Dr. PARIKIPANDLA SRIDEVI

Date of Birth: 18th June, 1981
Address: Dept of Biotechnology, Faculty of Science,
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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). Project ID: No. 3880/CST/R&D(BioSci)/2018**
- 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). Project ID: NTF/SCD/2019/HSR/03**
- Co-Principal Investigator in major project entitled **"COVID-19 vaccine acceptance and uptake: 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). Project ID: No.OR/2/11/2021-ECD-II**
- 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). ICMR-Ref No.: SRF/04/2020/SBHSR**
- 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 July 2026 **(Funding: 70L). Project ID: NTF/SCD-Stigma/2022/SBHSR/05.**
- Principal investigator in National Health Research Priority project entitled "**Development of an Optimal Model for Sickle Cell Disease Screening, Diagnosis, Treatment and Care: An Implementation Research Study- ASR District, AP" Funded by ICMR-SCD division: Mar 2026 to Mar 2029. (Funding: 3.87 Cr). Project ID: 56/1/224/SSD-Brainstorm/NCD (E-File No:189134).**

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: Mr. Dhirendra Kumar (Enrolment No. 2001362001) Clinical profiling and molecular study of complications associated with sickle cell disease and other haemoglobinopathies in Central India. PhD awarded on 13-02-2026.

03: Ms. Prachi Mishra (Enrolment no: 25406601) Molecular and Clinical Characterization of Vaso Occlusive Crisis and Haemolysis associated Complications in Sickle Cell Disease PhD joining Date 10th Dec 2025

04: Ms. Sujini Kandula (Enrolment no: 25406602) Human Papillomavirus (HPV) Genotype - Specific Epigenetic Alterations and their Significance in Cervical Carcinogenesis. PhD joining Date 10th Dec 2025

List of Peer-Reviewed Publications

1. Sharma Y, Surti SB, Bhat D, **Sridevi P**, Sarmah J, et al. Factors associated with vaso-occlusive crisis among patients with sickle cell disease in India: An exploratory person-fortnight analysis from a prospective community-based multicentric cohort. British Journal of Haematology. 2026. doi:10.1111/bjh.70753. IF: 3.6
2. Sarmah J, Bordoloi T, Sharma Y, Bal M, Bhat D, Surti SB, **Sridevi P**, Ranjit M, Jena RK, Babu BV, et al. Seasonal, geographical and sociodemographic variation in coping strategies among individuals with sickle cell disease: A multisite study in India. Hemoglobin. 2026;1–9. doi:10.1080/03630269.2026.2749724. I.F 1.5.
3. Sharma Y, **Sridevi P**, Sarmah J, et al. Sickle cell disease-related myths and misconceptions among tribal communities in India: a multi-state qualitative study. Journal of Community Genetics. 2026;17:84. doi:10.1007/s12687-026-00919-2. IF: 2.1.
4. Surti SB, Patel S, Sharma Y, Bhat D, **Sridevi P**, Sarmah J, et al. Epidemiology of vaso-occlusive crisis among sickle cell disease patients in India: A community-based multi-centric study. Indian Journal of Medical Research. 2026;163(3):371–378. doi:10.25259/IJMR_2879_2025. IF: 2.1.
5. Sharma Y, Bhat D, **Sridevi P,** et al. Reproductive Health and Pregnancy Outcomes Among Women With Sickle Cell Disease in Tribal Communities of India: A Community-Based Retrospective Comparative Study. Pediatric Blood & Cancer. 2026;73(5):e70229. doi:10.1002/1545-5017.70229. IF: 2.4.
6. Bhat D, Sharma Y, **Sridevi P**, Surti SB, Sarmah J, Bal M, Ranjit M, Jena RK, Babu BV. Pain in sickle cell disease: a prospective multicentre community-based cohort study in underserved Indian communities. Expert Review of Hematology. 2026;19(2):187–195. doi:10.1080/17474086. 2025. 2597360. IF: 2.8.
7. Sharma Y, Bhat D, Surti SB, **Sridevi P**, Sarmah J, Bal M, Ranjit M, Babu BV. Reproductive Health in Women with Sickle Cell Disease: A Cross-Sectional Study from Endemic Tribal Regions of India. Indian Journal of Hematology & Blood Transfusion. 2026;42(2):625–630. doi:10.1007/s12288-026-02312-y. IF: 0.9.
8. **Sridevi P**, Inti A, Sarmah J, Bal M, Surti SB, Bhat D, Ranjit M, Sharma Y, Babu BV. Sociodemographic characteristics and healthcare-seeking behaviour of patients with sickle cell disease: A cross-sectional study across five tribal districts in India. Journal of Community Genetics. 2026;17(2):48. doi:10.1007/s12687-026-00884-w.
9. Kumar D, Bala Krishna SL, **Sridevi P**. Identification of Sickle Cell Disease and Its Associated Other Structural Variants of Hemoglobin Using High Performance Liquid Chromatography and Their Clinical Profiling. Hemoglobin. 2026;50(1):1–10. doi:10.1080/03630269.2025.2590259. IF: 1.5.
10. Babu BV, Sharma Y, **Sridevi P**, et al. Sickle cell disease-related stigma: quantitative assessment from India. Pediatric Blood & Cancer. 2026;73(1):e32116. doi:10.1002/pbc.32116. IF: 2.4.
11. Surti SB, Sharma Y, **Sridevi P**, et al. Health system-led multimodal and multilevel interventions to reduce sickle cell disease-related stigma among tribal populations in India: an implementation

