Dr Anita Ganguly

Designation	**Regional Director**
	Haryana Pashu Vigyan Kendra Mobile: +919034464116 E-mail: anitaganguly@gmail.com/anitaganguly@luvas.edu.in
Educational Qualifications	• 2005:Ph.D. Animal Biochemistry, IVRI, Izatnagar, Bareilly, U.P. • DBT-PDF: CCMB, Hyderabad • 2001:M.V.Sc., Veterinary Biochemistry, COVS, PAU, Ludhiana, Punjab • 1999:B.V.Sc. & A.H., COVS, PAU, Ludhiana, Punjab
Employment Details	• Regional Director, HPVK, Uchani, Karnal: 11.4.2022-continuing • Principal Scientist, LUVAS, Hisar: 29.11.2020 onwards • Senior Scienrist, LUVAS, Hisar: 29.11.2017-28.11.2020 • Scientist (SS), LUVAS, Hisar: 6.8.2009 to 28.11.2017 • Asst. Professor cum Jr. Scientist, BAU, RVC, Ranchi: 29.11.2005 to 05.08.2009
Research Interests	• Development of molecular diagnostic tools for detection of emerging and re-emerging diseases in dairy animals and analysis of their haemato-biochemical alteration • Identification and molecular characterization/analysis of important/ pathogenic biomolecules /genes of emerging diseases of dairy animals • Clinically management of different important metabolic and non-metabolic diseases in dairy animals • Association of HSP-90 and HSP70 gene Polymorphism with Physio-biochemical Parameters in Indian Sheep Breeds
Students Guided	• As Major Advisor: 03 M.V.Sc. students
Research Projects Handled/Undergoing	1. AS PI: RKVY Project-Establishment of Veterinary Clinical Biochemistry and haematology laboratory at Veterinary Unit, Substation TVCC, LalaLajpat Rai University of Veterinary and Animal Sciences, Uchani, Karnal- Completed 2. As Co-PI: RKVY Project: Strengthening of Clinical and Extension services at Regional Centre, LUVAS, Karnal-Completed 3. As Co-PI: Molecular and Physio-biochemical evaluation of Heat Stress protein genes in Indian Sheep –Inter-institutional project with NBAGR, ICAR, Karnal-Completed 4. As Co-PI: DST-Haryana: Elucidating the role of circulatory miRNA as possible biomarker in bovine theileriosis -Undergoing 5. As Co-PI – Institutional Project: Investigation of alternation in cardiac biomarkers and acute phase protein profile in cattle infected naturally with tropical theileriosis as indicators of animal welfare" -Undergoing

Publications	**Total Research Papers Published:**45 **>8.0 NAAS rating: 7** **6-8 NAAS rating:**30 **Google Scholar index** **Research Citations**: 534 **h-index**: 12 **i-10index**: 13	**Book Chapters:**3 **Practical/Training Manuals:** 3	**PopularArticles:**03 **Gene Sequences Submitted:** 10 **Seminar/Conference Attended:** 7

Research publications in APA format (Best 10 only)

