

INSTITUTE OF SCIENCE & TECHNOLOGY

(Autonomous)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad – 500 085, Telangana State (India)

ANNUAL REPORT 2014-2015

1. Name of the College/Dept/School/Centre	Institute of Science & Technology (Autonomous)
2. Address (with contact number/fax, and E-mail id)	Institute of Science & Technology (Autonomous) Jawaharlal Nehru Technological University Hyderabad Kukatpally, Hyderabad-500 085 Telangana, India Phone: +91-40-23516831 Fax: +91-40-231582
3. Year of Establishment	1989
4. Name of the Principal/Director (with qualification)	Prof. A Jayashree, M.Sc, Ph.D Director of IST
5. Brief history about the College/Dept.	<p>In 1989 Jawaharlal Nehru Technological University established a number of Centers for Excellence to form a strong academic nucleus. They started functioning from 1991 under the Institute of Science and Technology (IST). IST was located in the heart of the twin cities of Hyderabad & Secunderabad. Now being located in the Campus which is also the Head quarters of JNT University, IST enjoys certain facilities. As any Technological upgradation within J.N.T.U. starts with IST. The location of the campus provides an academic environment and promotes learning. Centre for Biotechnology Centre for Environment, Centre for Nano science and Technology, Centre for Pharmaceutical sciences, Centre for Spatial Information Technology, Centre for Water Resources are the constituent units of the institution. The basic thrust of these Centers is in the emerging areas of research and education in the fields of Engineering, Technology and Applied Sciences of interdisciplinary and multi-disciplinary character.</p> <p>Centres in IST :</p> <p>Centre for Biotechnology (CBT) Centre for Chemical Sciences & Technology (CCST) Centre for Environment (CEN) Centre for Nano Science and Technology (CNST) Centre for Pharmaceutical Sciences (CPS) Centre for Spatial Information Technology (CSIT) Centre for Water Resources (CWR)</p> <p>Research Centres: Centre for Alternative Energy Options(CAEO) Centre for Innovative Research (CIR)</p> <p>Essential Objectives of IST: To offer Post-Graduate and Research programmes leading to MTeCh, MSc. , M.Phil., MS and Ph.D., degrees in the latest technological thrust areas To promote field-oriented research activities in collaboration with industrial units.To provide refresher courses periodically to serving engineers, scientists in the government, semi-government and other organizations. To establish academic links with institutes of higher learning in India and abroadTo impart training programmes and offer consultancy services. The various units of IST have received several grants from MHRD, AICTE, UGC and DST towards Research & Development activities and for starting new courses in thrust areas</p>

6. Staff details			
Teaching Staff	Male	Female	Total
No. of Professors	7	5	12
No. of Teachers with Ph.D	12	12	24
No. of Associate Profs	3	2	5
No. of Assistant Profs	2	8	10
No. of Academic Assistants	19	12	31
No. of Guest Faculty members	3	0	3
No. of Lib/Lab/ Physical Education Staff	0	0	0
Total No. Teachers			
Non Teaching Staff			
Permanent (Cadre wise)	6	2	8
Assistant Registrar	0	1	1
Senior assistant	1	0	1
Technical assistant	2	1	3
Ronio operator	1	0	1
Office subordinate	3	0	3
Temporary (Cadre wise)			
System Engineer	0	1	1
Technical Assistant	5	3	8
Data Processing Officer	3	5	8
Junior Assistant	7	6	13
Lab Technician	6	2	8
Lift Operator	2	0	2
Driver cum Attender	1	0	1
Attender	14	7	21
Lab Attender	7	2	9

7. Total number of programs conducted by the College/University during the academic year 2014-15:

Workshops	Refresher Courses	Orientation Courses	Seminars	FDP	Conferences		Total
					National/International		
Centre for Biotechnology							
1	-	-	-	-	-	-	1
Centre for Chemical Sciences and Technology							
2	0	0	1	-	-	1	4
Centre for Nano science and Technology							
-	1	-	-	-	-	1	2
Centre for Environment							
2	1	-	-	-	1	1	5
Centre for Pharmaceutical Sciences							
-	5	-	-	-	1	-	6

Centre for Spatial Information Technology							
03	-	-	02 Expert lectures	-	-	01	06
Centre for water Resources.							
02	01	-	02 Expert lectures	-	02	01	06

7. Details of the Seminars/ Conferences / Workshops /Refresher Courses / Orientation Courses/ FDP conducted during the academic year 2014-15

Nature of programme conduct: conference/workshop etc..	Title of the Programme	Date of conduct	No. of participants	Sponsored body/institute
1. Centre for Biotechnology				
Workshop	National workshop on biofuels from waste	August 5 th 6 th 2014		TEQIP-II
2. Centre for Chemical Sciences and Technology				
workshop	stepping in To advanced flow reactors	25-26 Feb 2015	200	TEQIP-II
National Poster Symposium	Advances in Organic & Medicinal Chemistry (AOMC)	24 th December-2014		JNTUH & Royal Society of Chemistry
international conference	New Dimensions in Chemistry and Chemical Technology-Applications in Pharma Industry”	23 rd June 2014 – 25 th June 2014	300	TEQIP-II
3. Centre for Nano science and Technology				
International Conference	International Conference on Nano Science, Nano Engineering & Applications-ICONSEA	26-28 june,2014	250	JNTUH
Refresher course	Short term course on Bio-Nanotechnology	22-27 Sep,2014	50	JNTUH
4. Centre for Environment				
Workshop (Dr. Ch. Sasikala)	National workshop on “Recent Advances in Science &Technology	5 th March 2014, JNTUH	150	TEQIP-II
Workshop (Dr. Ch. Sasikala)	National level technical festival	13-14 th March,	150	Registration fee NGO

	on Environmental science & technology, Avani on 2014	2014, JNTUH		
Conference (Dr. V. Himabindu)	National conference on "Renewable and Sustainable Energy	27 th & 28 th , June 2014	200	TEQIP –II, IST and CEH
Conference (Dr. V. Himabindu)	International Conference on Environment and Energy (ICEE-2014)	15 th - 17 th , December-2014, JNTUH	600	TEQIP-II, DST and DRDO
Refresher Courses (Dr. T. Vijaya Lakshmi)	Capacity Building and Strengthening in G.S.T 3 Week Training Programme	25 th Aug-13 th Sep, JNTUH	50	NRDMS DST
5. Centre for Pharmaceutical Sciences				
-	-	-	-	-
6. Centre for Spatial Information Technology				
IV th International Conference	IV th International Conference on HYDROLOGY AND WATERSHED MANAGEMENT	29-10-2014 to 01-11-2014	200	TEQIP-II, JNTUH-IST
7. Centre for Water Resources				
National Conference (Dr.M.V.S.S.Giridhar)	Water, Environment and Society (NCWES-2014)	during 30 th June – 01st July 2014	200	JNTUH, TEQIP-II, IST, JNTUH, NABARD
National Workshop (Dr.M.V.S.S.Giridhar)	Action for River Water Quality Improvement.	13 th March 2015	150	TEQIP – II, IST
National Workshop (Dr.M.V.S.S.Giridhar)	World Water Day celebrations	22 nd March 2015	100	TEQIP – II, IST
Refresher course (Dr.M.V.S.S.Giridhar)	Soil & Water Assessment Tool (SWAT) modeling	During 06 th – 08 th July 2015	100	TEQIP – II, IST
National Conference (Dr.M.V.S.S.Giridhar)	Water, Environment and Society (NCWES-2015).	During 30 th – 31st July 2015	300	Sponsored by TEQIP – II, IST