research protocol. Journal of Racial and Ethnic Health Disparities. 2025; online ahead of print. doi:10.1007/s40615-025-02658-5. IF: 3.2.
12. Birudu RB, Inti A, Sunnam LB, **Sridevi P**. Global sickle cell disease and impact on school education in children: a focus on interventions for improving academic performance. Journal of Clinical Research and Bioethics. 2025;16:529. IF: 1.9.
13. Sharma Y, Bhat D, **Sridevi P**, Surti SB, Ranjit M, Sarmah J, Sudhakar G, Babu BV. Impact of a comprehensive sickle cell disease care programme on community knowledge among Indian tribal populations: a multicentric study. Transactions of the Royal Society of Tropical Medicine and Hygiene. 2025;119(12):1324–1334. doi:10.1093/trstmh/traf071. IF: 1.6.
14. Babu BV, Sharma Y, **Sridevi P**, Bhat D, Surti SB, Sarmah J, Bal M, Ranjit M, Jena RK. Indian Council of Medical Research (ICMR)-Sickle Cell Disease (SCD) Stigma Scale for India (ISSSI): development and psychometrics. Lancet Regional Health–Southeast Asia.2025;37:100603. doi:10.1016/j.lansea.2025. 100603. IF: 6.4.
15. 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. International Journal of Health Planning and Management. 2025;40(3). doi:10.1002/hpm.3924. IF: 2.7.
16. Surti SB, 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 Journal of Hematology & Blood Transfusion. 2026;42(2):441–448. doi:10.1007/s12288-025-01992-2. IF: 1.0.
17. Gupta B, **Sridevi P**. Knowledge, attitude and practices towards cervical cancer and its screening among women from the tribal population of Anuppur district. Journal of Prevention. 2025;46(1):133–156. doi:10.1007/s10935-024-00813-y. IF: 2.5.
18. 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. Journal of Racial and Ethnic Health Disparities. 2025;13(1):84–92. doi:10.1007/s40615-024-02228-1. IF: 3.2.
19. 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, Molecules and Diseases. 2024;109:102873. doi:10.1016/j.bcmd.2024.102873. IF: 2.1.
20. Babu BV, Sharma Y, **Sridevi P**, et al. Strengthening health system and community mobilization for sickle cell disease screening and management among tribal populations in India. Hemoglobin. 2024;47(6):227–236. doi:10.1080/03630269.2023.2300675. IF: 1.3.
21. Dey S, Kusuma YS, Kant S, Kumar D, Gopalan RB, **Sridevi P**, Aggarwal S. COVID-19 vaccine acceptance and hesitancy in the Indian context: a systematic review and meta-analysis. Pathogens and Global Health. 2024;118(2):182–195. doi:10.1080/20477724.2023.2285184. IF: 3.4.
22. 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. Journal of the National Medical Association. 2023;115(6):556–565. doi:10.1016/j.jnma.2023.09.006. IF: 3.0.
23. Babu BV, Sharma Y, Surti SB, Bhat D, **Sridevi P**, Ranjit M, Sudhakar G, Sarmah J. Indian sickle cell disease registry for surveillance and patient management. International Journal of Health Planning and Management. 2023;38(5):1483–1494. doi:10.1002/hpm.3674. IF: 2.5.
24. 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.
25. Babu BV, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Feasibility of population-based screening of sickle cell disease through primary health care system in tribal areas of India. Journal of Medical Screening. 2023;30(1):28–35. doi:10.1177/09691413221123131. IF: 2.7.
26. 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. Journal of Community Genetics. 2022;13(6):597–603. doi:10.1007/s12687-022-00614-y. IF: 2.0.

