

Dr. PARIKIPANDLA SRIDEVI

Date of Birth: 18th June, 1981

Address: Dept of Biotechnology, Faculty of Science,
Central Tribal University of Andhra Pradesh,
Kondakarakam, Vizianagaram, AP. 535003 India.

E-Mail: psridevi@ctuap.ac.in, devi.shri45@gmail.com

Mob. No: +919630036673, +919848376600



Current designation (Since Dec-2022): Associate Professor and HoD, Department of Biotechnology, Central Tribal University of Andhra Pradesh, Vizianagaram, AP, India.

Research Interests: Clinical and Molecular biology, Public health (Specifically working on infectious and non-infectious diseases, morbidity and mortality related to health in tribal area).

Professional Experience

- **Associate Professor (Dec 2022):** Department of Biotechnology, Central Tribal University of Andhra Pradesh, Vizianagaram, AP.
- **Assistant Professor (Mar 2016 - Dec 2022):** UG and PG, PhD teaching cum research, Department of Biotechnology, Indira Gandhi National Tribal University, Amarkantak, MP.
- **Post-Doctoral Fellow (Apr 2012- Mar 2015):** UGC- Dr. D. S. Kothari postdoctoral fellow Proteomics approach for nanoparticle mediated drug delivery in HIV infection: Dept. of Biotechnology& Bioinformatics, University of Hyderabad, India.
- **Doctor of Philosophy (Aug 2006-Nov 2011):** Molecular and Reproductive Endocrinology; Involvement of brain aromatase, *FTZ-F1* and *FOXL2* in catfish ovarian development and recrudescence. Dept. of Animal Sciences, University of Hyderabad, India.
- **Master's Level project dissertation (May 2004 to July 2005):** Detection & validation of single nucleotide polymorphisms in Leptin receptor gene Institute of Genomics and Integrative Biology (IGIB), New Delhi, India.

Research Projects:

- Principal investigator in minor project entitled “**Prevalence of Human Papilloma Virus (HPV), Distribution of HPV, Serotypes in Anuppur District of MP**” sponsored by MP Council for Science & technology. Duration: **Mar 2018 to Dec 2021** at IGNTU, Amarkantak (Funding: 7.7L).
- Principal investigator in National Task Force major project entitled “**Improving the Capacity of Health System and Community for Sickle Cell Disease Screening and Management: An Intervention Study in Anuppur district, MP.**” sponsored by Indian Council for Medical Research, (ICMR). Duration: **June 2019 to June 2022**. IGNTU, Amarkantak. (Funding: 80 L).
- Co-Principal Investigator in major project entitled “**COVID-19 vaccine acceptance and uptake: An implementation research among tribal, rural and urban communities in selected districts of four Indian states**” funded by ECD division of ICMR. Location: IGNTU, Amarkantak. Duration: Jan 2022 to March 2023. (Funding: 1.1 Cr).
- Mentor for Senior research fellowship entitled “**Socio-demographic correlates of cervical cancer risk factor knowledge and preventive measures after screening for Human Papilloma Virus (HPV) infection among women of Anuppur district, MP**” sponsored by ICMR. Location: IGNTU, Amarkantak. Duration: Dec 2020 to Dec 2022. (Funding: 12 L).
- Principal investigator in National Task Force major project entitled “**Sickle cell disease-related stigma, economic loss and quality of life among the tribal population of India – ASR district, Andhra Pradesh.**” Funded by ICMR. Duration: Feb 2023 to Aug 2026 (Funding 80L).

PhD Thesis guided:

- **01:** Miss. Bharti gupta (Enrolment no: 17163001) "Molecular Detection, Screening and Prevalence of High-Risk HPV Serotypes in Tribal District of MP" PhD awarded on 23-08-2022.
- **02:** Under supervision Mr. Dharendra kumar (Enrolment No. 2001362001) Clinical profiling and molecular study of complications associated with sickle cell disease and other haemoglobinopathies in Central India. Registration date: Feb 2021

