

# PROFILE OF Dr. RAJESWARA REDDY SADDALA



**Name, Designation and Department:** Dr. RAJESWARA REDDY SADDALA  
Assistant Professor,  
Division of Animal Biotechnology,  
Department of Biotechnology,  
School of Herbal studies and Naturo Sciences,  
Dravidian University,  
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**Qualifications:** M.Sc., B.Ed., Ph.D.

Qualification	Board/University	Year of passing	Grade	Percentage	School/College/Institute/University
(Ph.D.) (Zoology)	S.V.University, Tirupati.	December 2009	First	70	S.V.University Campus, Tirupati, Chittoor Dt, A.P, India
Thesis Title A study on the screening of antihyperglycemic and antioxidant properties of <i>Pimpinella tirupatiensis</i> tuberous root in rat cardiac tissue in response to STZ - induced diabetic condition					
M.Sc. (Zoology)	S.V.University, Tirupati.	April 2005	Distinction	75%	S.V.University Campus, Tirupati, Chittoor Dt, A.P, India
B.Ed	S.K.University, Ananthapur	October 2002	First	73%	IASE, Kurnool, Kurnool Dt, A.P, India
B,Sc (B.Z.C)	S.K.University, Ananthapur.	April 2000	First	62%	Sri Ramakrishna Degree College, Nandyala, Kurnool Dt, A.P, India

## Academic positions held:

2010 - till now: Assistant Professor, Dept. of Biotechnology, Dravidian University, Kuppam, India

## EXPERIENCES

### a. University Services/Administrative Experience

#### Present additional positions

1. Working as COORDINATOR for M.SC Zoology from 015/04/2018 to till now
2. Working as WEBSITE OFFICER from 03/06/2017 to till now
3. Working as COORDINATOR for M.SC MICROBIOLOGY from 09/01/2013 to till now
4. Working as COORDINATOR for DDE ZOOLOGY from 11/01/2013 to till now

### Previous additional positions

1. Worked as NODAL OFFICER from 11/07/2013 to 06/08/2014

### Membership and participation in academic, administration and Research committees of University

1. Member in Public action committee for scrap items from 19-01-2018 to till date
2. Member in NAAC steering committee from 22-11-2017 to till date
3. Member in Transport committee for conducting second convocation (16-02-2015)
4. Member in Revision of University vehicles rental rates and guest house rents committee (05-03-2014)
5. Member in Board of Studies for m.sc Microbiology course, Dravidian University from 24-01-2013 to till date
6. Member in IAEC from 23-01-2013 to till date
7. Member in UGC Constitution grievances readdress committee from 07-01-2013 to 2104
8. Member in Departmental Research committee from 02-04-2013 to till date

### b. Teaching Experience:

- ✓ I have 7 years 7 months teaching experience as an Assistant Professor in handling theory and practical classes to M.Sc. Biotechnology students, Dept of Biotechnology, Dravidian University, Kuppam (October 2010 to till now).
- ✓ I have 5 years 7 months teaching experience as an Assistant Professor in handling theory and practical classes to B.Sc. Biotechnology and Zoology students, Dept of Biotechnology, Dravidian University, Kuppam (October 2010 to till now)
- ✓ I have 2 years teaching experience as an Assistant Professor in handling theory and practical classes to M.Sc. Zoology students, Dept of Biotechnology, Dravidian University, Kuppam (2016 to 2018)
- ✓ I had one year teaching experience in handling theory classes of anatomy paper to Diploma course in yoga from 2015 December to 2016 November.
- ✓ I had 3 years teaching experience as a Research scholar in handling Practical and Theory classes to M.Sc. Zoology & M.Sc. Bioinformatics students, S.V. University, Tirupati (2006-2009).

