

Detailed Curriculum Vitae of Prof. B.Venkateswara Rao

Name : B. VENKATESWARA RAO

Date of Birth : May 27, 1961

Present Position : Professor of Water Resources and Director
Institute of Science and Technology,
JNT University Hyderabad.

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Highlights of Major Contributions

Dr. B.Venkateswara Rao did his Ph.D. in Water Resources from Jawaharlal Nehru Technological University Hyderabad (JNTUH) and is presently working as Professor of Water Resources and Director, Institute of Science and Technology, JNT University Hyderabad (JNTUH). Formerly he was also Director for School of Continuing and Distance Education, JNTUH. He has obtained his masters degree from Andhra University in the field of Geophysics in the year 1984. He was an anchor to develop the Centre for Water Resources by starting M.Tech. (Water and Environmental Technology) and Ph.D. (Water Resources Management) programmes apart from developing relevant laboratories at the centre. He has also developed Centre for Earth, Atmosphere and Weather Modification Technologies (CEA&WMT) at JNTUH by starting Ph.D. (Earth and Atmospheric Sciences) and M.Sc. (Satellite Meteorology and Weather Informatics). He has introduced several P.G. courses in the fields of Science, Technology and Management in the correspondence cum contact mode at JNTUH and used Information and communication Technologies effectively to reach the masses. He was a state level Coordinator of the A.P. Stat Cloud Seeding Programme from 2008 and 2009. He has executed 15 R&D projects sanctioned by national and international funding agencies and guided 60 M.Tech. and 6 Ph.D. thesis in the water and environmental issues. He has published over 120 research papers many of them are in both National and International journals. Prior to his academic career he worked in number of field organizations in exploring the Ground Water and responsible for drilling hundreds of wells in various geologic terrains such as Khondalites, Granites and Basalts.

Dr. Rao is life member of many professional organizations in the field of water resources, few of them includes IWRA, AGID, IWRS, IAH, AHI, AGU and AEG. His areas of research interest include Ground Water Resources Exploration and Management, Environmental pollution and Impact Assessment, Hard Rock Hydrology, Siltation and Sustainability of Multipurpose Reservoir projects Weather Modification and Watershed Management. He is referee to several national and International Journals in the fields of Water and Environment.

He is an expert committee member for Selection of the projects and personnel in the prestigious National bodies like Department of Science and Technology, Council of Scientific and Industrial Research and National Geophysical Research Institute, Central Research Institute for Dry land Agriculture and Osmania University. He served as Member Board of Intermediate Govt. of Andhra Pradesh. He has been governing body member for many engineering colleges in Andhra Pradesh. He is a member of technical advisory committee of National Institute of Hydrology. The University of Birmingham, U.K. has conferred upon Dr. Rao the title of **Honorary Research Fellow** in the school of Engineering during 2004-2005. He was a **Visiting Professor** at the Department of Earth and Environmental Sciences at Rutgers University, Newark, USA during 2007 and 2014. In recognition of his outstanding contribution in the field of New and Emerging Sciences, the Govt. of Andhra Pradesh is conferred on him the **Andhra Pradesh Scientist Award (2006)**. In recognition of his outstanding contribution in the field of Groundwater Exploration, the **National Geoscience Award (2011)** is conferred upon Dr. Bekkam Venkateswara Rao, by Government of India. He has been elected as a **Fellow of Andhra Pradesh Akademi of Sciences (APAS)** in the year 2014. He was also a **Fellow of Indian Geophysical Union (IGU) from 2013**. The Govt. of Telangana has awarded Dr. Rao the **Best Teacher Award (2015)**. The Association of Exploration Geophysicists has conferred upon Dr. Rao AEG's **Sriram Srinivasan Award (2016)** for the his significant contributions in groundwater exploration. Indian National Science Academy (INSA) has awarded Prof. Rao the **INSA Teachers Award (2016)** for inspiring students to take up careers in Science and Technology. He was elected as a **Fellow Institution of Engineers (2018)**. He was a **president Association of Global Groundwater Scientists during 2016-19 and was elected as Fellow.**

Academic Qualifications

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| Ph.D. | <i>Water Resources (1995)</i> , Centre for Water Resources, Jawaharlal Nehru Technological University, Hyderabad, A.P., India. |
| M.Sc. (Tech) | <i>Geophysics (1984)</i> , Department of Geo-physics, Andhra University, Visakhapatnam, A.P., India. |
| B.Sc. | <i>Physics, Maths, Chemistry (1981)</i> Acharya Nagarjuna University, Guntur, A.P., India. |

Professional Experience

- 1 *Jr. Geophysicist* (25-7-1984 to 27-11-1986) in the GWRDC Ltd Gujarat
- 2 *Asst. Geophysicist* (28-11-1986 to 8-5-1989) in the APSIDC, Hyderabad
- 3 *Assistant Professor (Lect)* (9-5-1989 to 21-11-1997) in the JNT University, Hyderabad
- 4 *Associate Professor* (22-11-1997 to 15-02-2006) in the JNT University, Hyderabad
- 5 *Professor* (16-02-2006 to Till Date) in the JNT University, Hyderabad

Administrative Experience

1. Director, Institute of Science and Technology, JNT University Hyderabad, 06-01-2018 onwards
2. **Director School of Continuing and Distance Education (SCDE)** JNT University Hyderabad June 2012 – May 2015
3. **Co-Ordinator of Centre for Earth, Atmosphere and Weather Modification Technology (CEA&WMT)**, JNT University Hyderabad Nov.2008 – June 2012
4. **Head of the Department**, Centre for Water Resources, IST, JNTU from 1999-2008.
5. **Coordinator Part-time Post graduate Programmes** of Institute of Science and Technology (IST), JNTU, 2004-2008.
6. **Officer In-Charge Examinations** for IST, JNTU from 2005-2008
7. **Principal Investigator for the on going MHRD, AICTE, DST, IWMI and MoR Projects** at Centre for Water Resources, JNT University.
8. **Partner country project leader for the on going International Project on Krishna Basin** involving IWMI, Melbourne University Australia and JNT University
9. **Officer In-Charge** for Internet facilities IST JNTU, 2005 – 2008
10. **Assistant Public Information officer** for IST, JNTU, 2006 – 2008
11. **Board of Studies Chairman for faculty of Water Resources** 1999-2008.
12. **Board of Studies Chairman for Centre for earth and Atmosphere and Weather Modification Technology (CEA&WMT)** 2008 onwards

Field Experience and Achievements

1. Hundreds of bore wells were constructed in different hydrogeological environments (like Deccan Traps in Gujrat and Maharashtra, Khondalites and Granites in A.P.) based on hydrogeological and geophysical investigations conducted by me, with an overall success rate of 75% (Under NABARD norms)
2. Conducted extensive hydrogeological and geophysical investigations to delineate salinity intrusion zones in coastal Sourashtra region.
3. Hydrological and geohydrological investigations were conducted while constructing the lift irrigation schemes in northern parts of Eastern Ghats of A.P.
4. Evolved a methodology for identification of sites for high yielding bore wells in northern parts of Eastern Ghats of A.P.
5. **Analyzed the Hyderabad water supply problems and suggested some remedial measures to Govt. of A.P.**, which has implemented the suggestions like, recharge pit in the individual houses.
6. Conducted several Ground Penetrating Radar (GPR) Surveys to delineate the cavities along the HMWS&SB pipe lines and other civil utilities.

Honors and Awards conferred

1. **INSA Teachers Award - 2016** by Indian National Science Academy
2. **AEG – Data Code Sriram Srinivasan Award - 2016**
3. Elected as **President** for Association of Global Groundwater Scientists (AGGS) for the term 2016-19 and **Fellow** from the year 2019.
4. **State Award to Meritorious Teachers Award - 2015** by Govt. of Telangana.