International Conference	“Hydrology and Watershed Management” with a focal theme on Ecosystem Resilience – Rural and Urban Water Requirements during	29 th October – 1 st November, 2014.	200	JNTUH, TEQIP-II, IST, JNTUH
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9. Details of the Seminars/ Conferences / Workshops /Refresher Courses / Orientation Courses/ FDP's attended during the academic year 2013-14

Nature of programme attended: conference/workshop etc..	Title of the Programme	Date of conduct	Sponsored body/institute	Certificate availability
1. Centre for Biotechnology				
Conference	Indo-US conference on advanced lignocellulosic biofuels	10-11 th , Nov, 2014.	IICT, Hyderabad	yes
Conference	International conference on sustainability of digital libraries.	25 th -27 th September 2014	JNTUH, Hyderabad.	yes
Pedagogical Training	Module - I	25.11.2014 to 29.11.2014	NITTTR, Chandigarh	yes
Workshop	Internal quality assurance Mechanisms	28.10.2014 to 30.10.2014	IIT, Madras	yes
Refresher Course	UGC sponsored refresher course Academy Industry Interface Transforming Research Thoughts into Practice.	9-28 th June 2014	JNTUHyderabad	yes
Workshop	Three day workshop on Biostatistics, Research Methodology and Manuscript preparation.	24 th -26 th July 2014	JNTUH, Hyderabad	yes

Workshop	Two day national workshop on bio-fuels from waste.	5 th and 6 th August 2014	JNTUH, Hyderabad	yes
2. Centre for Chemical Sciences and Technology				
-	-	-	-	-
3. Centre for Nano science and Technology				
Orientation Course	39 th Orientation Course	12.05.2014 to 07.06.2014	JNTUH	Yes
International Conference	International Conference on New Dimensions in Chemistry and Chemical Technologies- Applications in Pharma Industry (NDCT-2014)	23 rd -25 th June, 2014	JNTUH	Yes
International Conference	First World Conference on Fracture and Damage Mechanics, FRACTURE-2014	9 th -11 th Aug, 2014	TEQIP-II	Yes
International Conference	International Conference on Sustainability of Digital Libraries	25 th -27 th Sep, 2014	JNTUH	Yes
International Conference	International Conference on Environment and Energy	15 th -17 th Dec,2014	JNTUH	Yes
National Conference	National Conference on Renewable and Sustainable energy	27 th – 28 th June, 2014	JNTUH	Yes
Workshop	Workshop on Biostatistics, Research methodology & Manuscript preparation	24 th – 26 th July, 2014	JNTUH	Yes
Workshop	One-Day National Workshop on	30 th July, 2014	JNTUH	Yes

	Safety in Chemical and Pharmaceutical Industries			
Workshop	Workshop on Procurement Practices	22 nd Aug, 2014	JNTUH	Yes
Workshop	Workshop on Web based Student, Faculty and Staff Satisfaction Survey	23 rd Sep, 2014	JNTUH	Yes
Workshop	INUP Hands-on Training Workshop on Nanofabrication Technologies	9 th -18 th Dec, 2014	IISc, Bangalore	Yes
Workshop	Workshop on Green Processes for Energy Conversion (GEC-2014)	29 th - 30 th Dec, 2014	TEQIP-II	Yes
4. Centre for Environment				
Training	attending training on air the analysis of air pollutants at RTI, presented a talk at USEPA, and Old Dominion University, USA	during 23 rd April to 2 st June 2014.	TEQIP-II	Yes
5. Centre for Pharmaceutical Sciences				
-	-	-	-	-
6. Centre for Spatial Information Technology				
National Conference	“Water Environment and Society “	30th July to 31 st July 2015	TEQIP-II	Yes
Training programme	Orientation Course on RS&GIS for Operators & Technicians	23 March- 03 April, 2015	TEQIP-II	Yes
International conference	International conference on Environment and Energy	15-12-14 to 17-12-14	TEQIP-II	Yes

International Conference	4 th International Conference on Hydrology and watershed management	2014	TEQIP-II	Yes
7. Centre for water Resources.				
International Conference Dr. B.Venkateswara Rao	NGWA Groundwater Summit 2014	4-7 th May, 2014	TEQIP – II, IST	Yes
International Conference Dr. B.Venkateswara Rao	4 th International conference on Hydrology and watershed management	29 th October to 1 st November - 2014	IST, JNTUH	Yes
International Conference Dr. C. Sarala	4 th International conference on Hydrology and watershed management	29 th October to 1 st November - 2014	IST, JNTUH	Yes
International Conference Dr.M.V.S.S. Giridhar	4 th International conference on Hydrology and watershed management	29 th October to 1 st November - 2014	IST, JNTUH	Yes
International Conference (Dr.M.V.S.S. Giridhar)	“Earth Science and Climate Change” on 28 – 30 July, 2014	28 – 30 July, 2014	by OMICS PUBLISHING GROUP in double tree by Hilton hotel san Francisco Airport, USA	
Conference (Dr.M.V.S.S. Giridhar)	Environment and Energy	15 – 17 December, 2014	TEQIP-II, IST	
National Conference (Dr.M.V.S.S. Giridhar)	HYDRO 2014”	18-20 December, 2014,	Sponsored by TEQIP – II, IST	

10. Details of Research Publications (during Academic Year 2014-2015):

S.No:	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ISSN/ Impact Factor
1. Centre for Biotechnology					
1.	Pushpalatha G., Archana Giri, Sarla	Comparative Biochemical Analysis of Wild	Asian Journal of	2014	

