

Bio data of :

Dr. THATIPARTHI VIJAYA LAKSHMI,

MSc.Tech, Ph.D.

Assistant Professor of Environmental Science and Technology (Senior scale)

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ACADEMICQUALIFICATIONS

Ph.D(Env.Sci.&Tech.) :

Topic entitled “Environmental Impact Studies on Patancheru and Bollaram Industrial Area, Andhra Pradesh, using Remote Sensing, GIS and Ground truth studies”, from Jawaharlal Nehru Technological University, Hyderabad., India, 2004. **Research study focused on comprehensive EIA of the study area.** (i) Temporal mapping of Land Use/ Land Cover change detection using Remote sensing and GIS. (ii) Impacts on environmental segments like water, air, soil and socio-economic status due to industrialization. (iii) Spatial distribution patterns of water quality (1970- 2000), air quality maps were generated using GIS analysis (iv) Socio economic and health survey in and around industrial development area has been carried out. Management plans for the restoration of environmental quality of the study area were suggested for implementation.

M.Sc (Tech) : Environmental Chemistry, First Division from Jawaharlal Nehru Technological University, Hyderabad., India (1992-1995).

Dissertation work: Performance Evaluation of Common Effluent Treatment Plant at Bollaram, Medak Dt., (A.P) India

B.Sc : Microbiology, Zoology& Chemistry, First Division, Osmania University, Hyderabad., India. (1989-1992)

Field of Specialization

- ☐ Environmental Impact Assessment
- ☐ Geospatial Technologies for Environmental Management / Resource Management
- ☐ Environmental Education

Research Experience (16 years)

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| a) No. of papers published | : 16 |
| b) No. of M.Tech/M.Sc Projects Guided | : 52 |
| c) No. of M.Tech Projects under Guidance | : 05 |
| d) Ph.D's under guidance | : 06 |
| e) Ph.D Co-Supervisor | : 05 |
| f) Expert lectures delivered at National level | : 15 |

- g) Short courses/seminars/conferences attended : 15
- h) Short term training programs/national/
International conferences coordinated : 12
- i) International conferences attended : 03
- j) Member, Editorial Board. Proceedings of International Conference on Environmental Management-Five Volumes B.S. Publications
- k) Editor, Proceedings of 2nd International Conference on Environmental Management- Two Volumes B.S. Publications, ISBN978-81-7800-251-1
- l) Editor, Proceedings of 3rd International Conference on Environmental Management- Two Volumes B.S. Publications, ISBN: 978-93-86819-50-5

Training Programs

- * Participated in TWAS Science Diplomacy Workshop on Sustainable Water Management organized under TWAS Science Policy & Science Diplomacy Programme, Trieste, Italy.
- * 4 week training program on Microwave remote sensing for Environmental and Forestry Studies, at Department of Forestry and Environmental Resources, **NC State University, Raleigh, North Carolina, USA**, from 21st May to 21st June 2014, sponsored by TEQIP II, IST, JNTUH.
- * **58th UNEP/ UNESCO /BMU International Short Course on Environmental Management for Developing and Emerging Countries- Remote Sensing and Land use Change Management (14/11/12 to 14/12/12)**, at **CIPSEM, Dresden, Germany**. Only two participants from India, got selected to participate in this prestigious short course funded by UNEP/UNESCO out of total 21 participants from developing and emerging Countries.
- * One week training program on Pedagogy in Engg. Education from 2nd March to 7th March 2009 organized by Engineering staff college of India (ESCI).
- * 3 weeks Training program on DoKuplant and WINGIS software at M/S PROGISGmbH, **Villach, Austria, from 18th March to 29th March, 2009.**
- * 3 weeks International Course on Land Drainage, at Wageningen, Netherlands, under The Royal Netherlands Fellowship_(NuFFIC), June 6th –26th2009.
- * International Training Program:“GIS applications in Ecological studies & Ecosystem Modeling”, from **August 25th to Sep 25th 2008**, at School of Agricultural land Consumer Sciences, Tennessee State University, Nashville, USA