List of Peer-Reviewed Publications

1. Sharma Y, **Sridevi P**, Bhat D, Surti SB, Sarmah J, Sudhakar G, Ranjit M, Babu BV. Access to Healthcare Among Tribal Population in India: A Cross-Sectional Household Survey. *Int J Health Plann Manage*. 2025 Mar 11. Epub ahead of print. doi: 10.1002/hpm.3924. IF 2.7.
2. Surti, S.B., Patel, S., Sharma, Y. **Sridevi P**, Bhat D, Sarmah J, Sudhakar G, Ranjit M, Babu BV Cross-Cultural Adaptation, Reliability and Validity of MOS Short Form Health Survey (SF-36) in Sickle Cell Disease Patients in India. *Indian J Hematol Blood Transfus* (2025). <https://doi.org/10.1007/s12288-025-01992-2>. IF.1.0
3. Gupta B, **Sridevi P**. Knowledge, Attitude and Practices towards Cervical Cancer and its Screening Among Women from Tribal Population of Anuppur District. *J Prev*. 2024 Nov 23. doi: 10.1007/s10935-024-00813-y. Epub ahead of print. PMID: 39578350. IF 2.8
4. Bhat, D, Sharma, Y., **Sridevi, P**. et al. Indian Council of Medical Research (ICMR)–Sickle Cell Disease (SCD) Stigma Scale for India (ISSSI): A Protocol for Scale Development. *J. Racial and Ethnic Health Disparities* (2024). <https://doi.org/10.1007/s40615-024-02228-1>. IF 3.9
5. Sharma Y, Bhat D, **Sridevi P**, Surti SB, Ranjit M, Sarmah J, Sudhakar G, Babu BV. Sickle cell disease in Indian tribal population: Findings of a multi-centre Indian SCD registry. *Blood Cells Mol Dis*. 2024 Jul 14; 109:102873. doi: 10.1016/j.bcmd.2024.102873. IF: 2.33
6. Babu BV, Sharma Y, **Sridevi P**, SB. Shaily, Bhat D, Ranjit M, Sudhakar G & Sarmah J Strengthening Health System and Community Mobilization for Sickle Cell Disease Screening and Management among Tribal Populations in India: An Interventional Study, *Hemoglobin*, 2024; 47(6):227-236. doi: 10.1080/03630269.2023.2300675. IF: 1.3
7. Bhat D, Babu BV, Surti SB, Ranjit M, Sarmah J, **Sridevi P**, Sharma Y. Stigma of sickle cell disease among Indian tribal population: A multi-centric qualitative study. *J Natl Med Assoc*. 2023 115(6):556-565. doi: 10.1016/j.jnma.2023.09.006. IF: 2.5
8. Dey S, Kusuma YS, Kant S, Kumar D, Gopalan RB, **Sridevi P**, Aggarwal S. COVID-19 vaccine acceptance and hesitancy in Indian context: a systematic review and meta-analysis. *Pathog Glob Health*. 2024 118(2):182-195. doi: 10.1080/20477724.2023.2285184. IF 3.4
9. Babu BV, Sharma Y, Surti SB, Bhat D, **Sridevi P**, Ranjit M, Sudhakar G, Sarmah J. Indian sickle cell disease registry for surveillance & patient management: Development & implementation. *Int J Health Plann Manage*. 2023 38(5):1483-1494. doi: 10.1002/hpm.3674. IF: 2.7
10. Siluvainathan P, Kumar D, **Sridevi P**. Policy Intervention for Sickle Cell Anemia Mitigation with Special Reference to Nutrition and Technology Diffusion. *Journal of life sciences bioinformatics pharmaceutical and chemical sciences*. 2023 8(6). IF.2.5
11. Babu BV, **Sridevi P**, Surti SB, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Sickle cell disease-related knowledge and perceptions of traditional healers in tribal communities in India: implications on sickle cell disease program. *Journal of Community Genetics*. 2022 Dec;13(6):597-603. Doi:10.1007/s12687-022-00614-y. IF:2.0
12. **Sridevi P**, Sharma Y, Balakrishna SL, Babu BV. Sickle cell disease treatment & management in India: a systematic review of interventional studies. *Transactions of Royal Society of Tropical Medicine & Hygiene*. 2022 Dec; 116(12):1101-11. doi:10.1093/trstmh/trac095. IF:1.9
13. Babu BV, Sharma Y, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G. Feasibility of population-based screening of sickle cell disease through primary health care system in

tribal areas of India. *Journal of Medical Screening*. 2023 Mar;30(1):28-35. doi: 10.1177/09691413221123131. IF:2.6

