

**Curriculum Vitae**  
*of*  
**Dr. SIVA PRASAD. KANCHI.**

**AIM:**

To become an outstanding Lecturer and to develop innovative research and teaching skills in the field of Zoology.

**MY STRENGTH:**

I am very much dedicated to professionalism and highly motivated towards goal achievement. Besides that I have good communication skills and I am capable to viewing of the problems in a positive way. I am comfortable in working as a team as well as individually, have a deep sense of responsibility and sincerity. I am always committed to make meaningful contribution at all fronts.

**PERSONAL PROFILE:**

Sex : Male

Marital Status : Married

Nationality : Indian

Religion : Hindu

**CORRESPONDENCE ADDRESS :**

Dr. K. Siva Prasad

Lecturer in Zoology

SKR Govt. Degree College

GUDUR – 524101. AP. INDIA

Mobile : +919676841978

Email : kanchi1976@gmail.com

Researcher Id: [F-2437-2011](#)

**ACADEMIC PROFILE:**

Qualified the Andhra Pradesh State Eligibility Test (APSET-2016).

PhD (Zoology) : Sri Venkateswara University (2010)

M.Phil (Zoology) : Sri Venkateswara University (2007)

M.Sc (Zoology) : Sri Venkateswara University (2005)

B.Ed (Biology) : Sri Venkateswara University (2002)

B.Sc (B.Z.C) : Sri Venkateswara University (1997]

### PROFESSIONAL PROFILE:

- Appointed as a Lecturer in Zoology on 24.12.2011, by ANDHRA PRADESH State Government of Higher Education (APCCE), Recruited through APPSC.
- Posted at STSN Government Degree College, Kadiri, Anantapuramu Dist. AP.  
From 24.12. 2011 to 19.09.2013.
- Transferred to SVSSC Govt. Degree College, Sullurpet, SPSR Nellore Dist. AP.  
From 20.09.2013 to 02.10.2021.
- Transferred to SKR Govt. Degree College, Gudur, SPSR Nellore Dist. AP.  
From 03.10.2021 to till date.

### AWARDS/APPRECIATIONS:

- ❖ Awarded **5th rank (SVUCET - 2003)** in M. Sc., S.V. University, Tirupati, 2003.
- ❖ Recipient of ***Young Scientist*** award for best research paper presentation in UGC Sponsored National Seminar on ‘Emerging Trends in Biology’, held at A.N. University, India on 20—10-2008.
- ❖ Recipient of ***Young Scientist*** award for best research paper presentation in Research Forum, Sri Venkateswara University College of Biological and Earth Sciences, SV University, Tirupathi, India on 22—12-2008.
- ❖ Recipient of ***Young Scientist*** award for best research paper presentation in VSU International Seminar on ‘Health implications and therapeutic approaches’ held at V.S. University, India on 17—07-2012.

### Area of Research:

Neurobiology; Pharmacology, Bioinformatics; Animal Physiology; Animal Behavior; Enzymology and Antioxidant defense system.

**Title of the PhD Thesis:** “Anticonvulsive Properties of *Centella asiatica* against Pentylene-tetrazole-Induced Epilepsy in Rats”.

**Title of the M.Phil Thesis:** “Effect of different extracts of *Centella asiatica* on the muscle metabolism during PTZ induced epilepsy”.

**Brief Outline of the PhD Thesis:**

My PhD thesis explores the effect of Pentylenetetrazole and remedial role of *Centella asiatica* in terms of Carbohydrate, Lipid, Transaminases, Catecholamine and antioxidant defense system with special reference to epilepsy. This thesis mainly addressed the homeostasis of antiepileptic system in response to treatment of different extracts of *Centella asiatica* in the muscle and different brain regions of wistar male albino rats. In this study selected biochemical parameters were monitored in all treated animals. In addition to these, antioxidant system related cellular oxidative defense enzymes were also measured. This PhD thesis delineates the anticonvulsant effect of *Centella asiatica* (gotu kola) in pentylenetetrazole -induced seizures with respect to cholinergic neurotransmission provide fruitful results.

#### **Academic distinctions:**

#### **Research Fellowships**

- ❖ UGC – MRP Project Fellow, Dept. of Zoology, SV university, Tirupathi, India.

