



GOVERNMENT DEGREE COLLEGE, VIZIANAGARAM
(Affiliated to Andhra University)

Stadium Road, Jonnaguddi Area, Vizianagaram Town, AP-535002



PERSONAL PROFILE

- ❖ Name : **Dr. P. R. Vani**
❖ Designation : Lecturer in Zoology
❖ Email-id : vaniprupa@yahoo.co.in
❖ Phone No : 9866886992
❖ Qualification : M.Sc. (Gold Medalist), M. Phil.,
Ph.D., NET, GATE, SLET
❖ Joining in service: 26th December 2011
❖ Total Service : 17 years



Academic Qualifications:

Year	Degree	Board / University	Class / Div.
2010	Ph.D. (Zoology) Toxicology	Andhra University	Awarded
1998	M.Phil. (Zoology) Cancer Cytogenetics	University of Burdwan	A - Grade
1996	M.Sc (Zoology) Spl.: Cytology & Molecular Genetics	University of Burdwan	I st Class I st (Gold Medallist)
1994	B.Sc. (Zoology Hons)	University of Burdwan	I st Class
1991	Higher Secondary	W.B. Board of Higher Secondary Education	I Div.
1989	I.C.S.E.	Council for the Indian School Certificate Exam., New Delhi	I Div.

Research Details :

- **Title of M. Phil. Dissertation:** Mitomycin C - induced bone marrow cytotoxicity in mouse and its modulation using reduced glutathione
- **Title of Ph.D Thesis:** Toxic influence of sublethal copper on postlarvae of *Penaeus indicus*

Academic Accolades:

- 1) **Reviewer** for International journal (Environmental Science and Pollution Research), Springer-nature publishers Reviewed 2 publications : <https://publons.com/researcher/3403864/rupa-vani-paila/>
- 2) **Editorial Board member and Reviewer** of International Journal of Ecotoxicology and Ecobiology
- 3) **Reviewer** for Dr. BR Ambedkar Chair, Andhra University, National Conference on Design Thinking, 7/8/2023
- 4) **Recognized Research Guide of Andhra University with 2 Research Scholars**
- 5) **Member** of Board of Studies, Department of Zoology, Maharajah's College (A), Vizianagaram, 2019-22.
- 4) **Lesson writer** for 13 chapters of II and III years B.Sc (CBZ) Zoology, Paper II & Paper III, School of Distance Education, Andhra University. 2018 & 2019 respectively.
- 5) **Lesson Writer** for 5 chapters of B.Sc. 3rd Semester, Zoology Bilingual Text Book of AP State Council of Higher Education.
- 6) **E-Content Developer** for CCE, AP
- 7) **Podcaster** for APSCHE
- 8) **Member**, Subject Expert Committee in Zoology for **APSCHE**

Accolades of Merit:

- Recipient of the **University Gold Medal**, having been placed First in First Class in M.Sc. Examination, 1996 in Zoology from the University of Burdwan
- Qualified **GATE '98** in Life Sciences
- Qualified **W.B. SLET '98** in Life Sciences
- Qualified **CSIR - NET '04** in Life Sciences
- Recipient of the **Best Poster Presenter Award** in the "95th Indian Science Congress", Andhra University, Visakhapatnam, January 2008.
- Recipient of the '**Late Dronavalli Madhusudhana Rao cash prize**' for best poster presentation in the National seminar on emerging trends in Biology held in Acharya Nagarjuna University, Guntur, during October 2008.

- Recipient of '**Prof. P. Kameswara Rao award**' for best poster in " XI- AZRA conference of Biodiversity, conservation and management of Bioresources" held in Dept. of Zoology, Andhra University, Visakhapatnam, October 2009.

Employment Details:

- Date of joining into service : 26-12-2011
- First place of posting : GDC, Sabbavaram, Visakhapatnam District
- Second place of Posting : Dr. VS Krishna GDC (A), Visakhapatnam
- Present working station : GDC Vizianagaram Town

Research IDs:-

Vidwan ID:

76313

Orcid ID:

0000-0001-6197-1343

Google Scholar ID:

<https://scholar.google.com/citations?hl=en&authuser=2&user=nX0hjW8AAAAJ>

Publons ID:

<https://www.webofscience.com/wos/author/rid/AAE-7778-2020>

Institutional Responsibilities:

- Academic Coordinator
- Coordinator, ICC.
- Member, Eco-club
- Member, Admissions Committee