Projects Executed:

Duration: i) November 1995- May 1996

Organization: Andhra Pradesh Academy of Rural Development (APARD), Andhra Pradesh,

Role: Assessment of cyclone severity and cyclone shelters in the coastal districts of Andhra Pradesh

Involves thorough assessments of cyclone and its impact on structural strength of cyclone shelters.

ii) August 1996-June 1997: Project Assistant in Government of India sponsored project entitled “Briquetting of Agricultural Biomass”

iii) July 1997-september 1999: Project Assistant, in Andhra Pradesh Pollution Control Board, Government of Andhra Pradesh sponsored project entitled “Lake Remediation studies of NakkaVagu Catchment”.

iv) October 1999- February 2001: Junior Research Fellow/Senior Research Fellow in project entitled” “Environmental Impact Studies on Patancheru and Bollaram Industrial Area, Andhra Pradesh, using Remote Sensing, GIS and Ground truth studies” from Jawaharlal Nehru Technological University, Hyderabad., India, 2004.

Research study focused on comprehensive EIA of the study area. (i) Temporal mapping of Land Use/ Land Cover change detection using Remote sensing and GIS. (ii) Impacts on environmental segments like water, air, soil and socio-economic status due to industrialization. (iii) Spatial distribution patterns of water quality (1970- 2000), air quality maps were generated using GIS analysis (iv) Socio economic and health survey in and around industrial development area has been carried out. Management plans for the restoration of environmental quality of the study area were suggested for implementation.

v) **February 2001 to November 2006:** Lecturer (Adhoc) in Centre for Environment, Institute of Science & Technology. Hyderabad

Role: Teaching theory and practical course work at Master’s level. Theory Courses taught are:

- M.Tech (Environmental Management)(Fulltime/Part time course) ,
 - Remote Sensing and Geographic Information System for Environmental Management
 - RS and GIS for Natural Resource Management and Disaster Management
- M.Tech (Environmental Geoinformatics)
 - Remote Sensing and Image Interpretation
 - Geographic Information System
 - Environmental Impact Assessment
- M.Sc (Environmental Science and Technology)
 - Ecology and Environment
 - Water & Waste Water Treatment Technologies
 - Remote Sensing and GIS
 - GIS for Environmental Modeling
- Laboratory Course includes training the students of Post Graduate courses in Image Processing and GIS Softwares.
Software Expertise
- Remote Sensing : ERDAS, GEOMATICA,

- GIS: Arc/Info, Arc View.ARC. GIS, Spans,

vi) **November 2006 - November 2010** - Assistant Professor, in Centre for Environment, Institute of Science & Technology. Hyderabad.

vii) **November 2010 - November 2014** - Senior Scale Assistant Professor, in Centre for Environment, Institute of Science & Technology. Hyderabad.

Co-Investigator, “Baseline survey on air, water, soil, radio activity and aquatic biota in And around the proposed Uranium, mining site at Lambapur /Pedagattu/Sheripalle”. Sponsored by Dept.of Atomic Energy, Govt. of India, sanctioned amount Rs 63,41,000/-(2010-2012) .

Co- Investigator, “Optical Investigations of the Upper Atmospheric Dynamics”

Collaborative Research Program with Physics Research Laboratory, Ahmedabad (2010-2015).

viii) **November 2014- Till date** - Senior Scale Assistant Professor, in Centre for Environment, Institute of Science & Technology. Hyderabad.

ix) **March 2015- 2019**: “Development of the framework for networking Programme on “Village Information System (VIS)” under NRDMS”, Department of Science and Technology, Govt. of India.

Project aims for the development of Villages by studying the prevailing conditions in the village and provide decision support system through the available state and central government schemes

Objectives

1. Identify and design a spatial data model.
2. Assessment, collection and collation of available data and supplement data gaps vis-à-vis developmental activities.
3. Validation of data model.
4. Development of an integrated information system using geospatial technologies.
5. Development of decision support information modules to empower planners and citizens.