27. **Sridevi P**, Sharma Y, Balakrishna SL, Babu BV. Sickle cell disease treatment and management in India: a systematic review. Transactions of the Royal Society of Tropical Medicine and Hygiene. 2022;116(12):1101–1111. doi:10.1093/trstmh/trac095. IF: 1.9.
28. Gupta B, Balakrishna L, Palepu S, Maniteja N, Kumari A, **Sridevi P**. A comprehensive review on cervical cancer: HPV infection to prevention. Journal of Infectious and Non-Infectious Diseases. 2022;6:032. doi:10.24966/INID-8654/100032. IF: 1.03.
29. Babu BV, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Inadequate community knowledge about sickle cell disease among Indian tribal populations. Transactions of the Royal Society of Tropical Medicine and Hygiene. 2021;115(12):1434–1444. doi:10.1093/trstmh/trab075. IF: 1.9.
30. Gupta B, Kumar A, **Sridevi P**. *In silico* analysis for identification of immunotherapeutic epitopes of HPV-18. International Journal of Peptide Research and Therapeutics. 2021;27(4):2717–2726. doi:10.1007/s10989-021-10285-x. IF: 2.5.
31. Babu BV, **Sridevi P**, Surti SB, Ranjit M, Bhat D, Sarmah J, Sudhakar G, Sharma Y. Prevalence of sickle cell disease among children of tribal populations in India. Pediatric Blood & Cancer. 2021;68(6):e28911. doi:10.1002/pbc.28911. IF: 2.4.
32. Gupta B, Sunnam LB, Kumar A, **Sridevi P**. Prevalence of HPV-16 genotype in Anuppur district, Madhya Pradesh. Molecular Biology Reports. 2021;48(1):503–511. doi:10.1007/s11033-020-06082-2. IF: 3.2.
33. Singh KR, **Sridevi P**, Singh RP. Potential applications of peptide nucleic acid in the biomedical domain. Engineering Reports. 2020;2(9):e12238. doi:10.1002/eng2.12238. IF: Not provided.
34. Singh KR, Fernandes M, Sarkar T, **Sridevi P**. Lifestyle disease burden in tribes of central India. Journal of Infectious and Non-Infectious Diseases. 2019;4:027. IF: 1.03.
35. Gupta B, **Sridevi P**. Sickle cell disease and associated complications: a molecular view. Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. 2019;5(1):489–499. IF: 2.5.
36. Balakrishna SL, Bharti G, **Sridevi P**. Expression analysis of CD4, CCR5 and CXCR4 in HIV-infected cell lines. Journal of HIV & Retrovirus. 2018;4(2). IF: 1.5.
37. **Sridevi P**, Balakrishna SL, Gupta B. HIV-1 induced differential expression of cell surface proteins. Biomedical Research. 2018;29(15):3047–3053. IF: 3.7.
38. 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;168:21–28. doi:10.1016/j.actatropica.2016.12.035. IF: 2.7.
39. **Sridevi P**, Chaitanya RK, Prathibha Y, Balakrishna SL, Dutta-Gupta A, Senthilkumaran B. Early exposure of 17α-ethynylestradiol and diethylstilbestrol induces morphological changes and alters ovarian steroidogenic pathway enzyme gene expression in catfish (Clarias gariepinus). Environmental Toxicology. 2015;30(4):439–451. doi:10.1002/tox.21938. IF: 4.5.
40. Chaitanya RK, **Sridevi P**, Senthilkumaran B, Gupta AD. Effect of juvenile hormone analog methoprene on H-fibroin regulation during last instar larval development of Corcyra cephalonica. General and Comparative Endocrinology. 2013;181:10–17. doi:10.1016/j.ygcen.2012.08.014. IF: 2.1.
41. **Sridevi P**, Chaitanya RK, Dutta-Gupta A, Senthilkumaran B. FTZ-F1 and FOXL2 regulate catfish brain aromatase gene transcription via promoter binding. Biochimica et Biophysica Acta (BBA) – Gene Regulatory Mechanisms. 2012;1819(1):57–66. doi:10.1016/j.bbagrm.2011.10.003. IF: 3.7.
42. Sreenivasulu G, Senthilkumaran B, **Sridevi P**, Rajakumar A, Rasheeda MK. Expression and immunolocalization of 20β-hydroxysteroid dehydrogenase during the testicular cycle in catfish. Gen and Comparative Endocrinology. 2012;175(1):48–54. doi:10.1016/j.ygcen.2011.09.002. IF: 2.1.
43. 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;76(1–2):125–134. doi:10.1016/j.steroids.2010.09.009. IF: 3.1.

