filter Coupled Recharge Shaft” with application number 6710/CHE/2015 A published in gazette dated 15/01/2016.
- A Patent Titled “Application of Geo Membrane Sheet In The Rain Water Harvesting Structures” with application number 640/CHE/2015 A published in gazette dated 24/04/2015

### **RESEARCH PUBLICATIONS**

<b>Publications</b>	<b>International</b>	<b>National</b>	<b>Total</b>
Journals	32	8	<b>40</b>
Conferences	36	65	<b>101</b>
Books/Proceedings	0	08	<b>08</b>
<b>Total</b>	<b>68</b>	<b>81</b>	<b>149</b>

### **PAPERS PUBLISHED IN INTERNATIONAL JOURNALS**

1. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Performance Evaluation of ET<sub>o</sub> Equations for Palleru Sub Basin of River Krishna, India**” Journal of Current Sciences 10(1), 2007, PP: 09-18 (ISSN : 0011-3891)
2. **Giridhar. M.V.S.S.**, and Viswanadh.G.K., “**Development of Semi Distributed Conceptual Rainfall-Runoff Model for a Semi Arid Area**”, International journal of Tropical Agriculture, Vol 25.no: 4 October-December 2007, PP:1075-1086, (Impact Factor 2.8) (ISSN: 0254-8755)
3. **Giridhar. M.V.S.S.**, and Viswanadh G.K. “**Comparison of Radiation Based Reference Evapotranspiration Equations with FAO-56 Penman Monteith Method**” International Journal of Computer Science and System Analysis 1(2) July-December 2007, PP. 149-158. (ISSN: 0973-7448).
4. **Giridhar. M.V.S.S.**, Viswanadh.G.K. and S.K.C. Acharyulu “**Geomatics applications for land use land cover at micro level**” International Journal of Environment and Development, Vol.5 No.2, December, 2008, PP:145-153. (ISSN: 0973-3574)
5. Md. Nazia Firdouse, **Giridhar M.V.S.S.**, S. Durga Bhavani G.K.Viswanadh and A.S.Chandra Bose, “**Development of Web-GIS Based College Information**

- System**", International Journal of Applied Engineering Research Dindigal, Vol.2.No.2, 2011, pp: 570-577 (IJAERD IC Value: 4.07). (ISSN: 0973-4562 )
6. Ch. Ramesh Naidu and **Giridhar M.V.S.S.**, "**Geo-spatial Database Creation for Wazirabad Canal Command Area**". Journal of Geographic Information System, Vol.3 No.4, October 2011, PP.290-297 (ISSN: 2151-1950).
  7. **Giridhar M.V.S.S**, Chandra Bose A.S and Viswanadh G.K "**Identification of Suitable Locations for Rooftop Rainwater Harvesting Structures**" International Journal of Applied Science and Engineering Research, Volume: 1, Issue:1, April 2011, PP: 101-106. (ISSN: 2277 - 8442).
  8. A.S.Chandra Bose, P.Sridhar, **Giridhar M.V.S.S** and G.K.Viswanadh "**Morphometric Analysis at Mini Watershed Level Using GIS**" International Journal of Civil Engineering Research, ISSN 2278-3652 Volume 3, Number 3 (2012), pp. 157-171 (ISSN: 2278-3652).
  9. P.Sridhar, A.S.Chandra Bose, **Giridhar M.V.S.S** and G.K.Viswanadh "**Watershed Delineation and Stream Network analysis using GIS**" International Journal of Watershed Engineering (IJWE), Vol.1, Issue 1, PP 1-13. (ISSN: 9999-0015).
  10. A.S. Chandra Bose, G.K. Viswanadh and **Giridhar M.V.S.S** "**Computation of Watershed Parameters using Geoinformatics**", International Journal of Geomatics and Geosciences, Vol.2, No: 3, 2012. pp: 770-786, (IJGGS IC Value: 4.39). (ISSN: 0976-4380).
  11. Indira Priyadarsini, **Giridhar M.V.S.S**, G.K.Viswanadh, Smt. M. Arathi and A.S. Chandra Bose, "**Development of Spatial Analyst toolbar in ArcGIS**" International Journal of Advances in Remote Sensing and GIS, Vol 1 Issue:1, August 2012, PP:25-30 (ISSN: 2277-9450).
  12. Sridhar.P, Chandra Bose A.S, **Giridhar M.V.S.S** and Viswanadh G.K "**Prioritization of Miniwatershed Based on Morphometric Analysis Using GIS**" International Journal of Geomatics and Geosciences, Vol 3, No: 2, 2012 pp:314-320, (IJGGS IC Value: 4.39). (ISSN: 0976-4380).
  13. **Giridhar. M.V.S.S** "**Relationship of Open Pan Evaporation Rate with Meteorological Parameters in Andhra Pradesh, India**" International journal of Tropical Agriculture, Vol.31 No.1-2 (2013), (Impact Factor 2.8) (ISSN: 0254-8755)
  14. **M.V.S.S. Giridhar**, Ch. Ramesh naidu "**GIS Based Approach For Canal Conveyance Losses**", International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12, December – 2013, (Impact Factor 2.8), ISSN: 2278-0181
  15. Ch. Ramesh naidu and **Giridhar M.V.S.S.** "**A GIS Approach for Estimation of Irrigation Water Requirements and Scheduling in Canal Command Area**" International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 3, March – 2014, pp:1088 – 1091, Impact Factor: 1.76, ISSN: 2278-0181
  16. **M.V.S.S. Giridhar** and M. Anjaneya Prasad, "**Fuzzy Logic Simulation For Ground Water Recharge Estimation Using Soil Water Balance Method**" International Journal of Social Science and Management (Research Revolution) volume III, Issue 2, November 2014, pp: 51-56, ISBN: 2319-300X. (Impact factor 4.472)

17. **Giridhar. M.V.S.S** and Viswanadh. G.K., “**Evaluation of radiation based RET equations for Palleru sub basin, A.P., India**” International Journal of Computer Science & System Analysis, Vol.1 No.2, Dec-2007.
18. **M.V.S.S.Giridhar** and P. Suneel “**Net Radiation Estimation From A Remotely Sensed Data Using Sebal Model**” International Journal of Engineering Research , (HYDRO 2014 International) Issue Special 3 ISSN:2319-6890)(online),2347-5013(print), 18-19, Dec. 2014, pp 291-295.
19. **Giridhar M.V.S.S**, Madaka Madavi, E. Ramakrishna Goud and Ramaraju Anirudh “**Analysis of pressures on Nagarjunasagar Spillway**” EC Agriculture (ECAG) journal, Online Journal, volume I, Issue 1, December 2014, pp: 23-34.
20. **Giridhar M.V.S.S**, Madaka Madavi and Ramaraju Anirudh “**Assessment of pressures on Spillways Using aerators and air vent pipes**” International journal of Scientific and Engineering Research (IJSER), Volume 6, Issue 2, February 2015, pp: 176-180, ISSN: 2229-5518. Impact factor 3.8
21. **Giridhar M. V. S. S**, Trisul Kumar.G and Anirudh Ramaraju “**Applications of Infiltration Studies for Effective Management of Water Resource in a Coastal Belt**” International Journal of Scientific & Engineering Research(IJSER), Volume 6, Issue 8, August 2015, pp:1675 -1680, ISSN: 2229-5518.
22. **Giridhar M. V. S. S**, Ramaraju Anirudh, G. Sreenivasa Rao, P. Sowmya “**DEM Processing for Watershed Delineation using QSWAT**, International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August 2015, pp:1670 - 1674, ISSN: 2229-5518.
23. **Giridhar M. V. S. S**, Siva Vani N. and Ramaraju Anirudh “**Estimation of Hourly Reference Evapotranspiration**, International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August 2015, pp: 1681 -1686, ISSN: 2229-5518.
24. **Giridhar M.V.S.S.**, and K. Divya Chowdary “**Spatial Distribution Of Ground Water Quality After Rain Water Recharge In JNTUH Campus**” published in International Journal of Scientific Research in Engineering and Technology Journal, volume:4, Special issue-1; eISSN: 2319-1163 | pISSN: 2321-7308 (Impact factor 3.8). Oct-2015.
25. Ch.Ramesh Naidu, M.V.S.S Giridhar, “**Un-Supervised Classification of Rice Crop using IRS LISS III Satellite Images for Wazirabad Command Area**” International Journal Of Engineering Development And Research 2016 IJEDR | Volume 4, Issue 2 | ISSN: 2321-9939,pp1568-1571.
26. **Giridhar M.V.S.S**, Chandra Bose A.S and Viswanadh G.K “**Assessment of Metrological drought using spatial information technology**” International Education and Research Journal (IERJ) E.ISSN: 2454-9916, volume -3, Issue-5, May 2017, pp: 588-590.
27. **Giridhar M.V.S.S**. and Rameshwar Rao “**Rooftop Rainwater Harvesting for Recharging Shallow Groundwater**” Journal of earth science climate change (JESCC) an open access journal , ISSN 2157-7617, Volume 5, 2014, Issue -6 pg:97.
28. Ramana Rao N V, Anirudh Ramaraju, **Giridhar M V S S** and Viswanadh G K. “**Spatial analysis of surface water quality in and around GHMC using GIS**” International Conference on Geology., J Geol Geosci 2015 Volume 4 Issue 3 ISSN: 2329-6755, JGG an open access journal June 22-23, 2015 Florida, USA.