	N. and Vandna Rai	Introgression Lines in Response to Short-Term Exposure to Salinity . Vol. 9: 1-8. (2014)	Bioscience		
2.	G E. Suhasini, M. Nirmala, Varalakshmi, Archana Giri, B. Solomon G. Sahitha (2014)	Antioxidant activity of newly synthesised imidazole (2-(2-benzylidenehydrazinyl)-5, 5diphenyl-1, 5-dihydro-4H-imidazol 4-one)	Int J Pharm 4(1): 241-246	2014	
3.	Awantika Shrivastava , K Durga Prasad and Archana Giri	Calculating binding free energies and docking scores with PI3K inhibitors. Volume 15 (1): 106-113, 2014	Online Journal of Bioinformatics	2014	
4.	Mahesh Yanamandra , Labanyamoy Kole , Archana Giri, Sayan Mitra	Development of phosphocellulose paper-based screening of inhibitors of lipid kinases: Case study with PI3Kb 449 132–138. (2014)	Analytical Biochemistry	2014	2.8
5.	Awantika Shrivastava, K Durga Prasad 1* and ArchanaGiri	Difference between isoform Specific Inhibitors Over classes I PI3K through Molecular docking Studies. Volume 15 (2): 168-177, 2014.	Online Journal of Bioinformatics	2014	
6.	Surya Anjani Kumar Sarva and Archana Giri	Effect of Freshwater Crab shell Fog as Organic Fertilizers	International Journal of Agriculture and Food Science Technology. 5: 307-314	2014	
7.	J. Mary Grace and Archana Giri	Total Flavonoid content of fruit extract of <i>Terminalia chebula</i> Retz. vol 26: 2014.	Indian Journal of pure and applied physics	2014	.7
8.	Pushpalatha g., sreenu k., jain a., suresh t., subrahmanyam d., ram t., subbarao l.v., giri a., sarla n. And rai v	Allele mining of salt tolerant genes in <i>O. rufipogon</i> X <i>O. sativa</i> introgression lines and functional analysis of cis-acting regulatory elements. 2(1):025-032. (2014)	World Research Journal of Bioinformatics	2014	
9.	Mahesh Yanamandra, Labanyamoy Kole,	ATP COMPETITION OF PI3K INHIBITORS USING	International Journal of Bioassays ISSN:	2014	1.5

	Archana Giri and Sayan Mitra	PHOSPHOCELLULOSE PAPER APPROACH	2278-778X www.ijbio.com		
10.	Kumar NA, Rao KL, Archana G, Devi KU	C1-Esterase Inhibitor from Human Plasma-An Improved Process to Achieve Therapeutic Grade	Purity. J Bioprocess Biotech 4: 174 doi: 10.4172/2155-9821.1000174	2014	1
11.	Suryakala Gandhi and Archana Giri	Standardization of protocol for high frequency seed germination and direct regeneration in <i>Centella asiatica</i> (L.) Urban: An important medicinal plant	Journal of chemical and pharmaceutical research. 2014, 6(10):224-230	2014	
12.	Bhuvaneshwari Chodiseti, Kiranmayee Rao, Suryakala Gandhi, Archana Giri,	Signaling molecules - Methyl jasmonate and salicylic acid effect on enhancing the gymnemic acid content in <i>Gymnema sylvestre</i> suspensions.	In Vitro Cellular and Developmental Biology-Plant DOI 10.1007/s11627-014-9655-8	2014	1.2
13.	Edupuganti S, Potumarthi R, Sathish T, Mangamoori LN	Role of feed forward neural networks coupled with genetic algorithm in capitalizing of intracellular alpha-galactosidase production by <i>Acinetobacter</i> sp.	<u>Biomed Res Int.</u> 2014;2014:36173 2. doi: 10.1155/2014/361732	2014	2.71
14.	D. Sivaramakrishna , D. Sreekanth, M. Sivaramakrishnan , B. Sathish Kumar V. Himabindu , M. Lakshmi Narasu	Effect of system optimizing conditions on biohydrogen production from herbal wastewater by slaughterhouse sludge	IJHE , xxx p 1 – 8	2014	2.930
15.	Anusha B , Harshini T , Saida Naik L and Venkateswar Reddy K	Impact of Cotton Ginning Mill Effluents on Physico-Chemical & Biological Properties of Soil”	International Journal of Advanced Biotechnology and Research(IJBR), Vol5, Issue4, , p680-684	2014	
16.	P. Gouthami, M. Sahana, L. Saida Naik, K. Venkateswar Reddy	Effect of Paper Industry Effluents on Soil Protease and Urease Activity	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 10	2014	
17.	Pattlola Aishwarya, Lavudi Saida, K.Venkateswar	Impact of Brewery industry Effluents on soil enzyme activities	Int.J.Curr.Microbiol.App.Sci 3(10) 686-692	2014	

	Reddy and P.Ranjit				
18.	Harshini T, Anusha B, Saida Naik L and Venkateswar Reddy K	“Influence Of Paper And Pulp Industry Effluents On Physico-Chemical & Biological Properties Of Soil”	International Journal of Bioassays	2014	
19.	Korra Ashwani, Lavudi Saida and K.Venkateswar Reddy	“Isolation, Screening and Characterization of Cellulolytic bacteria from forest soil sample”	Int.J.Curr.Microb iol.App.Sci	2014	
20.	Sahana M, Gouthami P, Saida Naik L, Venkateswar Reddy K and P Ranjit	“Influence Of Cotton Ginning Mill Effluents On Soil Protease And Urease Activity”	International Journal of Bioassays	2014	
21.	T. Chiranjeevi, A. Uma, K. Radhika, G. Baby Rani, M. Lakshmi Narasu, R.S. Prakasham, P. Srinivasa Rao, A.V. Umakanth	Enzymatic hydrolysis of market vegetable waste and subsequent ethanol fermentation-Kinetic evaluation	<i>Journal of Biochemical Technology</i> 5(4):7 75-781	2014	
22.	Venkateswarlu Gurrarn, Ramesh Garlapati, Chiranjeevi Thulluri, Kumara Swamy Kasani, Pavan Kumar Machiraju, Uma Addepally, Rambabu Gundla, Balaram Patro, Narender Pottabathini	Design, synthesis and biological evaluation of quinazoline derivatives as α -glucosidase inhibitors.	<i>Medicinal Chemistry Research</i> DOI 10.1007/s00044-014-1293-5	2014	
23.	K. Ravichandra, V. V. N. Yaswanth, B. Nikhila, R. S. Prakasham, Jamal Ahmad, P. Srinivasa Rao, A. Uma	Xylanase production by isolated fungal strain, <i>Aspergillus fumigatus</i> RSP-8 (MTCC 12039): Impact of agro-industrial material as substrate	<i>Sugar Tech Journal</i>	2014	
24.	A Pavani, Sk. Mohmmad, A. Uma, Vijaykumar K	Methodological issues in the development of a pharmacogenomics algorithm for warfarin dosing: comparison of two repression approaches	<i>Pharmacogenomics</i> , 15(8): 1125-1132.	2014	
25.	Y Rupasree, SM Naushad, L Rajasekhar, A Uma and VK Kutala	Association of TLR-4 (D299G, T399I), TLR9-14865>C, TIRAP SL80L and TNF- α promoter (-1031, -8163, -857) polymorphism with risk for systemic lupus	<i>Lups</i> , 0, 1–8	2014	