5. Elected as a **Fellow of Andhra Pradesh Akademi of Sciences (APAS)** in 2014.
6. **National Geoscience Award – 2011** in the field of Groundwater Exploration by Government of India in the year 2013.
7. Elected as a **Fellow of Indian Geophysical Union (IGU)** in 2013
8. **Andhra Pradesh Scientist Award - 2006** in the field of New and Emerging Sciences by Government of Andhra Pradesh.
9. **Honorary Research Fellow** during 2005 by Birmingham University (UK)
10. Elected as **Fellow Institution of Engineers -2018**
11. Elected as **Vice President Indian Meteorological Society (IMS)** Hyderabad Chapter 2019.

Academic Activities

A. Teaching Activities

1. M.Tech (Water and Environmental technology)
2. M.Sc (Water and Environmental science)
3. M.Sc (satellite Meteorology and Weather Informatics)

B. University Evaluation

1. Evaluated M.Tech papers, M.Tech theses and Ph.D theses as External Examiner for the universities of Osmania University, Andhra University and JNT University.
2. Special observer many times for the University examinations of JNT University and EAMCET
3. Member Fact Finding Committees for affiliation of engineering colleges under JNT University

C. Paper Setting

Paper setter for M.Tech (Water Resources Management), M.Tech (Environmental Management) for JNT University, Andhra University and Osmania University.

D. Evaluation of Theses

Several M.Tech and Ph.D Theses of JNTU, OU, AU, Pondyerry University, M.S. University Baroda, Rajasthan University and C.C.S. University, Merut, Anna University Tamil Nadu were evaluated.

E. Design of Curriculum

Designed the course structure and syllabus for the following courses as a Chairman Board of Studies in Water Resources

1. M.Tech (Water & Environmental Technology, Day Time)
2. M.Sc (Water & Environmental Science ,Day Time)
3. M.Tech Water Environmental Technology, Part time)
4. M.Sc (satellite Meteorology and Weather Informatics, Day time)
5. M.Tech (satellite Oceanography and Ocean Informatics, Day time)
6. Introduced MBA, MCA, M.Sc's and value added PG diplomas in the correspondence cum contact mode at JNTUH.

F. Laboratory Development

Following laboratories were established at Centre for Water Resources, JNT University.

- 1. Computer Simulation & Modelling Laboratory:** A modern simulation and Utilization laboratory is established with the acquisition of 25 Pentiums connected under LAN with application softwares such as WMS, SMS, Visual Modflow, ILWIS, ERDAS and Arc View.
- 2. Hydrogeophysical Laboratory:** A hydrogeophysical laboratory for ground water Exploration is established in the Centre for Water Resources. The equipment includes Digital Resistivity Meters, Digital Well Logging System, Proton Precession Magnetometer, Seismic Timer, Electromagnetic Equipment (VLF) and 12 channel Shallow Seismic Unit, Pumping test equipment and Resistivity imaging equipment and Ground Penetrating Radar. Many field investigations have been carried out and analyzed.
- 3. Remote Sensing Laboratory:** To meet the Remote Sensing applications of water resources, a remote sensing laboratory is established with (i) Pentiums with GIS & Image processing software, (ii) Light tables and (iii) Digital planimeters (iv) GPS 5nos.
- 4. Hydrometeorological station and field farm:** To measure all the hydro meteorological parameters such as rainfall, runoff, temperature, evaporation, sunshine hours, etc and to collect site specific data such as stream gauging and river water for sediment analysis Hydrometeorological station and field farm is established with Infiltrimeters, Evapometers, Stream Gauges, Rain Gauges, Automatic Weather Data Equipment and Digital water level recorder.
- 5. Surface Meteorological Observatory:** To measure rainfall temperature, wind velocity, wind direction and evaporation manually, a surface meteorological observatory is established at the Centre for Earth, Atmosphere and Weather Modification Technologies.
6. Developed and Introduced Information and Communication Technologies to reach effectively the students of Correspondence cum contact courses at JNTUH.

Expert Lectures Delivered and Preparation of Resource Materials

Given several Expert lectures and prepared lecture notes more than once to the following organizations in the field of Water and Environment

1. Indian Institute of Chemical Technology (IICT)
2. Hyderabad Metro Water Supply and Sewage Board (HMWS&SB)
3. State Ground Water Department (SGWD), Govt. of AP
4. Panchayat Raj Engineering Department (PRED), Govt. of AP
5. Central Research Institute for Dry Land Agriculture (CRIDA)
6. UGC Academic Staff College, JNT University
7. Andhra Pradesh State Council for Science and Technology (APCOST)
8. Department of Ecology and Environment University of Pondyicherry
9. National Geophysical Research Institute, Hyderabad (NGRI)
10. Dept. of Earth Sciences, SRTM University, Nanded
11. World Water Day – 2011 Lecture at JNT University Hyderabad.
12. Earth Day Lecture at JNT University Hyderabad.
13. Given Keynote Address in a National Seminar at AITS

14. Engineers Day -2011 Lecture at Institute of Engineers, Hyderabad
15. Lecture in a Workshop at Gokaraju Rangaraju Engineering College
16. Royal Society London (Deccan Section) at IICT Hyderabad
17. National Academy of Agricultural Research Management (NAARM) Hyderabad
18. Rajiv Gandhi University of Knowledge Technologies, IIIT Nuziveedu.
19. Expert lecture on Water Conservation at NIMSME, Hyderabad on 28th March, 2014.
20. World Water Day and Environmental Day lectures at Institution of Engineers- 2014.
21. Plenary talk delivered at ICHWAM -2014 at JNTUH
22. Key note address at VNR VJIET on the occasion of National Workshop on EUAWR-2015
23. Two expert lectures were delivered to green brigade contractors of GHMC under aegis of National Academy of Construction in 2015.
24. An expert lecture was delivered to school teachers under aegis of CPR environmental education centre of MOEF Govt. of India in 2015
25. Key note address delivered at National University of Advanced Legal Studies (NUALS) during national conference at Kochi, Kerala in 2015.
26. An Expert lecture delivered at Centre for Good Governance – 2015 at Gachibowli Campus, Hyderabad.
27. Key note address delivered at IGWC-2015 organised by SRM University and Association of Global Groundwater Scientists at Chennai in 2016
28. An Expert lecture delivered at Centre for Good Governance – 2016 at Gachibowli Campus, Hyderabad.
29. An Expert lecture delivered on World Water Day-2016 at JNTUH
30. An expert lecture was delivered to school teachers under aegis of CPR environmental education centre of MOEF Govt. of India in 2016
31. A Chief Guest address was delivered in Malla Reddy Institute of Technology & Science for 3rd Annual day celebrations in 2016.
32. A Chief Guest address was delivered in Avanthi's Scientific Technological and Research Academy on Engineer's day in 2016
33. Delivered a key note address in the National Seminar on "Drinking Water Quality in Rural India : Challenges and Remedies" conducted by CRR engineering college, Eluru in the December, 2016
34. An expert lecture was delivered in the Engineering Staff College of India for municipal engineers in a national work shop on urban flooding and drainage in 2016.
35. Delivered an invited talk in the national seminar on "Disasters-Mitigation Of Floods And Urban Drainage Issues" conducted by 'Institution of Engineers, Telangana State in January, 2017
36. Delivered an invited talk in the national seminar on 'Climate Change Impacts, Adaption and Mitigation' in the February, 2017
37. Delivered an invited talk in the national seminar on "Groundwater crisis in the peninsular India" conducted by 'Institution of Engineers, Telangana State in April, 2017 on the event of Earth day celebrations.
38. Delivered an invited talk in the national workshop on "Groundwater Monitoring, Planning, Recharge and Sustainable Use: Village Level Participatory Approaches and Tools" organized by Western Sydney University, Australia on May, 2017.
39. Delivered an expert lecture on "Groundwater exploration in hard rocks" for the geophysist trainees at GSI training institute Hyderabad on August, 2017