14. Gupta B, Balakrishna L, Palepu S, Maniteja N, Kumari A, **Sridevi P**. A comprehensive review on cervical cancer; HPV infection to Prevention. *J Infect Non Infect Dis*. 2022;6(032):2. Doi:10.24966/INID-8654/100032. IF. 1.03
15. Gupta S, Gautam P, Balakrishna L, Venkatramana K, Paroha R, **Sridevi P**. Sick cell disease: A global health concern; pathophysiology, epidemiology and advances in point of care diagnostics. *International Journal of Scientific Research Updates*. 2022;4(1):009-20. Doi: 10.53430/ijrsru.2022.4.1.0066.
16. Babu BV, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Peripheral health workers' knowledge and experience related to sickle cell disease: an in-depth interview study in six tribal-dominated districts of India. *Journal of Community Genetics*. 2022 Jun;13(3):329-38. Doi:10.1007/s12687-022-00578-z. IF.2.0
17. Babu BV, **Sridevi P**, Surti S, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Inadequate community knowledge about sickle cell disease among the Indian tribal population: a formative assessment in a multicentric intervention study. *Transactions of The Royal Society of Tropical Medicine and Hygiene*. 2021 Dec;115(12):1434-44. <https://doi.org/10.1093/trstmh/trab075>. IF-1.9
18. Gupta B, Kumar A, **Sridevi P**. A Comprehensive in Silico Analysis for Identification of Immunotherapeutic Epitopes of HPV-18. *International Journal of Peptide Research and Therapeutics*. 2021 Dec;27(4):2717-26. <https://doi.org/10.1007/s10989-021-10285-x>. IF-2.0
19. Babu BV, **Sridevi P**, Surti S, Ranjit MR, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Prevalence of sickle cell disease among children of tribal population in India: feasibility of screening at community level in low-resource settings. *Pediatric Blood & Cancer*. 2021 Jun;68(6):e28911. <https://doi.org/10.1002/pbc.28911>. IF-3.8
20. Gupta B, Sunnam LB, Kumar A, **Sridevi P**. Prevalence of human papillomavirus 16 genotype in Anuppur district, Madhya Pradesh. *Molecular Biology Reports*. 2021 Jan;48(1):503-11. <https://doi.org/10.1007/s11033-020-06082-2>. IF-2.6
21. Babu BV, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Improving the capacity of health system and community for sickle cell disease screening and management among tribal population in India: protocol of an intervention study. *Current Health Sciences Journal*. 2020 Jul;46(3):270. doi: 10.12865/CHSJ.46.03.08.
22. Singh KR, **Sridevi P**, Singh RP. Potential applications of peptide nucleic acid in biomedical domain. *Engineering Reports*. 2020 Sep;2(9):e12238. <https://doi.org/10.1002/eng2.12238>.
23. Singh KR, Sree Lekshmi KK, Manasingh D, Badajena S, **Sridevi P**. Polycystic Ovarian Syndrome Burden in Central India: A Cross-Sectional Study. *J Clin Res Rep*. 2020; 4:1-6. Doi:10.31579/2690-1919/095. IF-2.5
24. Singh KR, Fernandes M, Sarkar T, **Sridevi P**. Assessment and analysis of lifestyle disease burden in tribes of central India. *J Infect Non Infect Dis*. 2019; 4:027. Doi:10.24966/INID-8654/100027. IF-1.03
25. Gupta B, **Sridevi P**. Sick cell disease and associated complications: a molecular view. *RJLBPCS*. 2019;5(1):489-99. doi: 10.26479/2019.0501.42. IF-2.5
26. Balakrishna SL, Bharti G, **Sridevi P**. Expression Analysis of Cell Surface Markers: Cluster of Differentiation 4, Chemokine Receptor 5 and C-X-C Chemokine Receptor Type 4 in Different Cell Lines after Infection with HIV. *Journal of HIV & Retrovirus*, 2018;4(2), 14. 10.21767/2471-9676.100046. IF-1.5
27. **Sridevi P**, SL B, Gupta B. HIV-1 induced differential expression of cell surface proteins in SupT1 cell lines. *Biomedical Research*. 2018;29(15):3047-53. Doi:10.4066-29-18-723. IF-3.0