MOOCs Courses / e-Content Development

- NPTEL 12-week online **SWAYAM MOOCs course** in "Animal Physiology" with a consolidated score of 80% conducted during Sep – Dec 2020
- NPTEL 12-week online **SWAYAM MOOCs course** in "Cell Biology" with a consolidated score of 78% conducted during May – Aug 2020
- Prepared 7 **LMS videos** in 4-quadrant method for CCE-LMS website (<https://www.ccelms.ap.gov.in>) in Zoology subject
- Prepared 2 **PODCASTS** in Zoology for APSICHE-CCE Website
- Two you-tube videos prepared:
 - 1) https://youtu.be/083R6Xv_pUc (May 2020)
 - 2) https://youtu.be/083R6Xv_pUc (May 2020)

Refresher / Training / Orientation programmes / FDPs attended/Resource

Person: 35

1. Participated in “6th **Contact Programme in Molecular Biology**” Cytogenetics Laboratories, Dept. of Zoology, Banaras Hindu University, Varanasi, June 24, 1996 to July 5, 1996. Trained in cytogenetics, recombinant DNA & cell biology techniques. (12 days).
2. 6 – Day **Induction Training Programme** for Newly Recruited GDC Lecturers organized by CCE, AP, held at Government Degree College (A), Rajahmundry, 26th-31st Dec 2011.
3. UGC Sponsored **Orientation Course** organized by Academic Staff College, Andhra University, Visakhapatnam from 23-07-2012 to 19-08-2012 (4 weeks).
4. 6 – Day **Training Programme** for Newly Recruited Lecturers in Government Degree Colleges of Zone – I organized by CCE, AP, held at Dr. V.S. Krishna Government Degree College (A), Visakhapatnam, 23rd-28th Feb 2013.
5. UGC Sponsored Inter Disciplinary **Refresher Course** in Human Rights organized by Academic Staff College, Andhra University, Visakhapatnam from 08-03-2013 to 28-03-2013 (3 weeks).
6. UGC Sponsored Inter Disciplinary **Refresher Course** in Environmental Science organized by Academic Staff College, Andhra University, Visakhapatnam from 24-01-2014 to 13-02-2014 (3 weeks).
7. **STEM-Teacher training workshop** on Research Based Pedagogical Tools organized by IISER Pune, held at Kochi, Kerala from 11-10-2017 to 14-10-2017 (4 days).
8. **Short-term Course on Computer Applications** conducted by UGC-HRD, Andhra University, Visakhapatnam from 8-10-2018 to 14-10-2018. (1 week)
9. **Faculty Development Programme** on “Recent Advances in r-DNA Technology and Immunodiagnosics (RADI-2018), jointly organized by Dept. of Life Sciences, M.R.P.G. College and Dept. of Zoology, M.R.(A) College, Vizianagaram on 22nd and 23rd December, 2018.
10. UGC Sponsored **Refresher Course** in Life Science organized by Academic Staff College, Andhra University, Visakhapatnam from 18-09-2019 to 01-09-2019 (2 weeks).
11. **One - week online Faculty Development Program** on Moodle-Learning Management system organised by KLSVD Institute of Technology, Haliyal in association with IIT Bombay Spoken Tutorial,MHRD, GoI, from 4th – 8th May 2020