40. Delivered a plenary talk on 'Ground Water My View' at the plenary session of IGWC -2017 New Delhi
41. Delivered two expert lectures on Geophysical Methods of Groundwater Exploration at Gujarat Water Resource development Corporation Gandhinagar in a training programme under the National Hydrology project during Feb. 2018.
42. Delivered Keynote Lecture on "Groundwater Quality in hard Rocks" at Indian National Groundwater Conference during Dec. 2018 at Jalgon Maharastra.
43. Delivered keynote lecture on "Groundwater Quality in Hard Rocks" at 5th International Conference on Hydrology and Watershed Management (ICHWAM-2019)
44. Delivered invited talk in the panel discussion at the 3rd World Water Summit 2019
45. Delivered expert lecture in the AHI workshop during FIGA conference Oct. 2019
46. Delivered Keynote address in the AHI seminar during FIGA conference Oct. 2019
47. Delivered Lectures at Dayalbag Educational Institute on Good Governance of Academic Institutions and Research & Academic Ethics.

Extension Work and Community Service

1. Worked in no. of villages for ground water investigations to help small and marginal farmers for combating drought.
2. Educated farmers on water and soil conservation works through several workshops and training programmes.
3. Educated farmers on cloud seeding programme through several workshops and awareness programmes

Expert Member on Various Committees on Education, Research and National Development

1. Member *Board of Intermediate* for Five years 1998-2003
2. Member of *Technical Advisory Committee of "National institute of Hydrology Roorkee, India"* during 2007 - 2010.
3. Member *Assessment Committee for Scientist Promotions* at NGRI and CRIDA
4. Expert Member for *Evaluation of DST projects*
5. Expert Member for *Evaluation of CSIR projects*
6. *Member Governing Council*, IST, JNTUH
7. *Member Academic Council*, IST, JNTUH
8. *Governing Body Member* of several engineering colleges in A.P
9. *Internal Expert on the University Purchase Committee* of JNTH
11. *Member Expert panel to review R&D projects* of Indian National Committee on Ground Water under Ministry of Water Resources Govt. of India
12. *Member board of Research committee* of EPTRI
13. Chairman board of studies in Earth and Atmospheric Sciences, JNTUH
14. *Member, State Level Technical Committee of APSDMS*
15. *Member, State Level Technical Committee for Evaluation of Reports of CGWB*
16. *Member, Outsourcing committee JNTUH.*
17. *Executive committee Member, Association of Hydrologists India*
18. State Level Expert committee member constituted by the GHMC for recharge pits.
19. Member board of studies in Geophysics Osmania University since 2016.
20. Member Editorial team Journal of Indian Geophysical Union since March 2016.

21. Academic Council member in several engineering colleges

Visits Abroad

1. For presenting Research papers in International Conferences

- i. Switzerland in 1990
- ii. Sweden in 1995, 1999, 2006 and 2010
- iii. Italy in 2004 and 2015
- iv. USA in 2007, 2014 and 2016
- v. Mexico in 2007.
- vi. Oslo in 2008
- vii. Singapore in 2009.
- viii. Egypt in 2013.
- ix. China 2016
- x. Tunisia 2018

2 Visiting Professor

- i. Department of Earth and Environmental Sciences, Rutgers State University, New Jersey, USA, 2007 and 2014.

3. Expert lectures delivered

- i. Department of Civil Engineering, New Jersey institute of technology, New Jersey, USA, 2007.
- ii. Jackson State University, Jackson Mississippi, USA, 2007.
- iii. Department of Earth and Environmental Sciences, Rutgers State University, New Jersey, USA, 2007 and 2014.

Membership in Professional Bodies

1. Life Member "*Indian Water Resources Society*" (IWRS)
2. Life Member "*Indian Association of Hydrologists*" (IAH)
3. Life Member "*Indian Society for Technical Education*" (ISTE)
4. Life Member "*Association of Exploration Geophysicists*" (AEG)
5. Life Member "*Association of Hydrologists of India*" (AHI)
6. Life Member "*Association of Geoscientists for International Development*" (AGID)
7. Life Member "*India Meteorological Society*" (IMS)
8. Member "*International Water Resources Association*" (IWRA)
9. Member "*American Geophysical Union*" (AGU)
10. Member "*Asia Oceania Geosciences Society*" (AOGS)
11. Life Member "*Association of Global Groundwater Scientists*" (AGGS)

Detail of Books/Reports, Authored and Edited

1. Venkateswara Rao, B. (Ed. In-Chief), Ram Mohan Reddy, K., Sarala, C. and Raju, K., 2002. Edited two volumes of the proceedings of the International Conference on "Hydrology and Watershed Management" held during December 2002 at JNT University and published by BS Publications, Hyderabad, 1487 p.

2. Venkateswara Rao, B., 2004. “Neeru Pranaadharam – Vrudha Cheyakandi” was written in Telugu for the purpose of farmers and general public as a popular science booklet, published by Centre for Water Resources, JNT University Hyderabad, 16 p.
3. Venkateswara Rao, B. (Ed. In-Chief), Jagmohan Das, G., Sarala, C. and Giridhar, M.V.S.S., 2006. Edited two volumes of the proceedings of the Second International Conference on “Hydrology and Watershed Management” held during December, 2006 at JNT University and published by BS Publications, Hyderabad, 1586 p.
4. Venkateswara Rao, B. 2009. “Technical Report on Indira Meghamadhanamu (Cloud seeding) Programme-2008”, submitted to Rain shadow area development department Govt. of A.P. 225 p.
5. Sarala, C., (Ed. In-Chief), Venkateswara Rao, B., Giridhar, M.V.S.S., Varalakshmi, V., 2010. Edited two volumes of the proceedings of the Third International Conference on “Hydrology and Watershed Management” held during Feb., 2010 at JNT University and published by BS Publications, Hyderabad, 1453 p.
6. Venkateswara Rao, B., 2010. Technical Report on Indira Meghamadhanamu (Cloud seeding) Programme-2009, submitted to Rain shadow area development department Govt. of A.P., 330 p.
7. Venkateswara Rao, B. and Varalakshmi, V., 2012 “Hydrodynamics of an Urban river – Case Study of Musi river, Hyderabad, India” In: “Natural Resources: Technology, Economics and Policy”, Ed. by U. Ashwathanarayana and published by CRC Press/ Balkema – Taylor & Francis Group, pp. 177-197.
8. Varalakshmi, V. and Venkateswara Rao, B., 2013. “Study on Impacts of Rainfall Variability and Urbanisation on Cropping Area” In: “Geospatial Technologies for Natural Resources Management” Ed S.K. Soam et al., New India Publishing Agency, New Delhi, pp-131-148.
9. Ramamohan, Reddy, K., (Ed. In-Chief), Venkateswara Rao, B., Sarala, C., 2014. Edited two volumes of the proceedings of the 4th International Conference on “Hydrology and Watershed Management” held at JNT University and published by Allied Publishers, Hyderabad, 1265p.
10. Venkateswara Rao B., 2016. Edited Procs. of the First Indian National Groundwater Conferenc (INGWC-2016) on Sustainable Development and Management of Groundwater Resources in Arid and Semi-Arid Regions, B.S. Publications, 479 p.
11. Sarala, C., (Ed. In-Chief), Venkateswara Rao, B., Ramamohan, Reddy, K., Giridhar M.V.S.S., (ICHWAM) 2019. Edited volume of the proceedings of the 5th International Conference on “Hydrology and Watershed Management” held at JNT University and published by BSP Publishers, Hyderabad, 763p.