#### **Memberships in Professional Societies/bodies:**

- ❖ Life member of National Environmental Science Academy (NESA), New Delhi, India.
- ❖ Life member of Indian Society for Comparative Animal Physiology (ISCAP), Tirupathi, India.
- ❖ Life member pharma research library, India.

#### **SOFTWARE SKILLS:**

Well experienced in MS Office (MS Word, MS PowerPoint, MS Excel)

Well experienced in analysis of Statistical data by using SPSS.

#### **Teaching Experience:**

15 years experience in handling Practical and Theory classes to Post Graduate (M.Sc. Zoology & 10 years Experience in handling Practical and Theory classes to Post Graduate of M.Sc Bio-Informatics students in Biochemistry and Molecular Biology papers.

11 Years experience in UG BSC students from 2011- to till date (Regular service).

## RESEARCH SKILLS:

- Separation of cellular fractions and estimations of various antioxidant enzymes at cell organelle level. (Mitochondrial)
- Isolation of rat liver Deoxyribonucleic acid (DNA).
- Separation of Proteins by Sodium Dodecyl Sulphate Poly Acryl amide Gel Electrophoresis (SDS-PAGE), Southern Blotting technique.
- Estimation of Antioxidant Enzymes (AOE) by Spectrophotometric method.
- Estimation of Oxidative enzymes by Spectrophotometric method.
- Estimation of Lipid metabolic profiles by Spectrophotometric method.
- Preparation of tissue frozen section (slides) by using Cryostat.
- Estimation of Brain Neurotransmitters by using by Spectrofluorometric method.
- Estimation of ATPases by Spectrophotometric method.
- Qualitative and Quantitative analysis of amino acids by using High Performance Liquid Chromatography (HPLC).
- Extractions of the plant materials by using different solvents.

## Workshops/Seminars/Training Courses attended:

1. **Dr. Kanchi Siva Prasad (2021).** Participated in IQAC Initiative - One Day National Workshop entitled “Bloom’s Taxonomy - A Tool for Outcome Based Education (OBE)” held at DKW, Nellore on 16.12.2021.
2. **Dr. Kanchi Siva Prasad (2021).** Participated in International webinar on “New horizons in cancer biology and therapeutics”, held at SV University, Tirupathi, AP on 07.02.2021.
3. **Dr. Kanchi Siva Prasad (2020).** Participated in DRC Sponsored one day seminar on “*Solid waste management: Disposal and recycle methods*”, held at SVSSC Govt. Degree College, Sullurpet, SPSR NELLORE Dist. AP on 17.02.2020.
4. **Dr. Kanchi Siva Prasad (2020).** Participated in NAAC Sponsored two day workshop on

“*Designing outcome based curriculum: Theory to practice*” held at DKW, Nellore on 6<sup>th</sup> and 7<sup>th</sup> February, 2020.

5. **Dr. Kanchi Siva Prasad (2019).** International Seminar on “*Recent Advances in Emerging Technologies and its impact on the Biological Sciences*”. Organized by Department of Biotechnology, VSU, Nellore-524 320, A.P. INDIA. Genetic Basis of Disease: Thalassemia, ISREATBS-2019; 23-24 December 2019, Page 28.
6. **Dr. Kanchi Siva Prasad (2019).** Participated in the Refresher course in “*Life Sciences*” from 09-12-2019 to 21-12-2019 held at SRI VENKATESWARA UNIVERSITY, TIRUPATI, UGC – MHRD Sponsored refresher course and obtained grade ‘A’.
7. **Dr. Kanchi Siva Prasad (2019).** Participated in the National workshop on “*Intellectual Properties of Rights and its Education*”, UGC Sponsored National workshop held at DKW, Nellore, AP. held on 06.10.2019.
8. **Dr. Kanchi Siva Prasad (2017).** “*The Role of Wetlands in Biodiversity Conservation and Climate change*”. UGC Sponsored Two Day National Seminar on — “Biodiversity: Conservation, Emerging Trends & Challenges” (BCETC-2017). October 5th-6th, 2017 held at GDC, Anantapuramu.
9. **Dr. Kanchi Siva Prasad (2017).** “*DRUGS ABUSE FOR BIOMEDICAL ENHANCEMENT AND VIOLATION OF BIOETHICS*”. UGC Sponsored TWO DAY National Seminar entitled “Bioethics for the New Millennium” on 15<sup>th</sup> & 16<sup>th</sup> September, 2017.
10. Participated in one day DRC Seminar on “*Naa Telugu Basha*” held at DKW, Nellore on 21.02.2017.
11. **Dr. Kanchi Siva Prasad (2017).** “Protection of wild endangered animal in India”, UGC Sponsored two day National seminar on “*Wild life conservation – endangered species*” organized by department of zoology, GDC (A), Kadapa during 20<sup>th</sup> -21<sup>st</sup> January, 2017.

