

## BIODATA OF Dr.G. Swathi

### EDUCATIONAL QUALIFICATIONS

1. **Ph.D - "Neuroprotective role of Bacopa monnieri against Rotenone induced Parkinson's disease", SriVenkateswara University, tirupati, Andhra Pradesh, India. - October-2013**

Si.No	Degree	University	Year	NET/APSET -Qualified
1	MSc Zoology	Sri Venkateswara university (DDE)	2009	CSIR-UGC-JRF(NET) 2008
				CSIR-UGC-JRF(NET) 2009
				GATE qualified 2009, 2010
2	MSc Botany	Dr.Br.A.O.U, Hyderabad.	2013	APSET-2016
3	MSc Psychology	Sri Venkateswara university (DDE)	2015	APSET-2019

**Youtube channel name:** Swathi Gunduluru

**Link:** [https://www.youtube.com/channel/UCpzv2CfBIM033Gh\\_oIKcmuQ?view\\_as=subscriber](https://www.youtube.com/channel/UCpzv2CfBIM033Gh_oIKcmuQ?view_as=subscriber)

### PROFESSIONAL EXPERIENCE:

#### TEACHING EXPERIENCE

- Teaching Zoology to graduate students since 2011. (APPSC -2011 women topper)
- Teaching Molecular biology, Cell biology, and Animal physiology to Post-graduate students since 2012.

**RESEARCH EXPERIENCE:** 14 years

#### RESEARCH PUBLICATIONS:

Total publications: 36

Books Published: 08

Papers presented at Symposia/Conferences : 12

- Teaching experience: Teaching Molecular biology, Cell biology, Animal physiology to graduate students since 2011.

#### SEMINARS/CONFERENCES/SYMPOSIUMS/WORKSHOPS - ORGANIZED

Si. N o.	Seminars/ Conferences/ Workshops	Titles	Sponsored agencies	Sanctioned amount	Utilized amount	Date
1.	Conference	National Conference on "Biodiversity, Environment Hazards – Therapeutic approaches and Drug Design"	UGC-SERO	1,25,000	1,23,000	26 -27th, July 2014
2.	Workshop	Science Academies' Lecture Workshop on 'Recent Advances In Conservation Of Biodiversity And Evolutionary Biology'	Indian Academy of Sciences, Bangalore	1,18,000	1,17,000	24th - 25th Novemb er, 2014

3.	<b>Workshop</b>	Science Academies' Lecture Workshop on 'Recent Advances In Biosciences'	Indian Academy of Sciences, Bangalore	1,43,000	1,31,625	27th - 28th October, 2017
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## RESEARCH POSITIONS

### MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS & PROFESSIONAL BODIES

- BOS Member in Zoology, Sri Venkatweswara University (2022-24)
- BOS Member in Zoology, PVKN Government College(A), Chittoor. (2023-2025).
- Advisory Board Member and Editor in Cambridge Scholars Publishing House.
- Advisory Board Member in World Journal of Pharmaceutical Science.
- Editorial Board Member in Journal of Natural Products Research Updates

### WORKSHOP/CONFERENCES – INVITED LECTURES:

#### WORKSHOP/CONFERENCES –:

1. Resource person: “**Human future- A glimpse into drugs**”  
National Seminar– DRUG ADDICTION AND ABUSE AMONG YOUTH-(DAY 2023) organized by Dept. of Zoology,GDC,Guddur
2. Resource person: “**Human future- A glimpse into drugs**”  
Science Academies' Virtual Refresher Course on "RECENT ADVANCES IN UNDERSTANDING THE WEB OF LIFE, 2021, organized by Dept. of Botany, Telangana University, Nizamabad , Indian Academy of Sciences, Bengaluru Indian National Science Academy, New Delhi, &The National Academy of Sciences India, Prayagraj
3. Resource person: “**New Dimensions in Understanding Ageing Process**”  
Two Day International Conference – Emerging Trends in Life Sciences (ICETLS – 2020), 15 – 16 December 2020, on virtual mode organized by Dept. of Botany, Telangana University, Nizamabad.
4. Resource person:  
International Webinar on “POST-COVID 19 Scenario on Educational System” organized by Department of Botany and Zoology on 29.05.2020, SVSSC Government Degree College, Sullurpet, SPSR Nellore Dt. AP.
5. Resource person: “**Brief story of Life**”  
INTERNATIONAL VIRTUAL CONFERENCE on “SPRING OF LIFE: THE PERFUME OF NATURE” organised by Department of Zoology, Government Degree College, RAVULAPALEM during 17th – 19th September 2020.
6. Resource person: “**Going through history of pandemics with particular reference to viruses**”.  
National Webinar entitled “Impact of SARS - CoV - 2 on Human Life: Preparedness for the PANDEMIC (COVID-19)”, Organized by Department of Zoology, Government Degree College, Ravulapalem, through Zoom video conferencing App held on 11 May 2020.
7. Invited Teacher: Twenty-Ninth Mid-Year Meeting of the Academy, Indian Academy of Sciences, at Infosys Development Centre, Mysuru, 28-30 June 2018.