Member Editorial Board of the journal

1. Journal of Indian Geophysical Union (JIGU)

Reviewer for the Journals

1. International Journal of Remote Sensing
2. Indian Journal of Remote Sensing
3. Current Science
4. Journal of Geological Resource and Engineering

5. Journal of Hydrologic Engineering of ASCE
6. Journal of Indian Geophysical Union
7. Journal of Water Resource and Protection (JWARP)
8. Journal of Applied Water Engineering and Research (JAWER)

Research Work Reported in the Press

Several news papers like, Hindu, Eenadu, Deccan Chronicle, Vaartha, and Indian Express have reported my research work on the Osmansagar and Himayatsagar lakes and other water resources aspects of recharge pits, rain water harvesting, weather modification technologies, Eastern Ghat Khondalitic Aquifers and Application of GPR to HMWS&SB sewerlines.

Propagation of Science through electronic media

Water and Soil Conservation, Water Management and Weather Modification Technologies have been propagated through the interviews broadcasted by Doordarshan and all other reputed Electronic Media and All India Radio, Hyderabad

Conferences, Seminars and Workshops Organized

1. A National workshop on “well Failures” Causes and Strategies for Effective Countering” was conducted during 6th to 7th December, 1990
2. Seminar on “Water and Environment” was conducted to celebrate the Water Resources Day of 1992
3. Expert lectures on “Alamatti Dam & Environmental Implications” arranged at JNT University on 1st October, 1996.
4. One day Seminar on “Geophysical Electrical Resistivity Imaging for use in Ground Water, Geotechnical and Environmental Implications” is conducted on 21st November, 1996. The Seminar is presented by the Mas Lagmanson, Advanced Geo Sciences INC, Austin, U.S.A. Sponsored by Electrotek international, Inc, Madras, India.
5. National Conference on “Engineering Trends in the Development of Sustainable Ground Water Sources” during 27th to 28th August, 1997.
6. Workshop on “Watershed Management – Problems and Prospects” in 1998 during 31st August, 1998.
7. A panel discussion on strategy paper prepared by Government of Andhra Pradesh on “Strategy Paper on Irrigation Development ” during 18th May, 2001.
8. An International Conference on “Hydrology and Watershed Management” with a focal theme on Water Quality and Conservation for Sustainable Development was conducted during 18th to 20th December, 2002.
9. Workshop on “Water Resources Management, Education, Training and Employment Opportunities in the State of A.P” on 9th November, 2003.
10. International workshop on “weather modification and cloud seeding technologies for rain water enhancement-2005” on 27th to 28th January, 2005.

11. 2nd International Conference on “Hydrology and Watershed Management” with a focal theme on “Water Productivity in the Agriculture” was conducted during 5th to 8th December 2006.
12. One-day workshop on “Coping With Water Scarcity” on the occasion of World Water Day on 22nd March, 2007.
13. Three day workshop on “Rainwater Harvesting and Recharge Methodologies” was conducted during 29th to 31st March, 2007.
14. Workshop on “Isotope Tracer Techniques for Water Resources Development and Management” was conducted on 12th February, 2008.
15. International workshop and Brainstorming session on cloud seeding operations in A.P. was conducted during 15th -17th December, 2008
16. One day workshop on “Water and Environment” was conducted on 20th March, 2009.
17. All party Rythu Sangham seminar on “Indira Meghamadhanamu” on 17th June. 2009
18. 3rd International Conference on “Hydrology and Watershed Management” with a focal theme on “Climate Change-Water Food and Environmental Security” was conducted during 3 – 5th Feb., 2010.
19. Organised a Technical Session on Cloud Aerosol Interaction and Weather Modification Experiments in Asia and Oceania during 5th – 9th July 2010 in the VII Annual Meeting of AOGS held at Hyderabad.
20. Acted as a Sectional Secretary on “Earth, Ocean and Atmospheric Sciences” in the A.P Science Congress and Annual Convention of Andhra Pradesh Akademi of Sciences during 18 – 20th November 2010.
21. Organised One Day Work Shop on “Open Source Satellite Data and Analysis of Ocean and Atmosphere” on 7th April 2011
22. Conducted “Earth Day Celebrations – 2011” on 23rd April 2011 at CEA&WMT, IST, JNTUH
23. Organised an Expert Lecture on “A Nutrients Time Bomb in the Bay of Bengal” by Ghosh Babba off environment Canada on 13th March, 2013.
24. Organised 4th International Conference on “Hydrology and Watershed Management” with a focal theme on Ecosystem Resilience – Rural and Urban Water Requirements during 29th October – 1st November, 2014.
25. A commemoration meeting was organized on Prof. U. Aswathanarayana, a renowned water resources specialist on the occasion of World Water Day-2016
26. Organized First Indian National Groundwater Conference (INGWC-2016) during October 5-7, 2016.
27. Organised one day workshop on Startup Awareness on the occasion of National Science day 2018
28. Organised one day workshop on Mobilizing the Earth to end Plastic Pollution on the occasion the Earth day 2018
29. 5th International Conference on “Hydrology and Watershed Management” was conducted during 12 – 15th Feb., 2019.

Short – term Courses and Training Programmes Organized

1. Short-term course on “Geostatistics and Stochastic Approaches” in hydrogeology was conducted during 10th to 15th July, 1992.
2. A Refresher Course on ‘Water Management’ was conducted to the faculty of various Engineering colleges during 11th to 30th March, 2002.
3. A Refresher course on “Natural Resources Management, Environmental & Employment” was conducted to Earth science teachers during 3rd to 15th November 2003.
4. A Refresher course on “Water Management” was conducted during 2nd to 22nd February, 2004.
5. An in house faculty training programme on “Ground Water Modeling” was conducted during 2nd to 9th January, 2006
6. A Farmers training programme on “Water and Soil Conservation Technologies for Improving Agricultural Productivity” conducted during 27th to 29th March, 2006.
7. A farmers training programme on “Soil and Water Conservation for Improving Agricultural Productivity” conducted during 25th to 27th September, 2006.
8. Colony residents Training Programme on “Rainwater Harvesting & Water Conservation Methodologies” is conducted during 29-31 March, 2007.
9. One week faculty training programme on “Resistivity Imaging Equipment” during 22nd to 26th July 2008.
10. Three –Week Refresher Course on “RS and GIS applications to Water and Environmental Technologies” during 25th August to 16th September, 2008.
11. Three –Week Refresher Course on “*Satellite Data Applications in Weather and Climate Change*” during 18.03.2013 to 10.04.2013.
12. One – Week short term Course on “Satellite data Applications in Earth and Atmospheric Sciences” during 06.01.2014 to 11.01.2014.
13. Four day training programme on “3D Resistivity Imaging for Groundwater Exploration” during 24th and 27th March, 2014.
14. Five day training programme on “Groundwater Modelling” during March 16-20, 2015
15. Three day training programme on “Ground Penetrating Radar (GPR) Applications” during Dec. 28-30, 2017.