### Guest lectures

- ✓ "Diabetes- Basics" to BZC Final year Students, Govt Degree College, Kuppam, Chittoor Dt, A.P on 18-02-2017
- ✓ "Transgenic Animals" to BZC Final year Students, P.S.C.K.V.S.C Govt Degree College, Nandyala, Kurnool Dt, A.P. on 20-12-2011
- ✓ "Diabetes- Basics" to BZC Final year Students, P.S.C.K.V.S.C Govt Degree College, Nandyala, Kurnool Dt, A.P. on 12-11-2010
- ✓ "Career and Guidance" to BZC Final year Students, P.S.C.K.V.S.C Govt Degree College, Nandyala, Kurnool Dt, A.P. on 21-01-2010

### Courses taught

#### For M.Sc Biotechnology

Animal Biotechnology  
Environmental Biotechnology  
Biophysical and Biochemical Techniques  
Enzymology and Metabolism  
Chemistry of Biomolecules

#### For B.Sc Biotechnology & Zoology

Animal Diversity of Invertebrates  
Animal Diversity of Vertebrates  
Applications of Biotechnology  
Biological Chemistry and Microbiology

#### For M.Sc Zoology

Invertebrate & chordata  
Wild Life Conservation  
Molecular Genetics & Evolution  
Animal Biotechnology  
Computer applications & Biostatistics

#### Area of Interest in teaching

Animal Biotechnology  
Environmental Biotechnology  
Enzymology and Metabolism  
Biophysical and Biochemical Techniques  
Genomics and Proteomics

### c. Research experience:

With a Teaching and Research career for more than 9 years experience has been gained in the fields of Pre-clinical studies, Animal Biotechnology, Isolation studies of bioactive compounds, Diabetic Oxidative stress, Biochemistry and pesticide toxicology. Experienced in spectrophotometric analysis of, Transaminases, Proteolytic, oxidative and Glycolytic enzymes.

I and my team have been working in the field of Diabetic oxidative stress and medicinal plants for the last several years.

**Earlier Research work (Ph.D. work, 2006-2009):** My Research work explores beneficial role of *Pimpinella tirupatiensis* in terms of antioxidant defense system in Diabetic induced Oxidative Stress in albino rats. In this study, I selected blood glucose levels, body weights (International Journal of Pharmacy and Pharmaceutical Science Vol 7, Issue 2, 2015), lipid profiles, Malondialdehyde content, biological antioxidants (**Experimental and Toxicological Pathology**, 65 (2013) 15-19 IF 2.6), antioxidant enzymes were monitored in all treated animals. In addition to these, antioxidant system related cellular oxidative enzymes were also measured (**Iranian Journal of Pharmaceutical Research** (2012), 11 (1): 277-286 IF 1.5). I am also measured Oxidative Stress Markers by Electron Paramagnetic Resonance Spectroscopy (EPR) in Rats with Reference to Streptozotocin - Induced Diabetes (**J. Pure & Appl. Phys.**, Vol. 22, No. 1, Jan. - Mar., 2010, pp. 135-141).

**Current Research work (2010 to till now):** First time we started preclinical studies in the Dravidian University for screening the activity of many herbal formulations against diabetic- oxidative stresses and wound healing.

Currently I and my team worked on Isolation of Phytochemical compounds from various extracts of medicinal plants by bioassay guided fractionation through HPLC, Column Chromatography, TLC, LCMS, GCMS and NMR studies and synthesis of nanoparticles for enhancing the antihyperglycemic and antioxidant activity of isolative compounds with reference to *in vitro* (Antioxidant and antidiabetic parameters) and *in vivo* studies in STZ induced Diabetes oxidative stress rats (Complete study on Cardiac, liver, brain tissues in diabetic condition). (**International journal of Innovative Pharmaceutical sciences and Research**. 6(3), 2018, 76-89 (2018). ISSN (Online): 2347-2154)

First time we were reported applied Weighted Gene Co-Expression Network Analysis approaches to study mechanisms underlying in response to multiple stresses in zebrafish. In this study, investigation of transcription profiles from multiple stress samples by WGCNA network approach revealed the co expression networks and genes to multiple stresses. In this study, we reported existence of the shared expression responses to different types of abiotic and biotic stressors. Additionally, functional analysis of these gene expression responses is providing a novel insight into various biological and molecular mechanisms that are conserved in abiotic and biotic stress conditions. (**Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics**. Part D 25 (2018) 62-72 (**Impact factor-3**) (2018).ISSN: 1744-117X), **International Journal of Pharma and Bio Sciences**. July; 8(3): (B) 787-795 (2017).ISSN: 0975-6299)

#### **Current Research objectives:**

Evaluation of effective fraction and compounds of *different medicinal plants* effect on expression of hyperglycemia induced apoptosis-related genes in STZ induced Diabetic rats

Investigating the effect of effective fraction of and compounds of *different medicinal plants* on expression of hyperglycemia activated autophagy mediators in STZ induced Diabetic rats.