		erythematosus among south Indians			
26.	Pavani, Addepalli, Shaik Mohammad Naushad, Balraj Alex Stanley, Renganathan Gnanambal Kamakshi, Krishnan Abinaya, Malempati Amaresh Rao, Addepally Uma	Mechanistic insights into the effect of CYP2C9* 2 and CYP2C9* 3 variants on the 7-hydroxylation of warfarin."	<i>Pharmacogenomics</i>	2015	
27.	C Thulluri, U Addepally, BR Golugur	<u>Production of Holocellulolytic Enzymes by Cladosporium cladosporioides Under Submerged and Solid State Conditions Using Vegetable Waste as Carbon Source</u>	Chemical and Bioprocess Engineering: Trends and Developments	2015	
28.	Uma Addepally and Chiranjeevi Thulluri	Recent progress in production of fuel range liquid hydrocarbons from biomass-derived furanics via strategic catalytic routes	<i>Fuel</i> (Accepted In-press)	2015	
29.	Venkateshwarlu Gurram, Ramesh Garlapati, Chiranjeevi Thulluri, Kumara Swamy Kasani, Pavan Kumar Machiraju, Uma Addepally,	Design, synthesis and biological evaluation of quinazoline derivatives as α -glucosidase inhibitors.	<i>Medicinal Chemistry Research</i>	2015	
30.	Santanu Hati, Sanjay M. Madurkar, Chandramohan Bathula, Chiranjeevi Thulluri, Rahul Agarwal, Faiza Amber Siddiqui, Poonam Dangi, Uma Addepally	<i>Design, synthesis and biological evaluation of small molecules as potent α-glycosidase inhibitors</i>	<i>European journal of medicinal chemistry</i>	2015	
31.	Shathapudi, V Kodati, J Erukkambattu, U Addepally, H Qurratulain	Association of luteinizing hormone chorionic gonadotropin receptor gene polymorphism (rs2293275) with polycystic ovarian syndrome	Genetic testing and molecular biomarkers	2015	
32.	UAM LA Sindhua, Kiran Kumar, Umakanta Swaina	"Amalakirasayana feeding declines the DNA Damage in wistar rat Cerebellum, Liver and Testis, through	Current Trends in Biotechnology & Pharmacy	2015	

		age."			
33.	Sheik Aliya, Podendla Chaithanya, Adepelly Uma, Yalavarthy Prameela Devi	Evaluation of anthelmintic activity of methanolic extracts of five medicinal plants.	International Journal of Innovative Research in Science, Engineering and	2015	
34.	SS Bathula, Chandramohan, Rajinikanth Mamidala, Chiranjeevi Thulluri, Rahul .	Substituted furopyridinediones as novel inhibitors of α -glucosidase.	RSC Advances	2015	
35.	C Thulluri, U Addepally, BR Goluguri	Chemical and Bioprocess Engineering Trends and Developments	apple academic press	2015	
36.	Y Rupasree, SM Naushad, L Rajasekhar, A Uma, VK Kutala	Association of TLR4 (D299G, T399I), TLR9–1486T> C, TIRAP S180L and TNF- α promoter (–1031,– 863,– 857) polymorphisms with risk for systemic lupus erythematosus among South Indians	Lupus	2015	
37.	Y Rupasree, SM Naushad, L Rajasekhar, A Uma, VK Kutala	Association of estrogen receptor 1 (ESR1) haplotypes with risk for systemic lupus erythematosus among South Indians	NISCAIR-CSIR, India	2015	
38.	Nadella Kumudini, Addepally Uma, Shaik Mohammad Naushad, Rukmini Mridula, rupambor gohain, Vijay Kumar Kutala	Sexual dimorphism in xenobiotic genetic variants-mediated risk for Parkinson's disease	<u>Neurol Sci.</u>	2014	
39.	<u>Lakshmi S. Jasti, Nitin W. Fadnavis, Uma Addepally, Siona Daniels, SarikaDeokar, SurendraPonrathnam</u>	Comparison of polymer induced and solvent induced trypsin denaturation: The role of hydrophobicity.	<i>Colloids Surf B Biointerfaces</i> 116: 201-205. doi: 10.1016/j.colsurfb.2014.01.002.	2014	3.55
40.	Lakshmi SwarnalathaJasti, S andhya Rani Dola, Thenkrishnan Kumaraguru, SreedharBajja, Niti n W. Fadnavis, Uma Addepally, KishorR ajdeo,	Protein-coated polymer as a matrix for enzyme immobilization: Immobilization of trypsin on bovine serum albumin-coated allylglycidyl ether–ethylene glycol dimethacrylate copolymer	<i>Biotechnology Progress</i> (Accepted in Press), , DOI: 10.1002/btpr.1871	2014	1.8

	SurendraPonrathnam, SarikaDeokar				
41.	SujathaThathapudi, VijayalakshmiKodati, Ahuja Yog Raj, Uma Addepally, AnuradhaKatragada, Qurratulain Hasan	Role of TNF a in the etiopathogenesis of PCOS: a clinical, biochemical and molecular genetic study. <i>Molecular Cytogenetics</i>	7(Suppl 1):P94	2014	2.36).
42.	SujathaThathapudi, VijayalakshmiKodati, JayashankarErukambattu, AnuradhaKatragada, Uma Addepally, Qurratulain Hasan	Anthropometric and Biochemical Characteristics of Polycystic Ovarian syndrome in south Indian women using AES-2006 criteria.	<i>International Journal of Endocrinology & Metabolism</i> , , 12 (1):e12470.	2014	