Consultancy Works

- Working group member of number of research projects sponsored by state and central government and completed 5 consultancy projects in various applications of remote sensing and GIS in environmental management and planning, environmental impact assessment.
- Rapid Environmental Impact Assessment On Commissioning Of 18Km Pipe Line and Discharge Of Treated Effluents From M/S Pattancheru Enviro Tech Limited (PETL)To Sewage Treatment Plant at Amberpet for CETP.
- Rapid Environmental Impact Assessment of Hyderabad Knowledge City, for AP.I.I.C.

Administrative works

- Coordinator, TEQIP III (Technical Education Quality Improvement Program, funded by World Bank)
- Chairperson, BoS, Environmental Science and Technology

- SEAC Member, Government of Telangana, MoEF & CC, GOI during 2016-2018
- Coordinator, TEQIP II (Technical Education Quality Improvement Program, funded by World Bank, INR 12.5 Cr / 0.125 billion)
- Student Coordinator, Student Activity Committee-IST, JNTUH
- NSS Program Officer and Placement coordinator, IST, JNTUH
- Placement Coordinator, IST, JNTUH
- Head , Center for Environment, IST, JNTUH during Nov 2014- Sep 2017

Technical Coordinator

- First International Conference on Environmental Management (ICEM 2005)

Others

- Editor, Proceedings of 2nd International Conference on Environmental Management– 2010, Two Volumes, B.S.Publications, ISBN978-81-7800-251-1, 2010.
- Member, Editorial Board. Proceedings of International Conference on Environmental Management– Five Volumes, B.S.Publications, 2005.
- Course writer for M.Sc.(Environmental Science) Dr.B.R.Ambedkar Open University Hyderabad. **Topic:** RS & GIS: Sensors and Platforms.
- Adjudicator, Andhra University, GITAM University, Dr.B.R.Ambedkar Open University, Hyderabad, Thrithankar University, MP.
- Editor, Proceedings of 3rd International Conference on Environmental Management 2017, Two Volumes, B.S.Publications, no 978-93-86819-50-5, 2017.

Invited Lectures

- * Talk on Climate Security and Impact, at National Seminar on Climate Security organized by British Scholars Association, July, 2008
- * Invited lecture on Geospatial Technologies for Water Quality Mapping and Management, on March 3-5, 2010 at Indian Institute of Statistics, ISI, Kolkata.
- * Talks on Environmental Education, EIA, and Regulations at various affiliated Engineering Colleges, during 2011-2012
- * Keynote lecture on Geospatial Technologies for Environmental Management and Sustainable Development, on Jan., 31, 2013 at National conference on "Recent Trends in Emerging Infectious Diseases and Environmental Pollution" at Solapur, India.

Technical Visits Abroad as part of research publications/training programs:

- 🚩 Federal Republic of Germany (UNESCO fellowship, to participated in the International short course, on Remote Sensing for Watershed Management, Nov., 2012)
- 🚩 Malaysia (paper presentation, Mar., 2012)
- 🚩 The Royal Netherlands (June 2009) under NUFFIC fellowship to participate in the International short course on Land Drainage.
- 🚩 Austria (March 2009) under TEQIP program, to participate in the training program on DoKuplant, and WINGIS software.
- 🚩 United States of America (paper presentation & training program, 2001, 2003, & 2008)
- 🚩 Republic of Syria (paper presentation 2004)