To study the basic mechanisms of different diseases "at molecular and cellular levels and also prepare the different herbal formulations for several diseases.

#### **Area of Interest in Research**

- ✓ Pre-clinical studies,
- ✓ Animal Biotechnology,
- ✓ Isolation studies of bioactive compounds,
- ✓ Diabetic Oxidative stress,
- ✓ Biochemistry and pesticide toxicology.
- ✓ Weighted Gene Co-Expression Network Analysis approaches

#### **RESEARCH PUBLICATIONS (National and International):**

**Published Total (2009 - 2018): 18**

**International: (#15), National: (#2), Proceedings (#1)**

#### **Last five years Publications**

**Published Total (#12)**

**International: (#12)**

1. Benne Lakshminarashimhulu, Yarrappagaari Suresh, Gutha Rajasekar, , Thopireddy Lavanya, Syed Siraj Mohiyuddin, **Saddala Rajeswara Reddy (Corresponding Author)**. Enzymatic and Nonenzymatic antioxidant activities of *Cleome viscosa* and *Cleome gynandra* whole plant methanolic extracts in streptozotocin-induced diabetic rats: *International Research Journal of Pharmacy*. 2018, 9 (6), 118-124 (**2018**).P ISSN: 2230 - 8407. UGC Journal no: 7863. Publisher: Moksha Publishing House



2. Yarrappagaari Suresh, Gutha Rajasekar, **Saddala Rajeswara Reddy (Corresponding Author)**, Benne Lakshmi Narashimhulu, Thopireddy Lavanya, Mustrahally Raj Gopal, Bathula Sinivas. Evaluation of Free radical scavenging activity of four various solvent extracts from *Cleome viscosa* whole plant. International journal of Innovative Pharmaceutical sciences and Research. 6(3), 2018, 76-89 (2018). ISSN (Online): 2347-2154. UGC Journal no: 44683. Publishers: IJIPSR
3. Gutha Rajasekar, Yarrappagaari Suresh, Thopireddy Lavanya, Kesireddy Sathyavelu Reddy, **Saddala Rajeswara Reddy (Corresponding Author)**. Effect of Abiotic and Biotic Stress Factors Analysis Using Machine Learning Methods in Zebrafish. Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics. Part D 25 (2018) 62-72 (Impact factor-3) (2018). ISSN: 1744-117X. UGC Journal no: 16317. Citations: 1. Publisher: Elsevier Bv
4. Gutha Rajasekar, Yarrappagaari Suresh, Thopireddy Lavanya, **Saddala Rajeswara Reddy (Corresponding Author)**. Effect of sub lethal exposure to copper on oxidative stress and antioxidant defenses in *Catla catla* L. International Journal of Pharma and Bio Sciences. July; 8(3): (B) 787-795 (2017). ISSN: 0975-6299. UGC Journal no: 43438. Publisher: P. Muthuprasanna Pub. & Ed.
5. Gutha Rajasekar, Yarrappagaari Suresh, Thopireddy Lavanya, **Saddala Rajeswara Reddy (Corresponding Author)**. Evaluation of Copper Acute Toxicity in Common Carp (*Catla Catla* L.). International Journal of Science and Research (IJSR). Volume 6 Issue 7, July 192-195 (2017). ISSN: 2319-7064. Publishers: IJSR
6. **Saddala Rajeswara Reddy (First & Corresponding Author)**, Thopireddy Lavanya and Kesireddy Sathyavelu Reddy. Dosage response of *Pimpinella tirupatiensis* tuberous root extract on hyperglycemic condition in stz- induced diabetic rats with references to short and long term treatment. International Journal of Pharmacy and Pharmaceutical Science 2015 Feb; 7(2): (B) 389 - 392 (IF-0.91 ICV) (2015). ISSN: 0975-1491. UGC Journal no: 23339. Publisher: Innovare Academic Sciences Pvt Ltd.
7. D.Veera Nagendra Kumar, K.R. Shanmugam, Ch. Ramakrishna, G. Narasimhulu, T. Lavanya, **S. Rajeswara Reddy**, K. Sathyavelu Reddy. Neuroprotective effect of *pimpinella tirupatiensis* tuberous root aqueous extract on brain antioxidant status in STZ-induced diabetic rats. World Journal of Pharmaceutical Research. Volume 4, Issue 10, 2424-2435 (2015). ISSN: 2277-7105. UGC Journal no: 47332. Publisher: World Journal of Pharmaceutical Research.
8. Mustrahally Raj Gopal. Avulamandha Balakrishna **Saddala Rajeswara Reddy**, Bathula Sinivas. "Factors influencing Agrobacterium-Mediated Transient expression of uid A in *Cassia Occidentalis* Linn Explants" International Journal of Pharma and Bio Sciences (Int J Pharm Bio Sci) 2014 Jan; 5(1): (B) 840 - 855, (2014) ISSN: 0975-6299. UGC Journal no: 43438. Publisher: P. Muthuprasanna Pub. & Ed.
9. **S. Rajeswara Reddy (First & Corresponding Author)**, T. Lavanya, G. Narashimhulu and K. Sathyavelu Reddy. Regulation of Cardiac Oxidative Stress and Lipid Peroxidation in Streptozotocin-Induced Diabetic Rats Treated with Aqueous Extract of *Pimpinella tirupatiensis* Tuberous Root. Experimental and Toxicological Pathology. 65 (2013) 15-19. (IF-2.622). ISSN NO - 0940-2993, Citation: 31: H index: 2. UGC Journal no: 29079. Publisher: Elsevier GmbH, Urban & Fischer Verlag