29. P. Sowmya, **Giridhar M.V.S.S.** “ **Analysis Of Continuum Removed Hyper Spectral Reflectance Data Of Capsicum Annum Of Ground Truth Data**” in International Journal Of Advances In Computational Sciences And Technology (ASCT) , by Research India publications, ISSN 0973-6107 Volume 10, Number 8 (2017) pp. 2233-2241.
30. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Rainfall –Runoff modeling using semi distributed conceptual approach**” International journal of recent innovation in engineering and research (IJRIER), e- ISSN: 2456 – 2084, Volume: 02 Issue: 06 June– 2017, pp 66-73. Impact Factor: 3.605
31. **Giridhar M.V.S.S.**, Chandra Bose A.S, Viswanadh G.K “**Assessment of Meteorological Drought Using Spatial Information Technology**” International Education & Research Journal [IERJ], E-ISSN No: 2454-9916, Volume: 3, Issue: 5, May 2017. Pp 588-590.
32. **Giridhar M.V.S.S.**, G.K.Viswanadh, A.S. Chandra Bose and V. Lalitha “**Spatial Analysis of Groundwater Quality Parameters using GIS**”, **Research revolution Journal** International Journal of Social Science & Management, Volume - V, Issue - 9 30 June 2017 ISSN: 2319-300x impact factor 5.007, pp:1-8.
33. G. Srieenivasa Rao , **Giridhar M.V.S.S.**, Shyama Mohan, and P. Sowmya “ **Estimation Of SCS Curve Number For Kaddam Water Shed Using Remote Sensing And Gis**” International journal of creative research thoughts. Volume -5, issue- 3 September 2017, page 203-208. ISSN: 2320-2882 Impact factor: 5.97.
34. G. Srieenivasa Rao , **Giridhar M.V.S.S.**, Shyama Mohan, and P. Sowmya “**SCS-CN Method And Geomatics Approach For Fully Distributed Run Off Modelling**” International journal of computational engineering research (IJCER). Volume -07, issue- 09 September 2017, page 20-26. ISSN: 2250-3005 Impact factor: 1.145

#### **PAPERS PUBLISHED IN NATIONAL JOURNALS**

1. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Semi Distributed Conceptual Rainfall-Runoff Model using GIS**” Journal of GIS India, Volume 15, No:8 , August 2006, PP:03-04 (ISSN : 0972-5776)
2. Viswanadh G.K, P. Kanaka Durga and **Giridhar. M.V.S.S.**, “**Comparison of Class ‘A’ Pan Co-Efficient Equations**” Journal of Applied Hydrology, Vol. XIX, No.4, pp-28-36, October, 2006. (ISSN : 0971-670X)
3. **Giridhar. M.V.S.S.**, and Viswanadh. G.K., “**Comparison of temperature based reference evapotranspiration equations for Palleru sub basin, A.P., India**” Journal of Applied Hydrology, Vol: XXI, 3 & 4, July & Sep 2008, PP:80-90. (ISSN :0971-670X)
4. **Giridhar. M.V.S.S.**, and Viswanadh. G.K., “**Runoff Estimation in an Ungauged Watershed using RS and GIS**”, Journal of Indian Water Works Association, January – March, 2009, PP:32-49. (ISSN : 0970-275X)
5. **Giridhar M.V.S.S.**, A.S. Chandra Bose, B. Srinivasulu and G.K.Viswanadh “**Spatial Analysis of Drought for Telangana Region, A.P**” paper sent for possible publication in the Journal of Hydrology, Roorkee, on 05<sup>th</sup> May, 2011(ISSN : 0022-1694 )



6. A.S. Chandra Bose G.K.Viswanadh and **Giridhar M.V.S.S.**, “**Development of Fully Distributed Rainfall - Runoff Model (FDRRM) using RS and GIS**” Journal of Applied Hydrology, JAH XXIV –No 3&4, Jul & Sep.2011 (ISSN : 0971-670X) pp: 76-83.
7. **Giridhar M.V.S.S.**, G.K.Viswanadh, A.S. Chandra Bose and Bhowmik G Nani “**Rainfall-Runoff Modeling using Semi Distributed Conceptual Approach**” sent for possible publication in the Indian Water Resources Society on 30<sup>th</sup> April, 2012. (ISSN : 0970-6984)
8. B.Rajasekhar, G.V.Ramana, **M.V.S.S.Giridhar**, **G.K.Viswanadh**, “**Effective water Distribution system using SCADA – A case study of Vijayawada Municipal Corporation , Andhra Pradesh , Technology Spectrum , JNTUH, Vol.6,No.1&2, July 2013, pp.95-102.**

### **PAPERS PRESENTED IN INTERNATIONAL CONFERENCES**

1. **Giridhar. M.V.S.S.**, A.T. Jayaseelan and K.N. Tiwari “**Validation of Satellite Derived Drought Assessment through Water Balance Approach at Mandal Level**”, Proc. of International Conference on Hydrology and Watershed Management, organized by J.N.T.U, Hyderabad, India, during 18<sup>th</sup> – 20<sup>th</sup> December,2002.
2. Viswanadh G.K., Mohd Ali Md. and **Giridhar M.V.S.S.**, “**Land use / Land cover changes in Dharmabad Watershed**” Procs. of the international conference on Advanced modeling techniques for sustainable management of water resources, organized by NIT, Warangal, A.P, India. January, 2004, pp338-340.
3. Viswanadh G.K., Vidyadhar M. and **Giridhar M.V.S.S.**, “**Rain fall Analysis in Ranga Reddy District**” procs. of the international conference on Advanced modeling techniques for sustainable management of water resources, organized by NIT, Warangal, A.P, India. January 2004, PP:.
4. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Estimation of Reference Evapotranspiration for an Irrigation Project Site in Andhra Pradesh, India**” Procs of International Conference Environmental Management (ICEM-2005), during 28<sup>th</sup>-30<sup>th</sup> October 2005 at JNTU, Hyderabad, PP: .216-223(No ISBN).
5. **Giridhar. M.V.S.S.** and Vsiwanadh. G.K., “**Irrigation Scheduling based on Actual Evapotranspiration in K-7 basin of the River Krishna, India**”, Procs. of the International Symposium on Recent Advances in Water Resources Development and Management-2005 (RAWRDM-2005), organized by IIT., Roorkee, during 23<sup>rd</sup> to 25<sup>th</sup> November-2005.
6. **Giridhar. M.V.S.S.**, and Viswanadh. G. K., “**Comparison of reference evapotranspiration equations in Andhra Pradesh, India**”, Proc. of International conference at Omaha, Conducted by ASCE, EWRI, Nebraska, USA in the month of March 21<sup>st</sup> 2006, PP:.
7. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Meteorological Drought Analysis Using GIS,**” procs of the International conference on Geomatics for rural development – Achieving synergy between technical and social systems, to be held 5-8<sup>th</sup> June 2006, organized by research & development cell, JNTU, Hyderabad and Geomatics cell,

8. **Giridhar. M.V.S.S., and Viswanadh.G.K., “Semi Distributed Runoff Model for a Semi Arid Area of Andhra Pradesh - A Geomatic Approach”** published in the international conference organized by IASTED in the month of 20-22 August 2007 at Honolulu, Hawaii, USA, PP: 85-90. ISBN: 978-0-88986-679-9.
9. Viswanadh G.K, P. Kanaka Durga and **Giridhar. M.V.S.S., “Estimation of Reference Crop Evapotranspiration by Developing a Software–Application to a Sub Basin of River Krishna, India”** Procs. of the International Conference An International Perspective on India Environmental and Water Resources organized during 18<sup>th</sup>-20<sup>th</sup> December 2006, organized by American Society of Civil Engineers (ASCE), at IIT, Kanpur.v
10. **Giridhar. M.V.S.S. and Viswanadh G.K “Meteorological Drought Analysis in a K-11 Basin of River Krishna Using GIS, India”** Proceedings of the International conference on Geomatics for rural development –Achieving synergy between technical and social systems, JNTU, Hyderabad June 2006.
11. **Giridhar. M.V.S.S and Viswanadh.G.K, “Development of Semi Distributed Conceptual Rainfall-Runoff Model for a Semi Arid area using STANFORD-IV Model”** Procs of the international conference, organized by IASTED, at Honolulu, Hawaii, USA Aug. 2007.
12. **Giridhar. M.V.S.S., Satyanarayana B. and Viswanadh.G.K. “Mapping of evapotranspiration Zones in India using GIS”** Proc of the international conference on Water, Environment, Energy and Society (WEES-2009) January 12-16,2009,New Delhi, India. pp 2007-2014, volume III, ISBN: 978-81-8424-401-4.
13. **Giridhar. M.V.S.S. and Viswanadh G.K “Evaluation of land use land cover changes in Palleru (K-11) sub basin of river Krishna using GIS and NDVI”** International conference on World Environmental and Water Resources Congress 2009 organized during May 17-21, 2009, Kansas City, Missouri, United States, ISBN (print): 978-0-7844-1036-3 pp. 1-12.
14. **Giridhar. M.V.S.S and Viswanadh. G.K., “Evaluation of Daily Reference Evapotranspiration Using Minimum Data”** Procs. of the international conference organized by EWRI and ASCE in the month of 12-16 May 2008 at Honolulu, Hawaii, USA.
15. **Giridhar. M.V.S.S and Viswanadh.G.K.,“Comparison of Mc.Cloud and FAO-56 Penman-Monteith for Daily Reference Evapotranspiration Estimation for K-11 sub Basin of River Krishna, India”** Procs. of the international conference World Environmental & Water Resources Congress 2008 organized by EWRI and ASCE in the month of 12-16 May 2008 at Honolulu, Hawaii, USA.
16. D. Sravani **Giridhar M.V.S.S., .P. Praneeth M.K. Rami Reddy Md.Ilyasuddin “Web 2.0 Mapping Mashup Applications for Academic Universities–Comparative Case Study (Secure Google Maps API versus Microsoft Virtual Earth API)”**, International Conference on Advanced Computing Technologies (ICACT 2008), organized at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, 26 – 27 December 2008, Proceedings published by BS Publishers pp. 591 – 598., ISBN No: 971-81-7800-188-3.