List of Publications

- **“Development of Fully Automatic Road Network Extraction Algorithm from Satellite Images”**. Mohammed Abdul Moid, M.Abhilash, Murali Mohan and **T.VijayaLaskhmi**. Proceedings of National Symposium on Remote Sensing and GIS for Environment, organized by Indian Society of Geomatics and Indian Society of Remote Sensing, 4-6, Dec., 2013 at Visakhapatnam, India.
- **“Estimation of carbon stock and sequestration by forest using remote sensing &GIS: A case study of Narsapur forest, Medak district”**. S.Abhinai, M.Abhilash, Mohammed Abdul Moid, Murali Mohan and **T.VijayaLaskhmi**. **Proceedings of** National Symposium on Remote Sensing and GIS for Environment, organized by Indian Society of Geomatics and Indian Society of Remote Sensing, 4-6, Dec., 2013 at Visakhapatnam, India.
- **“Land use land cover change detection studies using remote sensing data: a case study of manjeera sub-basin, A.P, India”**. M.Abhilash, Mohammed Abdul Moid, S.Abhinai, Murali Mohan and **T.VijayaLaskhmi**. **Proceedings of** National Symposium on Remote Sensing and GIS for Environment, organized by Indian Society of Geomatics and Indian Society of Remote Sensing, 4-6, Dec., 2013 at Visakhapatnam, India.
- **“Effect of Paper Industry Effluents on Physico Chemical and Biological Properties of Soil”**. K. Venkateswar Reddy, **T. Vijayalakshmi**, ArchanaGiri, and A. Janaki Ganga Bhavani. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 8, August 2013, ISSN: 2319-8753.
- **“Changes in soil enzyme activities under the influence of paper and board mill effluents”**. K. VenkateswarReddy,**T. Vijayalakshmi**, A. Uma, L. saida , S. Tirosha. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 9, September 2013, ISSN: 2319-8753.
- **“Changes in soil enzyme activities under the influence of cotton ginning industry effluents”**.K. Venkateswarreddy, **T. Vijayalakshmi**, KodaparthiAshwithaand E. PrathibhaShalini. Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 15, No. (4) : 2013 : 673-678.
- **“Changes in soil enzyme activities under the influence of sugar industry effluents”**. K. Venkateswar Reddy, **T. Vijayalakshmi**, M. Hemalatha, Y. Dileep Kumar and M. Naga Raju. International Journal of Futuristic Science Engineering and Technology Vol 1 Issue 1 January 2013
- Land UseLand cover Change Detection of Ghatkesar Mandal, Ranga Reddy Dt., using Remote Sensing and GIS, Farid Khan, K.Santhosh, &**T.Vijaya Lakshmi**. International Journal of Scientific and Engineering Research (IJSER), Vol.3, No. 11, Nov., 2012. (ISSN 2229-5518)
- DevelopmentofSlumInformationSystemforPlanningandGovernanceofUrbanAreasUsing Geomatics,B.Shashimohan&**T.VijayaLakshmi**”.Proceedings of the 6thInternational Symposium on Advances in Science and Technology, hostedbyGeospatialAssociationofSouthEastAsia,24-25thMarch, 2012.
- Creating GIS based Asset Mapping and Consumer Indexing of Gudiyattam Town,

Tamilnadu., Mohammad moineuddin afroz & **T.VijayaLakshmi**”, Proceedings of the 6th International Symposium on Advances in Science and Technology, hosted by Geospatial Association of South East Asia, 24-25th March, 2012.

- Investigations on vertical coupling using multi-wave length day time optical emissions low-latitudes, Duggirala Pallamraju, FazlulI. Laskar, ***Thatiparthi Vijaya Lakshmi***, and Supriya Chakrabarti. **International Symposiumon Equatorial Aeronomy (ISEA), Paracas, Peru during March 12-17, 2012**
- First results on the characteristics of waves in the day time upper atmosphere at multiple altitudes obtained from Hyderabad, a low latitude station. FazlulI, Laskar, D.Pallamraju, **T.V.Lakshmi**, M.A.Reddy and R.Raghavarao. **Proceedings of the National Space Science Symposium NSSS-2012**, organized by S.V.University, Tirupati, during 14- 17 February 2012

Publications emerged Dr. TVL

Published papers in Reviewed journals:

1. Laskar, F. I., D. Pallamraju, B. Veenadhari, **T. Vijaya Lakshmi**, **M. Anji Reddy**, and S. Chakrabarti, Gravity waves in the thermosphere: Solar activity dependence, *Adv. Space Res.*, <http://dx.doi.org/10.1016/j.asr.2014.12.040>
2. Laskar, F. I., D. Pallamraju, **T. Vijaya Lakshmi**, **M. Anji Reddy**, B. M. Pathan, and S. Chakrabarti (2013), Investigations on vertical coupling of atmospheric regions using combined multiwavelength optical dayglow, magnetic, and radio measurements, *J. Geophys. Res. Space Physics*, 118, 4618-4627, doi:10.1002/jgra.50426.
3. Rashid, I., Romshoo, S. A., & Vijayalakshmi, T. (2013). Geospatialmodelling approach for identifying disturbance regimes and biodiversity rich areas in North Western Himalayas, India., *Biodiversity and conservation*, 22(11), 2537-2566.
4. Rashid, I., Romshoo, S. A., & Vijayalakshmi, T. (2010). Geoinformatics for Vegetation Characterization at Landscape Level: A Case Study of Rajouri and Poonch District in Kashmir Himalaya. *Proceeding of International Conference on Environmental Management*, pp: 54-60. BS Publications
5. Rashid, I., Romshoo, S.A., Chaturvedi, R.K., Ravindranath, N.H., Sukumar, R., Jayaraman, M., Vijayalakshmi, T., Sharma, J. (2015). Projected Climate Change Impacts on Vegetation Distribution over Kashmir Himalayas. *Climatic Change* (Under Review)
6. H.MAMATHA, N.K. SRINIVASA RAO, R.H. LAXMAN, T. VIJAYALAKSHMI (2014), Studies on effect of mild temperature increase on tomato (*Lycopersicon esculentum*) hybrid Arka Ananya. *Plant Archives, Int.J.of Plant Research*, “Studies on effect of mild temperature increase on tomato (*Lycopersicon esculentum*) hybrid Arka Ananya” by vol 14 No.2, 2014.

Scientific and conference papers in the years prior to 2016 - 2017:

7. Characterization of some efficient cellulase producing bacteria isolated from pulp and paper mill effluents contaminated soil collected from Rajahmundry, south India. K. Venkateswar reddy, **T. Vijaya lakshmi**, P. Ranjit & M. Nagaraju, Brazilian achieves of biology and technology. Vol 59, Jan-Dec-2016. P.No: 1-6
8. Isolation, screening, identification and optimized production of extracellular cellulase from *Bacillus subtilis sub sp* using Cellulosic waste as Carbon source. K.Venkateshwar Reddy, **T. Vijaya lakshmi**, A. Vamshi Krishna reddy, V. Hima bindu and M. Lakshmi narasu. International journal of current microbiology and applied Reasearch, Vol 5, issue no 4, 2016, P.No : 442-451
9. Impact of pulp and paper mill effluents on soil enzyme activities. K.Venkateshwar Reddy, **T. Vijayalakshmi**, A. Vamshi Krishna Reddy & M. Nagaraju. Journal of chemical and pharmaceutical research, vol 8, (5):445-449, 2016.
10. Spectral Characteristics of Moist Deciduous Forests in Uttarakhand, India: by using EO-1 Hyperion Hyperspectral Remote Sensed Data. G. Sai Venkat, **T. Vijaya Lakshmi**, and N. Srinivasa Rao. ISBN: 978-93-86819-50-5, 2017
11. An Analysis on Land Use/Land Cover using Remote Sensing and GIS – A Case Study in Poosalpad Village, Mahabubnagar District, Telangana. B. Raju, **T. Vijayalakshmi**, P. Ravindar, and J. Kiran. ISBN: 978-93-86819-50-5, 2017
12. Estimation of Carbon Percentage in above Ground Biomass of Oil Palm under Irrigated Conditions. M. Kiran Kumar, Rajasekhar Pinnamaneni, and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
13. Web based Emergency Information Technology for Security and Crisis Management Developed for Hyderabad Metro Rails in India. Rakesh Paul, Ishita Roy and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
14. Development of Integrated Watershed Management System using Remote Sensing and GIS Technologies - A Part of Mahaboobnagar District, Telangana. Vamshi Krishna Reddy, E. Shashidhar, **T. Vijaya Lakshmi** and M. Anji Reddy. ISBN: 978-93-86819-50-5, 2017
15. Spatio-Temporal Assessment of Landuse Landcover Changes using Geomatics - A Case Study of Part of Hasanparthy Mandal, Waranagal Urban District, Telangana, India. M. Abhilash, M. Abdul Moid, K. Santhosh and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
16. RS & GIS Based Morphometric Characterization of Mini Watershed Torrur, of Mahbubabad District Telangana. Md Abdul Moid, M. Abhilash, K. Santhosh and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
17. Soil and Water Resource Management at Village Level by using Remote Sensing and GIS: A Case Study of Medak District, Telangana. V. RajKumar, K. Santosh Kumar and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
18. Development of Web Based GIS Solution using Opensource GIS Tools. K. Ashwini, S. Swarajya Lakshmi and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
19. Marine Mock Drills to Combat Oil Spills – Aid to Coastal Zone Management. Prasad S.J, Balakrishnan Nair T.M, Francis P.A and **Vijayalakshmi T.** ISBN: 978-93-86819-50-5,