10. **Rajeswara Reddy. S (First & Corresponding Author)**, T. Lavanya, G. Narashimhulu and K. Sathyavelu Reddy. Effect of *pimpinella tirupatiensis* on oxidative enzymes in STZ-induced diabetic rat kidney. *Iranian journal of Pharmaceutical Research (IF-1.5)* (2012), 11 (1): 277-286: ISSN NO - 1726-6890, Citation: **12**, H index: **1**. UGC Journal no: 8917. Publisher: Shaheed Beheshti Univ, Sch Pharmacy.
11. G. Narashimhulu, T. Lavanya, **S. Rajeswara Reddy**, K.Mallikarjuna, P.Visweswara Rao, Aishan Adam and K. Sathyavelu Reddy. Pharmacological Effects of *Pimpinella tirupatiensis* on altered Urea Cycle and Liver Markers in Diabetic Rats. *International journal of pharmacology*.8 (5):382-388, 2012, **(2012)**. ISSN NO - 1812-5700, Citation: **2**. UGC Journal no: 23336. Publisher: Asian Network Scientific Information-Ansinet.
12. Ganapathi Narashimhulu, Aishan Adam Topireddy Lavanya, **Saddala Rajeswara Reddy**, and Kesireddy Sathyavelu Reddy Protective Effects of *Pimpinella tirupatiensis* Bal. and Subr. an Endangered Medicinal Plant of Tirumala Hills Against Streptozotocin Generated Oxidative Stress Induced Diabetic Rats. *International Research journal of pharmacy*.2012. 3 (7): 308-314. **(2012)**. ISSN NO- 2230-8407. UGC Journal no: 7863. Publisher: Moksha Publishing House

### Previous Publications

#### International (#3)

13. T. Lavanya, **S.Rajeswara Reddy**, G.Narasimhulu, K.Sathyavelu Reddy. Treatment of *Pimpinella tirupatiensis* tuberous root extract restore alterations in renal carbohydrate metabolic profile in STZ induced diabetic rats. *The Bioscan*, 5(4):635-638, 2010,**(2010)**. ISSN NO: 0973-7049. Publisher: National Environmentalists Association
14. Siraj Mohiyuddin. **Rajeswara Reddy. S**, L. Aanda Kumar and Jacob Doss. P. Acephate induced alterations in Mg<sup>2+</sup> and Na<sup>+</sup> K<sup>+</sup> ATPases of different brain regions of Albino rats. *Journal of Bioscan*, **(2010)** vol 5, Number 1,153-156. ISSN NO: 0973-7049. **Ciations: 10** Publisher: National Environmentalists Association.
15. Siraj Mohiyuddin. **S. Rajeswara Reddy. S** and Jacob Doss. P. Acephate induced ultra structural changes in different brain regions of albino rats. *Journal of Bioscan*. **(2009)** vol 4, Number 4,573-576. ISSN NO: 0973-7049. Publisher: National Environmentalists Association.