International Seminars, Symposia, Workshops and Training Programmes Attended

S.No	Title	Name of the Organization	Duration
1.	International Symposium on Application of Geophysics To Water Prospecting in Arid and Semi Arid Areas.	Institute DE Geophysique University DE Lasuane, Switzerland	22-24 August, 1990
2.	First International Seminar And Exhibition on Explora-Geophysics in Nineteen Nineties	Association of Exploration Geophysicists, Hyderabad.	25-30 Nov, 1991.
3.	An International Conference On Remote Sensing and GIS	SEWAR, JNT University Hyderabad.	Feb., 1992, Dec., 94 & 97

4.	Fifth Stockholm Water Symposium 1995	Stockholm Water Company, Stockholm, Sweden.	13-18 Aug, 1996.
5.	Second International Seminar & Exhibition on Geophysics Beyond 2000	Association of Exploration Geophysicists, Hyderabad.	15-20 Nov, 1996
6.	International Symposium on Emerging Trends in Hydrology	Dept. of Hydrology University of Roorkee.	25-27 Sept, 1997
7.	9 th Stockholm Water Symposium	Stockholm International Water Institute, Stockholm, Sweden	Aug, 9-12 1999
8.	Mahadevan birth centenary International symposium on Challenges of Water Resources Management in 21 st Century	Andhra University Visakhapatnam	May 6 – 10 2001
9.	International conference on Industrial Pollution and Control Technologies	Centre for Environment, JNT University, Hyderabad	November 17-19, 1997 & December 7-10, 2001
10.	International Groundwater Conference on Sustainable Development and Management of Groundwater Resources in Semi – Arid Region with Special Reference to Hard Rocks	National Geophysical Research Institute, Hyderabad at Dindigul, Tamil Nadu	February 20-22, 2002
11.	International Conference on Hydrology and Watershed Management	Centre for Water Resources, JNT University Hyderabad	December 18-20, 2002
12.	International seminar on Watershed Development	Department of Geophysics, Andhra University, Visakhapatnam	October 16-18, 2003
13.	32 ND International Geological Conference	International Union of Geological Sciences Florence, Italy	August 20-28, 2004
14.	SIWI Seminar on “Hard or Soft Landing in Closing Basins? Coping with Quantity and Quality Challenges” as part of World Water Week.	Stockholm International water Institute, Stockholm	August 20-26, 2006
15.	Third International Seminar and Exhibition on Exploration Geophysics.	Association of Exploration Geophysics, Hyderabad.	November 6-12, 2006
16.	Second International Conference on Hydrology and Watershed Management.	Centre for Water Resources, JNTU, Hyderabad.	December 5-8, 2006
17.	American Geophysical Union Joint Assembly –2007	AGU, Acapulco, Mexico.	May 22-25, 2007
18.	2007 NGWA/U.S.EPA Fractured Rock Conference: State of the Science and Measuring Success in Remediation	Portland, Maine, USA	September 24-26, 2007
19.	Indo-French Seminar on Water	Ahmedabad	January 29-31, 2008
20.	International conference on groundwater	University of Rajasthan, Jaipur	March 25-28, 2008
21.	33 rd International Geological Congress	Oslo, Norway.	August 6-14, 2008.

22.	International Workshop and Brain Storming Session on Evaluation of Cloud Seeding Operations in Andhra Pradesh 2004-2008	JNT University, Hyderabad.	December 15-17, 2008.
23.	6 th Annual Meeting of Asia Oceania Geosciences Society (AOGS-2009)	Singapore	August 11-15, 2009.
24.	Joint International Convention of 8 th IAHS Scientific Assembly and 37 th IAH Congress	Hyderabad	September 6-12, 2009
25.	Third International Conference on Hydrology and Watershed Management.	Centre for Water Resources, JNTU, Hyderabad.	February 3-6, 2010
26.	7 th Annual Meeting of Asia Oceania Geosciences Society (AOGS-2010)	Hyderabad	July 5-9, 2010
27.	Attended World Water Week at Stockholm	Stockholm International water Institute, Stockholm	September 5-11, 2010.
28.	International Ground Water Conference (IGWC- 2012)	Aurangabad	Dec. 18–21, 2012
29.	Second Symposium on the Geological Resources in the Tethys Realm	Aswan, Egypt.	5-8 th January, 2013
30.	NGWA Groundwater Summit 2014	Denver, USA.	4-7 th May, 2014
31.	4 th International Conference on Hydrology and Watershed Management.	Centre for Water Resources, JNTU, Hyderabad.	29 th October to 1 st November, 2014
32.	42 nd IAH congress AQUA – 2015	International Association of Hydrogeologists, Rome, Italy	Sept. 13-18, 2015
33.	IGWC-2015	SRM University and AGGS, Chennai	Feb. 11-13, 2016
34.	2016 International Conference on Water Resource and Environment (WRE 2016)	Wuhan Bosheng Xueshu Jiaoliu Co. Ltd., China	July 23-26, 2016
35.	Technical Training Programme on ‘Ground Penetrating Radar’	GSSI, USA	August 09-12, 2016
36.	7 th International Ground Water Conference (IGWC) - 2017	NIH, New Delhi	Dec. 11-13, 2017
37.	1 st Conference of the Arabian Journal of Geosciences (CAJG)- 2018	Hammamet, Tunisia	Nov. 12-15, 2018
38.	3 rd World water Summit 2019	New Delhi	Aug. 21-23, 2019
39.	IGWC -2019	Roorkee	Oct. 21-24, 2019
40.	1st Indian Near Surface Geophysics Conference & Exhibition	New Delhi	Nov. 28-29, 2019

Consultancy Projects Executed

1. Hydrology of Kajipally Cheruvu Sponsored by APPCB through Centre for Environment, IST, JNTU in the year 1998.
2. Hydrology of Gandigudem Lake Sponsored by APPCB through Centre for Environment, IST, JNTU in the year 1999.
3. EIA of Surface and Groundwater Quality on Downstream side of MUSI River Sponsored by Patan Cheru Effluent Treatment Plant in the year 2000.

4. Ground Water Exploration for individual farmers in Shamsabad in Rangareddy District, A.P in the year 2001.
5. Estimation of Hydraulic conductivity in Lime Stone mine near Damacherla, Nalagonda District, A.P. for Deccan Chromates in the year 2002
6. Identification of Ground water flow direction at Jiaguda, Hyderabad in the year 2003.
7. Geophysical investigations for studying suitability of site for health resorts, GVK estates Gandipet, Hyderabad in the year 2004.
8. Seismic investigations for studying suitability of site for desalination plant at Ennore, Chennai for IVRCL Infrastructures and Projects Limited in the year 2005.
9. Seismic investigations for basement studies to construct the second phase of NTPC thermal power plant at Parawada, Visakhapatnam in the year 2007.
10. Hydrologic design of storm generating at TCS campus, Hyderabad. The work given by Eddifice Architects Pvt. Ltd. Mumbai in the year 2008.
11. Identification of well points using Resistivity Imaging near police academy, Hyderabad, the work given by Jain Constructions Pvt.Ltd 2009.
12. Identification of well points using Resistivity Imaging in Nizamabad District, for farmers 2010.
13. Ground Water Investigations at Thummalapalli Uranium Mining site 2011.
14. Identification of Water well points using Resistivity Imaging in the field of Himabindu, Nizamabad District.
15. Identification of Recharge Structures at Thummalapalli Uranium Mining site 2012.
16. Identification of Water well points using Resistivity Imaging in the formers land near ballari 2013.
17. Identification of Water well points using Resistivity Imaging in the BHEL Township, 2013.
18. Identification of Water well points using Resistivity Imaging in the Shilparamam campus, Hitech City, Hyderabad. 2014.
19. Identification of water well points using Resistivity Imaging at Vemula village, Jadcherla Mandal, Mahabubnagar district in 2016.
20. Identification of water well points using Resistivity Imaging at Aziz nagar, Near APPA junction, Hyderabad in 2016.
21. Identification of various shallow layers in Alladurgh, Medak District in 2016 using Ground Penetrating Radar
22. Identification of cavities along sewer pipelines of HMWS&SB from clock tower to avula manda street via Patney junction May-2017 Using Ground Penetrating Radar.
23. Identification of Cavities along Sewer Pipelines of HMWS&SB in East Maredpalli, Secunderabad using Ground Penetrating Radar in 2017.
24. Identification of Leakage of water supply pipe line of HMWS&SB from Nagarjuna Sagar to Hyderabad city near Turkemanjal in 2017.
25. Identification of buried manholes along Sewer Pipelines of HMWS&SB in Ranigunj, Secunderabad using Ground Penetrating Radar in 2017.