2017

20. Impact of Solid Waste on Ground Water Quality Near Batchupally Dump Yard, Hyderabad. K. Maruthi Rao, T. Jaya Babu, G. Shenkaraiah and **T. Vijaya Lakshmi**. ISBN: 978-93-86819-50-5, 2017
21. Influence on Hydraulic Retention Time on Efficient Treatment of Pharmaceutical Effluent using Up-Flow Anaerobic Sludge Blanket UASB Reactor. L.K. Mahalakshmi, P. Mamata Reddy and **T. Vijayalakshmi**. ISBN: 978-93-86819-50-5, 2017
22. A Study on Removal of COD, Conductivity TDS and Chloride from Textile Wastewater using TiO₂/UV System. Rahil Jain, Jayesh, L.K. Mahalakshmi and **T. Vijayalakshmi**. ISBN: 978-93-86819-50-5, 2017

Conference Papers in the year 2014:

23. Laskar, F.I., D. Pallamraju, **T. VijayaLakshmi, M. AnjiReddy**, and B. Veenadhari, Shorter period waves in the upper atmosphere: Solar activity dependence, PS2-20, 14th National Space Science Symposium, Dibrugarh University, Assam, 29 January – 01 February 2014.
24. Laskar, F. I., D. Pallamraju, **T. Vijaya Lakshmi, M. Anji Reddy**, and B.M. Pathan, Vertical coupling of whole atmosphere: Solar activity dependence, PS3-12, 14th National Space Science Symposium, Dibrugarh University, Assam, 29 January – 01 February 2014.
25. Pallamraju, D., D. K. Karan, F. I. Laskar, K. A. Phadke, **T. Vijaya Lakshmi, M. Anji Reddy**, Zonal behaviour of optical daytime airglow emission intensities from low latitudes, PS3-80, 14th National Space Science Symposium, Dibrugarh University, Assam, 29 January – 01 February 2014.
26. Pallamraju, D., D. K. Karan, F. I. Laskar, K. Phadke, **T. Vijaya Lakshmi, and M. Anji Reddy**, Wave dynamical coupling in the daytime as obtained from optical oxygen airglow emission intensities over low latitudes, C2.2-0052-14, 40th COSPAR Assembly, Moscow, Russia, 2 – 10 August, 2014.
27. Pallamraju, D, F. I. Laskar, R. P. Singh, D. K. Karan, K. Phadke, **T. Vijaya Lakshmi, and M. Anji Reddy**, Recent advancements in the understanding of coupling of atmospheres, 51st Annual Convention of Indian Geophysical Union, Kurukshetra, India 19 – 21 November 2014.