8. Invited Lecture: **“Non timber forest products- Medicinal and aromatic plants”**  
 “Non timber forest produce (NTFP) for livelihood security of tribal communities in India” from 22-25th, October 2016, sanctioned by ICSSR, Government College, Nagari.
9. Invited Lecture: **“Herbal medicine-Parkinson’s disease”**  
 National Seminar Plants For Better Human Health, Sponsored By Indian Council Of Medical Research, New Delhi, Science And Engineering Research Board, New Delhi. Organized By Department Of Botany, Telangana University, Dichpally, Nizamabad, T.S.(2016)
10. Invited Lecture: **A long story of evolution – saga of biodiversity - with particular references to Paleozoic era**  
 “Socio-economic factors on environmental pollution biodiversity, and sustainable development” from 25-26th, July 2015, sanctioned by UGC, Government College, Nagari.
11. Plenary talk: **“Overview of Parkinson’s disease”**,  
 National Seminar on "Molecular and Genetics Basis of Neurological Disorders" sponsored by UGC during 19th & 20th December, 2014. Government College, Sullurupeta.
12. Invited as Master trainer of Human values and professional ethics, HVPE for Degree College Lecturers ,Human Value Cell, P.V.K.N Degree College, Chittoor, 2013
13. Invited as Master trainer of Human values and professional ethics, HVPE for Degree College Lecturers ,Human Value Cell, P.V.K.N Degree College, Chittoor, 2013

## PUBLICATIONS

### RESEARCH ARTICLES PUBLISHED

1. G. Tirumala Vasu Deva Rao and G. Swathi (2023). Impact of Mercury on Health: A Comprehensive Review on its Consequences, International Journal of Environmental Sciences 12(3):46-52. DOI: 10.13140/RG.2.2.27283.25124
2. Giddakindha Manikyam, Gunduluru Swathi. A Study on Indian Painted Frog with Particular Reference to it’s Declination in Pachikapallam, Andhra Pradesh, India. Curr World Environ 2023;18(1). DOI:http://dx.doi.org/10.12944/CWE.18.1.33
3. G Manikyam, G Swathi. (2022) Chrysilla volupe spider spotted in Eastern Ghats, India. J Entomol Zool Stud;10(4):151-154.
4. C. Shashank, P. Divakar and Dr. G. Swathi(2022) An investigation on wisdom teeth: age and gender wise differences in eruption/impacted/absence; wjpr.11(8):829-833.
5. G Manikyam, G Swathi. (2021) Antimicrobial activity of cockroach hemolymph. wjpr; 10(4): 1224-1227.
6. C. Samson Raju and G. Swathi (2020) Alteration of Energy Metabolism in Sodium Selenite Induced Rat Model. International Journal of Pharmacy and Biological Sciences. 10(4): 72-76.
- 7.
8. Ch Venkataramaiah, **Swathi Gunduluru** and W Rajendra (2018) Morris water maze – A benchmark test for learning and memory disorders in animal models: A review Asian Journal of Pharmaceutical and Clinical Research 11(5):25-29.

