**CURRICULUM VITAE**

**Dr. T. SAMUEL DAVID RAJ**

**Lecturer in Zoology**

**Dr. V.S. Krishna Govt. Degree & P.G. College (A)**

**Visakhapatnam**

**Email: *haisamhai @ yahoo.com***

**Father’s Name** : **T. DAVID RAJ**

**Contact No.** : 8897992401

* **Academic Qualifications:**

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| **Year** | **Degree** | **Board / University** | **%** **of**  **Marks** | **Class / Div.** |
| 2005 | **Ph.D.** (Zoology)  Physiology | Andhra University | - | Awarded |
| 1998 | **M.Phil**. (Zoology)  Nutrition | Andhra University | 72.8 | Distinction |
| 1994 | **M.Sc** (Zoology)  Spl.: Physiology | Andhra University | 71.5 | Distinction |
| 1992 | **B.Sc** (C. B.Z.) | Andhra University | 70.4 | Distinction |
| 1989 | **Intermediate** | Board of Intermediate Education | 72.6 | I Div. |
| 1987 | **S.S.C.** | Board of Secondary School Education | 80.5 | I Div. |

* **GOVERNMENT SERVICE (18 years** till date)
  + Junior Lecturer in Govt. Junior Colleges – 2002-2007 (5 ½ yrs)
  + Sub Registrar of Assurances (Grade II) in Registration Deprt. – 2007-2008
  + Degree College Lecturer in Govt. Degree Colleges – 7-7-2008 to till date
* **SCHOLASTIC ACHIEVEMENTS:**

1995 : Passed in **NATIONAL ELIGIBILITY TEST (NET)**

1992 : Selected for **MCRDO** post under Group II A services

1994 : Selected for **Fishery Inspector** post

2002 : Selected for **Junior Lecturer** post by APPSC

2003 : Selected for the post of **Deputy Tahsildar**, under Group II services

2007 : Selected for the post of **Sub- Registrar**, under Gr II services by APPSC

2008 : Selected for the post of **Lecturer** in Govt. Degree Colleges by APPSC

2014 : **Research Guide** in **Biotechnology** for Research Centre in Dr. V.S.

Krishna Govt. Degree & P.G. College (A), Visakhapatnam

2022 : **Research Guide in Zoology**

**Others** :

* Got University 7th Rank in M.Sc. Zoology from Andhra University
* Stood State 4th Rank in Andhra University Research Common Entrance (AURCET) Test held in 1995
* Stood State second in Degree College Lecturers Recruitment conducted by APPSC in 2007
* Best JKC award in 2013 and 2015 given by Commissioner of Collegiate Education, A.P.
* Academic Accolades:
* Reviewer for International journal (Environmental Science and Pollution Research), Springer-nature publishers
* Member of Board of Studies, Department of Zoology, Andhra Loyola College, Vijayawada, 2019-21.
* Lesson writer for II and III years B.Sc (CBZ) Zoology, Paper II & Paper III, School of Distance Education, Andhra University. 2018 & 2019 respectively.
* Lesson writer for AP State Council of Higher Education during 2022-23
* e-Content Development
* Completed 6-day training at NIT, Warangal on OER, Content Development, MOOCs and MOODLE organized by E & ICT, NIT-Warangal, CCE and APSCHE from 30-11-2018 to 5-12-2018.
* Prepared 7 LMS videos in 4-quadrant method for CCE-LMS website (<https://www.ccelms.ap.gov.in>) in Zoology subject.

**MOOCs Courses**:

* Completed Swayam Arpit Online Course Certification for CAS promotion on “Advances in Animal Diversity, Systematics and Evolution with the proctored examination held on 30-3-2019.
* NPTEL 12-week online MOOCs course in “Animal Physiology” with a consolidated score of 80% conducted during Sep – Dec 2020
* 12-Week Online Swayam MOOCs course on “Cell Biology” with a consolidated score of 72% conducted during June – August, 2020
* **Faculty Development Programmes attended:**
* One - week online Faculty Development Program on Moodle-Learning Management System organized by KLSVD Institute of Technology, Haliyal in association with IIT Bombay Spoken Tutorial, MHRD, GoI, from 4th – 8th May 2020
* 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
* 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.
* 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.

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| **Research**  **Stage** | **Title of work/Theses** | **University where the work was carried out** |
| **M.Phil.**  **1998** | **Nutritive Value of Commercial Crustaceans** | Andhra University |
| **Ph.D.**  **2010** | **Reproductive Behaviour of the Mud crab**  ***Scylla oceanica (Dana)*** | Andhra University |
| **Research Guidance** | 1. Mr. P. Suman – M. Phil awarded in Biotechnology (2016) 2. Mr. B. Narasinga Rao – M. Phil awarded in Biotechnology (2017) 3. Mr. P. Suman –Ph.D. awarded in Biotechnology (2019) 4. Miss. T. Saroja - Ph.D. awarded in Biotechnology in 2022 5. Mr. K. Ramkumar - Ph.D. awarded in Biotechnology in 2022 6. Mrs. K. Soujanya - Ph.D. awarded in Biotechnology in 2022 | Centre for Research, Dr. V.S. Krishna Govt. Degree College (A), Visakhapatnam |
| **Training** | 1. Foundation Training for Group II Services organized by MCRHRD, AP, Jan, 2008. 2. Train The Trainer programme as part of “Project Genesis” conducted by Infosys BPO Ltd. At Hyderabad on 25th Sep. 2010 – 3rd Oct. 2010. 3. Skill Mission Induction Programme held by Govt. of Andhra Pradesh at Indian School of Business, 18th – 19th March 2015. 4. STEM Teacher Training Workshop on Research-Based Pedagogical Tools (Level 1) held from 2th Feb – 1st Mar 2017. | MCRHRD, Hyd, AP  Infosys, Hyd  ISB, Hyd  IISER, Pune |