Scientific and conference papers in the years prior to 2012 - 2013:

28. Laskar, F. I., D. Pallamraju, **T. Vijaya Lakshmi, M. AnjiReddy**, and B. Veenadhari, Evidence of Neutral (Direct) and Electrodynamical (Indirect) Vertical Coupling of Atmospheres During Stratospheric Sudden Warming Events Using Multi-technique Observations, International CAWSES-II Symposium, Nagoya, Japan, 18 - 22 November 2013.
29. Pallamraju, D., F. I. Laskar, **T. Vijaya Lakshmi, M. Anji Reddy**, and S. Chakrabarti, Optical Investigations on the Wave Dynamics of the Low- and Equatorial-Latitude MLT Region, ST27-A016, Asia Oceania Geosciences Society Meeting, Brisbane, Australia 24 – 28 June 2013.

30. Laskar, F., D. Pallamraju, **T. Vijaya Lakshmi**, S. Chakrabarti, **M. Anji Reddy**, and B. M. Pathan, Planetary wave influence on the upper atmospheric dayglow emissions at multiple wavelengths: Signature of coupling of lower and upper atmospheres, Geophysical Research Abstracts, Vol. 15, EGU2013-419, 2013, EGU General Assembly 2013.
31. Laskar, F.I., D. Pallamraju, **T. Vijaya Lakshmi**, S. Chakrabarti, **M. Anji Reddy**, R. Raghavarao, and B. M. Pathan, Characterization of vertical and horizontal wave features in dayglow emissions as observed from a low-latitude station, Hyderabad,
32. INDIA, C1.1-0047-12, COSPAR Assembly, Mysore 2012, 14 - 21 July 2012
33. Pallamraju, D, F. I. Laskar, **T. Vijaya Lakshmi**, **M AnjiReddy**, and S. Chakrabarti, Investigations on vertical coupling using multi-wavelength daytime optical emissions from low-latitudes, Session S7: 13th International Symposium on Equatorial Aeronomy, Paracas, Peru 12 – 17 March 2012.
34. Laskar, F. I., D.Pallamraju, **T.V.Lakshmi**, **M.A.Reddy**,and R.Raghavarao, First results on the characteristics of waves in the daytime upper atmosphere at multiple altitudes obtained from Hyderabad, a low latitude station, National Space Science Symposium, Sri Venkateshwara University, Tirupati, 14 – 17 February 2012.
35. Land UseLand cover Change Detection of Ghatkesar Mandal, Ranga Reddy Dt., using Remote Sensing and GIS, Farid Khan, K.Santhosh, & **T.Vijaya Lakshmi**. International Journal of Scientific and Engineering Research (IJSER), Vol.3, No. 11, Nov., 2012. (ISSN 2229-5518)
36. Effect of Paper Industry Effluents on Physico Chemical and Biological Properties of Soil. K. Venkateswar Reddy, **T. Vijayalakshmi**, ArchanaGiri, and A. Janaki Ganga Bhavani. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 8, August 2013, ISSN: 2319-8753
37. Changes in soil enzyme activities under the influence of paper and board mill effluents". K. VenkateswarReddy,**T. Vijayalakshmi**, A. Uma, L. saida , S. Tirosha. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 9, September 2013, ISSN: 2319-8753

Workshops/Training Programs/Conferences Conducted/coordinated:

- Coordinator, 3 weeks summer training program on Geospatial Technologies and Applications, sponsored by NRDM, DST,GOI, 25th Aug., to 13 Sept, 2014.
- Coordinator, 3 weeks summer training program on Geospatial Technologies and Applications, sponsored by NRDM, DST,GOI, June 1^{8th} to July 07, 2012.
- Conference Secretary: 2nd International Conference on Environmental Management (ICEM-2010) from 25th to 28th October, 2010
- Conference Secretary, 3rd International Conference on Environmental Management 2017, Two Volumes, B.S.Publications, no 978-93-86819-50-5, 2017.
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Membership

- Life Member, Indian Society for Technical Education (ISTE), India.
- Life Member, Indian Science Congress Association (ISCA), India.
- Member, American Geophysical Union (AGU)
- Life Member, Indian Society of Geomatics (ISG), India