17. **Giridhar. M.V.S.S.**, S.K.C.Acharyulu., and Viswanadh.G.K., “**Preparation of 3D Surface and Land use/land cover maps- A Geomatic Approach**” Proc. of the International Conference on Hydrology and Watershed Management with a focal theme on Climate change- water, Food and Environmental Security, organized by Centre for water resources, IST, Jawaharlal Nehru Technological University, Hyderabad, 03-05 Feb 2010, PP:1031-1036, ISBN: 978-81-7800-224-8.
18. A.S. Chandra Bose, **Giridhar. M.V.S.S** and Viswanadh. G.K “**Land Use Land Cover Classification – A Geomatic Approach**” Proc of the international conference 31st Asian Conference on Remote Sensing 2010 (ACRS 2010), held during 01-05 November, 2010 at Hanoi, Vietnam. Pp 686- 693, ISBN: 9781617823978.
19. A.S. Chandra Bose, **Giridhar. M.V.S.S.** and Viswanadh. G.K., “**Identification of Ground Water Potential Zones using RS and GIS**” Proc of the international conference 31st Asian Conference on Remote Sensing 2010 (ACRS 2010), held during 01-05 November, 2010 at Hanoi, Vietnam. Pp 327-333, ISBN: 9781617823978.
20. A.S.Chandra Bose, P.Sridhar, **Giridhar M.V.S.S** and G.K.Viswanadh “**Morphometric Analysis of Mini watersheds using Geomatics**” Proc of the 14<sup>th</sup> International Conference on Computing in Civil and Building Engineering in Moscow, Russia, held on 27<sup>th</sup> -29<sup>th</sup>, June 2012. ISBN 978-5-93093-877-7.
21. A.S. Chandra Bose, **Giridhar M.V.S.S.**, S.Ramulu and G.K.Viswanadh “**Geomatics for Spatial Analysis of Rainfall**” proceedings of 5<sup>th</sup> international conference on Water, Climate and environment during 28<sup>th</sup> May to 02<sup>nd</sup> June, 2012 at Ohrid, Republic of Macedonia, pp 1-7. ISSN 978-608-4510-10-9.
22. **Giridhar. M.V.S.S.**, Nageswra Rao U and G.K.Viswanadh “**Spatial Decision Support System for Ground Water quality Management at Village Level using Geomatics**” proceedings of International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE-2012), organized by Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, INDIA, February 24-26, 2012.pp 140 (abstract volume) (No ISBN)
23. A.S.Chandra Bose, G.K.Viswanadh, **Giridhar M.V.S.S.** and P.Sridhar “**Assessment of Land Use Land Cover Changes in Middle Godavari (G-5) Sub Basin Of River Godavari using RS and GIS**” proceedings of XIX International Conference on Water Resources, CMWR 2012, University of Illinois at Urbana-Champaign, June 17-22, 2012.ISBN PP
24. **Giridhar M.V.S.S.**, B. Srinivasa rao, A.S. Chandra Bose and G.K.Viswanadh “**A Geomatic Approach to Drought Analysis**” Procs. of International conference on towards geo-enabled economy, scheduled during 22-24 Jan 2013, organized by India Geospatial Forum at Hyderabad.
25. Chandra Bose A.S, **Giridhar M.V.S.S**, Venkateswar Rao Ch and Viswanadh G.K “**Identification of Suitable Locations for Micro Hydro Power Stations using Geo-spatial Technology**” Proc of International Conference on World Environmental and Water Resources congress, EWRI 2013 at Cincinnati, Ohio, held on 19-23, May,2013. Pp 1377- 1381 ISBN: 978-1-62748-811-2.

26. Chandra Bose A.S, **Giridhar M.V.S.S** and Viswanadh G.K “**GIS based fully distributed rainfall-runoff model for suggesting alternate land use patterns**” Proc of International Conference on World Environmental and Water Resources congress, EWRI 2013 at Cincinnati, Ohio, held on 19-23, May,2013. PP2060-2067 ISBN: 978-1-62748-811-2.
27. **Giridhar M.V.S.S**, Chandra Bose A.S and Viswanadh G.K “**Application of Micro Air Vehicle Technology for Crop Management Studies**” International conference on recent advances in design, development and operation of micro air vehicle(ICRAMAV-2012), organized by JNTUH, Hyderabad scheduled during 10-12,December,2012.pp 269-272. ISBN: 978-81-7800-281-1.
28. **Giridhar M.V.S.S**, P.Suneel and Viswanadh G.K “**Estimation of Daily Actual Evapotranspiration from Remote Sensing Imagery**” International Symposium Weather Radar and Hydrology-WRAH-2014 organized by Washington, DC, USA scheduled during 07-10, April, 2014,
29. P. Sowmya, **Giridhar M.V.S.S**. and M. Prabhakar “**Hyperspectral Remote Sensing Based Crop Inventory- A Review** ” Proceedings of 4th International Conference on Hydrology and Watershed Management(ICHWAM\_2014) with a Focal Theme on Ecosystem Resilience - Rural and Urban Water Requirements organized by CWR, JNTUH on October 29<sup>th</sup> – 1<sup>st</sup> November 2014, volume 1, Pp 197-205, ISBN: 978-81-8424-952-1.
30. Ramaraju Anirudh and **Giridhar M.V.S.S**. “**Assessment of impacts on surface water bodies due to urbanization using Geomatics**” Proceedings of 4th International Conference on Hydrology and Watershed Management (ICHWAM\_2014) with a Focal Theme on Ecosystem Resilience - Rural and Urban Water Requirements organized by CWR, JNTUH on October 29<sup>th</sup> – 1<sup>st</sup> November 2014, volume 1, pp 386-390.ISBN: 978-81-8424-952-1.
31. **M.V.S.S Giridhar** and Anirudh Ramaraju “**Assessment of surface water quality and its effects on human health in and around GHMC**” International Conference on Modelling tools for sustainable water resources management organized by department of civil engineering, Indian Institute of Technology Hyderabad on 26<sup>th</sup> – 29<sup>th</sup> December 2014.
32. **M.V.S.S Giridhar** and Ch. Ramesh Naidu “ **Identification and delineation of water uses association Boundaries using Hydrological Analysis** ” International Conference on Modeling tools for sustainable water resources management organized by department of civil engineering , Indian Institute of Technology Hyderabad on 26<sup>th</sup> – 29<sup>th</sup> December 2014. (no proceedings)
33. **M.V.S.S. Giridhar**, P.Sridhar, K. Padma Kumari and Ramaraju Anirudh “ **Assesment of Runoff from Kaddam water shed using Swat Model**” International Conference on Modeling tools for sustainable water resources management organized by department of civil engineering , Indian Institute of Technology Hyderabad on 26<sup>th</sup> – 29<sup>th</sup> December 2014. (no proceedings)
34. Ramaraju Anirudh and **Giridhar M.V.S.S**. “**Spatial analysis of surface water quality using GIS**” has been accepted for oral presentation and publication in Proceedings of 20th International Conference on Hydraulics, Water Resources and River Engineering organized by civil engineering department of the Indian

Institute of Technology Roorkee, under the aegis of the Indian Society for Hydraulics (ISH) from December 17 to 19, 2015., Hydro 2015 International.

35. P. Sowmya, **Giridhar M.V.S.S. and Rathod Ravinder** “**Spectral Response For Different Soils Under Varying Moisture Conditions**” 37th Asian conference on Remote sensing-promoting spatial data infrastructure for sustainable economic development” conducted on 17<sup>th</sup> -21<sup>st</sup> October 2016 Colombo Srilanka.
36. **M.V.S.S Giridhar** and Ch. Ramesh Naidu “ **Regression analysis to calculate irrigation water requirements of Wazirabad command area**” ISRS proceeding paper of sort interactive session of ISPRSTC VIII International Symposium on Operational Remote sensing application; opportunities, progress and challenges Hyderabad, India December 9<sup>th</sup> -12<sup>th</sup> 2014.

### **PAPERS PRESENTED IN NATIONAL CONFERENCES**

1. **Giridhar M.V.S.S.** and Viswanadh G.K., “**Water Resources Development in India Through Inter-Linking of Rivers**”, Procs of the National Seminar on Interlinking of Rivers- Water Planning and Management, Organized by Department of Civil Engineering and Industry-Institute Partnership Cell, RVR&JC College of Engineering, Chowdaravaram, Guntur, A.P., India on 20th – 21st January, 2003.
2. **Giridhar. M.V.S.S**, A.T. Jayaseelan and S.T.Chari “**Validation of Satellite Derived Crop Water Stress Assessment through Water Balance at Mandal Level**”, National Seminar on TROPMET-95, National Remote Sensing Agency, Hyderabad, India, in the month of January 1995
3. Viswanadh, G.K., and **Giridhar M.V.S.S.**, “**Water Management Perspective Through Linking Of Rivers**”, Procs of the National Seminar on Inter-Linking of Rivers- Water Planning and Management, Organized by Department of Civil Engineering and Industry-Institute Partnership Cell, RVR&JC College of Engineering, Chowdaravaram, Guntur, A.P., India on 20th – 21st January, 2003.
4. Viswanadh, G.K., and **Giridhar M.V.S.S.**, “**Semi-distributed Conceptual Rainfall-Runoff Model – A Review**”, Proc of the National Conference on Developments in Engineering & Technology (DIET), Organized by Institute of Engineers and Kakathiya Institute of Technology and Science, Warangal, A.P., India on 23-03-2003 PP:11-18.
5. **Viswanadh G.K., Giridhar M.V.S.S. and Mohd. Ali**, “**GIS Model for seasonal changes of a watershed**” Procs. of the National Conference on Water Resources Development and Management Practices (WARM-2004), organized by M.V.S.R. Engineering College, Hyderabad, on 27th February, 2004.
6. Viswanadh G.K., **Giridhar M.V.S.S.** and Arunalatha S, “**Comparison of Geographical features for pre and post monsoon periods of Konapalli Watershed using Remote Sensing & GIS**”, Procs. of the National Conference on Water Resources Development and Management Practices (WARM-2004), organized by M.V.S.R. Engineering College, Hyderabad, on 27<sup>th</sup> February, 2004.pp 51-58

7. Viswanadh G.K, P.Kanaka Durga and **Giridhar. M.V.S.S.**, “**Evaluation of Class ‘A’ Pan Coefficient ( $K_{PAN}$ ) for K-7 basin of Krishna River, A.P., India**”, Procs. of the National Seminar on Innovative Techniques for Sustainable Development of Water Resources on 24<sup>th</sup> -25<sup>th</sup> March, 2005, organized by Annamalai University, Annamalainagar. Pp132-139. (No ISBN)
8. Viswanadh.G.K., Amarnadh.P., **Giridhar. M.V.S.S.**, “**Economical Analysis of Watershed Development Project**” Proc. of the National Conference on Advances in Water Engineering for Sustainable Development (NCAWESD-2005), on May 16-17, 2005 organized by Department of Civil Engineering, I.I.T., Madras. PP 103-112 (No ISBN)
9. Ms. B. Prathyusha Priya Darshini, Ms. P. Saranya and **Giridhar. M.V.S.S** “**Rain Water Harvesting- As a tool for water Crisis in urban Area.**” Proc of the National conference on Design and analysis of Aero/Mech systems” during 5<sup>th</sup> & 6<sup>th</sup> October, 2006, organized by Department of Aeronautical Engineering Malla Reddy College of Engineering and Technology, Dhullapalli, Secunderabad PP 19 (only abstract, No ISBN).
10. Mr. G. Prashanth, Ms K. PAllavi and **Giridhar. M.V.S.S** “**Rubber dams- As a Tool for Total Water Resources Management in India.**” Proc of the National conference on Design and analysis of Aero/Mech systems” during 5<sup>th</sup> & 6<sup>th</sup> October, 2006, organized by Department of Aeronautical Engineering Malla Reddy College of Engineering and Technology, Dhullapalli, Secunderabad PP 20 (only abstract, NO ISBN).
11. Ms.Sanjana Bhat, Ms. D. Swathi and **Giridhar. M.V.S.S** “**Tidal Energy a non Conventional Source of energy.**” Proc of the National conference on Design and analysis of Aero/Mech systems” during 5<sup>th</sup> & 6<sup>th</sup> October, 2006, organized by Department of Aeronautical Engineering Malla Reddy College of Engineering and Technology, Dhullapalli, Secunderabad PP 22 (only abstract, NO ISBN).
12. **Giridhar. M.V.S.S., Viswanadh.G.K. and S.K.C.Acharyulu** “**Surface Analysis using GIS**” Procs of the National Conference on Soft Computing Applications in Water Resources & Environmental Engineering (NC-SCAWREE – 2007) organized by Osmania College of Engineering, Hyderabad during 14th – 15th December 2007.pp 57-63. (No ISBN).
13. A.S.Chandra Bose, **Giridhar M.V.S.S.** and G.K.Viswanadh., “**Spatial analysis of rainfall from G-5 sub basin of River Godavari basin in GIS environment**”, Proc. of National workshop on ‘Application of Remote sensing and GIS in water resources management’, 10<sup>th</sup> March, 2010 pp.83-92.ISBN:
14. **Giridhar M.V.S.S.**, A.S.Chandra Bose, V.Lalitha, G.K.Viswanadh and S.K.C. Acharylu “**Study of Spatial Distribution of Groundwater Quality Parameters in GIS environment from Krishna delta, Andhra Pradesh**”, Proc. of National workshop on ‘Application of remote sensing and GIS in water resources management’. 10<sup>th</sup> March, 2010 pp. 93-100, conducted by CGWB.
15. **Ch. Ramesh Naidu and Giridhar M.V.S.S** “**The Necessity of GIS in calculating Canal Conveyance Losses on irrigation command area**” National Conference on Sustainable Water Resources Management and Impact of Climate Change organized by Civil Engineering Group, BITS-PILANI, Hyderabad on 5-6, March,2010. PP 313-325 (No ISBN).