12. Participated in the workshop on “*Happiness initiative for youth empowerment*”, on 16.11.2016 at DKW, Nellore.
13. Participated in one day district level seminar on “*Inculcating National Integration in Youth through higher education*”, on 20.10.2016 at Govt. Degree College, Naidupet, SPSR Nellore Dist. AP.
14. Participated in one day workshop on “*Increasing enrollment and geo-tagging through Bhuvan RUSA app*” organized by APCCE, held in P.B.Siddhartha college, Vijayawada on 13.05.2016.
15. Participated in one day IQAC-UGC Sponsored State level seminar on “*Quality in higher education at UG level: A review*” held at Govt. Degree College, Naidupet, SPSR Nellore Dist. AP, on 06.01.2016.
16. Participated in one day DRC Seminar on “*Disaster management*”, held at GDC, Kovuru on 28.11.2015.
17. UGC-SERO Sponsored National Seminar on ‘*Sustainability and Management of Aquatic Ecosystems in Semiarid Areas*’ organized by Govt. Degree College (M), Ananthapuramu, on 7th & 8th January 2015.
18. Participated in the science academies lecture workshop on “*Recent advances in conservation of biodiversity and evolutionary biology*”, held at Govt. Degree college women, Srikalahasthi during 24<sup>th</sup> -25<sup>th</sup> November, 2014.
19. Participated in one day UGC Sponsored state level seminar “*Quality sustenance in Higher Education – Issues & Insights*”, held at SKR, Govt. Degree College, Gudur, SPSR Nellore Dist. AP on 18.09.2014.
20. National conference on “*Biodiversity, Environment hazards-therapeutic approaches and drug design*” held in Govt. Degree college, Srikalahasthi during 26<sup>th</sup> -27<sup>th</sup> July, 2014.
21. National seminar on “*Nutrition and Immunity*” organized by Govt. Degree College, Naidupet, Nellore, VS University, India on July - 18-19, 2014..

22. Dr. K. Siva Prasad (2014). Attended UGC Sponsored orientation course at Academic staff college, Andhra University, Visakhapatnam, held from 25.02.2014 to 24.03.2014.
  
23. **Dr. Kanchi Siva Prasad (2013).** Participated in the Refresher course in “Disaster management” from 03-06-2013 to 22-06-2013 held at SRI VENKATESWARA UNIVERSITY, TIRUPATI, UGC – MHRD Sponsored refresher course and obtained grade ‘A’.
  
24. National seminar on “*Enivironmental Governance*” organized by SVGGM Govt. Degree College, Kalyanadurg, Anantapur, SK University, India on Feb - 22-23, 2013.
  
25. Dr. K. Siva Prasad (2012). Participated in short term training course in “E-Learning”, at Jawaharlal Technological University, Hyderabad from 03.12.2012 to 08.12.2012.
  
26. International symposium on “*Health implications and therapeutic approaches*” held at V.S. University, India on 17—07-2012.
  
27. Dr. K. Siva Prasad (2011). Participated in 6 day training programme on “Induction training to the newly recruited lectures”, at KVR Women college, Kurnool from 26.12.2011 to 31.12.2011.
  
28. Indian Virology Society (IVS) silver jubilee year XIX National Conference on “*Recent trends in viral disease problems and management*” organized by Department of Virology, SV, Univesity, Tirupati on March 18 – 20, 2010.
  
29. National seminar on “*Earth resources – role of geologist in ameliorating the environment*” held at S.V.University, Tirupati during 29th – 30th March, 2010.
  