12. **5-day Online FDP in Zoology** on New Knowledge in Animal Sciences – Emerging Technologies in Molecular Biology from 6th – 10th July, 2020 organized by Commissionerate of Collegiate Education, Government of Andhra Pradesh
13. **5-day Online FDP in LMS Video and Pedagogy** on from 3rd – 7th August, 2020 organized by Commissionerate of Collegiate Education, Government of Andhra Pradesh
14. **3-day FDP & Training Programme** on PODCAST held from 12th – 14th August, 2021 by Andhra Pradesh State Council of Higher Education and Commissionerate of Collegiate Education, Government of Andhra Pradesh,
15. **Evaluator for 29th National Children’s Science Congress – 2021**, organized by AP State Council of Science & Technology (APCOST) at State –Level Competitions in December 2021 at SFS School, Seetammadhara.
16. **Seminar on “ Monitoring the transient Tiger in Andhra Pradesh”** on 29th July 2022 on the occasion of International Tiger Day organized by India Gandhi Zoological Park, Visakhapatnam.
17. **5-Day Residential Training Programme for Teachers on Content Delivery and Assessment Methods pertaining to Skill Courses for 3rd Semester in Poultry Farming** held from 2nd Nov. to 6th Nov, 2022 organized by Commissionerate of Collegiate Education, Government of Andhra Pradesh.
18. **2- Day International Seminar on “ New trends in Commerce & Management, Education & Employment”** from 24-01-2023 to 25-01-2023 organised by the Department of Commerce, Dr. V. S. Krishna GDC (A), Visakhapatnam.
19. **3-day FDP & Training (ToT) Programme** on Internship/Apprenticeship Management and Learning Management System held from 30th January to 1st February 2023 organised by Dr. V. S. Krishna GDC (A), Visakhapatnam in association with Andhra Pradesh State Council of Higher Education and Commissionerate of Collegiate Education, Government of Andhra Pradesh.
20. **Evaluator for District Level Science Exhibition - 2023** held at KDMP High School, Chinna Waltair Visakhapatnam from 14th February to 15th February 2023, organized by Department of School Education, Visakhapatnam District
21. **2- Day Workshop on “Women & STAEM”** on 11th & 12th April 2023 at American Corner, Andhra University, Visakhapatnam.
22. **6-Day ToT, FDP on English Medium of Instruction, Proficiency in English** at NRC, Dr. V. S. Krishna GDC, Visakhapatnam (A) from 5th June to 10th 2023,

organised by the Commissionerate of Collegiate Education, Government of Andhra Pradesh.

23. **Organizing Chair for 1st National Conference on Design Thinking Transdisciplinary Challenges & Opportunities** organised by Dr. BR Ambedkar Chair, Andhra University, Visakhapatnam on 7th & 8th July 2023.
24. **Invited Talk on 'The role of science in daily life' at Jawahar Navodaya Vidhyalaya, Kommadi** on 25th July 2023 in connection with Role Model Interaction as a part of Vignana Jyoti - Phase IV- 2023-24.
25. **2-weeks UGC Sponsored IDRC in Environmental Sciences** from 11-9-2023 to 24-9-2023 conducted by UGC-HRD, Andhra University, Visakhapatnam.
26. **1-Day ToT, FDP on UNESCO-MGEIP SEEK & SEL certificate course** on 24-01-2024, at GDC Cheepurupalli organised by the Commissionerate of Collegiate Education, Government of Andhra Pradesh.
27. **National Seminar on "Tailoring Stem Cells for Corneal Regeneration"** held at Department of Biotechnology, GITAM School of Technology, Visakhapatnam on 29th Sep, 2023.
28. **Session Chair for 2-Day National Conference** on "Recent Advances in Biological Sciences" organized by Department of Biochemistry, St. Joseph's College for Women (A), Visakhapatnam from 26th to 27th July, 2024.
29. **3-Day workshop for the subject expert committees** for drafting of the Model Syllabus of Conventional Degree Programmes w.e.f A.Y.2025-26 as member, subject committee in Zoology held from 25th to 27th July 2025, organised by Andhra Pradesh State Council of Higher Education, Mangalagiri at ANU, Guntur.
30. **2-Day National workshop on PCR-Based Techniques** organized by Departments of Biochemistry & Biotechnology, St. Joseph's College for Women (A), Visakhapatnam in collaboration with HigenoMB from 22nd -23rd August 2025.
31. **Resource Person for Panel Discussion on 'World Ozone Day- from Science to Global Action'** organized by Biology Association in collaboration with AICUF-Ecology Commission & Dept. of Zoology, St. Joseph's College for Women (A), Visakhapatnam on 19th September, 2025.
32. **3 - Day workshop for Drafting of the model syllabus** of conventional degree programme w.e.f. A.Y. 2025-26 organised by Andhra Pradesh State Council of Higher Education (APSCH), Vijayawada from 25th - 27th July 2025.

33. 3-Day residential Training Programme on “Sexual Harassment of Women at work place” organized by APHRDI, Visakhapatnam in association with DOPT, GoI from 24th – 26th February, 2026.
34. 5-Day FDP on “Empowering Educators: ICT, Digital Teaching and Career readiness” organized by SVLNS Govt. Degree College, Bheemunipatnam from 17th - 21st February 2026.
35. 15 – Days FDP on “Domain specific Artificial Intelligence” organized by CCE in association with ExcelR from 23rd February – 14th March, 2026.