16. **G.K.Viswanadh, A.S. Chandra Bose and Giridhar M.V.S.S.** “**Faculty development in Technical Educational Institutions - an Overview**”, Human Values in Technical Education: an approach for holistic development of society, October 8-9, 2011, Organized by Ujjain engineering College and Shiksha Sanskrit Udhan Nivas, New Delhi. ISBN: PP
17. Ramesh Naidu, **Giridhar M.V.S.S.** and Sanghamitra Ghosh, “**Application of Remote Sensing and GIS for Identification and Assessment of Crop growth in Wazirabad Command Area by calculation of Irrigation losses and demand to improve the farming**”, The Third National conference on Agro-Informatics and Precision Agriculture 2012 (AIPA 2012), 1-3 August 2012 PP.79-84
18. **Giridhar M.V.S.S.**, A.S. Chandra Bose and G.K.Viswanadh “**A Geomatic Approach to Rooftop Rainwater Harvesting in Urban Scenario**” National Conference on Water Crisis Management Under Changing Climate 16-17, November, 2012 organized by Guggly center for Biological research, pp:1&2.
19. Ramesh Naidu.C., **Giridhar, M.V.S.S.**, Sanghamitra Ghosh., “**Calculation of Irrigation demand – An Integrated approach using Remote Sensing, GIS and CROPWAT Tool**”, Proceedings of National Symposium on Space Technology for Food and Environmental Security and Annual Conventions of Indian Society of Remote Sensing and Indian Society of Geomatics, organized by Indian society of Remote Sensing, on Dec 5th - 7th 2012, New Delhi, pp: 25-26.
20. B.Ravinder, **Giridhar M.V.S.S** “**Residual Energy and Relative Loss of Energy on Stepped Spillway**” Proc of National Conference on Sustainable Water Resources Planning, Management and Impact of Climate Change held at BITS-Pilani, Hyderabad Campus during April 5-6, 2013, organized by Centre of Excellence in Water Management, Department of Civil Engineering pp 61(no ISBN abstract only)..
21. Chalumuri Ramesh Naidu and **Giridhar M.V.S.S** “**WUA and Canal Wise Scheduling of Irrigation Water in Wazirabad Command Area**” Proc of National Conference on Sustainable Water Resources Planning, Management and Impact of Climate Change held at BITS-Pilani, Hyderabad Campus during April 5-6, 2013, organized by Centre of Excellence in Water Management, Department of Civil Engineering, PP 42 (no ISBN abstract only).
22. Pavan BV, D Bhavya Kavitha, M Sarada, **Giridhar M.V.S.S.**, P Manavalan “**Statistical Evaluation of Satellite Estimated TMPA 3b42 Version 7 Daily Rainfall Product with Reference to AWS Surface Gauge Data of Indian River Basins**” Proc of National Conference on Sustainable Water Resources Planning, Management and Impact of Climate Change held at BITS-Pilani, Hyderabad Campus during April 5-6, 2013, organized by Centre of Excellence in Water Management, Department of Civil Engineering, pp 38 (no ISBN abstract only).
23. V.T Varun Mithra, R. Sharmila and **Giridhar M.V.S.S.**, “**Development of hybrid power generation model using rain water solar & wind**” Proc of Two day National Conference on Sustainable Water Resources, Management held at Vizianagaram on 21<sup>st</sup> -22<sup>nd</sup> February 2014, organized by M.V.G.R.C.E in Water Management, Department of Civil Engineering pp: 54-62. (No ISBN)

24. P.Sowmya and **Giridhar M.V.S.S.**, “**Development of spectral signature library using the hyper spectral remote sensing**” Proc of Two day National Conference on Sustainable Water Resources, Management held at Vizianagaram on 21<sup>st</sup> -22<sup>nd</sup> February 2014, organized by M.V.G.R.C.E in Water Management, Department of Civil Engineering pp: 154- 163. (No ISBN)
25. **Giridhar M.V.S.S.**, P.N. Rao and P.Sowmya “**Roof top rainwater harvesting for groundwater sustainability – A case study from Jawaharlal Nehru Technological University Hyderabad**” Procs. of Workshop on challenges and perspectives in conservation of water in urban areas, on 20<sup>th</sup> March 2014, pp:23. (abstract only No ISBN)
26. **Ramaraju Anirudh** and Giridhar M.V.S.S. “**Surface Water Bodies monitoring using GIS**” Proceedings of Two-day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 81-88
27. Darshanala Ashok, G.K. Viswanadh, A.S. Chandra Bose and **Giridhar M.V.S.S.** “**Rainfall-Runoff Modeling – A Geomatic Approach**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 102-110.
28. G. Sreenivasa Rao, A. Manjunath and **Giridhar M.V.S.S.** “**Studies on Impact of Mining on Surface and Groundwater in Chimakurthi Mandal of Prakasam District, Andhra Pradesh, India**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> Published by BS Publications ISBN: 978-93-83635-13-9 2014 pp 152-155.
29. V.T. Varuna Mithra, R. Sharmila and **Giridhar M.V.S.S.** “**Economical Hybrid Power Systems**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 238-242.
30. Arfath A. Khan, M. Anjaneya Prasad and **Giridhar M.V.S.S.** “**Simulation of Ground Water Recharge Estimation for Soil Water Balance Method**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp320-326.
31. K.B. Rekha and **Giridhar M.V.S.S.** “**Assessment of Water Quality Index of Groundwater Samples in Kattedan Industrial Area, Ranga Reddy District, Andhra Pradesh, India**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 327-335.
32. Shravan Kumar and **Giridhar M.V.S.S** “**2-D Resistivity and Induced Polarization Surveys for Charecterisation of Hard Rocks in Kudliar Watershed, Medak District, AP**”. Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 352-358.



33. Ch. Ramesh Naidu and **Giridhar M.V.S.S.** “**Estimation of Net Irrigation Water Requirements for Different Soils in a Canal Command area**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 544-549.
34. P. Sowmya, Giridhar M.V.S.S and M. Prabhakar “**Development of Spectral Library for different Crops using Spectroradiometer**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp 556-561.
35. G.K. Viswanadh, B. Rajesh Reddy, G. Sarath Chandra and **Giridhar M.V.S.S** “**Integrated Watershed Management by using Remote Sensing and Geographical Information System: A Case Study**” Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications ISBN: 978-93-83635-13-9 pp-566-576.
36. **Giridhar M.V.S.S** “**Quantitative and Qualitative Assessment of Ground Water due to Recharge of Rainwater**” The Proceedings of Two day National conference on Dryland Agriculture in Vadarbha priorities and Development issues organized by Vidarbha association for research, technology and development in agricultural and rural sectors (VART-DARS) on March 3<sup>rd</sup> – 4<sup>th</sup> 2015, Akola (Maharashtra) PP:14-23.
37. **Giridhar M.V.S.S** “**Urban Waste Impacts on Surface Water Resources in and Around GHMC**” The Proceedings of Two day National conference on Sustainable Environment through Green Energy, organized by Andhra Loyola college, on Feb 27<sup>th</sup> and 28<sup>th</sup> 2015,Vijayawada.
38. **Giridhar M.V.S.S**, Haseena, and L.Surinaidu,“ **Assessment of Groundwater and Surface Water Resources in the Godavari basin**” Proceedings of 2nd Two day National conference on Water, Environment and Society organized by CWR, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications ISBN: 978-93-83635- 87-0 pp 309-314.
39. **Giridhar M.V.S.S**, Madavi Madaka and Anirudh Ramaraju “**Investigation of Pressures on Spillways by providing Air Vents**” Proceedings of 2nd Two-day National conference on Water, Environment and Society organized by CWR, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications ISBN: 978-93-83635-87-0. pp 490-496.
40. **Giridhar M.V.S.S**, and Anirudh Ramaraju “**Digital Elevation Model Generation Using SRTM**” Proceedings of 2<sup>nd</sup> Two-day National conference on Water, Environment and Society organized by CWR, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications ISBN: 978-93-83635-87-0 pp 635-638.
41. **Giridhar M.V.S.S**, and Anirudh Ramaraju “**QSWAT Model Application in Watershed Delineation- A Case Study, Tirupathi**” Proceedings of 2nd Two-day National conference on Water, Environment and Society organized by CWR, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications ISBN: 978-93-83635-87-0 pp 639-643.