26. Identification of pipe lines in the Kazipally industrial Area under the NGRI research project using Ground Penetrating Radar in 2018.
27. Identification of civil utilities using ground penetrating radar near at bridge site in Amberpet, Hyderabad.
28. Identification of pipelines near suncity at Rajendranagar using GPR (21-09-2018)
29. Identification of Water well points using Resistivity Imaging at RR district 2019
30. Identification of water well site at Appareddypally, Rangareddy district using Resistivity Imaging Survey March 2020

List of National & International Projects Executed

S.No.	Title of the Project	Year	Funding Organization	Amount in Lakhs of Rs.
1.	Status, Achievement and Future programme of Water Resources (An approval Report of the Centre of Water Resources submitted twice)	1989 to 1992	Ministry of Human Resource Development	6.0
2.	- Do –	- Do –	- Do –	3.0
3.	Developing Hydrological Excellence (Under Removal of Obsolescence & Modernisation)	1993 to 1995	-do-	7.5
4.	Creation of Infrastructure Facilities for Advanced Technological Research Base in Integrated Management of Water Resources in Representative Hardrock Regions of Peninsular India	1993 to 1995	-do-	10.5
5.	Integrated Investigations for control of Reservoir Sedimentation through Remote Sensing and Conventional Techniques.	1995 to 1999	All India Council for Technical Education	6.0
6.	Artificial Recharge sites Identification of a Typical Semi – Arid Region of progressively Lowering Groundwater Levels	2002 to 2005	All India Council for Technical Education	7.0

7.	Technical Education Quality Improvement Programme (TEQIP)	2004 to 2008	Govt. of Andhra Pradesh (Sponsored by World Bank)	50
8.	Evaluation of Recharge from Reservoirs using Stable Isotopes in the Catchment Area of River Musi, Hyderabad, India.	2004 to 2009	DST	5.95
9.	Water Allocation in the Krishna Basin to Improve Water Productivity in Agriculture	2004 to 2011	IWMI	15.0
10.	Remote Sensing data based soil conservation studies to control sedimentation in Sriramsagar Reservoir	2005 to 2011	Ministry of Water resources	15.24
11.	Andhra Pradesh Cloud seeding programme “Indira Meghamadhanamu-2008”	2008 to 2009	Govt. of Andhra Pradesh	47.83
12.	Andhra Pradesh Cloud seeding programme “Indira Meghamadhanamu -2009”	2009 to 2010	Govt. of Andhra Pradesh	68.85
13.	Application of Multi geophysical techniques to delineate ground water potential zones and artificial recharge sites	2009 to 2012	AICTE	6.9
14.	UGC Innovative programme for the M.Sc (satellite meteorology & weather informatics)	2012 to 2017	UGC	53.3
15.	Application of Resistivity Imaging for the delineation of kaolinised zones to contain water well failures in the khondalitic terrain	2013 to 2016	DST	19.93
16	Application of Deep 3D Resistivity Imaging at pairs of success and failed wells to characterize the aquifers in granitic and basaltic terrain	2016-17	TEQIP-II	4.8
17	Technical Quality Improvement Programme-III	2017-20	MHRD, Govt. of India	750
18	Ground water modeling of subledu basin	2018-20	TEQIP- III	2.0

List of Ph.D. Theses Completed

S.No	Name	Title of the Thesis	Year of Registration	Year of Completion
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1	M.V. Padmanabhan	Evaluation of role of In – Situ Soil and Water Conservation Practices through Epic Simulation Model	1997	2003
2	C.R. Thyagaraju	Interactive Influence of tillage time, method and rainfall on soil moisture Retention with Relevant Expert System	1997	2005
3	A.T. Jaya Seelan	Development of Real time Drought Management Strategies Through Remote Sensing at District Level	1992	2005
4	N.Srinivasa Rao	Hydrogeochemical Investigations and Solute Transport Modeling of a Polluted Coastal Aquifer Near Nellore India	2002	2009
5	C.Sarala	Studies on Changes in Rainfall Runoff Relation ship due to changes in land use – A regional case study on Krishna Basin	2002	2009
6	V.Varalakshmi	Catchment Hydrology and Ground water modeling of the Osmansagar and Himayathsagar Reservoirs.	2006	2010
7.	S. Ravindra Babu	Variations of Tropical Tropopause at Different Temporal and Spatial Scales over Indian Region	2011	2016
8.	Sallauddin Mohammed	Comparative study of long period atmospheric waves over Hyderabad and Gadanki	2010	2016
9.	Lakshminarayana	Hydrological Modelling and Flood Prognostics of Yerrakalava River Basin, India	2010	2017
10.	P. Vinay Kumar	Role of Gravity Waves and Tides in Tropical Lower Atmosphere Over the Indian Peninsula	2011	2018
11.	Y. Siva Prasad	Geohydrological and groundwater Modelling Studies of Khondalitic Aquifer	2012	2018
12	P. Sirisha	Operational wave modeling and its applications for Indian Seas	2012	2019

List of M. Tech Theses Guided

S.No	Name	Title of the Thesis	Year of Registration	Year of Completion
1	R.Venkatapathi Raju	Comparative Studies of Seepage Losses in Nagarjunasagar Left Canal	1990	1992
2	Y. Yadaiah	Assessment of Ground Water Contamination Levels and Prognostics of Pollutant Dispersion by Finite Element Method in Saroornagar Micro Basin.	-do -	1992
3	N. Suresh	Correlation of Hydrogeological and Geoelectrical Characteristics of an Hard Rock Aquifer	-do -	1992
4	Ch.Chandra Mohan	Delineation of Ground Water Potential Zones in Various Geomorphic Units of Khandivalasa River Sub-Basin through Remote Sensing Techniques	1991	1993