44. **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;6(12):e28867. doi:10.1371/journal.pone.0028867. IF: 3.3.
45. Chaitanya RK, Senthilkumaran B, **Sridevi P**, Rajakumar A, Rasheeda MK. Dimorphic expression of transcription factors during gonadal ontogeny in catfish. Sexual Development. 2011;5(4):213–223. doi:10.1159/000328823. IF: 1.8.
46. **Sridevi P**, Senthilkumaran B. Cloning and differential expression of FOXL2 during ovarian development and recrudescence of catfish (*Clarias gariepinus*). General and Comparative Endocrinology. 2011;174(3):259–268. doi:10.1016/j.ygcen.2011.08.015. IF: 2.1.
47. **Sridevi P**, Rasheeda MK, Senthilkumaran B. Cytochrome P450 aromatases: role in gonadal development and effect of hCG in catfish (Clarias gariepinus). General and Comparative Endocrinology. 2010;167(2):234–245. doi:10.1016/j.ygcen.2010.03.009. IF: 2.1.
48. Sreenivasulu G, **Sridevi P**, Sahoo PK, Swapna I, Ge W, Kirubagaran R, Dutta-Gupta A, Senthilkumaran B. Cloning and expression of StAR during the gonadal cycle and hCG-induced oocyte maturation in catfish. Comparative Biochemistry and Physiology Part B. 2009;154(1):6–11. doi:10.1016/j.cbpb.2009.04.010. IF: 2.5.
49. 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;7(9):680–684. IF: 1.5.
50. 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;20(4):359–371. IF: 1.0.

Patents:

1. Pyla Aruna; B. Kishore Babu; B. Swaranalatha; Lavanya Kalla; B. Ravibabu, **P. Sridevi;** (2026). Title: A method and composition for producing Ag-Ti-Cu Trimetallic Nanoparticles using Trichosanthes tricuspidate Leaf extract Heterostructures for Antimicrobial Applications. Indian Patent Application No.202641032164 Reference Number:202641032164 Publication Date: 20/02/2026. Research in collaboration with Andhra University and Central Tribal University of Andhra Pradesh.
2 Pyla Aruna; B. Kishore Babu; B. Swaranalatha; Potala Likhita; B. Ravibabu, **P. Sridevi** (2026). Title: *Green Synthesis of Trimetallic Nanocomposites and Method for Preparation Thereof*. Indian Patent Application No. 202641135346 A. Publication Reference: Patent Office Journal No. 39/2026. Publication Date: 25/09/2026. Research in collaboration with Andhra University and Central Tribal University of Andhra Pradesh.
3. B. Kishore Babu; Dr. Asia; G. Hima Bindu; T. Nagaraju Manasa; B. Baburao Dandu; **P. Sridevi** (2026). Title: *A Method for Synthesizing Trimetallic Nanoscale Heterostructures for Antimicrobial Applications*. Indian Patent Application No. 202641032164 A. Publication Reference: Patent Office Journal No. 13/2026. Publication Date: 27/03/2026. Research in collaboration with Andhra University and Central Tribal University of Andhra Pradesh.