42. S. Venkat Charyulu, G. K. Viswanadh and **M. V. S. S Giridhar** “**Reservoir Capacity Evaluation using Different Techniques A Case Study of Himayat Sagar Reservoir**” Proceedings of 2nd Two-day National conference on Water, Environment and Society organized by CWR, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications ISBN: 978-93-83635-87-0 pp 86-94.
43. **Giridhar M.V.S.S**, and Anirudh Ramaraju “**Evaluation Of Surface Water Quality In And Around Ghmc**” Proceedings of National conference on Climate Change and Sustainable Water Resources Management organized by Department of Civil Engineering, NIT Warangal during 03 – 05 September 2015. pp- 190-194.
44. **Giridhar M.V.S.S**, and S. Kalavathy “**Low Cost Adsorbents For Removal Of Flouride From Water** ” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 210-214.
45. **Giridhar M.V.S.S**, and S. Kalavathy “**Assessment Of Arsenic And Chromium In Hussain Sagar Lake And Their Effects On Human Health**” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 219-223.
46. **Giridhar M.V.S.S**, and S. Kalavathy “**A Study on the use of Alum for turbidity removal in Synthetic water**” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 263-266.
47. **Giridhar M.V.S.S**, and Anirudh Ramaraju “**Qualitative study of pre-monsoon and Post-monsoon status of different chemical parameters of water samples collected from various surface water bodies in GHMC**” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 267-275.
48. **Giridhar M.V.S.S**, G.Srinivas Rao, Ramya Uppala and Vikram Singh “**Rain fall trend analysis: A case study of Godavari sub basin- kadam water shed, Adilabad District, Telangana State**” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 307-312.
49. **Giridhar M.V.S.S**, P.Sowmya and Rathod Ravinder “**Hyperspectral Response pattern of Red soils under varying moisture conditions**” Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society NCWES 2016 organized by CWR, JNTUH on 6<sup>th</sup> –8<sup>th</sup> June 2016 Published by BS Publications ISBN: 978-98-5230-124-9 pp 372-376.
50. P. Sowmya, and **Giridhar M.V.S.S** “**Engendering Spectral Library for Different Species of Poaceae Using Spectroradiometer**” National Conference on Water Resources Management in Coastal Regions during 8<sup>th</sup> -9<sup>th</sup> December 2016 in Deltaic Regional Centre, National Institute of Hydrology, Kakinada, AP, Abstract published, pg: 81.

51. Rathod Ravinder and **Giridhar M.V.S.S** “**Spectral Response Of Tomato Crop In Uncontrolled And Controlled Farming**” National Conference on Water Resources Management in Coastal Regions during 8<sup>th</sup> -9<sup>th</sup> December 2016 in Deltaic Regional Centre, National Institute of Hydrology, Kakinada, AP, Abstract published, pg: 86.
52. Shyama Mohan, **Giridhar M.V.S.S**, G. Srinivas and P. Sowmya “**Spatial And Temporal Variability Of Rainfall In Kaddam Watershed Using Geomatics**” National Conference on Water Resources Management in Coastal Regions during 8<sup>th</sup> -9<sup>th</sup> December 2016 in Deltaic Regional Centre, National Institute of Hydrology, Kakinada, AP, Abstract published pg: 45.
53. **M.V.S.S. Giridhar** and G.K. Viswanadh “**Urban Rainwater Recharge– A New Approach**” National conference on energy and environment 16-17<sup>th</sup> September 2016 Electrotek 2016, Coimbatore. Organized by Indian Institute of Technology Madras.
54. Veeramallu Satya Sahithi , **M V S S Giridhar** , G. Ravi Shankar , I V Murali Krishna., “**Investigating The Effect Of Size Of The Training Sample On Mlc, Svm, Ann And Sam Algorithms On Hyperion Data For Lucl Classification**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH. pp 492.
55. Padmaja G, **Dr MVSS Giridhar** , Sreenivasa Rao G, Shiva Chandra,. “**An Assessment on Impact of Land Use Land Cover Changes on Urban Watershed Management – A Case Study of Hyderabad Region**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 355.
56. Anirudh Ramaraju and **M.V.S.S Giridhar** “**Quality Assessment of Surface Water Bodies in and around GHMC**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH pp 322.
57. P.Sowmya and **M.V.S.S. Giridhar**. “**Extemporizing Spectral Signatures Using Spectroradiometer For Different Species Of Family Graminaceae**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 376.
58. P. Soumya Kiran, A.S.Chandra Bose, **M.V.S.S.Giridhar**, “**Identification Of Suitable Method For Estimation Of Reference Evapotranspiration For Paleru Sub Basin Of River Krishna**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 56.
59. G.Puneetha, V.Sesha Srinivas and **M.V.S.S.Giridhar**, “**Treatment Of Urban Sewage Water Using Phytoremediation**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 333
60. S. Kalavathy, **M.V.S.S. Giridhar** and G K Viswanadh, “**A Jar Test Study On The Use Of Alum And Ferric Chloride For Turbidity Removal**” National

- Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 339.
61. G. Sreenivasa Rao, **M.V.S.S. Giridhar** and Shyama Mohan, “**Rainfall analysis with reference to Spatial and Temporal in Kaddam Watershed Using Geomatics**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 540.
  62. Rathod Ravinder, **Dr.M.V.S.S.Giridhar** and P.Sowmya, “**Spectral Response Of Cluster Beans Crop**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 383.
  63. S. Kalavathy and **M.V.S.S. Giridhar** “**Effective Use Of Chemical Coagulants For Reducing Total Organic Carbon**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH pp 388.
  64. Rathod Ravinder, **Dr.M.V.S.S.Giridhar** and P.Sowmya, “**Spectral Reflectance From The Tomato Crop Canopy Under Controlled Condition By Using Spectroradiometer**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 392.
  65. **M.V.S.S.Giridhar**, “**Rain water harvesting, use and artificial recharge in urban Scenario**”, Seminar On Sustainable Water Management, on the occasion of 215<sup>th</sup> Birthday Celebrations Of General Sir Arthur Thomas Cotton, organized by The Institution of Engineers (IEI), 15<sup>th</sup> May 2017 Hyderabad, pp 14-22.
  66. M.Anil Kumar and **M.V.S.S. Giridhar**, “**Computation of Runoff By Scs - Cn method Using Remote Sensing And GIS**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 359 - 367.
  67. P.B.Rakhee Sheel and **M.V.S.S. Giridhar**, “**Mapping of Permanent Snow Cover Area Using Satellite Data In Sutlej Basin**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 392-397.
  68. Dhondi Sindhu and **M.V.S.S.Giridhar**, “**Estimation of Reference Evapotranspiration Using Cropwat**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 398-406.
  69. G. Padmaja, **M.V.S.S. Giridhar**, V. Shiva Chandra, G. Sreenivasa Rao and R. Sandhya Rani, “**Sustainable Urbanization Using Remote Sensing And GIS-An Overview**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 422-428.
  70. P. Sowmya, **M.V.S.S. Giridhar** and M. Prabhakar “**Assessment of Spectral Signatures For Different Varieties of Colacasia Species Using**

- Continuum Removal Method”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 439-444.
71. Veeramallu Satya Sahithi, **M.V.S.S. Giridhar** and I Murali Krishna “**A Systematic Review on Hyper spectral Data Processing And Classification Methods”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 445-459.
  72. G. Sreenivasa Rao, **M.V.S.S. Giridhar** and Shyama Mohan, “**Computation Of Runoff By Scs Cn Method Using Spatial Modeling In Erdas Imagine”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 532-541.
  73. S. Venkat Charyulu, G.K.Viswanadh and M.V.S.S. Giridhar “**Effective Rainwater Harvesting By Gis Analysis In Griet Campus, Bachupally”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 567-578.
  74. Veeramallu Satya Sahithi, MVSS Giridhar and I V Murali Krishna “**Advanced Spectral Classification Methods for Hyperspectral Data - A Concise Review”** National Conference on Water Environment and Society 2018,(NCWES-2018) organized during 04th-06th June 2018 in centre for water resources, IST, JNTUH, pp 420.
  75. S. Venkat Charyulu, G.K.Viswanadh and M.V.S.S Giridhar “**Watershed Analysis A Case Study of Nizampet Area and Proposed Rain Water Structure”** National Conference on Water Environment and Society 2018,(NCWES-2018) organized during 04th-06th June 2018 in centre for water resources, IST, JNTUH, pp 524.

### **BOOKS / PROCEEDINGS EDITED**

1. Proceedings of 2<sup>nd</sup> International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2006. *ISBN: 81-7800-138-1 (Two volumes)* **Authors: B. Venkateswra Rao, G. Jagmohan Das, C. Sarala and M.V.S.S. Giridhar**
2. Proceedings of WMEC'07 National Conference on Watershed Management and Impact of Environmental Changes on Water Resources, February, 2007. *ISBN: 81-7800-143-8* **Authors: G.K.Viswanadh and M.V.S.S. Giridhar**
3. Proceedings of 3<sup>rd</sup> International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, February, 2010. *ISBN: 978-81-7800-224-8 (Two volumes)* **Authors: C. Sarala B. Venkateswra Rao, M.V.S.S. Giridhar and V.Varalakshmi**

4. Proceedings of (ICRAMAV-2012) International conference on recent advances in design, development and operation of micro air vehicle, 10-12, December, 2012, ISBN: 978-81-7800-281-1. **Authors: G.K.Viswanadh and M.V.S.S. Giridhar**
5. Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30<sup>th</sup> – July 1<sup>st</sup> 2014 Published by BS Publications, ISBN: 978-93-83635-13-9 **Authors: M.V.S.S. Giridhar**
6. Proceedings of 2<sup>nd</sup> Two day National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 30<sup>th</sup> – 31<sup>st</sup> July 2015 Published by BS Publications, ISBN: 978-93-83635-87-0 **Authors: M.V.S.S. Giridhar**
7. Proceedings of 3<sup>rd</sup> National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 6<sup>th</sup> – 8<sup>th</sup> June 2016 Published by BS Publications, ISBN: 978-98-5230-124-9 **Authors: M.V.S.S. Giridhar**
8. Proceedings of 4<sup>th</sup> National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 16<sup>th</sup> – 18<sup>th</sup> March 2017 Published by BS Publications, ISBN: 978-93-5230-182-9 **Authors: M.V.S.S. Giridhar**
9. Book Chapter in Springer book series title *Water Science and Technology Library. Spatial decision support system for ground water quality management at village Level using geomatics.*
10. Book chapter in Elsevier publications with the chapter title *An Environmentally Sound Approach For Sustainable Rainwater Harvesting.*
11. Proceedings of 5<sup>th</sup> National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 04<sup>th</sup> – 06<sup>th</sup> June 2018 Published by BS Publications, ISBN: 978-93-87593-72-5 **Authors: M.V.S.S. Giridhar**