28. Venkat RV, Kumar SK, **Sridevi P**, Muley VY, Chaitanya RK. Cloning, characterization and transmission blocking potential of midgut carboxypeptidase A in *Anopheles stephensi*. *Acta tropica*. 2017 Apr 1;168: 21-8. <https://doi.org/10.1016/j.actatropica.2016.12.035>. IF-2.1
29. **Sridevi P**, Chaitanya RK, Prathibha Y, Balakrishna SL, Dutta-Gupta A, Senthilkumaran B. Early exposure of 17 α -ethynylestradiol and diethylstilbestrol induces morphological changes and alters ovarian steroidogenic pathway enzyme gene expression in catfish, *Clarias gariepinus*. *Environmental toxicology*. 2015 Apr;30(4):439-51. IF-4.4
30. Chaitanya RK, **Sridevi P**, Kumar KS, Mastan BS, Kumar KA, Dutta-Gupta A. Expression analysis of reactive oxygen species detoxifying enzyme genes in *Anopheles stephensi* during *Plasmodium berghei* midgut invasion. *Asian Pacific Journal of Tropical Medicine*. 2014 Sep 1;7(9):680-4. [https://doi.org/10.1016/S1995-7645\(14\)60116-4](https://doi.org/10.1016/S1995-7645(14)60116-4). IF-1.9
31. Yajarla VN, Nimmanapalli RP, **Sridevi P.**, Gupta G, Karnati R. Anti-inflammatory and anti-proliferative properties of *Chromolaena odorata* leaf extracts in normal and skin-cancer cell lines. *Journal of Herbs, Spices & Medicinal Plants*. 2014 Oct 2;20(4):359-71. <https://doi.org/10.1080/10496475.2013.876698>. IF-1.7
32. Chaitanya RK, **Sridevi P**, Senthilkumaran B, Gupta AD. Effect of juvenile hormone analog, methoprene on H-fibroin regulation during the last instar larval development of *Corcyra cephalonica*. *General and Comparative Endocrinology*. 2013 Jan 15;181:10-7. doi: 10.1016/j.ygcen.2012.08.014. IF-2.1
33. **Sridevi P**, Dutta-Gupta A, Senthilkumaran B. Molecular cloning and expression analysis of fushi tarazu factor 1 in the brain of air-breathing catfish, *Clarias gariepinus*. *Plos one*. 2011 Dec 28;6(12):e28867. <https://doi.org/10.1371/journal.pone.0028867>. IF-2.9
34. Chakrabarty S, Rajakumar A, Raghuvveer K, **Sridevi P**, Mohanachary A, Prathibha Y, Bashyam L, Dutta-Gupta A, Senthilkumaran B. Endosulfan and flutamide, alone and in combination, target ovarian growth in juvenile catfish, *Clarias batrachus*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*. 2012 Apr 1;155(3):491-7. doi: 10.1016/j.cbpc.2011.12.007. IF-3.9
35. Chaitanya RK, **Sridevi P**, Senthilkumaran B, Gupta AD. 20-Hydroxyecdysone regulation of H-fibroin gene in stored grain pest *Corcyra cephalonica*, during last instar larval development. *Steroids*. 2011 Jan 1;76(1-2):125-34. doi: 10.1016/j.steroids.2010.09.009. IF-2.1
36. **Sridevi P**, Chaitanya RK, Dutta-Gupta A, Senthilkumaran B. FTZ-F1 and FOXL2 up-regulate catfish brain aromatase gene transcription by specific binding to the promoter motifs. *Biochimica et Biophysica Acta (BBA)-Gene Regulatory Mechanisms*. 2012 Jan 1;1819(1):57-66. doi: 10.1016/j.bbagr.2011.10.003 IF-2.6
37. Sreenivasulu G, Senthilkumaran B, **Sridevi P**, Rajakumar A, Rasheeda MK. Expression and immunolocalization of 20 β -hydroxysteroid dehydrogenase during testicular cycle & after hCG induction, in vivo in catfish, *Clarias gariepinus*. *General and Comparative Endocrinology*. 2012 Jan 1;175(1):48-54. <https://doi.org/10.1016/j.ygcen.2011.09.002>. IF-2.1
38. **Sridevi P**, Senthilkumaran B. Cloning & differential expression of *FOXL2* during ovarian development & recrudescence of catfish, *Clarias gariepinus*. *General & Comparative Endocrinology*. 2011;174(3):259-68. <https://doi.org/10.1016/j.ygcen.2011.08.015> IF-2.1
39. Raghuvveer K, Senthilkumaran B, Sudhakumari CC, **Sridevi P**, Rajakumar A, Singh R, Muruganankumar R, Majumdar KC. Dimorphic expression of various transcription factor and steroidogenic enzyme genes during gonadal ontogeny in the air-breathing catfish, *Clarias gariepinus*. *Sexual Development*. 2011 Jul 1;5(4):213-23. <https://doi.org/10.1159/000328823>. IF-2.4
40. **Sridevi P**, Rasheeda MK, Senthilkumaran B. Cytochrome P450 aromatases: impact on gonadal development, recrudescence and effect of hCG in the catfish, *Clarias gariepinus*. *General and Comparative Endocrinology*. 2010 Jun 1;167(2):234-45. doi: 10.1016/j.ygcen.2010.03.009 IF-2.1