5	A. Subba Rao	Exploration of Ground Water by using Electromagnetic (Very Low Frequency) Techniques	-do -	1993
6	A. Srinivasa Rao	Aquifer Modeling Based on Finite Difference Method-Kanchanpally Watershed (A.P.)	1992	1995
7	B.Sudhakara Babu	Hydrogeochemical and Geoelectrical Investigations for Ground Water Pollution Studies.	-do -	1995
8	Asra Asmeen	Assessment of Groundwater Quality in some Industrial belts around Hyderabad.	-do -	1995
9	L.Prabhakara Reddy	Morphometric Analysis of Representative Hard Rock Regions of Peninsular India.	1993	1995
10	D. Ramesh	Ground Water Investigations by using Very Low Frequency Electromagnetic Method	-do -	1995
11	C. Rajesh Babu	Identification of Soil Conservation sites in Sidda River Micro Watershed through Remote Sensing and Conventional Techniques	1994	1996
12	Ameera Zaben	Application of Remote Sensing and Conventional Techniques for the Evaluation of sediment yield and Treatment programme of Sudda Vagu Watershed.	-do -	1996
13	N. Srinivasa Rao	Analysis of Rainfall and Inflows in the Catchment Areas of Osmansagar and Himayatsagar Reservoirs	1993	1997
14	Y. Sashi Kumar	Soil Conservation Measures in Parts of Sriramsagar Catchment area Through Remote Sensing & Conventional techniques	1994	1997
15	M. Ratna Kumar	Examination of Drinking Water consumed by the Public in the Twin Cities of Hyderabad and Secunderabad	1995	1997
16	Sara Naaz	Application of Geographic Information System for the identification of soil conservation sites in the Suddavagu Watershed	-do -	1997
17	P. Kareem Khan	Development of Software Package for Evaluation of Ground Water Potential in Hard Rock Areas.	-do -	1998
18	T.A. Prasad	A Methodology for Identification of Ground Water Potential Zones In a Typical Basaltic Terrain	-do -	1998
19	P. Parvathi	Hydrogeophysical and Hydrogeochemical Investigations in Mallavaram Basin.	1996	1998
20	K. Radhika	Ground Water Flow Model of Mallavaram Basin, East Godavari Dist.A.P. using Finite Difference Method.	-do -	1998
21	K.Venkateswarlu (Part time)	Water Hammer Analysis for design of pumping Main in the rural water supply scheme	-do -	1998
22	K. Ravi Sekhar	Evaluation of Sediment Yield by using Remote sensing & GIS – A case Study of Phulangvaga Watershed	-do -	1999
23	Ch. Jyothi Ram Prasad	Identification of Soil Conservation Sites in Sidda River Macro Watershed using Geographic Information System	-do -	1999
24	S. Ashok Kumar	Delineation of Low Flouride Zones in the parts of Nalgonda District Using Geographic Information	1998	2000

		System		
25	B. Narasimhulu	Study on the effect of cover measures for Soil and Water Conservation using Hydraulic Tilting Flume	1998	2000
26	R. Bhavani	Groundwater Variability in Anantapur District (A.P)	1999	2001
27	Ch. Prem Chand	Hydrogeophysical Investigations in Parts of Musi Catchment to Define Groundwater Pollution Potential	-do -	2001
28	K.Srinivasa Reddy	Geoelectrical Investigations for Groundwater Potential zones in Ramoji Film City	1998	2001
29	Ch.Venkateswara Rao	Groundwater Flow Model of Maheshwaram Watershed, R.R. District, Andhra Pradesh	1999	2001
30	Barkat Ali Khan	Groundwater Flow Modeling of Vattigudipadu Watershed, Krishna District, Andhra Pradesh	1998	2001
31	G. Raj Kumar	Analysis of Rainfall and Estimation of Runoff Using SCS-CN Method and GIS Techniques in the Shashlervagu Watershed, Nalgonda Dist.	1999	2001
32	Md. Anwar	Evaluation of Groundwater Pollution Potential of Musi River Basin using DRASTIC Index Model	-do -	2002
33	B.Venkateswarlu(Part time)	Rainfall Runoff relation of Maneru basin	-do -	2003
34	Ravi Kumar	Preparation of Action Plan for Land and Water Resources of Shamshabad Watershed Using Remote Sensing and GIS	1997	2003
35	B.P. Venkateswarlu	Preparation of Action Plan for Land and Water Resources of Watershed Using Remote Sensing and GIS	2000	2003
36	Qumer Sultana	Development of Stochastic Model for the forecasting of Reservoir inflows and integrated optimal reservoir operation	2001	2003
37	PVRS Surendra (Part time)	Conservation and Restoration of the lake Meralam Tank, Hyderabad	1999	2003
38	S. Vijaya Kumar	Development of GIUH and Estimation of Runoff for Halia Basin using GIS	2001	2004
39	S. Kavitha	Hydrogeochemical Studies of Shamshabad Watershed for Irrigation Water Quality Assessment	2002	2004
40	B. Uma Shankar	Evaluation of Groundwater Potential Zones in Hard Rock Areas Using Surface Electrical Methods – A Case Study	2002	2005
41	K.V.N. Rajani	Remote Sensing and GIS Based Study For Sustainable Management of Kurmapalli Watershed, Nalgonda District, A.P.	2003	2005
42	G.Naga Praveena	Hydrogeochemical Investigations of Musi River Basin	-do -	2005
43	D. Praveena	Variation of Hydrometeorological Parameters In and Around Krishna Basin in Andhra Pradesh	-do -	2005
44	T. Vijaya Sarada	Analysis of Groundwater Levels in the Upper Musi Catchment	-do -	2005

45	K.Veena	Impact assessment of check dams on ground water level and ground water quality in Namakkal District, Tamilnadu	2006	2009
46	K.Praneeth	Development of hollow fiber membranes for treatment of surface water	2007	2009
47.	Ch. Kavitha	“Investigation of Heavy Metal Contamination and Assessment of Ground Water Quality in Nacharam Industrial Area, Hyderabad, India”	2007	2009
48.	Y.Siva Prasad	Resistivity 2D Imaging in Granites and Basalts of Andhra Pradesh	2007	2010
49.	Nagabhushanam	Comparison of Moisture measurements between alluvial and alfisols	2007	2010
50	M.Tejaswi	Steady state ground water flow modeling for the catchments of Osmansagar and Himayathsagar Reservoirs.	2008	2010
51	M.Chamundeswari	Rainfall-runoff relationships for the area between Nagargunasagar and Srisailam dams of lower Krishna basin		2011
52	P. Pushpalatha	Evaluation of Aquifer Geometry and Ground Water Quality Analysis of Dharmasagar Sub-basin, Warangal District, Andhra Pradesh, India	2009	2011
53	Ch. Padmalatha	Assessment of drinking water quality supplied by rural water supply (RWS) department in the polluted areas of Patancheru.	2010	2011
54	A.Mallesham	Effluent treatment in Multiple effect evaporator system in smilax laboratories Jeedimetla, Hyderabad, India	2009	2013
55	B.N. Satish Babu	Design of Sewage treatment plant of 20 mld for Hindupur Municipal Corporation.	2010	2013
56	Y. Naveen Kumar	Remote sensing and GIS based approach for the study of environmental parameters affecting ocean productivity – a case study of Maharashtra.	2010	2013
57	C. Bhavya Kavitha	Evaluation study of Global Soil Moisture Products Derived from Space Borne Microwave Radiometer	2011	2014
58	A. Adilakshmi	Assessment of Groundwater Quality in Deshmukhi Village, Nalgonda District, Telangana	2012	2015
59.	S. Sagar	Resistivity 2D Imaging in a Typical Khondalitic Terrain of Vizianagaram District, Andhra Pradesh.	2012	2015
60.	K. Chiranjeevi	Groundwater Quality Studies in the Khondalitic Terrain, Vizianagaram District, Andhra Pradesh.	2012	2015
61.	M. Sri Vidya	Comprehensive Protected Water Supply Scheme to 20 Habitations in Samarlakota Mandal of East Godavari District	2006	2016
62	S. Swapna	Microbial Analysis of Purified Water Quality in Hyderabad	2013	2016
63	U. Swetha	Water Well logging in the Hard rock terrain - A case study in the JNTUH campus	2014	2017

64	P.Praveen Chary	Ground Penetrating Radar Investigations in Kazipally Industrial Area	2016	2018
65	S.Niranjan	Determination of Thicknesses of Subsurface Layers by using Shallow Seismic unit	2016	2018
66	P. Srivathsav	Assessment of Physico-Chemical characteristics of Ameenpur Lake	2016	2019
67	M. Sevu	Determination of Dielectric Constants of Different Materials By using GPR with 400 MHz	2016	2019
68	D. Vasantha Kumari	Analysis of Physico-Chemical characteristics of Bandhankunta lake water for restoring as a Biodiversity Heritage Site	2016	2019