**DETAILS OF WORKSHOP/TRAINING/ CONFERENCE ORGANIZED AS COORDINATOR:**

Sl. No	Title of the training course organized	Duration	Workshop/training/ conference
1	Two day national work shop on water shed management and environmental changes (WMEC)	20 <sup>th</sup> - 21 <sup>st</sup> September 2006	Work shop
2	Two day National conference on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2007)	22 <sup>nd</sup> – 23 <sup>rd</sup> Feb 2007	Work shop
3	2 <sup>nd</sup> International conference on Hydrology and Watershed Management with a focal theme on Improving Water Productivity in the Agriculture	December 2007.	Conference

4	“World Water Day” celebrations	22 <sup>nd</sup> March 2007	Work shop
5	A 3-Day Awareness cum Training Programme on “Rainwater Harvesting and Water Conservation Methodologies	29 <sup>th</sup> -31 <sup>st</sup> March 2007	Training Programme
6	GIS for water and environmental technologies	25 <sup>th</sup> August to 16 <sup>th</sup> September, 2008	Training Programme
7	GIS for hydrologic applications	15 <sup>th</sup> to 29 <sup>th</sup> December, 2008	Training Programme
8	Geomatics applications for water resources and environment	15 <sup>th</sup> June to 04 <sup>th</sup> July 2009	Training Programme
9	Geomatics applications for sustainable water resources	19 <sup>th</sup> -31 <sup>st</sup> October, 2009	Training Programme
10	RS and GIS applications for water and environmental management	23-28 March, 2009	Training Programme
11	Applications of RS and GIS for Disaster Management (ARGDM-2011)	01 - 13 August, 2011	Training Programme
12	Three day International conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV 2012)	10 <sup>th</sup> - 12 <sup>th</sup> December, 2012	Conference
13	Applications of Geomatics for Disaster Management (AGDM-2013)	30-12-2013 to 11-01-2014	Training Programme
14	Two day National conference on Water, Environment and Society (NCWES-2014)	30 <sup>th</sup> June – 01st July 2014	Conference
15	One- Day Awareness Campaign on Rain Water Harvesting in Urban Area for School Children	31st January 2015.	Work shop
16	One Day workshop on Action For River Water Quality Improvement on the occasion of International Day of Action for Rivers	13 <sup>th</sup> March 2015	Work shop
17	“World Water Day” celebrations	22 <sup>nd</sup> March 2015	Work shop

18	3-day skill development programme on Soil & Water Assessment Tool (SWAT) modeling.	06 <sup>th</sup> – 08 <sup>th</sup> July 2015	Training programme
19	2 <sup>nd</sup> Two day National Conference on Water, Environment and Society (NCWES-2015)	30 <sup>th</sup> – 31 <sup>st</sup> July 2015	Conference
20	3 <sup>rd</sup> National Conference on Water, Environment and Society (NCWES-2016)	during 6 <sup>th</sup> -8 <sup>th</sup> June 2016	Conference
21	4 <sup>th</sup> National Conference on Water, Environment and Society (NCWES-2017)	16 <sup>th</sup> -18 <sup>th</sup> March 2017	Conference
22	Applications of Geomatics for Disaster Management (AGDM-2017)	13 <sup>th</sup> to 15 <sup>th</sup> November 2017	Training Programme
23	National Conference on Sustainable Water and Environmental Management	21 <sup>st</sup> to 23 <sup>rd</sup> December 2017	Conference
24	Awareness Programme on Rainwater Harvesting for Faculty and Students of private Engineering Colleges	22 <sup>nd</sup> March 2018	Work shop
25	5 <sup>th</sup> National Conference on Water, Environment and Society (NCWES-2018)	04 <sup>th</sup> – 06 <sup>th</sup> June 2018	Conference

### **DETAILS OF WORKSHOP/TRAINING/ CONFERENCE ATTENDED**

1. A refresher course on “Water Management” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 02-02-2004 to 22-02-2004
2. Training on “Erdas Image Professional, Vector & Virtual GIS” organized by ERDAS India Private Limited during 22 to 26 March 2005.
3. A refresher course on “Remote Sensing, GIS and GPS” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 16-05-2005 to 4-6-2005
4. A training program on “Instructional Design and Delivery” conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chennai, from 15<sup>th</sup> to 20<sup>th</sup> July 2005 at CMR College of Engineering and Technology, Hyderabad.



5. A training program on “ARC GIS 9.1” conducted by NIIT TCL, Hyderabad from 13<sup>th</sup> to 14<sup>th</sup> July 2005.
6. Pre conference tutorials on “GIS, GPS & Hyper spectral remote sensing” Organized by R & D Cell, JNTU, Hyderabad during 2<sup>th</sup>-4<sup>th</sup> June, 2006.
7. Training Programme on “Orientation Course” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C., in the month of 2<sup>nd</sup> May to 2<sup>nd</sup> June 2007.
8. Faculty Development Course on “Introduction to GIS and its Applications” conducted by National Remote Sensing Agency, Department of Space, Government of India, from October 1, 2007 to October 26, 2007.
9. A refresher course on “Water Management” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C.
10. Professional development programme on “Latest trends in environmental impact assessment (EIA) – Process & Procedures as per MoEF Guidelines” during 10th - 12th September 2007, at Engineering Staff College of India, Hyderabad.
11. International Workshop on Weather Modification Technologies (Cloud Seeding) (IWWMT) organized during 18-20 January 2007, at ASC-Auditorium Kukatpally, Hyderabad.
12. Two day workshop on “Solar Pumps in Rural Water Supply” organized during 10 - 11 July 2014, at Engineering Staff college of India, Autonomous Organs of the Institute of Engineers, Hyderabad.
13. Two day workshop on “Flood Assesment, Monitoring and Management using SAR data” on 17-18 November 2014,at NASA – ISRO Synthetic Aperture Radar(NISAR),organized by SAC, Ahmedabad.
14. Two day Workshop on “Hydrological Modelling with SWAT and Ground Water Modelling with Modflow” on 26-27 December,2014 at Department of Civil Engineering, IIT, Hyderabad.
15. A training program on “Managerial Effectiveness Enhancement Programme (MEEP)” organized by Department of Science and Technology, Institute of Management Training and Research(IMTR),GOA, from 19-23 January ,2015.
16. Two day workshop on “Stepping into Advanced Flow Reactors” on 25-26 February, 2015 was organized by Centre for Chemical Sciences and Technology (CCST), Institute of Science and Technology(IST),Jawaharlal Nehru Technological University, Kukatpally, Hyderabad.
17. Attended A One- Day workshop on *Urban Flood Management: Technology Driven Solutions* during November 20-21, 2015 at BITS Pilani, Hyderabad Campus.
18. Attended a training program for Management Capacity Enhancement Programmes (MCEPs) held at IIM Trichy from 12- 16 th October, 2015.
19. Attended a training on *Hyperspectral remote sensing* held at National Remote sensing centre Balanagar, 8<sup>th</sup>- 12<sup>th</sup> August 2016.
20. National Seminar on TROPMET-95, Organized by National Remote Sensing Agency, Hyderabad, India
21. Micro Irrigation Prospects and potential in India, The Institution of Engineers (India), A.P. State Center, Hyderabad, on 18-19 June 1999
22. National Seminar on Recent Advances in Geo-Technical Engineering, Organized by J.N.T.U. College of Engineering, Department of Civil Engineering, on August, 2002, Hyderabad.

23. International Conference on Hydrology and Watershed Management, Organized by J. N. T. University, Masab Tank, on December 2002, Hyderabad, India.
24. National Seminar on Inter-Linking of Rivers-Water Planning and Management, organized by VR&JC College of Engineering, Chowdaravaram, Guntur, A.P., India, on 20th -21th, January 2003.
25. National Conference on Developments in Engineering & Technology (DIET-2003), organized by The Institution of Engineers (India), Warangal Chapter, Warangal, A.P., India, on 23rd March 2003.
26. International Conference on Advanced Modeling Techniques for Sustainable Management of Water Resources (AMTSMW-2004), organized by National Institute of Technology, Warangal, on 28-30, January, 2004,
27. Conference on Water Resources Development and Management Practices (WARM-2004) organized by M.V.S.R. College of Engineering, Nadargul, Hyderabad, on 27th February, 2004.
28. International workshop on "Weather modification and cloud seeding technologies for rain water enhancement" organized by JNTU, Hyderabad and Rain Shadow Area Development, Govt. of Andhra Pradesh on 27th -28th January 2005.
29. National Conference on Advances in Water Engineering for Sustainable Development (NCAWESD-2005), during May 16th-17th, 2005 organized by Department of Civil Engineering, I.I.T., Madras.
30. "Workshop on Space technology applications" Organized by ISRS-Hyderabad Chapter, ERDAS, center for SIT, JNTU, Hyderabad during 18th – 19th May 2005.
31. A one day workshop on "Fluid dynamics and boundary layer application" on 10th October 2005, organized by department of Civil Engineering and Mechanical Engineering, JNTU College of Engineering, Hyderabad.
32. International Conference on Environment Management (ICEM-2005), during 28th-30th October, 2005, organized by Institute of Science and Technology, JNTU, Hyderabad.
33. "Geo-informatics for rural development – achieving synergy between technical and social systems" Organized by R & D Cell, JNTU, Hyderabad during 5th -8th June, 2006.
34. Two day national workshop on "Environmentally sustainable water resources management methodologies" Organized by IST, JNTU, Hyderabad during 3rd – 4th July 2006.
35. "Faculty development program on renewable energy resources" organized by Center for energy studies, JNTU, Hyderabad and Sri Nidhi Institute of Science and Technology, on 20th August 2006.
36. National conference on "Design and analysis of Aero/Mech systems" during 5th & 6th October, 2006, organized by Malla Reddy College of Engineering and Technology, Dhullapalli, Secunderabad.
37. Two day National workshop on "Watershed management and impact of environmental changes on water resources" Organized by department of civil engineering, JNTUCEH, JNTU, Hyderabad during 20th -21st September 2006.
38. International workshop on Weather Modification Technologies, Hyderabad, held during 18th – 20th January 2007, organized by Centre for Atmospheric science and weather modification technologies, JNTU, Hyderabad.