41. Sreenivasulu G, **Sridevi P**, Sahoo PK, Swapna I, Ge W, Kirubakaran R, Dutta-Gupta A, Senthilkumaran B. Cloning and expression of StAR during gonadal cycle and hCG-induced oocyte maturation of air-breathing catfish, *Clarias gariepinus*. ***Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology***. 2009 Sep 1;154(1):6-11. doi: 10.1016/j.cbpb.2009.04.010. IF-1.9

Book chapters

- Bharti G., Balakrishna S. L., Kshitij R.B.S, **Sridevi P.**, and Singh R.P. (2022) Biotechnology in animal nutrition and feed utilization. Elsevier, Cambridge, USA, in book: 'Emerging issues in climate smart livestock production'. Biological Tools and Techniques 2022, Pages 339-369. <https://doi.org/10.1016/B978-0-12-822265-2.00003-X>
- S. L. Balakrishna, Bharti Gupta and **P. Sridevi**. (2021) Expression Analysis of Cell Surface Markers: Cluster of Differentiation 4, Chemokine Receptor 5 and C-X-C Chemokine Receptor Type 4 in Different Cell Lines after Infection with HIV. Chapter 16. New Frontiers in Medicine and Medical Research, Vol. 14. ISBN: 978-93-918882-96-9, eBook.
- Chaitanya R.K., Shashank K., and **Sridevi P.** (2016) Oxidative stress in invertebrate systems. Intech International Publications. ISBN No: 978-953-51-4643-8. DOI: 10.5772/64573.

Invited talks/lectures

- Invited speaker on "*Holistic Social Science Approaches to Sickle Cell Care: Strengthening Diagnosis, Treatment and Community Support*" for the **One-week short term program under Malaviya Mission Teacher Training Centre (MMTTC)**, Central University of Punjab, Bhatinda on 18th Feb 2025.
- Invited speaker on "*Integrating Social Science and Public Health: Socio-Demographic Correlates of Cervical Cancer Risk Awareness and Prevention After HPV Screening*" for the **One-week short term program under Malaviya Mission Teacher Training Centre (MMTTC)**, Central University of Punjab, Bhatinda on 19th Feb 2025.
- Invited speaker on "*Harnessing Biotechnology for Empowering Tribal Communities for a Sustainable Future*" in two days **International Conference on "Developing New Horizons for Sustainable Development"** on 6-7th, February 2025, organized by Departments of Physical Sciences & Internal Quality Assurance Cell in collaboration with Council for Green Revolution (CGR) at St. Pious x degree & PG college for women, Hyderabad.
- Invited speaker on "*Public health as key career choice: Addressing India's health concerns*" in **Interdisciplinary talk series** organized by Department of Social Work, Central Tribal University of Andhra Pradesh, Vizianagaram, A.P, on 30th Dec 2024.
- Invited speaker and resource person on "*Research and Strategies for Integration of Tribal Healing Practices in Contemporary Health Care System*" for the "**Faculty Induction Program (Guru Dakshata)**," on 9th Dec 2024 organized by the **Malaviya Mission Teacher Training Centre (MMTTC) at Indira Gandhi National Tribal University (IGNTU)**, Amarkantak, MP, scheduled from 2nd Dec to 31st December 2024.
- Expert Speaker on "*Comprehensive sickle cell patient care through Govt. health system and reduction of social stigma*" in "**Maharashtra sickle cell talk series**" on 12th Dec 2024, organized by **National alliance for sickle cell diseases organization(NASCO)**, India-11th to 17th Dec 2024.
- Oral Presentation on "Strategies and comprehensive approach to integrate traditional healing practices into modern health care system" in National Seminar on "**Envisioning New Bharat: Educational Reforms and Indigenous Systems**" organized by THETA & UVAS during 8th and 9th June 2024, at Coimbatore, Tamil Nadu.
- Session chair and key note speaker in state level conference on "**Roadmap for sickle cell disease prevention and management in Madhya Pradesh**" 3rd Jan 2024 organized by National Alliance for Sickle Cell Organizations (NASCO) in partnership with **National Health Mission MP & ICMR-NIRTH Jabalpur in NHM seminar room, Bhopal.**