9. G. Tirumala Vasu Deva Rao and **G. Swathi** (2018). Impact of fertilizer consumption with particular reference to the yield of rice and sugar cane in Andhra Pradesh, India. *World Journal of Pharmaceutical Research*, 7(3)1080-1087.
10. **Swathi Gunduluru**, Venkata Ramaiah Chintla and Rajendra Wudayagiri (2017). Protective role of Bacopa monnieri against Rotenone induced disease in PC 12 cell lines, *International Journal of Phytomedicine* 9 (2), 219-222.
11. Dr. P. Manohar and **Dr. G. Swathi**, (2017). Bioaccumulation of Cadmium and Lead Content In Selected Fish Organs: A Risk Assessment Study In Water Bodies Of Srikalahasti, *World Journal of Pharmaceutical Research*, 6(8), 1534 -1538.
12. Dr. P. Manohar and **Dr. G. Swathi**, (2017). Heavy Metal Concentration Analyses In The Fishes Of Urundhur Waters Of Srikalahasti, Andhra Pradesh, *World Journal of Pharmaceutical Research*, 6(8), 1878-1883.
13. Paturu Suseela, **Gunduluru Swathi** and Wudayagiri Rajendra (2017). Protective role of different extracts of Bacopa monnieri on Protein and free amino acid metabolism during Pentylentetrazole- induced epilepsy. *International Journal of Pharmaceutical Science and Health Care*, 7(2), 21-30.
14. Dr. M. Sharmila and **Dr. G. Swathi**, (2017). Influence Of Age And Tread Mill Exercise on Tissue Protein Profiles. *World Journal of Pharmaceutical Research*, 6(2), 1182-1189.
15. **Dr. G. Swathi** and G.Tirumala vasu deva rao, (2016). Loss Of Biodiversity: Impact On Medicinal Plants, *International Journal of Pharmacology and Pharmaceutical Sciences*, 3(5)
16. G. Tirumala Vasu Deva Rao and **G. Swathi** (2018). Impact of fertilizer consumption with particular reference to the yield of rice and sugar cane in Andhra Pradesh, India. *World Journal of Pharmaceutical Research*, 7(3)1080-1087. (IF: 7.523).
17. **Swathi Gunduluru**, Venkata Ramaiah Chintla and Rajendra Wudayagiri (2017). Protective role of Bacopa monnieri against Rotenone induced disease in PC 12 cell lines, *International Journal of Phytomedicine* 9 (2), 219-222. (IF: 1.06)(ICV= 6.89)
18. Dr. P. Manohar and **Dr. G. Swathi**, (2017). Bioaccumulation of Cadmium And Lead Content In Selected Fish Organs: A Risk Assessment Study In Water Bodies Of Srikalahasti, *World Journal of Pharmaceutical Research*, 6(8), 1534 -1538. (IF: 7.523). UGC Si.no 47332
19. Dr. P. Manohar and **Dr. G. Swathi**, (2017). Heavy Metal Concentration Analyses In The Fishes Of Urundhur Waters Of Srikalahasti, Andhra Pradesh, *World Journal of Pharmaceutical Research*, 6(8), 1878-1883. (IF: 7.523). UGC Si.no 47332
20. Paturu Suseela, **Gunduluru Swathi** and Wudayagiri Rajendra (2017). Protective role of different extracts of Bacopa monnieri on Protein and free amino acid metabolism during Pentylentetrazole- induced epilepsy. *International Journal of Pharmaceutical Science and Health Care*, 7(2), 21-30. (IF: 3.11).
21. Dr. M. Sharmila and **Dr. G. Swathi**, (2017). Influence Of Age And Tread Mill Exercise on Tissue Protein Profiles. *World Journal of Pharmaceutical Research*, 6(2), 1182-1189. (IF: 7.523). UGC Si.no 47332.
22. **Dr. G. Swathi** and G.Tirumala vasu deva rao, (2016). Loss Of Biodiversity: Impact On Medicinal Plants, *International Journal of Pharmacology and Pharmaceutical Sciences*, 3(5)
23. Visweswari, G., **Swathi, G.**, & Rajendra, W. (2014). Centella asiatica Suppresses the Glutamate Excitotoxicity Occurred due to Pentylentetrazole (PTZ) Induced Epilepsy. *International Journal for Pharmaceutical Research Scholars*, 3(2), 38-47. (IF: 1.0285) issn 2277-7873