Research Publications:

1. Paila Rupa Vani and Yallapragada Prabhakara Rao (2010). Bioaccumulation and toxic effects of copper on growth and oxygen consumption by the postlarvae of *Penaeus indicus*. **Chemistry and Ecology**, 26 (3): 209-221. E-ISSN: 1029-0370; P-ISSN: 0275-7540. **Publishers : Taylor & Francis.**
2. Rupa V. Paila and Prabhakara R. Yallapragada (2011). Antioxidant responses and Lipid peroxidation of *Penaeus indicus* postlarvae subjected to sublethal copper exposure. **Crustaceana**. – 84 (10): 1197-1210. P-ISSN: 0011-216x; E-ISSN: 1568-5403. **Publishers : Brill.**
3. Paila Rupa Vani, Yallapragada Prabhakara Rao and Samuel David Raj Thatipaka (2012). Response of glutathione system and carotenoids to sublethal copper in the postlarvae of *Penaeus indicus*- **Ecotoxicology and Environmental Safety**, 75:127-132. E-ISSN: 0147-6513; **Publishers: Elsevier**
4. P. Suman, T. Samuel David Raj, P.R. Vani and Hara Sreeramulu (2018). DNA Barcoding and Biological Assessment on a few mangrove plant species of Visakhapatnam coast, Andhra Pradesh, India. **International Journal of Pharmaceutical Sciences and Research**, 9(2):795-818. E-ISSN: 0975-8232; P-ISSN: 2320-5148. **Publisher: IJPSR**
5. Samuel David Raj Thatipaka, Rupa Vani Paila, Suman Polaki (2020). Copper-induced oxidative stress and biomarkers in the post larvae of *Penaeus indicus*. **Environmental Science and Pollution Research**, Vol. 27: 29612 – 29622. DOI 10.1007/s11356-020-08876-0. **Publisher: Springer**
6. Kollana Y. Ramkumar*, Samuel David Raj, P. Suman, P. Rupa Vani, S. Hara Sreeramulu (2020) Studies on nutritional evaluation and secondary metabolites of some selected curcuma species collected from eastern ghats of Udayagiri hills, Gajapathi district, Odisha. **European journal of Biomedical and Pharmaceutical Sciences**, ISSN 2349-8870, ejbps, 2020, Volume 7, Issue 12, 276-281.

7. K. Sugunavathi, P.Rupa Vani and T. Samuel David Raj (2023). Food Preponderance Index and Feeding Habit of *Macrognathus pancalus*, (Hamilton, 1822) from Kotpally Reservoir Vikarabad District, Telangana State, India. **Uttar Pradesh Journal of Zoology**, Vol. 44, Issue 20, 110-119. ISSN: 0256-971X (P), NAAS Score: 5.24
8. Sugunavathi K and Rupa Vani P. (2024). Assessment of Physiochemical parameters using the water quality index of Kotpally Reservoir, Vikarabad District, Telangana State, India. **International Journal of Zoological Investigations**, Vol, 10, No. 2, 773-784.
9. Suman Polaki, Samuel David Raj Thatipaka, Rupa Vani Paila (2025). Impact of sublethal copper exposure on *Penaeus indicus* post-larvae: biochemical and proteomic insights. *Aquaculture International*, Vol. 33, Issue 16, <https://doi.org/10.1007/s10499-024-01705-y>. Publisher: **Springer Nature**, Corpus ID: 273948285
10. Suman Polaki, Sravani Mereddy, Vani Rupa Paila, Samuel David Raj Thatipaka, Teja sree Donthala, Devisri Gayatri Kotha, Susmitha Reddy Gudimetla (2026). Comparative multi-metal binding, structural toxicity and network based functional analysis of stress-responsive proteins in *Penaeus indicus*. *Biological Trace Element Research*. Publisher: **Springer Nature**. <https://doi.org/10.1007/s12011-026-05009-5>.

Reviewer:

- ❖ **Reviewer** for International journal (Environmental Science and Pollution Research), Springer-nature publishers

Reviewed 2 publications : <https://publons.com/researcher/3403864/rupa-vani-paila/>

- ❖ **Editorial Board member** for International Journal for Ecotoxicology & Ecobiology, Science Publishing Group.

Reviewed 1 publication

Computer Skills :MS Office, Power point, C, C++, JAVA, ORACLE with D2K, Unix

Languages Known : English, Telugu, Hindi, Bengali