- Keynote Speaker at Brain Storming Webinar on “**Challenges in Integration of Tribal Healing Practices in Health Care System**” 25th Nov 2023 Integrating Tribal Medicine and Healthcare: Strategies, Tools and Further Research organized by Herbal Research Division, **Patanjali Research Foundation**, Haridwar, Utharakhand.
- Invited Speaker for the technical session “**From Lab to Field: Molecular Biology Techniques Driving Diagnostic Success in Public Health**”, 28th June 2023 in high end karyashala on Molecular Biology Tools and Techniques, sponsored by DST, India organized by Dept. of Biochemistry, **Central University of Haryana, Haryana**.
- Invited talk on “**Unfolding public health as a concern and career in India**” May 12th 2023 in “Research seminar series” for PhD scholars organized by Dept. of Medical Genetics, Kasturba Medical College, Manipal Academy of Higher Education, Manipal,
- Invited talk on “**Unfolding public health as a concern and career in India**” May 5th 2022, Lecture series for PG and PhD students, **Dept. of Zoology, Central University of Punjab, Bhatinda, Punjab**.
- Chaired a panel discussion on “**Tackling vaccine related stigma & socio-cultural challenges: Patient’s perspective**” 30th Apr 2022 on the occasion of World Immunization Week 2022 - 24 to 30 April organized by **National Alliance for Sickle Cell Organizations, India**
- Panelist on the theme ‘**Not all Disabilities Are Visible**’ in 2nd national webinar 3rd Dec 2021 on the occasion of International Day of People with Disabilities organized by **National Alliance for Sickle Cell Organizations, India**
- Panelist on the theme “**Universal screening of SCD: Step Towards SCD free India**’ webinar on 8th mar 2021 on the occasion of International Day of People with Disabilities organized by **National Alliance for Sickle Cell Organizations** and Novartis India.

Research presentations

- **Sridevi P, “Bridging the Gap: Molecular Biology Techniques Transforming Public Health Diagnostics” in National conference on Emerging trends in biology & biotechnology (NCETBB-2025) on 30th and 31st Jan 2025, organized by Dept. of Biotech, Berhampur University, Orissa. (Invited Speaker)**
- **Sridevi P, “Research and Strategies for Integration of Tribal Healing Practices in Contemporary Health Care System” in “Ayurdhan 2024 -An International Conference on Harmonizing Ayurveda, Technology and Innovation for a Healthier Future” at the University of Patanjali, Haridwar, from 27th to 29th October 2024. (Keynote speaker)**
- **Sridevi P, “Comprehensive care model for diagnosis, treatment and management of Sickle cell disease by Improving capacity of health system and Community”. International conference on sickle cell disease Advances in management and prevention, ICMR-CRMCH, Chandrapur, 4th to 6th Oct 2024. (Invited speaker)**
- **Ravi Babu B, Balakrishna SL and Sridevi P. “Impact of Sickle cell disease on school education in children; focus on interventions to reduce absenteeism and improve academic performance”. International conference on sickle cell disease Advances in management and prevention, ICMR-CRMCH, Chandrapur, 4th to 6th Oct 2024. (Oral speaker)**
- **Ravi Babu B, Balakrishna SL and Sridevi P “Global Sickle Cell Disease Prevalence and Impact of Disease on School Education in Children” on 20th Jan 2024 in conference entitled “Insights into Education System in Andhra Pradesh During Pre and Post-Colonial Era- The Road Ahead for Holistic Education System”, organized by Center for Andhra Pradesh studies at PSCRMET college, Vijayawada, Andhra Pradesh. (Oral presentation).**
- **Sridevi P “COVID-19 and variants” on 27th July 2022 in PI’s meet of ICMR funded Project, “COVID-19 vaccine acceptance and uptake: an implementation research among tribal, rural and urban communities in selected districts of four Indian states” at Centre for Community Medicine, All India Institute of Medical Sciences, Ansari Nagar, New Delhi (Oral presentation).**

Editor & Reviewer for international journals:

- **Review editor** for **Frontiers of endocrinology**
- **Review editor** for **Frontiers of family medicine and primary care**
- **Reviewer** for **The Lancet-South East Asia**
- Journal name: **Plos one** Publishers: **Plos Journals**
- Journal name: **Frontiers in Genetics** Publishers: **Frontiers Journals**
- Journal name: **World Journal of Surgical Oncology** Publishers: **BMC Springer nature**
- Journal name: **South Asian of Parasitology** Publishers: **SAJP journals**
- Journal name: **Current Cancer Therapy Reviews** Publishers: **Bentham Science journals**
- Journal name: **Current Science** Publishers: **Indian Academy of Science**

Professional Recognition/Awards/Prizes/Certificates:

State Merit Scholarship, in 10th standard (1996) Govt. of Andhra Pradesh.