39. A 3-Day Awareness cum Training Programme on “Rainwater Harvesting and Water Conservation Methodologies” held during 29th -31st March 2007 at Centre for Water Resources, IST,JNTU, Hyderabad.
40. A 3-Day workshop on “Intellectual Property Rights (IPR)” during 20th -22nd June, 2007, organized by SNIST, IST-JNTU and Osmania university at SNIST campus.
41. A “XXVI National seminar on hydrology with a special colloquium on Rainfall versus Water Resources in North – East India “during 25th - 28th October 2007 at Shillong.
42. 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, during 5th – 8th December 2007.
43. National Conference on Soft Computing Applications in Water Resources & Environmental Engineering (NC-SCAWREE – 2007) organized by Osmania College of Engineering, Hyderabad during 14th – 15th December 2007.
44. Participated in EU-India STI cooperation days held on 8-9 November, 2012 at NGRI, Hyderabad.
45. National Conference on water crisis management under changing climate 16-17, November,2012 organized by Guggly center for Biological research.
46. National Conference on Sustainable Water Resources Planning, Management and Impact of Climate Change held at BITS-Pilani, Hyderabad Campus during April 5-6, 2013, organized by Centre of Excellence in Water Management, Department of Civil Engineering.
47. National Conference on Sustainable Water Resources Management and Impact of Climate Change organized by Civil Engineering Group, BITS-PILANI, Hyderabad on 5-6, March,2010.
48. National workshop on ‘Application of remote sensing and GIS in water resources management’. March, 2010.
49. International conference on recent advances in design, development and operation of micro air vehicle, organized by JNTUH, Hyderabad scheduled during 10-12, December, 2012.
50. International conference on towards geo-enabled economy, scheduled during 22-24 Jan2013, organized by India Geospatial Forum at Hyderabad.
51. International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE-2012), organized by Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, INDIA, February 24-26, 2012.
52. One Day workshop on Emerging Trends in Industrial Waste Management Technologies, held at Institute of Science and Technology, J N T University Hyderabad on 22nd March 2013
53. International conference on “Earth Science and Climate Change” on 28 – 30 July, 2014 by OMICS PUBLISHING GROUP in double tree by Hilton hotel san Francisco Airport, USA.
54. International Conference on “Environment and Energy” on 15 – 17 December,2014 by Institute of Science and Technology, Jawaharlal Nehru Technological University college of Engineering, Kukatpally, Hyderabad
55. International Conference HYDRO 2014 on “Hydraulics, Water Resources, coastal and Environmental Engineering ” was held on 18-20 December, 2014,organized

by Department of civil Engineering, Maulana Azad National Institute of Technology, Bhopal India.

### **GUEST LECTURERS DELIVERED:**

1. **“Geo-Spatial Applications for planning of RWS Schemes”** Training Programme on Feasibility Studies, Engineering Survey and Design and Planning and Design of MVS during 25 – 30 June, 2012 at ESCI Campus, Hyderabad on 26<sup>th</sup> June,2012.
2. **“Spatial Decision support System for groundwater quality management at village level”** Training Programme on Feasibility Studies, Engineering Survey and Design and Planning and Design of MVS during 25 – 30 June, 2012 at ESCI Campus, Hyderabad on 28<sup>th</sup> August,2012.
3. Delivered a expert lecture on **“Geo-Spatial Applications for water resources”** in a two day workshop on recent advances in civil engineering during 31-08-2012 to 01-09-2012 at CMR Institute of Technology, Kandlakoya(V), Hyderabad for the teaching faculty of engineering colleges to improve their knowledge and teaching skills on 31-08-2012 from 2.00 to 5.15 pm.
4. Delivered lecture on **“RS&GIS applications for RWS&S Schemes”** in a training Programme on **RWS&S Schemes: Planning and Design of Distribution System and Software Applications including EPANET** during 10 – 15 September, 2012 at ESCI Campus, Hyderabad on 11<sup>th</sup> September,2012.
5. Delivered lecture on **“Water quality assessment using remote sensing techniques”** in the training Programme on water quality monitoring, surveillance and assessment of rural water supply and sanitation schemes during 16 – 19 October, 2012 at ESCI Campus, Hyderabad on 19<sup>th</sup> October,2012.
6. Delivered lecture on **“RS and GIS applications for RWS schemes”** in a training Programme on planning, investigation, design and implementation of rural water supply multi village schemes including use of total station and IT applications during 19 – 30 November, 2012 at ESCI Campus, Hyderabad on 20<sup>th</sup> November,2012.
7. Delivered lecture on **“RS and GIS applications for RWS schemes”** in a training Programme on planning, investigation, design and implementation of rural water supply multi village schemes including use of total station and IT applications during 28 – January – 08 Feb, 2013 at ESCI Campus, Hyderabad on 01<sup>st</sup> Feb,2013.
8. Delivered lecture on **“Groundwater quality assessment using geospatial technologies”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 10-04-2013.
9. Delivered lecture on **“Data Editing & GIS data Model”** in a UGC sponsored three week refresher course on GIS based Engineering Applications scheduled from 25-02-2013 to 16-03-2013 at UGC-ASC JNTUH on 02-03-2013.
10. Delivered lecture on **“Geospatial Applications for Evapotranspiration”** in a UGC sponsored three week refresher course on Satellite data applications in weather and climate change scheduled from 18-03-2013 to 10-04-2013 at UGC-ASC JNTUH on 20-03-2013.

11. Delivered lecture on **“Geospatial applications for groundwater management”** in a UGC sponsored three week refresher course on GIS based Engineering Applications scheduled from 25-02-2013 to 16-03-2013 at UGC-ASC JNTUH on 26-03-2013.
12. Part of brain storming session on climatic change and urban flooding scheduled on 6-04-2013 along with Prof. Mujumdar, IISC Bangalore, Prof. Srinivasan, IIT Chennai, Prof KP Sudheer, IIT, Chennai and Dr.Vijaya Kumar, NIH, Kakinada on the dais.
13. Delivered lecture on **“Data Editing & GIS data Model”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 26-03-2013.
14. Delivered lecture on **“Rainfall-Runoff Modelling using GIS”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 12-04-2013.
15. Delivered lecture on **“Groundwater quality assessment using geospatial technologies”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 10-04-2013.
16. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 07-10-2013 to 11-10-2013 ESCI, Hyderabad on 09-10-2013.
17. Delivered lecture on **“types of pumps-design and selection criteria for water supply pumps including performance curves”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
18. Delivered lecture on **“RS &GIS Application for RWS&S Schemes case studies”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 29-07-2013 to 03-08-2013 ESCI, Hyderabad on 01-08-2013.
19. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
20. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 23-10-2013 to 25-10-2013 ESCI, Hyderabad on 23-10-2013.
21. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-12-2013 to 12-12-2013 ESCI, Hyderabad on 11-12-2013.
22. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and

maintenance of Rural Water Supply & Sanitation schemes scheduled from 25-09-2013 to 27-09-2013 ESCI, Hyderabad on 25-09-2013.

23. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-12-2013 to 12-12-2013 ESCI, Hyderabad on 11-12-2013.
24. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
25. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 22-01-2014 to 24-01-2014 ESCI, Hyderabad on 22-01-2014.
26. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 12-02-2014 to 14-02-2014 ESCI, Hyderabad on 12-02-2014.
27. Delivered lecture on **“water assurance & safety plans”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 15-07-2013 to 19-07-2013 ESCI, Hyderabad on 17-07-2013.
28. Delivered lecture on **“types of pumps-design and selection criteria for water supply pumps including performance curves”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 12-08-2013 to 14-08-2013 ESCI, Hyderabad on 12-08-2013.
29. Delivered lecture on **“types of pumps-design and selection and Maintenance”** in a APRWSSP, GoAP, Hyderabad sponsored interaction programme on Design selection installation and operation & maintenance of pumping equipment including pumping main, pipes and valves scheduled from 19-12-2013 to 22-12-2013 ESCI, Hyderabad on 19-12-2013.
30. Delivered lecture on **“water security assurance-water conservation and rain water harvesting structures including design and construction aspects”** in a PSU, APRWSSP, GOAP, Hyderabad sponsored interaction programme on Water conservation and rainwater harvesting structures including design and construction aspects scheduled from 02-08-2013 to 06-08-2013 ESCI, Hyderabad on 04-08-2013.
31. Delivered lecture on **“selection design and o&m of pumps”** PSU, APRWSSP, Govt. of A.P sponsored interaction programme on Establishment of Operation and management systems for SVS&MVS scheduled from 20-01-2014 to 24-01-2013 ESCI, Hyderabad on 23-01-2014.
32. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS, GOVT. OF A.P scheduled from 21-10-2013 to 17-11-2013 ESCI, Hyderabad on 04-11-2013.

33. Delivered lecture on **“Surge Analysis”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 06-11-2013 to 03-12-2013 ESCI, Hyderabad on 01-12-2013.
34. Delivered lecture on **“Types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 29-11-2013.
35. Delivered lecture on **“case study in RWS using RS,GIS and GPS applications”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 07-12-2013.
36. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 22-12-2013.
37. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 18-12-2013.
38. Delivered lecture on **“surge analysis”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 29-12-2013.
39. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 30-12-2013.
40. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 16-12-2013 to 12-01-2014 ESCI, Hyderabad on 20-12-2013.
41. Delivered lecture on **“Field visit to water harvesting structure-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 31-12-2013.
42. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 05-01-2014.
43. Delivered lecture on **“RS&GIS Application for RWS schemes”** in a MoDWS, GOI, New Delhi sponsored training programme on planning, investigation, design and implementation of rural water supply multi-village schemes including use of total station and IT Applications scheduled from 16-09-2013 to 27-09-2013 ESCI, Hyderabad on 17-09-2013.
44. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply & sanitation schemes scheduled from 07-10-2013 to 11-09-2013 ESCI,Hyderabad on 09-10-2013.
45. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply & sanitation schemes scheduled from 07-10-2013 to 11-09-2013 ESCI,Hyderabad on 09-10-2013.
46. Delivered lecture on **“Types of pumping systems in water supply-design selection and maintenance”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply &

sanitation schemes scheduled from 19-12-2013 to 22-12-2013 ESCI, Hyderabad on 20-12-2013.