2. Centre for Chemical Sciences and Technology

1	B. Lakshmi Sushma, G. Madhusudhan, A. Jaya Shree, P. Srinivasulu, Y. Koti Reddy	Development and validation of stability indicating UPLC method for the quantitative determination of related substances in moxifloxacin hydrochloride	<i>Journal of Pharmacy Research</i>	2015	9(4),211-216
2	Polkam Naveen, Yennam Satyanarayana, P. Yogeewari, Ramesh Ummanni and Jayashree Anireddy	Synthesis and biological evaluation of New 5-(2,5-dimethoxyphenyl)-1,3,4-Thiadiazole-2-amino derivatives as potent anti mycobacterial and anticancer agents,	<i>Bioorganic & Medicinal Chemistry Letters</i>	2015	25, 2015,139 8-1402
3	B. Hariram, R. Suresh Kumar, Anireddy Jaya Shree, Dama Venugopala Rao, L. Kalyanaraman, Katkam Srinivas,	Development of an Ultra-High Performance Method on Superficially Porous Stationary Phase for the Determination of Related Substances in Pitavastatin Calcium by HPLC: Science and Risk-Based Approach for QC Test Method	<i>Chromatographia</i> ,	2015	DOI 10.1007/s10337-015-2922-y
4	B.Lakshmi Sushma, G. Madhusudhan, A. Jaya Shree, P. Srinivasulu, Y. Koti Reddy	Development and validation of stability indicating UPLC method for the quantitative determination of related substances in moxifloxacin hydrochloride	<i>Journal of Pharmacy Research</i>	2015	2015,9(4),211-216
5	Shivaprasad Kasturi, Raj Kumar V, Srinivas Uppalanchi, Jayashree A, Hasitha shilpa Anantaraju, Perumal Yogeewari, Dharmarajan Sriram, Krishna S Ethraj,	Synthesis of novel morpholine tagged 4,6-diheteroalkylsubstituted s-Triazine derivatives and their cytotoxic activity	<i>Bioorganic & Medicinal Chemistry Letters</i> ,	2015	
6	srinivas B. Hariram, R. Suresh kumar, Anireddy Jaya Shree, Dama Venugopala Rao, L Kalyanaraman and Katkam	Development of simple, selective and highly robust UHPLC method for Pitavastatin calcium using superficially porous stationary phase, science and risk based approach: Application to quality control study	<i>Journal of Pharmaceutical and Biomedical Analysis(JPBA)</i> ,	2015	

7	N. Jagadeesh, Y. Ravindra kumar, Sandeep mohonty, Talasilas, A. Jayashree,	Analytical Characterization of two new potential impurities of Diltiazem	<i>Journal of Pharmaceutical and Biomedical Analysis(JPBA)</i> ,	2015	
8	,Soumen Ghosh, Jyoti Mareddy, A. Jayashree, Sarbani Pal, and Alok K. Mukherjee	Structural study of three nimesulidetriazole derivatives using X-ray powder diffraction: effect of substitution on supramolecular assembly	<i>CrystEngComm</i> ,	2015	DOI 10.1039/C4CEO1650E
9	A.V. Hanumantha Rao, P. N. Kishore Babu, V. Lakshman Rao and A. Jaya Shree,	PEG-600 Mediated phase transfer catalyst free <i>N</i> -alkylations of 2-butyl-5-chloro-1 <i>H</i> -imidazole-4-carbaldehyde	<i>Asian Journal of Chemistry</i>	2015	Vol 27(5), 2015
10	S. Veeraswamy, R. Venkat Ragavan, Y. Narasimha Reddy, Satyanarayana Yennam, A. Jayashree	Facile and short synthesis of (+) 1-hydroxy indolizidine and (+) coniceine from picolinic acid ethyl ester via cross claisen condensation	<i>Asian Journal of Chemistry</i>	2015	27(5) 1667-1670, 2015
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30.	k.ponnudurai ,K Prabhu, M.Srinvas murthy , S.Shobhani, V.anitha kumari	Formulation of Viburnum eruescens root asava and tis physic –chemical standardization.	Pelagia research library	2015	1
31.	p. vivek sagar, P.shivani, E.Sushma,S.Shobha Rani	Stability indicating RP-HPLC method for estimation of agomelatine in tablet dosage form.	International journal of pharmacy and biological sciences.	2015	0.55
32.	Iffath Rizwana, Dr. G. Krishna Mohan	Extractive spectroscopic determination of lansoprazole in Pharmaceutical dosage form	<i>Chemical Science Transactions</i>	2014	0.2
33.	Hari kumar ch, Dr.Ramesh A, Krishna Mohan Gottumukkala,	Hepatoprotective effect of ethanolic extract of <i>Swertia Chirayata</i> on paracetamol induced liver damage in albino rats	<i>World Journal of Pharmacy and Pharmaceutical Sciences</i>	2014	1.0
34.	Hari kumar ch, Dr.Ramesh A, Krishna Mohan Gottumukkala,	Hepatoprotective & anti-oxidant effects of <i>Mucuna Pruriens</i> against acetaminophen-induced hepatotoxicity in albino wister rats	<i>Research J.Pharm.and Tech /</i>	2014	0.8
35.	Hari kumar ch, Dr.Ramesh A, Krishna Mohan Gottumukkala,	Hepatoprotective effect of ethanolic extract of <i>Ficus Mollis</i> on paracetamol induced liver damage in albino rats	<i>International Research Journal of Pharmacy</i>	2014	1.0
36.	Swetha D, Krishna Mohan .G	Current trends in the research of <i>Embllica officinalis (Amla)</i> : A Pharmacological perspective	<i>Int.J.Pharm.Sci.Rev.Res</i>	2014	2.1
37.	P.Nagaveni, Switi b gaikwad G.Krishna Mohan	in-vitro anti cancer screening of <i>Maytenus Emarginata</i> fruits	<i>World Journal of Pharmaceutical Research</i>	2014	0.2
38.	P.Sailaja rao, G.Krishna Mohan	Beneficial effects of <i>Momordica Dioica</i> seed extract on lipid profile status in streptozotocin induced diabetic rats	<i>International Journal of Pharma Sciences</i>	2014	1.2
39.	P.Sailaja rao, G.Krishna Mohan	Beneficial effects of <i>Hydnocarpus laurifolia</i> extract on lipid profile status in streptozotocin induced diabetic rats	<i>Journal Of Pharmacy Research</i>	2014	1.2
40.	P.Sailaja rao, G.Krishna Mohan	Evaluation of anti-diabetic activity of <i>Hydnocarpus laurifolia</i> in streptozotocin	Asian Journal Of Pharmaceutical And Clinical	2014	1.0