- Ganguly A, Maharana BR, Ganguly I. (2020). Pentaplex PCR assay for rapid differential detection of *Babesia bigemina, Theileria annulata, Anaplasma marginale* and T*rypanosoma evansi* in cattle. *Biologicals* 63, 81-88. (NAAS rating 7.96).
- **Ganguly A,** Ganguly I and Meur S K (2013). Changes in circulatory FSH of Barbari goats following treatment with high molecular weight inhibin isolated from buffalo follicular fluid. *Research in Veterinary Science* 95(2):374-80. (NAAS rating 8.4).
- **Ganguly A**, Maharana B R**,**Ganguly I, Kumar A, Potliya S, arora D, Bisla R S. (2018). Molecular diagnosis and hemato-biochemical changes in *Anaplasma marginale* infected dairy cattle. *Indian Journal of Animal Sciences,* 88(9): 989-993. (NAAS rating 6.5).
- **Ganguly A**, Bisla R S, Singh H, Vandna B, Kumar A, Kumari S, Maharana B R, Ganguly I. (2017). Prevalence and Haemato-Biochemical Changes Of Tick-Borne Haemoparasitic Diseases In Crossbred Cattle Of Haryana, India. *Indian Journal of animal Sciences*: 87(5): 552-557. (NAAS rating 6.5).
- **Ganguly A,** Ganguly I and Meur S K (2010). Multiple molecular forms of inhibin in buffalo (*Bubalus bubalis*) ovarian follicular fluid. *Research in Veterinary Science* 89 (1):14-19. (NAAS rating 8.4).
- Maharana, B. R., **Ganguly, A**., Potliya, S., Kumar, B., Singh, H., Dash, A. and Khanna, S. (2024). Molecular detection and characterization of prevailing *Theileria equi* genotype in equine from northern India. Res. Vet.Sci.173:10527. (NAAS rating 8.4).
- Maharana, B. R., Malik, R., **Ganguly, A**., Kumar, A., Kumar, B., Singh, H., Potliya, S., Khanna, S., & Dehuri, M. (2026). Geographical distribution and genotypic diversity of *Theileria orientalis* with emphasis on Indian isolates. *Scientific Reports,* 16, 31823, 10.1038/s41598-026-61033-4. (NAAS:10.9)
- BR Maharana, S Potliya, **Ganguly A**, RS Bisla, C Mishra, I Ganguly. (2020). First report of the isolation and phylogenetic characterization of equine *Setaria digitata* from India based on mitochondrial COI, 12S rDNA, and nuclear ITS2 (2020). *Parasitology Research* 119 (2), 473-48. (NAAS rating 8.07)
- Singh K. M., Singh S., Ganguly I., Nachiappan Raja K, **Ganguly A.**, Venkataramanan R., Chopra A., Narula H. K. (2017). Association of heat stress protein 90 and 70 gene polymorphism with adaptability traits in Indian sheep (*Ovis aries*). *Cell Stress and Chaperones*. 22(5):675-684. (NAAS rating 8.58)
- Nangru, A., Maharana, B. R., Vohra, S., Kumar, B., **Ganguly, A.,** Sahu, S., Singh, H., Ruhil, S., Khichar, V. (2023). Identification, molecular characterization and risk factors of *Theileria* infection among sheep: a first comprehensive report from North India. *Anim. Biotechnol*. **22**:1-13. (NAAS rating 8.14)

IPRs granted	• **NIL**

Awards/ Fellowships/ Recognition received	(In brief) 1. IVRI Senior Research Fellowship for PhD programme 2. University Merit Scholarship during M.V.Sc (1999-2001) from PAU, Ludhiana. 3. DBT PDF in 2005 4. Awarded ICAR- NET in 2001 5. Selected for 90 days advance training by ICAR, NAIP, New Delhi 6. *Best poster award* at National Symposium on Recent Advances in Reproductive Biotechnology: Retrospective and Prospective Vision held at National Dairy Research Institute, Karnal on Jan 30-31, 2012 7. *Best Paper presentation award* by Dr G C Mishra Education Foundation during International Conference on Innovations and Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Ecology and Climate Change (AFHABEC-2018) on 19th May, 2018 at JNU, New Delhi 8. *Best Presentation Award* - **Ganguly A**, Maharana B R, Kumar A, Arora D, Bisla R S. Direct blood PCR detection of *Anaplasma* marginale and its effect on hematobiochemical profile in naturally infected dairy cattle. 3rd Convention and National Symposium, SVBBI, Dept. of physiology & Biochemistry, LUVAS, Hisar, 2nd-3rd Nov. 2018 9. *Best Poster Presentation Award* - **Ganguly A**, Maharana B R, Ganguly I. (2019). Standardization and validation of multiplex PCR assay for concurrent detection of *Babesia bigemina*, *Theileria annulata*, *Anaplasma marg*inale and *Trypanosma evansi* in cattle. XXVIII NCVP and National Symposium, SVVU, Tirupati, 28th-30th Jan, 2019 10. *Best Oral Presentation Award*- Maharana B R, **Ganguly A**,Arora D, Kumar A, Bisla R S. Development and validation of direct PCR RFLP assay for detection and differentiation of *Anaplasma* species in naturally infected goats. XXVIII NCVP and National Symposium, SVVU, Tirupati, 28th-30th Jan, 2019 11. *Best Oral Presentation Award* - Maharana B R, Potliya S, **Ganguly A,** Bisla R S and Ganguly I. First report of the isolation and phylogenetic characterization of equine *Setaria digitata* from India based on mitochondrial COI, 12S rDNA, and nuclear ITS2. 29th NCVP and National Symposium, COVSc, NDVSU, Jabalpur, 5-7 February, 2020 12. Acting as rapporteur/ chairman/ Co-Chairman in various technical/scientific sessions of national conferences.
Membership of Professional Scientific Societies	• Society of Veterinary Biochemistry and Biotechnology of India (SVBBI) • Haryana Veterinary council • Society of Biological Chemist, India
Editorial board of Scientific Journal	• Nil
Reviewer of Scientific Journals	Haryana Veterinarian BMC Veterinary Research IJAR
Any Other (if any)	•