Book chapters:

- **Sridevi, P. (2025).** Strategies for Integrating Traditional Healing Practices into Modern Healthcare Systems: A Comprehensive Approach. In *Tribal Knowledge Systems* (pp. 115-128). Routledge.
- 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 Techniques2022, 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 and Resource person on "Integrating Tribal Healing Practices into Modern Healthcare: Challenges and Opportunities" on 1st Aug 2026 for the **Faculty Induction program (Guru Dakshata), organized by MMTTC-IGNTU,** Amarkantak, **from August 1-31, 2026.**
- Invited Speaker and Resource Person to deliver lecture on "Biotechnology for Sustainable growth of Tribal communities: Advancing Environmental Consciousness and the Sustainable Development Goals' on 24th July 2026 in the **Refresher Course in Science, Pharmacy and Engineering (Multidisciplinary**) organized by the UGC–Malaviya Mission Teacher Training Centre (MMTTC), Indira Gandhi National Tribal University (IGNTU)on **24th July 2026.**
- Invited Speaker and Resource Person to deliver a Lecture on "Harnessing Biotechnology for Empowering Tribal Communities: Advancing Environmental Consciousness and Sustainable Development Goals" on the theme "**Environmental Consciousness and Sustainable Development Goals"** on July 16, 2026 for faculty induction program organized by UGC-Malaviya Mission Teacher Training Centre, JNU.
- Invited Speaker for short term course on Women Studies in topic "**Gender development and empowerment" organized** by the UGC–Malaviya Mission Teacher Training Centre (MMTTC), Andhra University on 2nd June 2026.
- Session chair for **technical session on "Health and Nutrition"** in Two-Day National Seminar on **"Gender and Tribe in Contemporary India: Issues, Realities, and Emerging Perspectives"** organized by the Department of Sociology, CTUAP on 17-18th March, 2026**.**
- Session Chair for Technical session **on "Status of Tribal Health in Andhra Pradesh" in the Two-Day National seminar on Re-visiting Tribal Life: Prospects and Problems held organised by Department of Tribal Studies, CTUAP on** 5-6th Feb 2026**.**
- Resource person for **National Alliance of Sickle Cell Organizations (NASCO) and Novo Nordisk Hemophilia & Haemoglobinopathies Foundation (NNHF)** for SCD Strategy Meeting on Sunday, 1 February 2026 in Delhi, India.
- Panelist at panel discussion on *Implementation research in Sickle cell disease* at "**Sickle Cell Collaborative meeting" organized by Jan Swasthya Sahyog (JSS) at Ganiyari, Bilaspur**, Chhattisgarh on 27th Sept 2025.
- 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, Uttarakhand.
- 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 Cervical Cancer Prevention Gap in Rural and Tribal India: Insights from a Community Study on HPV Awareness, Screening and the Need for Vaccination Counselling" in** Two-Day National Seminar on **"Gender and Tribe in Contemporary India: Issues, Realities, and Emerging Perspectives"** organised by the Department of Sociology on 17-18th March, 2026**. (Invited Speaker)**
- **Sridevi P**," **Comprehensive Sickle Cell Care Model: Advancing Diagnosis, Treatment, and Management through Health System Strengthening and Community Support"** at "International conference on Bridging Innovative Research in Translational and Interventional Health (BIRTH-2025)", 13-15 November 2025 at Department of Biochemistry, University of Lucknow, U.P. **(Invited Speaker)**
- **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: 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 Regional -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, IICT, 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) Recruitment cell Incharge, CTUAP
3) Academic council member (AC) of SSCTU
4) Internal Complaints Committee (ICC) Presiding officer of SSCTU
5) Chairman: Women cell, CTUAP
6) Secretary of Institutional Ethics committee, CTUAP
7) Chief Proctor- CTUAP (Till Mar 2026)
8) Chairman OBC-SC-ST cell of CTUAP (Till Apr 2026)
9) Presiding officer of Internal Complaints committee- CTUAP (Till Mar 2026)
10) Chairman, Committee for renewal of DACE, CTUAP
11) Chairman, Stage committee, first Convocation, CTUAP
12) Chairman, Guidelines for University Ambulance, CTUAP
13) Chairman, Committee for MoU with Aspire-BioNest-UoH
14) Convenor, Bhima Buoy Journal club, CTUAP
15) Member, Students Grievance and Redressal committee, CTUAP
16) Admission committee member, SSCTU
17) Member, Modalities for Student welfare fund, CTUAP
18) Member, DRC, Department of Biotechnology, CTUAP
19) Member, DRC, Department of Botany, CTUAP
20) Member, Guidelines for Non-Net Fellowship, CTUAP
21) Member, Framing Research policy, CTUAP
22) Member, Guidelines for seed grant, CTUAP
23) Member, Designing PhD Modalities, CTUAP
24) Member, Topographical survey of CTUAP land, Permanent campus.
25) Chairman BoS, Department of Biotechnology, CTUAP
26) Member BoS, Department of Botany, CTUAP
27) Member BoS, Department of Chemistry, CTUAP
28) Book Purchase committee Member, CTUAP
29) Anti-Ragging committee, Member
30) Executive Member Academic calendar committee
31) Executive Member Time table committee
32) Executive Member of Examination manual committee, CTUAP
33) Executive Member of Anti-Ragging committee, CTUAP
34) Executive member Research & Development cell -CTUAP
35) Secretary: IGNTU- Institutional biosafety committee IGNTU
36) Secretary: Gender studies cell, IGNTU
37) Executive Member of Institutional ethics committee, IGNTU
38) External expert, DRC scrutiny committee member, IIPE, Visakhapatnam
39) Subject expert, Project associate recruitment, School of sciences, CU Karnataka
40) External expert, Project associate recruitment, AIIMS, New Delhi