		induced diabetic rats	Research		
41.	P.Sailaja rao, G.Krishna Mohan	Evaluation of anti-hyperglycemic and anti-hyperlipideimic effect of chloroform extract of <i>Hydnocarpus laurifolia</i> seed on streptozotocin induced diabetic rats	<i>Pharmanest</i>	2014	0.6
42.	Saradha Srikanth, G.Krishna Mohan	Evaluation Of Nootropic And Anti-Nociceptive Activity Of Green Tea In Comparison With Medhya Rasayana	<i>Chemical Sciences Journal</i>	2014	0.6
43.	Saradha Srikanth, G.Krishna Mohan	Comparative study of the nootropic activity of the aqueous and metyhanolic extracts of onion and medharasayana	<i>Annals Of Phytomedicine</i>	2014	0.5
44.	Saradha Srikanth, G.Krishna Mohan	Evaluation of nootropic activity and formulation of transdermal patches of cod liver oil.	<i>Annals Of Phytomedicine</i>	2014	0.5
45.	Saradha Srikanth, G.Krishna Mohan	Evaluation of rosemary oil for its nootropic activity and formulation of it into a transdermal patch	<i>International Journal Of Innovative Pharmaceutical Sciences and Research</i>	2014	0.5
46.	B. Mohammed Ishaq, G.Krishna Mohan	Analytical method development and validation of desvenlafaxine in bulk & tablets using RP-HPLC	<i>Indo American Journal Of Pharmaceutical Research</i>	2014	1.5
47.	B. Mohammed Ishaq, G.Krishna Mohan	Development & validation of reversed phase high performance liquid chromatography method for determination of tapentadol in pharmaceutical formulation	<i>Research & Reviews: Journal of Pharmaceutical Analysis,</i>	2014	1.5
48.	B. Mohammed Ishaq, G.Krishna Mohan	Development & validation of RP-HPLC Method for simultaneous estimation of tapentadol & paracetmol in bulk drugs & its pharmaceutical dosage form	<i>Research J.Pharm.and Tech</i>	2014	0.5
49.	Shanker Kalakotla, G.Krishna Mohan	Phytochemical Screening and <i>In-Vitro</i> Anti-Platelet Aggregation Activity of <i>Saraca Indica</i> (Linn.)	<i>Indo American Journal of Pharmaceutical Research</i>	2014	1.5
50.	Shanker Kalakotla, G.Krishna Mohan	Efficacy of leaves extract of <i>Acacia nilotica</i> against <i>Pseudomonas aeruginosa</i> with reference to Disc diffusion method	<i>Research Journal of Pharmacognosy and Phytochemistry</i>	2014	1.5
51.	Shanker Kalakotla, G.Krishna Mohan	, Anti diabetic and Anti oxidant activities of <i>Saraca</i>	Scholars Research Library	2014	1.5

		<i>indica</i>			
52.	Sivasankar Mohanty, G. Krishna Mohan	Proximate Analysis and Standardization of Plant Exudates: Gum Olibanum and Gum Dikamali	<i>Int. J. Pharm. Sci. Rev. Res</i>	2014	1.5
6. Centre for Spatial Information Technology					
1	<i>Hemalatha D^{*1}, Dr. ManjulaVani K¹, Ramesh M¹ and Asra M¹</i>	Development of an Automatic Algorithm for Extraction of Waterlogged Areas using Geospatial Techniques.		2015	
2	<i>Ramesh M, Dr. ManjulaVani K¹, Hemalatha D¹ and Asra M¹</i>	Evaluation of NDWI and MNDWI for Intra-Annual and Inter Annual assessment of Waterlogged Areas using Satellite Data - A case Study		2015	
3	<i>Jaya Babu T^{*1}, Dr. Kesava Rao P², Dr.ManjulaVani K¹, Dr.MadhavaRaoV² & Phanindra Kumar T²</i>	Watershed Planning and Impact Assessment – using Satellite Data.		2015	
4	<i>G. SrinivasaRao^{*1}, Dr.ManjulaVani. K² and Dr. D. Srinivasa Sarma³2nd</i>	Reuse of PET Waste from Coastal Area in High Performance Concrete – Case Study on Goa Coast,		2015	
5	<i>Mahbooba Asra¹, Dr. ManjulaVani K¹ and Ramesh M,¹</i>	Satellite based Assessment of Soil & Water Characteristics.” 2 nd National Conference on Water, Environment and Society		2015	
6	<i>K. Sashikiran Babu^{*1} and Dr. ManjulaVani. K,²</i>	Evaluation of damping for safety and stability of Gravity dams by Finite Element Analysis.		2015	
7	Sudarshan, Dr Manjulavani, Dr V Bhikshma	Strength Characteristics of HDPE Concrete		Dec2015	
8	J. Venkatesh	Geoprocessing Desktop Application for INCOIS Web Service	Asian Journal of multidisciplinary Studies	August2015	Impact Factor: 0.923)
9	Swetha.D, Ramamohan Reddy.K	Study of Characterisycs of Waves Over Seawalls Using Roughness Elements	International Journal of Earth Sciences and Engineering, Volume 07	2014	
10	Satish.V.,D, Ramamohan Reddy.K.and Rajani Ganta	Zer Waste Management & Treatment Technologies for Brewery Effluent-A Case Study of M/S United Breweries Limited,Srikakulam,	International Journal of Earth Sciences and Engineering, Volume	2014	
11	ShravanKumar.A, RamamohanReddy.K	Multie electrodeResistivity Survey for Characterisation of Hard Rocks in Kudliar Watershed,Medak District,A.P	International Journal of Earth Sciences and EginVoering	2014	

7. Centre for Water Resources					
1	Ravindra Babu, S., Venkat Ratnam, M., Basha, G., Krishnamurty, V. and Venkateswara Rao, B.	Effect of tropical cyclones on the tropical tropopause parameters observed using COSMIC CPS RO data”, Atmospheric Chemistry and Physics	Atmospheric Chemistry and Physics	2014	
2	Venkateswara Rao, B. , Siva Prasad, Y.,	Delineation of Kaolinised Zones by using Three Dimensional Resistivity Imaging in a Typical Khondalitic Terrain to Contain Water Well Failures	Journal of Geophysics	2015	
3	Varalakshmi V. and Venkateswara Rao B.	Hydrogeochemical Studies in the Granite and Basaltic Terrains of Telangana, India	Journal of Applied Hydrology	2015	
4	Salauddin Mohammad, Gopa Dutta, B Venkateswara Rao , P Vinay Kumar.	Equatorial wave activity during 2007 over Gadanki, a tropical station	J. Earth Sys. Sci.	2015	--
7	M.V.S.S.Giridhar and P. Suneel	Net Raiation Estimation From A Remotely Sensed Data Using Sebal Model	291-295.	2014	ISSN:2319-6890) (online) , 2347-5013,
8	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,	2015	ISSN: , pp: 23-34.
9	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),	2015	, pp:1675 - 1680, ISSN: 2229-5518.
10	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,	2015	ISSN: 2229-5518. Pp: 1670-1674
11	Giridhar M. V. S. S , Siva Vani N.	Estimation of Hourly Reference	International Journal of	2015	ISSN: pp.