30. International symposium on “*Emerging trends in biomedical and Nanobiotechnology:Relevance to Human Health*”, organized by Acharya Nagarjuna University, Guntur held during December 19 -21<sup>st</sup>, 2009.

31. National workshop on “*Biodiversity awareness, conservation and utility*” held during 12-13<sup>th</sup>, October 2009. Department of Zoology, Bangalore University, Bangalore.
32. National Workshop on “*Present Scenario of Wildlife Management in India*” Department of Sericulture, Sri Padmavathi Mahila Viswavidyalayam, Tirupati. 20<sup>th</sup> and 21<sup>st</sup> August 2009.
33. International symposium on “*Environmental pollution ecology and human health*”, organized by Department of Zoology, SV. University, Tirupati held during 25 – 27<sup>th</sup> July, 2009.
34. International Seminar on “*Plant Biotechnology and genomics Towards a new green Revolution (ISPBG 2009)*”. Yogivemana University, Kadapa, A.P, India. 6<sup>th</sup> –7<sup>th</sup> February, 2009.
35. International Conference on Novel Updates in Reproductive Biology and Comparative Endocrinology and 27<sup>th</sup> Annual Meeting of the Society For Reproductive biology and Comparative Endocrinology. 19<sup>th</sup> – 21<sup>st</sup>, January 2009. University of Hyderabad, Hyderabad, A.P, India.
36. Participated in the interaction programme for Research Students from 22.12.2008 to 10.01.2009. Organized by the University Grants Commission, Academic Staff College, Sri Venkateswara University, Tirupati.
37. Participated in the “Young Scientist award competition” held at SV. University, Tirupati. 22<sup>nd</sup> December, 2008.
38. 1st AP Science Congress. Andhra Pradesh Akademi of Sciences and Osmania University, Hyderabad. A.P. November 14-16, 2008.
39. National seminar in emerging trends in Biology, Centre for Biotechnology and Dept. of Zoology and Aquaculture, Acharya Nagarjuna University, Guntur held during October 18<sup>th</sup> – 20<sup>th</sup>, 2008.
40. National workshop on “Influence of microbes on the earth’s environment and inhabitants” held at department of Microbiology, Sri Padmavathi Mahila Viswavidyalayam, Tirupati. 23<sup>rd</sup> – 24<sup>th</sup> July, 2008.



41. National Conference on “The Role of Biotechnology in Rural and Industrial Development”  
Organised by Criya Bio-Labs Tirupati, A.P, India. July 4& 5th, 2008.
  
42. National Workshop on Drug Designing, Organized by Department of Bioinformatics, Sri Venkateswara Institute of Medical Sciences, Tirupati, A.P, India. April 24-27<sup>th</sup> 2008.
  
43. National workshop on “Wildlife Management” organized by the Department of Zoology, SPMVV on 31st March 2008.
  
44. National Conference on “Emerging Trends in Biotechnology” Organized by Department of Biotechnology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, A.P, India. 29th March, 2008.
  
45. International Seminar on Medicinal plants and Herbal Products. Jointly organized by Department of Botany, S.V.University, Tirupati and A.P Medicinal plants and Aromatic plants Board, Hyderabad, held at Tirupati. March 7-10, 2008.
  
46. National Conference on biosciences in innovative health care. Organized by Department of Biosciences Sri Sathya Sai University, Prasanthi Nilayam, Puttaparthi, India. March 3-4, 2008.
  
47. National Seminar on Recent Research trends in Synthetic organic and Natural products Chemistry. Organized under UGC-DRS (SAP-1) Programme. S.V.University, Tirupati. February 26-27, 2008.
  
48. International Conference on Effects of Iodine Deficiency and Trace Elements on Human Health. International Conference on Effects of Iodine Deficiency and Trace Elements on Human Health. XXth Annual conference of National Environmental Academy New Delhi. December 27-29, 2007.