41) Senior Member of Advisory board: National alliance for sickle cell organizations, NASCO
42) Executive Member of Rajbhasha cell, IGNTU
43) Women Representative: Online admission committee, IGNTU
44) Executive Member of Women cell (SPARSH), IGNTU
45) Board of studies member in Department of Zoology, IGNTU
46) Board of studies member in Department of Statistics, IGNTU
47) Founder Secretary Day Care facility in IGNTU
48) Women Representative: Admission committee in Department of Geology
49) Secretary: Eklavya kindergarten school, IGNTU
50) 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.

- **Convenor:** BIONEXT 2026, a one-day national seminar on "From Lab to Life – Accelerating Academic Innovation in Biotechnology" on 11th Feb 2-26 at Dept. Of Biotechnology, CTUAP.
- **Convener:** International Women's Day, a special program on the theme "Rights, Equality and Empowerment for All Women and Girls" 9th March 2026 (IWD 2025), CTUAP, Vizianagaram.
- **Convenor:** One day national seminar on "Telugu Bhasha Dinostavam" 2026.
- **Convener:** Awareness Workshop on DSIR-PRISM (Promoting Innovations in Individuals, Startups and MSMEs) Scheme. Sponsored by: Department of Scientific and Industrial Research (DSIR) – PRISM, in collaboration with Technology Outreach cum Innovation Centre (TOCIC), Sri Padmavati Mahila Visvavidyalayam, Tirupati. Central Tribal University of Andhra Pradesh, Vizianagaram. 13 October 2025.
- **Convener:** Workshop on "Creating Safe Campus: Awareness on Sexual Harassment and Women's Safety." Sponsored by: Internal Complaints Committee (ICC), Central Tribal University of Andhra Pradesh. CTUAP Transit Campus, Vizianagaram. 17 September 2025.
- **Convener:** International Women's Day 2025 on "Accelerate Action: For All Girls and Women-Rights, Equality and Empowerment" 8th March 2025 (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	VIth 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)

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