#### National: (#2)

16. V.Chand Basha S. Siraj Mohiyuddin, **S.Rajeswara Reddy** and L. Ananda Kumar. A Retrospective Study of Organo Phosphorus Compound Poisonings in Tertiary Hospital in Hyderabad Region. *Indian journal of forensic medicine*. Vol 4, Number 1, 6-8 **(2010)**. ISSN.0973-9122 and e-ISSN-0973-9130. UGC Journal no: 20776. **Ciations: 4**. H-index: 1. Publishers: Dr. R K Sharma.
17. T.Lavanya, **S.Rajeswara Reddy**, G.Narasimhulu, K.Sathyavelu Reddy and J. Lakshmana Rao. Oxidative Stress Markers Measurement By Electron Paramagnetic Resonance Spectroscopy (EPR) in Rats With Reference to Streptozotocin - Induced Diabetes. *J. Pure & Appl. Phys.*, Vol. 22, No. 1, Jan. - Mar., 2010, pp. 135-141, **(2010)**. ISSN 0974 - 8970. Publisher: Pure & Appl. Phys, JNTU.

### Proceedings: (#1)

18. G.Narasimhulu, T.Lavanya, S.Rajeswara Reddy and K.Sathyavelu Reddy. Exploratory Studies On Protective Role Of *Pimpinella tirupatiensis* Tuberous Root Extract Against Oxidative Damage In The Liver Of Diabetic Induced Rats .NCOSCH - 2011.Oxidative Stress And Its Complication In Human Health (Proceedings) 19-20-january,2011 pp. 20-25, (2011).

### Research Papers presented in International & National Seminars/Conferences

Total: (#12), International: (#2), National (#10)

### Papers Presented for last five years

Total: (#8), International (#1), National (#7),

#### International (#1)

1. Dosage response of *Pimpinella tirupatiensis* tuberous root extracts on hyperglycemic condition in STZ- induced diabetic rats with reference to short and long term treatment. International symposium on Environmental impacts, Health implication and therapeutic approaches (ISEHT-2012) Organized by Vikrama Simhapuri University, A. p. India, July 15th- 17th 2012.

#### National (#7)

2. "Climate change effect on Himalayan glaciers". Two Day National Seminar on "Biodiversity: Conservation, Emerging Trends & Challenges" (BCETC-2017)".Organized by Dept of Zoology, Govt. Degree College, Ananthapuramu. October 5 & 6, 2017.
3. "Evaluation of antibacterial activity of ripen and unripened fruits of *Carissa carandas*.....strains". National seminar on "Recent advances in Biotechnology" (NSRAB-2017) organized by Dept of Biotechnology, Dravidian University, Kuppam, India, February 9th - 10th, 2017.
4. "Genetic markers used in wild life population Biology". National seminar on Wild Conservation- Endangered species. Organized by Dept of Zoology, Govt. College for men (Autonomous), Kadapa, A.P. January 20th - 21st, 2017.
5. "A Review on New challenges in the management of Environment" .National seminar on "India a hot spot of Environmental challenges and need of the multidisciplinary approaches to solve the environmental issues" (IEMA EI-2015) organized by Dept of Zoology, PVKN Govt. Degree College, Chittoor, December 15th to 16th, 2015.
6. "A Review about Impact of Pharmaceutical compounds on Environment". National seminar on Sustainability and management of aquatic ecosystems in semiarid areas. Organized by Dept of Zoology, Govt. College (UG&PG), Anantapur, January 7th & 8th, 2015.
7. "Nueropharmacological effect of some Indian medicinal plants". National seminar on Molecular and Genetics basis of Neurological disorders. Organized by Department of Zoology, Sri V.S.S.C. Govt Degree College, Sullurpeta. Nellore, December 19th & 20th, 2014.
8. "Acute effect of *Carissa carandas* fruit extracts....." National seminar on Recent trends in life sciences 2014. Organized by Dept of Zoology, T.R.R Govt. Degree College, Kandukur, August 07 & 8, 2014.