* **Research Projects carried out**

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| **Title of the**  **Project** | **Name of the**  **funding Agency** | **Duration** | **Remarks** |
| Biomarkers to heavy metal toxicity in Cultivable Crustacean | UGC | 2 years | Completed |

* **Refresher/Orientation Programmes Attended:**

1. UGC Sponsored Orientation Course organized by Academic Staff College, Andhra University, Visakhapatnam from 23-07-2012 to 19-08-2012 (4 weeks).
2. 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).
3. 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).

* **Research Publications**:

1. Soujanya Ketha1, Samuel David Raj1, Godi Sudhakar (2022). Phylogenetics And Homology Modeling Studies of Beta-Secretase 1- An *in Silico* Approach to Therapeutic Target for Alzheimer's Disease. Glacier Journal of Scientific Research – March 2022, Issue 1, Volume 1.
2. Saroja T., T. Samuel David Raj., Prabhakara Rao K and Balaji Chandra Mouli (2021). *Insilico* analysis of cyp82e gene involved in demethylation of nicotine in tobacco – **International Journal of Recent Scientific Research**, 12-1(A): 40445-40450
3. 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, DOI 10.1007/s11356-020-08876-0. Publisher: Springer**
4. 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, 7 (12):276-281.
5. T. Saroja, K. Prabhakara Rao, K. Sarala, T. David Samuel Raj and D. Damodar Reddy (2019). Expression analysis of cyp82e genes associated with tsna in n. Attenuata data hub - Tobacco Research 45 (2) : 75 – 80.
6. 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**
7. P. Suman, R. Sailaja, KY Ramkumar, T. Samuel David Raj and S. Hara Sreeramulu (2015). Anti-Diabetic Polysaccharide from *Sonneratia alba*, Mangrove pant of Coastal regions of Andhra Pradesh. European Journal of Biomedical and Pharmaceutical Sciences 2 (4) /: 770-776.
8. 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.

* **Books Authored and Published:**
  + One of the authors in a multi-authored ZOOLOGY text book published by School of Distance Education, Andhra University, Visakhapatnam and compiled 4 chapters during 2017-18, 2018-19 and 2019-20
  + One of the authors in a multi-authored Zoology text book of Board of Intermediate of Education during 2017-18
* **Subjects /General Articles Published in Magazines:**
  + Compiled “Current Affairs” Book for Sri Anu Pubications, Guntur (2012-13)
  + Compiled “Current Affairs” Book for Sri Anu Pubications, Guntur (2013-14)
  + Compiled Disaster Management part of General Studies book published by Sri Anu Publications, Guntur (2013)
* **Number of times acted as resource person in seminars, workshops, training programmes**:
  1. Acted as Rapporteur for one session in the National Seminar on “Green wealth for Global Health” conducted by Department of Botany, Dr. V.S. Krishna Government Degree College (A), Visakhapatnam in 15th-16th Feb., 2017.
  2. Guest Lecture on Innate Immunity at Department of Zoology, SRR & CVR GDC (A), Vijayawada on 30-12-2019.
* **Seminars Organized as Coordinator: 02**

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| Sl. No. | Title of the Seminar | Status | Sponsoring agency& Collaborating Organization | Date |
| 1. | National Workshop on Digital Alternatives to Dissections | Convener | MGDC, BDU, Thiruchirapally, Chennai & UGC | 9-1-2015 |
| 2. | The Impact of Socio-economic and Political development on Environment and Biodiversity | Organizing Committee Member | UGC & HPCL | 28-2-2015 |

* **Innovations/Contributions in Teaching** 
  1. Design of Curriculum
* Acted as HoD of Zoology Department and BOS member for framing of zoology syllabus for BSc course in the Department of Zoology, Dr. V.S. Krishna Govt. Degree College (A), Visakhapatnam since 2013
* Acted as BoS member for framing Zoology syllabus for BSc course in Dept. of Zoology, M.R. College (A), Vizianagram.
* BoS member for framing Zoology syllabus for BSc course in Dept. of Zoology, St. Joseph’s College (W), Visakhapatnam.
* BoS member of Zoology for BSc Course in Andhra Loyola College, Vijayawada during 2019-20, for two years
* Lesson writer in Zoology for AU school of distance education since 2017.

1. **Extension Work/Community Service**

* Coordinator of Youth Red Cross in Dr. VSKGDC (A), Visakhapatnam during 20115-17 and in GDC, Araku during 2017-18
* NSS Programme Officer in GDC, Araku during June 2017 to May 2018
* JKC Coordinator for 7 years in GDC, Yellamanchili and Dr. VSKGDC (A), Visakhapatnam
* JKC Chief Co-ordinator at Commissionerate of Collegiate Education, Govt. Of A.P., Vijayawada
* NSS Programme Officer at Dr. V.S. Krishna Government Degree College (A), Visakhapatnam from Dec 2021 to till date.

* **Computer Skills:** MS Office, Power point, Photoshop, Video-Making, Podcasting,

Video-Editing.

* **Languages Known:** English, Telugu, Hindi

## (Dr. T. SAMUEL DAVID RAJ)

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