24. **Swathi G**, Rajendra W (2014). "Protective Role of *Bacopa monnieri* on Induced Parkinson's Disease with particular Reference to Catecholamine System" *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(7), 379-382. (IF: 5.00) ISSN: 0975 - 1491
25. **Gunduluru Swathi**, Gopalreddygari Visweswari and Wudayagiri Rajendra. (2013). Evaluation of Rotenone induced Parkinson's disease on glutamate metabolism and protective strategies of *Bacopa monnieri*. *International Journal of Plant, Animal and Environmental Sciences*. 3(1); 62-67. (Impact Factor : 1.0280) ISSN 22314490
26. Gunduluru Tirumala Vasu Deva Rao and **Gunduluru Swathi** . (2013). Mental Health Status of Degree College Lecturers Based on Gender and Teaching Experience in Rayalaseema Zone, Andhra Pradesh, India. *Indian Journal Of Applied Research*.3(6) UGC Sr.No.49333 ISSN NO 2249 - 555X
27. **Gunduluru Swathi**, Cherukupalle Bhuvaneshwar and Wudayagiri Rajendra. (2013). Modulation of  $\text{Na}^+/\text{K}^+$ ,  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$  ATPase activity on Rotenone induced Parkinson's disease and protective role of *Bacopa monnieri*. *International Journal of Applied Biology and Pharmaceutical technology*.4(1); 311-317 (IF: 1.2653) ISSN 0976-4550
28. **Gunduluru Swathi**, Cherukupalle Bhuvaneshwar and Wudayagiri Rajendra. Alterations of Cholinergic neurotransmission in Rotenone induced Parkinson's disease: Protective role of *Bacopa monnieri*. *International Journal of Pharmacy and Biological Sciences (IJPBS)* 3(2):286-292(Index Copernicus: 4.72) (IF: 3.125) UGC SR NO. 46322
29. **Gunduluru Swathi**, Kotha Peddanna, Cherukupalle Bhuvaneshwar, Wudayagiri Rajendra. (2013). Antioxidant and Hepatoprotective Effects of *Bacopa monnieri* and *Vinca rosea* against Carbon Tetrachloride ( $\text{CCl}_4$ ) Induced Liver Damage in Rats. *International Journal of Pharmaceutical Sciences Review and Research*, 21(2), Jul – Aug 2013; 61, 342-346(ICV: 5.19)( IF:2.191) ISSN: 0976-044X
30. Paturu Suseela, **Gunduluru Swathi** and Wudayagiri Rajendra (2013). Anticonvulsant Effect Of Different Extracts Of *Bacopa Monnieri* On Cholinergic Metabolism During Pentylentetrazole-Induced Epilepsy. *International Journal of Pharmacy and Biological Sciences* 3(3), 194-200(ICV: 4.72) (IF: 3.125) (IF: 3.125) ISSN:2230-7605 UGC SR NO. 46322
31. Cherukupalle Bhuvaneshwar, **Gunduluru swathi**, Baki Vijaya bhaskar, Tirumalasetty Munichandrababu, Wudayagiri Rajendra (2012) Effective Synergetic Biodegradation of Diesel oil by Bacteria. *International Journal of Environmental Biology*. 2(4): 195-199.(IF:0.56) ISSN 2277386X

### **Publications in Proceedings**

1. Dr. M. Thejo Moorthy and **Dr. G.Swathi** (2014). "A Review on Vinca Rosea-Medicinal Uses". *International Science Congress Association, International E - Publication*. 257-263.
2. Dr. M. Thejo Moorthy and **Dr. G. Swathi**. 2015. Reactive oxygen species: health and disease. *Proceedings of "Socio-economic factors on environmental pollution biodiversity, and sustainable development"* from 25-26th, July 2015, sanctioned by UGC, Government College, Nagari. ISBN:978-93-84659-06-6;315-320

3. .Tirumala Vasu Deva Rao & **G. Swathi**. (2012). Indo - American relationship, with particular reference to trade in a decade. (2002 -2012).
4. G.Tirumala Vasu Deva Rao & **G. Swathi**.2015 Proceedings of "Socio-economic factors on environmental pollution biodiversity, and sustainable development" from 25-26th, July 2015, sanctioned by UGC, Government College,Nagari. ISBN:978-93-84659-06-6; 396 -400
5. **Dr.G.Swathi**. 2015. In vitro Antimicrobial activity of ethanolic extract of Bacopa monnieri with selected bacteria. . Proceedings of "Socio-economic factors on environmental pollution biodiversity, and sustainable development" from 25-26th, July 2015 , sanctioned by UGC, Government College,Nagari. ISBN:978-93-84659-06-6;414 -418.
6. **Dr. G. Swathi**, Phytochemical analysis of Bacopa monnieri Proceedings of UGC National Seminar on "Recent Trends In Life Sciences 2014"August 7th & 8th2014 ISBN:978-93-84648-46-6 .

**Seminars/Conferences/Symposiums/Workshops – Attended/Paper Presented :**  
**48**

**DECLARATION**

I declare that the details furnished in this biodata are true to the best of my knowledge.

Place: Tirupati

Date: 15-10-2023.

**(G.SWATHI)**