47. Delivered lecture on **“Rain water harvesting”** in UGC Sponsored four week “37<sup>th</sup> orientation course scheduled from 20-01-2014 to 15-02-2014 at UGC-Academic Staff College, JNTUH, Kukatpally, Hyderabad on 14-02-2014.
48. Delivered a guest lecturer at VNR VJIEET, Dept. of Civil Engineering Hyderabad on 19<sup>th</sup> March, 2015 on “Efficient Use of Available Water Resources for More Crop per Drop”.
49. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Hydrology and Irrigation Aspects for AEEs of Water Resources Dept., A.P”** on 17<sup>th</sup> November, 2015.
50. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Hydrology and Irrigation Aspects for AEEs of Water Resources Dept., A.P”** on 26<sup>th</sup> November, 2015.
51. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 2<sup>nd</sup> December, 2015.
52. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 16<sup>th</sup> December, 2015.
53. Delivered a guest Lecture at Sri Venkateswara University, Tirupathi, A.P on 19<sup>th</sup> December, 2015 on **Rain Water Harvesting- Best Practices.**
54. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 28<sup>th</sup> December, 2015.
55. Delivered lecture on **“Field visit to Rainwater Harvesting Structures - JNTU, Hyderabad”** for President, Secretary & other members of the Hill county Properties Ltd, Nizampet, Hyderabad on 19-02-2016.
56. Delivered lecture on **“Water Conservation, Rain Water Harvesting”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 27.06.2017 at 14:00-15:30 Hrs.
57. Delivered lecture on **“Water Audit”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 27.06.2017 at 15:45- 17:15 Hrs.
58. Delivered lecture on **“Water Conservation, Rain Water Harvesting”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 22.06.2017 at 09.45 – 11.15 hrs.
59. Delivered lecture on **“Water Audit”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 22.06.2017 at 11.30 – 13.00 hrs.
60. Delivered lecture on **“Water Quality Assessment”** at Engineering Staff College of India (ESCI), Hyderabad 3 Day Training Programme on **“Water Pollution Monitoring and Modeling using Software Applications – Theory and Hands-on Practice (in compliance with MoEF & CC Guidelines”** scheduled during 06 – 08 June, 2017 on 08.06.2017 at 09.45 – 11.15 hrs



- 61.** Delivered a lecture on “Water Conservation and Water Audit” at Engineering Staff College of India (ESCI), Hyderabad 3 - day Individual Capacity Building Programme under CBUD Project of AMRUT–**Capsule 1 - Orientation Programme for the Public Health Engineers of ULBs of Government of Puducherry** during 23 - 25 May, 2017 at ESCI campus, Hyderabad. on 23.05.2017 at 14.30 – 15.45 Hrs
- 62.** Delivered a talk on " **Rain Water harvesting in the Urban Scenario** during the seminar on " Sustainable Water Management" on the occasion of General Sir Arthur Thomas Cotton scheduled to be held on 15th May, 2017.

### **TECHNICAL VISITS ABROAD**

1. USA
2. Thailand
3. Vietnam
4. Colombo

### **SOFTWARE EXPERTISE**

- Remote Sensing: ERDAS and GEOMATICA
- GIS: Arc/ Info, Arc View. Arc.GIS, GRAM, MapInfo
- Modeling: Mike SHE, Modflow, Statistical: Sysstat, Minitab
- Experienced in modeling using high level languages FORTRAN and C

### **MEMBERSHIP OF PROFESSIONAL SOCIETIES**

1. Life member of International Association of Hydrologic Society
2. Life member of Institution of Engineers (India)
3. Life member of Indian Society of Remote Sensing
4. Life member of Indian Water Resource Society
5. Life member of Journal of Hydrology
6. Life member of Indian Society of Technical Education
7. Life member of JNTU forum for Science & Society
8. Life member of Journal of Current Sciences
9. Life member of Association of Hydrologists of India.
10. Life member of Indian society for hydraulics
11. Member, BOS, Agricultural Engineering, JNT University Hyderabad.
12. Association of Global Groundwater Scientists(AGGS) Coimbatore, India

### **STUDENTS GUIDED:**

<b>Sl.No</b>	<b>Name</b>	<b>Title of thesis</b>	<b>Year of completion</b>
1	P.SUNEEL KUMAR	Application of geomatics for estimation of daily actual evapotraspiration	2008
2	B.V.NAGESWAR A RAO	Spatial decision support system for ground water quality management at village level using geomatics	2008
3	B.SRINIVASA RAO	A geomatic approach to drought analysis	2008
4	A.SHRAVAN KUMAR	Multi electrode resistivity survey for characterization of hard rocks in kudliar watershed, medak district, ap	2008
5	V.NARASIAH	Resistivity Well Logging Survey To Delineate The Sub-Surface Lithology In Hard Rock Terrain	2008
6	R.SHARMILA	Study On Enhancement Of Hybrid Energy Systems Using Solar Pv And Micro Hybrid Power Systems	2008
7	JATOTHU JAGAN	Assessment of surface and ground water quality for drinking and irrigation use	2009
8	V.T.VARUNA MITHRA	Development of hybrid power generation model using solar and wind	2009
9	SAJAN KUMAR SIDDAMSHETTY	Studies on potential applications of bioenergy in india	2010
10	CHAITANYA KUMAR RAMINANE	Surface water bodies assessment before and after urbanization in and around Ghmc	2010
11	Anirudh. Ramaraju	Urban lake water quality assessment and monitiong- a geospatial approach	2010
12	Divya Chowdary. K	Performance analysis of rain water harvesting scheme in jntu hyderabad.	2010
13	Anil Kumar	Impact Of Coal Mining On The Ground Water Quality In Ramgundam Area	2011
14	RATHOD Ravinder	Development of spectral library for horticultural crops and soils using spectroradiometer.	2011
15	S. KALAVATHY	A comparative study on the use of alum and feeric chloride for turbidity and nutrient removal in urban lakes.	2011

16	P.BALA SUBHRAHMANY AM	Estimation of reference evapotranspiration and pan coefficient For different stations in A.P.	2011
17	PHANI KUMAR VRINKALA	A dissertation on water distribution network analysis using EPANET	2011
18	SRAVANI	To estimate the sustainable evapotranspiration equation	2011
19	B.SRAVANI	To Estimate The Suitable Evapotranspiration Equation For Dowlaiswaram	2012
20	M.MALLIKARJUN	Change Detection Study Of Pulicat Lagoon Using Rs&Gis	2012
21	G.NARESH	Influence Of Artificial Recharge Of Rainwater On Ground Water	2012
22	K.SHIRISHA	Water Quality Maps For A Surface Water Body Using Geomatics	2012
23	K.NARESH	Impact Of Artificial Recharge Of Roof Top Rainwater On Groundwater	2012
24	K.C.ACHARYULU SRINIVASULA	Delineation Of Watershed Using Geomatics	2012
25	R.SREENIVASA REDDY	A Critical Analysis Of Energy Savings In Urban Local Bodies - Pre And Post Apusp Implementation Scenarios - A Case Study In Nalgonda And Wanaparthy Municipalities	2012
26	K.RANI	Forecasting Ground Water Level Using Artificial Neural Networks For Maheswaram Water Shed	2012
27	BABY PARIMAL	Generation of power from rice husk waste	2012
28	DEVASISH GHOSH	Generation of power from municipal solid waste	2012
29	KANAKA PRASAD	Optimization of Hazardous waste utilization in cement industry through co processing	2012
30	D.SHRAVANI	WEB 2.0 mapping mashup application tool - kit for jntu hyderabad location in andhra pradesh using google maps api version 2 & microsoft virtual earth	2012
31	P.VISHNU VARDHAN	Sediment transport modeling using artificial neural networks and sediment rating curves.	2013
32	P.RAJINI	GIS Based Flood Vulnerability Studies - Swarnamukhi River - A Case Study	2013

33	K.PHANINDRA	Temporal Shoreline Change Detection Along Gujurat Coast,West Coast Of India - Remote Sensing And Gis Approach	2013
34	V.RAGHU RAMA REDDY	Soil Quality Study For Identification Of Suitable Petro-Chemical Industry Site Using Remote Sensing And Gis :A Model Study	2013
35	V.SAI RAM GOPAL	Temporal Shoreline Change Detection Along Orissa Coast,East Coast Of India- Remote Sensing And Gis Approach	2013
36	P.SARANYA,V.S. H.S.BRAHIMA,P. P.PAVAN KUMAR,D.SAI SUBASH	Semi-Distributied Rainfall - Runoff Modelling Using Remote Sensing And Gis	2013
37	N HARIKANTH	Web based runoff and peak flood estimation model	2013
38	MD.NAZIA FIRDOUSE	Web-gis based college information system (web-cis)	2013
39	M.INDIRA PRIYADARSINI	Gis-based ground water tool - an extension to esri arcgis software	2013
40	C.VENKATESWA RA RAO	Identification of suitable locations for small hydro power plants using geomatics	2013
41	B.RAJASEKHAR	Effective water distribution system using scada:a case study of vijayawada muncipal corporation	2013
42	M.DEVAPUTRA	Estimation of hydrological parameters from basin characteristics for a semiarid catchment	2013
43	T.V.DAYAKAR RAO	Identification of soil erosion and water conservation structures using remote sensing and gis	2014
44	N.VIJAYA KUMAR	A study on water quality of osmansagar reservoir for sustainable drinking water	2014
45	B.RAVINDER	Residual energy and relative loss of energy on spillways	2014
46	ZAINAB MASOOD	Study of long term trends of ret and crop water demand in godavari basin using geospatial techniques	2014

47	P.INIRA	Urban Air Quality Analysis Of Ramachandra Puram And Patancheru In Greater Hyderabad Muncpal Corporation	2014
48	M.SUKANYA	Development of continuous water supply system approach using district metered area concept and geographical information system	2014
49	P.INDIRA	Urban air quility anaysis of ramachandra puram and patancheru in greater hyderabad muncpal corporation	2014
50	V.ASHOK	Continuous water supply and cost analysis a case study of adikmet zone,hyderabad	2014
51	K.RAMA KRISHNA REDDY	Evaluation and potential improvements to proposed hydro electric project	2014
52	B.RAJESH REDDY	Water shed management using remote sensing and geographical information system - a case study	2014
53	ARFATH AHMED KHAN	Ground water recharge estimation model using fazzy logic	2014
54	NARLA SIVA VANI	Estimation of hourly reference evapotranspiration	2014
55	R.Suresh Kumar	Regression analysis of rain fall and runoff process of kotapally watershed	2014
56	D.PRABHUSON	Gis and gps for utility mapping - a case study of kalyan nagar	2014
57	MADAK MADAVI	A dissertation on cavitation damages	2015
58	G.CHANDRA REDDY	Development of intensity duration frequency relationship and impact of climate on monthly rainfall	2015
59	P.VISHNU VARDHAN	Sedimenttransport mondeling using artificial neural network and sediment rating curve	2015
60	G.TRISUL KUMAR	Applications of infiltration studies for effective mangement of water resource in a costal belt	2015
61	PINAPA VIDYASAGAR	Water shed management for dharmasagaram mandal in warangal dist in telangana state	2015
62	G.PUNEETHA	Phytoremediation of urban sewage water	2016
63	GOLLA.SREENIV ASU	Roof top rain water harvesting studies in JNTU Hyderabad campus	2016

64	K.B.REKHA	Determination of ground water quality index	2016
65	SINDHU DONDHI	Effect of Irrigation Requirement Due to Climate Change on Cammand Area	2017

I solemnly declare that all the above particulars are true, complete and correct to the best of my knowledge.

**[Dr. M.V.S. S. Giridhar]**