## LIST OF PUBLICATIONS:

1. **Siva Prasad Kanchi and Dr. Meesala Guru Sekhar (2022).** Anticonvulsive effect of *Centella asiatica* in rat muscles with particular reference to carbohydrate metabolism. Volume 11, Issue 3, 2022. ISSN NO: 1021-9056. INFOKARA RESEARCH. Impact factor 5.3. DOI:16.10089.IR.2022.V11I3.28531.4276
2. **Siva Prasad Kanchi (2019).** “Antiepileptic Ayurvedic Medicinal Herb: *Centella asiatica*”. International Journal of Ayurvedic and Herbal Medicine. 9(3) May.-June. 2019 (3539-3545). ISSN : 2249- 5746. Journal homepage: <http://www.interscience.org.uk>. DOI:10.31142/ijahm/v8i4.06. **Impact Factor: 4.415.**
3. **Dr. Kanchi Siva Prasad (2019).** “MECHANISM AND REGULATION OF EPILEPSY”. International Journal of Current Research in Life Sciences. Vol. 08, No. 05, pp.3119-3123, May, 2019. Available online at <http://www.ijerls.com>. ISSN: 2319-9490.
4. **Kanchi Siva Prasad (2018).** “Neuroprotective Property Of *Centella asiatica* Against Pentylene-Tetrazole Induced Epilepsy in Rat Brain With Particular Reference To Lipid Metabolism”. International Journal of Pharmaceutical Sciences and Research. E-ISSN: 0975- 8232; P-ISSN: 2320-5148. IJPSR, 2018; Vol. 9(2): 665-671. DOI link: [http://dx.doi.org/10.13040/IJPSR.0975-8232.9\(2\).665-71](http://dx.doi.org/10.13040/IJPSR.0975-8232.9(2).665-71).
5. **Kanchi. Siva Prasad (2017).** “Neuroprotective Upshot Of *Centella asiatica* Against Pentylenetetrazole Induced Epilepsy in Rats With Reference To Protein Metabolism”. International Journal of Recent Scientific Research. Vol. 8, Issue, 12, pp. 22555-22559, December, 2017. DOI: <http://dx.doi.org/10.24327/ijrsr.2017.0812.1289>. ISSN: 0976-3031. Available Online at <http://www.recentscientific.com>. CODEN: IJRSFP (USA).
6. **Kanchi.Siva Prasad and Badri.Rajarajeswari (2016).** “MOLECULE CONSTRUCTION AND DESIGN USING VECTOR NTI”. International conference on “Leadership for Sustainable Socio-Ecological systems” conducted during 23-25th July 2016 in collaboration with International Society for Systems Science, Boulder. Organized by the Departments of Biotechnology and Information Technology, Vignan’s Foundation for Science, Technology and Research University, Vadlamudi 522213 A P, India.
7. **Kanchi Siva Prasad (2015).** “Phytochemical and antiepileptic evaluation different extracts of *Centella asiatica* (gotu kola)”. International Journal of Current Pharmaceutical & Clinical Research. (IJPCR), Vol. 5, Issue 2, pp 66-72. e-ISSN 2248 – 9142 print-ISSN 2248 – 9134.

8. **K. Siva Prasad** (2014). "Vaccines for Children". Proceedings of the National Seminar on "Nutrition and Immunity" Sponsored by UGC. Department of Botany, Government Degree College, Naidupet, 18th & 19th July 2014.
9. **Siva Prasad Kanchi** (2013). "Effect of *Centella asiatica* (Gotu kola) on the antioxidant enzyme activities and glutathione levels in different regions of rat brain during pentylenetetrazole-induced epilepsy". *Int. J. of Pharm. & Life Sci. (IJPLS)*, Vol. 4, Issue 1: January: 2013, 2324-2334. ISSN: 0976-7126.
10. **Kanchi Siva Prasad**, G. Sudha Rani and M. Anil Kumar (2011). "Alterations in the muscle carbohydrate metabolism during pentylenetetrazole-induced epilepsy: protective role of *Centella asiatica*". *Acta Chim. Pharm. Indica*: 1(1), 20-31. ISSN 2277-288X.
11. B.N. Ramya Jyothi, **K. Siva Prasad**, S. Krupanidhi. (2011). "Docking and molecular modeling of the target – Penicillin Binding Protein-1A of *Haemophilus influenzae*". *Currents Trends in Biotechnology and Pharmacy*. Vol. 5 (3), pp 1310-1315. ISSN 0973-8916 (Print), 2230-7303 (Online).
12. **Siva Prasad K**, Visweswari G, Sudha Rani G and Komali E. (2010). "Protective Role of Different Extracts Derived from *Centella asiatica* Against Induced Epilepsy in Rat Brain with Particular Reference to Lipid Metabolism". *Int. J. Biol. Sci.* Vol. I (3 rd Issue), pp.149-157. ISSN NO. 0976-4518.
13. Visweswari G, **Siva Prasad K**, Sahitya Chetan P, Lokanatha V, Rajendra W. (2010). "Evaluations of the anticonvulsant effect of *Centella asiatica* (gotu kola) in pentylenetetrazole-induced seizures with respect to cholinergic neurotransmission". *Epilepsy&Behavior*, 17, pp332-335. (Impact Factor 2.54) (Online).
14. Visweswari G, **Siva Prasad K**, Lokanatha V, Rajendra W. (2010). "The antiepileptic effect of *Centella asiatica* on the activities of Na<sup>+</sup> + /K<sup>+</sup>, Mg<sup>2+</sup> and Ca<sup>2+</sup> -ATPases in rat brain during pentylenetetrazol –induced epilepsy". *Indian J. Pharmacol*, Vol 42 (2) pp 81-85. ISSN NO. 0253-7613(Online).
15. **Siva Prasad K** (2009). "Alterations in the Zinc -levels of n-Hexane and Chloroform extractions of *Centella asiatica* in rat". *Indian Journal of Comparative animal physiology*, Vol 27 (1), pp 77-80. ISSN NO – 0255-7150.