## Previous Papers Presented in International & National Seminars/Conferences

**Total (#4), International :( #1), National :(#3)**

### International :( #1)

1. Screening of Antioxidant properties of *Pimpinella tirupatiensis* tuberous roots with reference to free radical scavenging assays. International Symposium on Environmental Pollution Ecology and Human Health. Organized by Dept of Zoology S.V. University Tirupati, A. p. India, July 25th- 27th 2009.

### National :(#3)

1. "Effect of ethyl alcohol extracts of *Pimpinella tirupatiensis* Bal. and subr. tuberous root on blood glucose levels in STZ- induced Diabetic rats". 2st AP Science congress. Organized by Andhra Pradesh Akademi of Sciences, Hyderabad and Sri Venkateswara University, Tirupati, AP. November 14-16, 2009.
2. "Studies on oxidative stress markers in brain with reference to interaction of exercise and alcohol in two different age groups of male albino rats". 1st AP Science congress organized by Andhra Pradesh Akademi of Sciences and Osmania University, Hyderabad, AP. November 14-16, 2008.
3. "Up regulation of Carbohydrates metabolic profiles in Brain due to acute exercise training a study With Reference to aging". National Seminar on Emerging Trends in Biology. Organized by Centre for Biotechnology & Dept of Zoology and Aquaculture, Acharya Nagarjuna University, Guntur. 18th -20th October 2008.

### Invited talks

**Total: (#3), National (#3)**

### Invited talks in last five years

**Total: (#3), National (#3)**

1. "Protective effect of garlic in ameliorating oxidative stress in alcohol induced toxicity". National conference on Innovations and future challenges in biotechnology (NCIFB-2018). Organized by Dept of Biotechnology, Sri Venkateswara University, Tirupati, March 26 - 28, 2018.
2. "Treatment of *Pimpinella* .....in STZ induced diabetic rats". National seminar on "Anthropogenic Environmental change and the Emergence of infectious diseases in wild life" (AECEIDWL-2016). Organized by Dept of Zoology, SML Govt. Degree College, Yemmiganur, February 23 - 24, 2016.
3. "Action of ethyl alcohol of.....Cardiac Oxidative enzymes". National seminar on Emerging Trends in Biotechnology: Challenges and Opportunities. Organized by Dept of Biotechnology, Dravidian University, Kuppam, India, March 13th- 15th, 2012.



**Workshops/Conferences/Seminars/Symposia attended:**

**Total: (#10), International (#4), National (#6)**

**Workshops/Conferences/Seminars/Symposia attended for last five years**

**Total: (#5), International (#2), National (#3)**

**International (#2)**

1. March 23-25, 2017 International Conference on "Biotechnology and Bioengineering-Trends." Organized by JNTU, Hyderabad.
2. November 26- 28, 201 International conference on anthropogenic impact on the Environment and Bioremediation (ICAIEB-2012), S.V. University Tirupathi.

**National (#3)**

3. February 6- 8, 2017 National workshop on "e-Learning, e-Assessment & Education Technologies" Organized by Dept of Computer Science, Dravidian University, Kuppam and A.P.
4. August 4 & 5, 2017 National lecture cum Practical workshop on New Horizons in Exercise and Health. Organized by Dept of Zoology, S.V.University, Tirupati and A.P (**As a Young Scientist**).
5. October 27- 28, 2017 Science Academies Lecture workshop on Recent Advances in Bio-Sciences. .Organized by Dept of Zoology, Govt. Degree College, Puttur and A.P

**Previous Workshops/Conferences/Seminars/Symposia attended**

**Total: (#6), International (#2), National (#4)**

**International (#2)**

1. December 19-21, 2009 International Symposium on Emerging Trends in Biomedical and Nanobiotechnology: Relevance to human Health. Organized by Dept of Biotechnology and Dept of Nano technology, Acharaya Nagarjuna University, Guntur.
2. March 7- 9, 2008 International seminar on "Medicinal Plants and Herbal Products" Organized by Dept of Botany S.V. University Tirupathi and A.P Medicinal and Aromatic plant board Hyderabad.