	and Ramaraju Anirudh	Evapotranspiration,	Scientific & Engineering Research, Volume 6, Issue		746-753
12	Giridhar M.V.S.S. , and K. Divya Chowdary	Spatial distribution of GW quality after rainwater recharge in JNTUH campus	International Journal of Scientific Research in Engineering and Technology Journal, volume 4 special issue :1	2015	ISSN: 2321-7308 (Impact factor 3.8).
13	M.V.S.S. Giridhar , M.Anjaneya prasad	Fuzzy logic simulation For Ground Water Recharge Estimation Using Soil Water Balance Method	International journal of social science and management volume III, issue 2	2014	ISB 2319-300x pp:51-56
14	Giridhar M.V.S.S , Madaka Madavi, and Ramaraju Anirudh	“Assesment of pressures on spillways using aerators and air vent pipes”	International journal of Scientific and engineering research (IJSER) volume 6 issue 2	2015	ISSN: ,2229-5518 pp: 176-180
15	Deepthi, P., Sarala, C., Mukkanti, K.,	Application of Natural Adsorbents for Wastewater Treatment	International Journal of Research, Vol.2, Issue 7, July 2015, pp.556-561.	2015	ISSN: 2348-6848. Impact factor – 3.541.
16	Sarala, C., and Sree Lakshmi, G.,	Study on Spatial Rainfall Distribution with the help of GIS in Telangana Region”,	International Journal of Advances in Engineering and Technology, Vol. 8, Issue 5, Oct 2015, pp. 836-853.	2015	ISSN: 22311 963. Impact factor – 2.35

11. Books published as single author or as editor

S.No:	Authors Name	Title of the Book	Year of Publication	ISBN/ ISSN
1. Centre for Biotechnology				
1	L. Saida & K. Venkata Sri Krishna	(Chapter 12) Kinetic studies of alkali pretreated sweet sorghum bagasse using cellulose	2014	ISBN 978-1-77188-322
2	Dr.A.Uma	The Recent Progress	2014	-

		Ingenetically Engineered Xylanases: Production and Industrial Applications.		
3	Dr.A.Uma	Sorghum biomass: a novel renewable carbon source for industrial bioproducts	2014	ISSN 1759-7269
4	Dr.A.Uma	Chapter 16. Production of Holocellulolytic Enzymes by Cladosporium Cladosporioides under Submerged and Solid State Conditions Using Vegetable Waste as Carbon Source	2014	ISBN: 9781771880770
2. Centre for Chemical Sciences and Technology				
-	-	-	-	-
3. Centre for Nano science and Technology				
1	Manasa Maramraju Venkata, Bikshalu Kalagadda, Venkateswara Rao Kalagadda	Nano LaAlO ₃ & Simulation comparisons of High K Dielectric MOSFETs	2014	ISBN: 978-3-659-30414-9
2	Ganapathi Rao Kandregula, K.Venkateswara Rao, CH.Ashok	Self-cleaning application of Nanoporous Materials	2015	ISBN: 978-3-659-13446-3
4. Centre for Environment				
-	-	-	-	-
5. Centre for Pharmaceutical Sciences				
-	-	-	-	-
6. Centre for Spatial Information Technology				
-	-	-	-	-
7. Centre for water Resources.				
1	M.V.S.S. Giridhar	Proceedings of Two day National conference on Water, Environment and Society	2014	ISBN: 978-93-83635-13-9
2	M.V.S.S. Giridhar	Proceedings of 2 nd Two day National conference on Water, Environment and Society <i>ISBN: 978-93-83635-87-0</i>	2015	ISBN: 978-93-83635-87-0

12. Details of Patent/ Ongoing Projects / Consultancies (during Academic Year 2014-2015):

Title/Description	Principal investigator	Duration/time period	Sponsoring Organization	Funding Amount	Remarks
1. Centre for Biotechnology					
Technology Project on Hydrogen Production through Biological Routes	Prof. M Lakshmi Narasu	5 years (2010-2015)	MNRE	49,69,000	
Studies on the effects of Obesity and Obesity induced Type 2 Diabetes on advanced aging phenomenon.	Dr. A. Uma	3 years (2012-2015)	DBT	56,96,000	
Consortium for development of Sustainable Advanced Lignocellulosic Biofuel Systems.	Dr. A. Uma	5 years (2012-2015)	INDO-US Joint Clean Energy Research And Development Center	88,68,000	
Biochemical elucidation of <i>Centella asiatica</i> leaf epidermome , cloning and over expression of the genes involved in the production of pharmaceutically important centellosides	Dr. Archana Giri	2013-2016	DST-SERB	32,47,000	
Bioprocess development for adiponectin production using hairy root cultures of <i>Withania somnifera</i>	Dr. Archana Giri	Two years 2012-2014	AICTE	16,50,000	
2. Centre for Chemical Sciences and Technology					
Design, Synthesis and Biological Evaluation of	Dr.Sadanandam Palle	2014-17 3years	DST-SERB	31.5 lakhs	On going

small molecule antimitotic agents with DNAS Damaging Properties”					
Synthesis of heterocyclic compounds mediated by Pd/C catalyst and evaluation of their biological activity”	Prof. Anireddy Jayashree	2015-17	TEQIP-IIIC Project:	7.5 lakhs	On going
Design and Synthesis of Anti-mitotic agents and their Derivatives	Prof. Anireddy Jayashree	2015-17	TEQIP-R&D Project	7.5 lakhs	On going

Patents:

1. A Practical Synthesis of 1, 1'-Diethylferrocene, Braja sundar Pradhan, Naresh Vempala, S.Venkateshwar Rao, C.Prabhakar and A. Jaya Shree applied through National Research Development Council (NRDC) on 28-1-2015
2. A Practical Synthesis of 1, 2, 4- Butanetriol, Braja sundar Pradhan, Naresh Vempala, A. Jaya Shree and V. Venkatesan applied through National Research Development Council (NRDC) on 28-1-2015
3. A Practical Synthesis of 5,5'-Bistetrazole-1,1'-diol and its salts, Braja sundar Pradhan, Naresh Vempala, A. Jaya Shree and V. Venkateswara Rao applied through National Research Development Council (NRDC) on 28-1-2015

3. Centre for Nano science and Technology

Synthesis of Nanostructured metal oxides by microwave assisted room temperature ionic liquids and their applications	Dr.K.Venkateswara Rao	3 years	UGC	8.6 Lakhs	On going
Biology- Nanomaterials- Green Nanotechnology	Dr.K.Venkateswara Rao	3 years	UGC	11.7 Lakhs	On going
Development of gas sensors by using microbial biofilms with ferrite nanoparticles	Dr.K.Venkateswara Rao	3 years	DST-SERB	37.4 Lakhs	On going