16. Visweswari G, **Siva Prasad K**, Lokanatha V, Rajendra W. (2009). "Epilepsy: Antiepileptic drugs versus herbal therapy". *Emerging trends in modern biology*. Vol (1), pp 245-260. ISBN NO-778-81-908886-0-8.
17. Lokanatha V, **Siva Prasad K**, Sailaja S, Rajendra W. (2008). "Fractionation of scorpion (*Mesobuthus tamulus*) venom and impact of specific fractions of the metabolism of catecholamines". *Proc. A.P. Akademi of Sciences*, Hyderabad, Vol 12 (4), pp 366-372.

### BOOKS PUBLISHED

1. **Kanchi Siva Prasad et al.**, (2015). "*Molecular and Genetics basis of Neurological Disorders*" National seminar proceedings published in pothi.com with ISBN 978-00-29-780-039. www.pothi.com (online)

### SEMINARS ORGANIZED

1. Organized International webinar on "**Post Covid-19 Scenario on Educational System**" on 29.05.2020 at SVSSC Govt. Degree College, Sullurpet, SPSR NELLORE DT. AP.
2. Organized DRC sponsored seminar on "**Solid waste management: Disposal and Recycle Methods**" on 17.02.2020.
3. Organized IQAC Workshop on "**SSR Preparation for online assessment by NAAC**" on 06.01.2020.
4. Organized UGC – SERO sponsored National Seminar on "**Molecular and Genetics basis of Neurological Disorders**" on 18<sup>th</sup> -19<sup>th</sup>, December 2014.

### MOOCS CERTIFICATE ONLINE COURSES:

1. Successfully completed Swayam on line certification course "**Principles of Genetics**" examination held in the month of May, 2019, Course offered by Gujarat University.
2. Successfully completed Swayam on line certification course "**Cell Biology**" examination held in the month of November, 2019, Course offered by Manipur University, Imphal.

3. Successfully completed Swayam on line certification course “***Environmental Studies***” examination held in the month of November, 2019, Course offered by Devi Ahilya Vishwavidyalaya, Indore.
4. Successfully completed Annual Refresher programme in Teaching (**ARPIT**) course on “***Climate change : A guide for teachers of all disciplines***”. examination held on 16.02.2020, online examination convened by National Testing Agency.
5. Successfully completed Annual Refresher programme in Teaching (**ARPIT**) course on “**Pharmacy for Higher Education**” examination held on 21.08.2021, online examination convened by National Testing Agency.
6. Successfully completed Faculty Development Programme (**FDP**) on “**Wildlife ecology**” examination held on 23.10.2021, online examination convened by National Testing Agency.

#### **DEPARTMENTAL TEST**

1. Passed the departmental test “***The account test for executive officers***” paper code 141, held on 10.11.2012. Conducted by APPSC, HYD wide notification number. 20/2012.

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