**National (#4)**

1. August 19-20, 2011 Influence of Medicinal Plants on Human Life Organized by Dept of Biotechnology, Dravidian University, Kuppam
2. June 25-26, 2010 National Work shop on Recent Trends in Bioinformatics: Relevance to Human Health Organized by Dept of Zoology S.V.University Tirupathi A.P. India
3. March 29-30, 2010 National Seminar on Earth Resource - Role of Geologist in Ameliorating the Environment. Organized by Dept of Geology, S.V. University, Tirupathi.

4. July 23rd. 2008

National Workshop on "Influence of microbes on the Earth's Environment and Inhabitants" Organized by Dept of Applied Microbiology, S.P.M.V. University,

#### Training / In-service / Refresher etc., Programmes attended in last five years

Name of the Course	Place	Duration	Period		Sponsoring agency
			From	To	
Refresher Course	HRD, S. V.University, Tirupati	21 Days (108 hours)	10-08-15	29-08-15	UGC
Orientation Programme	Academic Staff College, S. V.University, Tirupati	28 days (144 hours)	25-11-13	21-12-13	UGC

#### Research guidance

##### Guided Ph.D. students: 1

1. Dr. Rajasekhar Gutha was joined in April, 2104, his Ph.D topic "Biochemical analysis of stress responses in *catla catla* and Transcriptome analysis of stress responses in *Danio rerio*" and awarded his Ph.D in December 2017.

##### Guiding Ph.D. Students (continuing): 2

1. Mr. Suresh Yerrappagari was joined in December, 2103. He is working on the topic "Isolation of active principle (s) by bioassay guided fractionation of .....: exploratory studies on antioxidant properties of .....in rat cardiac tissue in response to stz - induced diabetic stress".
2. Mr. Lakshmi Narashimhulu was joined in December, 2103. He is working on the topic "A study on the screening of in vitro and in vivo antidiabetic properties of ..... in stz-induced diabetic rats"

##### Guided M.Sc students for Project dissertation: 14

14 M.Sc. Biotech Students are completed their project work under my Supervision.

#### d. Professional Experiences

##### Professional Services/Editorial services/Membership in Scientific communities

- ✓ Served as Associate Editor and Reviewer for International journal of Pharmacognosy and Phototherapy-
- ✓ Served as a Editorial Board Member and Reviewer for International Journal of Pharmacy and Pharmaceutical Sciences
- ✓ Served as a Reviewer for Iranian Journal of Pharmaceutical Research

### Professional Activities

1. August 19-20, 2011: **Influence of Medicinal Plants on Human Life**, Organized Dept of Biotechnology, Dravidian University, Kuppam (Organizing committee member)
2. March 13-15, 2012: **Emerging Trends in Biotechnology: Challenges and Opportunities**. Organized Dept of Biotechnology, Dravidian University, Kuppam (Organizing committee member)
3. March 27th to 29th 2014: **Organized as Organizing Secretary One UGC Sponsored National Seminar on Present Status and Future Prospects of**
4. **Modern Biotechnology and their Applications** from 27th march to 29th March 2014 in Dravidian University.
5. February 09 & 10, 2017: **Two day National seminar on Recent Advances in Biotechnology-2017. Organized by Dept of Biotechnology, Dravidian University, Kuppam** (Organizing committee member).

### Honours and Awards

**OUTSTANDING FACULTY AWARD** from VIFA-2016, Chennai (Venus International Foundation, Chennai).

### REFEREENCES:

1. **Dr. Rajarami Reddy**  
Former Vice-Chancellor  
Vikramasimhapuri University  
Nellore, AP, India  
E-mail id: gottipolu2002@yahoo.com
2. **Dr. K. Sathyavelu Reddy**  
Former Registrar & Professor  
Division of Exercise Physiology and Molecular Biology  
Department of Zoology  
Sri Venkateswara University  
Tirupati - 517 502, AP, India  
E-mail id: sathyakreddy@hotmail.com
3. **Dr. M. Balasubramanyam**  
Asst. Director & Senior Scientist  
Madras Diabetes Research Foundation (MDRF)  
Conran Smith Road, Gopalapuram  
Chennai - 600086, India  
Email: balusignal@gmail.com, drbalu@mdrf.in