General proficiency & subject proficiency and best outgoing student award (2000-2003) St. Pious X degree & PG College for women, Hyderabad.

National level merit scholarship-2003 sponsored by "Fair & lovely foundation, Saraswathi project" for meritorious girl students to pursue master's degree (1 among 20 India).

Summer research fellowship-2004 & 2005 by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India at Institute of Genomics and Integrative Biology, New Delhi, India.

Italian Government Scholarship-2005 for pursuing Masters in Bioinformatics at University of Torino (Milan), Ministry of Human Resource & Development, Govt. of India. (Didn't avail).

Junior and Senior Research Fellowships-National Eligibility Test- 2005 UGC, India.

Best poster award in National Science day celebrations, University of Hyderabad, India 2008

DST-PURSE Grant travel award from University of Hyderabad to present a paper in Vith AOSCE congress at Palmerston North, New Zealand, Jan 2010 DST, India.

Research Associateship-2012 CSIR, India. (Didn't avail).

UGC Dr. D. S. Kothari Post-Doctoral Fellowship-2012 UGC, India.

Best Poster Award in International Conference on "Emerging Trends in Biomarker Research – Prospects & Challenges, ICT, Hyderabad, India (May 2013)

Student awards: MP young scientist award 2022&2024 and ICMR- Senior research fellowship-2021

Offline/Online Certifications

- Certificate course on MOOC on Implementation Research (IR) with a Focus on Infectious Diseases of Poverty (IDP)- 18th April-2nd June 2022, RTC & TDR- WHO
- Certificate course on Health assessment research from IHSC-Harvard TH. Chan School of public health- 28th July-30th Sep 2021.

Administrative Assignments:

- 1) Executive council (EC) member of CTUAP
- 2) Chairman OBC-SC-ST cell of CTUAP
- 3) Presiding officer of Internal Complaints committee CTUAP
- 4) Executive Member Academic calendar committee
- 5) Executive Member Time table committee
- 6) Chairman BoS, Department of Biotechnology, CTUAP
- 7) HoD, Department of Biotechnology, CTUAP
- 8) Chairman: Women cell, CTUAP
- 9) Secretary of Institutional ethics committee, CTUAP
- 10) Executive Member of Examination manual committee, CTUAP
- 11) Executive Member of Anti-Ragging committee, CTUAP
- 12) Executive member Research & Development cell -CTUAP

- 13) Secretary: IGNTU- Institutional biosafety committee IGNTU
- 14) Secretary: Gender studies cell, IGNTU
- 15) Executive Member of Institutional ethics committee, IGNTU
- 16) Senior Member of Advisory board: National alliance for sickle cell organizations, NASCO
- 17) Executive Member of Rajbhasha cell, IGNTU
- 18) Women Representative: Online admission committee, IGNTU
- 19) Executive Member of Women cell (SPARSH), IGNTU
- 20) Board of studies member in Department of Zoology, IGNTU
- 21) Board of studies member in Department of Statistics, IGNTU
- 22) Founder Secretary Day Care facility in IGNTU
- 23) Women Representative: Admission committee in Department of Geology
- 24) Secretary: Eklavya kindergarten school, IGNTU
- 25) Member: Squad team, IGNTU

Education:

PhD (Molecular and Reproductive Endocrinology):	Dept. of Animal Sciences, University of Hyderabad	2006-2011
Master of Science (Genetics): 76.7%	Dept. of Genetics, Osmania University, Hyderabad	2003-2005
Bachelor of Science (Microbiology, Genetics & Chemistry): 84.88 %	St. Pious X degree & PG College, Hyderabad, AP	2000-2003
Under Graduation (Biology, Physics & Chemistry): 79.2%	SVS Junior College, Hanamkonda, Warangal, AP	1996-1998
Secondary Education: 89.16% (School first)	India Mission Secondary School, Karimnagar, AP	1996

Organizer/convener and Chairmanships at national or international conference /seminar etc.