List of M. Sc Theses Guided

S.No	Name	Title of the Thesis	Year of Registrati on	Year of Completion
01	D. Sowmya	“Purification of water used for injections in Pharmaceutiel operations. A case study of Biological E. Ltd located at Shameerpet Rangareddy District. A.P.”	2011	2011
02	Ch. Tejswi	“Assessment of working status of common effluent treatment plant, patancheru”.	2011	2011
03	L. Harikrishna	“Estimation of Runoff at Rallapadu and Mopadu catchment Areas using Soil Conservation service curve number method in Prakasham and Nellore districts, Andhra Pradesh”.	2011	2011
04	B. Sujeevan Reddy	“Studies on performance evaluation of sedimentation tanks of HMWS & SB at Asif Nagar Water Treatment Plant”.	2011	2011
05	P. Sowmya	“Sewage Treatment Process at Buddha Poornima Project and Sample Analysis”.	2011	2011
06	R. Vanaja	“Remotesensing and GIS based Morphometric Analysis of Watersheds in upland area of west Godavari district, Andhra Pradesh, India.	2011	2011
07	Bindhu	“Remotesensing based in the Soil conservation studies - - watershed in Karnataka”.	2011	2011
08	S. Abdul Imran Khan	Aerobic degradation of Pharmaceutical waste water by using activated sludge process.	2013	2013
09	S. Sailaja	Integrated Action plan development for sustainable land and water resource management in dommaleru watershed using Remote Sensing and GIS	2013	2013
11	K.V.R.N. Sri Divya	Use of Low Quality Water for Irrigation Treatments and Quality	2013	2013
10	M. Neelima	Rainfall variation in Yerrakalava River basin of west Godavari District, Andhra Pradesh.	2013	2014
12	Sd. Shoyab Ahmed	Rainfall and Inflow Analysis of Yerrakalava Reservoir Catchment, West Godavari, Andhra Pradesh, India	2013	2014

13	Bindu	Assesment Drinking Water Quality of Osman Sagar	2013	2014
14	A. Satish	Soil Resource Inventory of Bio Diversity Park at Rajendranagar, Hyderabad	2013	2015

Research Publications

Refereed journals : 47
International Conferences : 72
National conferences : 55

Referred Journals:

1. Venkateswara Rao, B. and Briz Kishore B.H., 1991. "A Methodology for Locating Potential Aquifer in a Typical Semi-Arid Region of India Using Resistivity and Hydrogeological Parameters", Journal of Geo-Exploration, Vol.27, Nos. ½, pp. 55-64.
2. Venkateswara Rao, B. and Yadiah, Y., 1996. "Ground Water Pollution in parts of Hyderabad city, India", Hydrology Journal, Vol. XIX, No.3, pp. 31-44.
3. Venkateswara Rao, B., 1996. "Artificial Recharge of Rainfall Water for City Water Supply a Case Study", Hydrology journal, Vol.XIX, No. 4, pp. 35-48.
4. Venkateswara Rao, B., 1996. "Sustainability Measures for Water Resources in the Context of Indian Village System", Journal of Indian Water Resources Society, Vol.8, (4) No.2 , pp. 42-44.
5. Venkateswara Rao, B., 1998. "Hydromorphogeological Investigations in a typical Khondalitic Terrain using Remote Sensing Data", Photonirvachak Journal of the Indian Society of Remote Sensing, Vol.26 No. 1&2, pp. 77-93.
6. Ramesh, G.V.N. and Venkateswara Rao, B., 1998. "The very Low Frequency Electromagnetic Method (VLF-EM) in Ground Water Exploration", Journal of Applied Hydrology, Vol.XI, Nos. 2 & 3, pp. 47 – 56.
7. Venkateswara Rao, B., 1998. "Geoelectrical Characteristics of a Typical Khondalitic Aquifer", Bhujal News, A Journal of CGWB, Govt. of India, Vol 13, No 3&4, pp. 21-30.
8. Srinivas, A., Venkateswara Rao, B. and Gurunatha Rao, V.V.S., 1999. "Recharge Process and Aquifer Models of a small Watershed", Hydrological Sciences Journal, 44(5), pp. 681-692.
9. Sekhar, K.R., Venkateswara Rao, B., 2002. "Evaluation of Sediment yield by Using remote sensing and GIS: a case study from the Phulang Vagu Watershed, Nizamabad District (AP), India", Int.Journal of Remote Sensing, Vol.23, No.20, pp. 4499-4509.
10. Venkateswara Rao, B., 2002. "Geoelectrical Data Based Statistical Modelling for Yield of Bore Wells in Typical Khondalitic terrain", Journal of Applied Hydrology, Vol. XV, pp. 1-8.
11. Narsimlu, B., Venkateswara Rao, B., Mishra, P.K. and Rao, K.V., 2004. "Effect of Covers for Soil and Water Conservation using a Tilting Flume", Journal of Irrigation and Drainage Engineering of American Society of Civil Engineers, Vol.130, No.2, pp. 154-159.

12. Venkateswara Rao, B., Varalakshmi, V., Rajesh Nune., Pavan Kumar K. and Satyanarayana, B. 2007. "Estimation of Ground Water Recharge for the Upper Musi basin using Water Table Fluctuation Method by GIS Applications" *Journal of Applied Hydrology*, Vol. XXI. No. 3 & 4, pp. 91-105.
13. Venkateswara Rao. B., Varalakshmi, V. and Vijaya sarada, S.T., 2009. "Ground Water Recharge in Hard Rock Areas of Musi Basin" *Journal of Applied Hydrology*, Vol.No. XXII, No.1, pp.102-117.
14. Venkateswara Rao. B., 2009. "An Improved Methodology for Identification of Ground Water Potential Zones in A Typical Khondalitic Terrain" *Journal of geophysics*, Vol. XXX, No. 1-4, pp. 73-81.
15. Venkateswara Rao, B., Rajesh Nune. and Varalakshmi, V., 2009. "Analysis Of Returnflows From Canal Command Area between Nagarjunasagar Reservoir And Prakasam Barrage" *Journal of Applied Hydrology*, Vol. No. 22. No.2, pp.12-23.
16. Venkateswara Rao, B., Varalakshmi, V. and Srinivasa Rao, N., 2010. "Effect of Urbanization on Inflows to the Reservoirs of Himayatsagar and Osmansagar, Hyderabad- India", *International Journal of Water Resources and Environmental Management (IJWREM)*, Vol.1, No.1, pp. 67-80.
17. Purnima Mishra., Venkateswara Rao, B. and Ravi Babu, R., 2010. "Assessing the Scope of Rain Water Harvesting in Vertisols for Sustainable Agriculture and Livelihood Security of Traibal Farmers – A case Study", *Journal of Water and Soil Conservation*, Vol. 9, No.2, pp. 98 – 108.
18. Venkaeswara Rao, B., Rajesh Nune., Rajesh, M.V.S.S. and Vijayasarada, S.T, 2011. "Large Scale Ground Water Withdrawal and its Consequences on the Closing of the Upper Musi Basin – India", *Int. J. Water*, Vol. 6, Nos. 1/2, pp.15–28.
19. Venkateswara Rao, B., Srinivasa Reddy, K. and Ravi Babu, P., 2011. "Sediment Yeild Investigations for controlling Sedimentation in the Catchment of the Sri Ram Sagar Reservoir, India" *Procs. of the IAHS work shop on Sediment Problems and Sediment Management in Asian River Basins*, IAHS Publication, 349, pp.141-147.
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