4. Centre for Environment

Marine anaerobic bacterial diversity for the production of antimicrobials	Dr. Ch Sasikala	3 years (18-7-2013 to 17-7-2016)	MoES	40,000,00/-	
Ecology of Halo-Anoxygenic phototrophic bacteria of marine habitats of Gujarath	Dr. Ch Sasikala	3 years (2014-2017)	MoES	40,45,500/-	
Departmental improvement activities	Dr.V.Himabindu	2011-2016	DST-FIST	61 Lakhs	
Hydrogen production through biological routes	Dr.V.Himabindu & Dr. Lakshmi narasu	2010-2016	MNRE-Mission project	49 lakhs	
Development of PEM, AEM and Alkaline water electrolyzers for Hydrogen production	Dr.V. Himabindu	2014-2017	BARC-BRNS Project	33.95 Lakhs	
5. Centre for Pharmaceutical Sciences					
-	-	-	-	-	-
6. Centre for Spatial Information Technology					
-	-	-	-	-	-
7. Centre for water Resources.					
Application of resistivity Imaging for the delination of Kaolinised Zones to contain water well failiures in the khondalitic terrain	Dr.B.Venkateswara Rao	2013-2016	DST	19.93 lakhs	ongoing
Applied for Patent on” Replenishing	Dr.MVSS.Giridhar	2015	JNTUH	--	--

Aquifers With Excess Surface Flows Above Fsl Of Canals/ Tanks/ Lakes Through Filter Coupled Recharge Shaft” on 16 th December, 2015.					
A patent was published in gazette on Application of geo membrane sheet in the Rain Water Harvesting Structure on 24/04/2015.	Dr.MVSS.Giridhar	2015	JNTUH	--	--
Urban Lake water quality Monitoring-A people’s participation approach	Dr.MVSS.Giridhar	2014-15	Earth Watch International NGO, International Funding	7 lakhs	--
Rooftop rainwater harvesting, use and artificial recharge in urban scenario using Geomatics	Dr.MVSS.Giridhar	2013-14	AICTE, RPS, New Delhi	14,50,000	Ongoing
Hyperspectral remote sensing based crop inventory	Dr.MVSS.Giridhar	2012-16	UGC, New Delhi	12,00,000	Ongoing
Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach	Dr.MVSS.Giridhar	2014-17	AICTE, RPS, New Delhi	10,91,000	Ongoing
Development of hybrid	Dr.MVSS.Giridhar	2014-2015	Institute of Engineers	60,000	Ongoing

power generation model using rain water solar, wind			(India), Kolkata		
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13. Training and Placements details (during Academic Year 2014-2015):

S.No.	Organization name	UG/PG	Male	Female	Total
1. Centre for Biotechnology					
1	SHANTHA BIOTECH	PG	03	-	03
2. Centre for Chemical Sciences and Technology					
1	Mc Leods	PG	1	4	5
2	Neuland laboratories ltd, Hyderabad	PG	7	6	13
3	SAI LIFE SCIENCIES Banjara Hills,Hyderabad, Telangana State	PG	8	3	11
3. Centre for Nano science and Technology					
1	Accenture	PG	-	1	1
4. Centre for Environment					
-	-	-	-	-	-
5. Centre for Pharmaceutical Sciences					
-	-	-	-	-	-
6. Centre for Spatial Information Technology					
01	Accenture	PG	01	01	02
7. Centre for water Resources.					
-	-	-	-	-	-

14. Details of Students Academic/ Co-curricular/ Sports Achievements/ NSS Activities:

CEN

Promotion of Clay idols of Lord Vinayaka for “Vinayaka Chavithi” as a eco-friendly measure by students of M.Tch, M.Sc EST & EBT, annually and Clay Ganesha and canvassing on bucket nimarjanam program,

15. Major activities and achievements of the Institutions (during Academic Year 2014-2015):

CNST- Swacch Bharath

CWR –

- Constructed twenty two (22) recharge shafts long with three piezometers in the JNTUH campus. Total 11 structures were completed and working successfully since 2012. Almost 900 newly recruited rural water supply engineers were trained in the campus on innovative rainwater harvesting. Nearly 6 (Six) crore liters surplus rainwater was harvested during this year.
- Awareness programs conducted for school children.
- Twenty one outreach programs were conducted in the JNTUH campus for various stake holders.



World bank officials visiting innovative rainwater harvesting systems in the campus



DR.KKR Goutham school children visiting the rainwater harvesting systems in the campus.



CMR engineering collegestudents visiting the rainwater harvesting systems in the campus

16. Honors/ Distinctions/Awards/Rewards (during Academic Year 2014-2015):

CWR

1. Dr.B.Venkateswara Rao has elected for **Best Teacher Award-2015** by Govt. of Telangana.

17. Ph.D. Degrees awarded by the faculty and guided (during Academic Year 2014-2015):

CBT-28

CEN-04

CSIT-04

18. Foreign visits (during Academic Year 2014-2015):

CBT:NIL

CEN

Dr. V. Himabindu: Visited for attending training on air the analysis of air pollutants at RTI, presented a talk at USEPA, and Old Dominion University, USA during 23rd April to 2nd June 2014.

Dr. T.Vijaya Lakshmi attended 4 week training program on Ecosystem Modelling organized by Department of Forestry and Environmental Resources, NC State University, Raleigh, North Carolina, USA during 21st May to 21st June 2014.

CNST

Dr.K.V.Rao had taken special training classes for 30 days in Nano technology in order to get expertise in Nanomaterials for Biomedical applications, Synthesis of Dendrimers and applications in the area of targeted drug delivery, John Hopkin's University, Baltimore, USA, 8th August to 9th September, 2014

CWR

Foreign visits by Dr.B.Venkateswara Rao:

- (1) Dr. B. Venkateswara Rao has attended and presented the research paper in the NGWA Groundwater Summit held at Denver, USA during May 4-7, 2014

Foreign visits by Dr. MVSS. Giridhar:

Dr. M.V.S.S Giridhar, International Symposium Weather Radar and Hydrology-WRAH-2014 Washington, DC, USA scheduled during 07-10, April, 2014

19. Any other relevant/significant information:

CBT: Nil

CNST:

- Sowmya and Tejaswini Reddy were the Master students of CNST ,selected for Award of Inspire Fellow by Department of Science and Technology (DST)-Government of India, Ministry of Science & Technology, in the year 2014, 2015.
- Prabhu is the Master students selected for the Rajiv Gandhi National Fellowship (RGNF) by the University Grant Commission (UGC) in the year 2014.
- Kartik PS , Krishna Rao, Abhinav, PhD in Okayama University, Japan. R. Sugunaka reddy Nanyang Technogical university, Singapore.

- One of the Doctorate student of CNST, Rajendar is pursuing his PDF in Yeungnam university, South Korea.
- 5 number of Invited lectures were organized for CNST.



Undertaking by the Director/Principal / Head of the dept