- **Convener:** International Women's Day 2025 on ""Accelerate Action: For All Girls and Women- Rights, Equality and Empowerment" 8th March 2023 (IWD 2025), CTUAP, Vizianagaram.
- **Co-Organizing secretary:** Two-day national conference on National Seminar on "Cultivating the Future: Advances in Plant Science and Biotechnology for sustainability 2025" on 27-28th Feb 2025 organized by Dept. of Botany, CTUAP, Vizianagaram.
- **Convener:** Two-day workshop on "Open Access Publishing Supported by ORCID- GPF" on 12th-13th Dec 2024 in collaboration with IIT-Delhi & CTUAP.
- **Convener:** International Women's Day on "Invest in Women: Accelerate Progress" from Mar 07 to 09, 2024, CTUAP, Vizianagaram.
- **Co-Convener: CB-FDP** on "Personality Development of girl students" organized in collaboration with National Commission for women and CTUAP on April 26th 2023.
- **Convener:** International Women's Day 2023 on "DigitALL: Innovation and technology for gender equality" 8th March 2023 (IWD 2023), CTUAP.
- **Co-convener:** "National Education Policy: Reflections on Tribal Education in Global Perspective", under the Azadi Ka Amrit Mahotsav on 4th Aug 2022.
- **Convener:** State level dissemination workshop on "Improving the capacity of health system and community for sickle cell disease screening and management: An intervention study in Anuppur district, MP" 19th June 2022, at IGNTU, Amarkantak.

- **Organizing Secretary:** National level lecture on Science day 2021 Theme: Future of Science and Technology Innovations: Impacts on Education, Skills and Work; Organized by Dept. of Biotechnology, Faculty of Science, IGNTU on 28th Feb 2021.
- **Organizing secretary:** 3 Days online Workshop on "Chromatography Techniques and its Analytical Approaches" organized by IGNTU, Amarkantak from 4th to 6th Oct 2021
- **Convener:** International Colloquium on Sickle cell disease and programmatic perspectives in India" 19th June 2021 (World Sickle Cell Day).
- **Co-Convener: e-FDP** on "Exploring the novel Pharmaceutical and Biotechnological concepts in the process of Drug Discovery and Development" from June 22nd to 26th June 2021
- **Co-Organizer:** Self Reliant India and Women Power, National webinar organized by Gender Studies Cell, Indira Gandhi National Tribal University, Amarkantak (MP) in Collaboration with University Grants Commission, New Delhi on Friday, August 14, 2020.
- **Co-Organizer:** One-day workshop conducted on "Tribal Health: Identifying the Gaps" at IGNTU in collaboration with NIRTH, Jabalpur on 15th May 2019, Dept. of Biotechnology, IGNTU, Amarkantak
- **Treasurer:** International Conference entitled "Molecular Biology of the Stress Response" Jan 16th 2017, Dept. of Biotechnology, IGNTU, Amarkantak.

Conferences and Presentations

Participation	National Workshop on "Recent Advances in Computational Methods for Drug Design and Discovery" JNIAS, Hyderabad, India	2014
Poster presentation (Best Poster Award)	International Conference on "Emerging Trends in Biomarker Research – Prospects & Challenges, IICT, Hyderabad, India	2013
Oral presentation	National Symposium, Comparative Endocrinology & Reproductive Physiology: Advances, National Institute of Science, Mumbai, India	2011
Poster presentation	VI th Inter congress symposium, Asia Oceania society of comparative endocrinology, Massey University, Palmerston North, New Zealand	2010
Oral presentation	Bioquest, School of Life Sciences, University of Hyderabad, India	2009
Poster presentation (Best poster award)	National Science day celebrations, University of Hyderabad, India	2008

Academic teaching experience:

- **Guest faculty (Oct 2014-Nov 2014):** Worked as guest faculty at Biotechnology at Amity Institute of Biotechnology, Gwalior.
- **Lecturer (June 2005-Feb 2006) Genetics:** Sujata Degree & PG College, Abids, Hyderabad, India.
- **Lecturer (Oct 2005-Aug 2006):** Biotechnology; Study Centre for Punjab Technical University, Abids, Hyderabad.

References:

Prof. Senthilkumaran, Department of Animal Sciences, School of Life Sciences, University of Hyderabad, Hyderabad 500046 (E-mail: bsksl@uohyd.ac.in)

Prof. Anand.K.Kondapi, Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad, Hyderabad 500046 (E-mail: akksl@uohyd.ac.in)

Dr. Bontha V. Babu, Scientist - G & Head, Division of Socio-Behavioural & Health Systems Research Indian Council of Medical Research, New Delhi - 110 029, India (E-mail: babubontha@gmail.com)