

CURRICULUM VITAE

Ms. Gayatri Gujar

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Educational Qualifications

- **Ph.D.** (2021) in Livestock Production Management with 8.36 CGPA from College of Veterinary and Animal Science, RAJUVAS, Bikaner, INDIA
- **MVSc.** (2015-2017) in Livestock Production Management with 9.00 CGPA from College of Veterinary and Animal Science, RAJUVAS, Bikaner, INDIA
- **BVSc. & A.H.** (2010-2015) with 8.27 CGPA from College of Veterinary and Animal Science, RAJUVAS, Bikaner, INDIA.
- **Senior secondary** (2010) with 91.2% from I.G.J. Government Higher Secondary School, Pasighat, Arunachal Pradesh.
- **Matriculation** (2008) with 87% from D. Ering Memorial Secondary School, Pasighat, Arunachal Pradesh.

Achievements / Awards

- **Cleared National eligibility test (NET-2018)** with 53.56% in the discipline of Livestock Production Management.
- **Chancellor's gold medal** for holding first merit in Master's level exam, 2017.
- **University gold medal** for standing first in order of merit in MVSc. in Livestock Production Management.
- **30th batch alumni gold medal** for securing third position in BVSc. & A.H. examination in College of Veterinary and Animal Science, RAJUVAS, Bikaner.

Publications:

Published

- **Gayatri Gujar**, Vijay Kumar, Monika Sodhi, Prince Vivek, Manish Tiwari, and Manishi Mukesh. "Modulations in antioxidant defence system and expression of genes involved in antioxidant and apoptosis pathway helps ward-off heat stress incows reared in hot-arid ambience of Thar desert." **The Indian Journal of Animal Sciences** 94, no. 4 (2024): 333-341.
- **Gayatri Gujar**, Manish Tiwari, Nistha Yadav and Monika. "Heat stress adaptation in cows–physiological responses and underlying molecular mechanisms." **Journal of Thermal Biology** (2023): 103740.
- **Gayatri Gujar**, Vijay Kumar Choudhary, Prince Vivek, Monika Sodhi, Monika Choudhary, Manish Tiwari, Nampher Masharing, Manishi Mukesh (2022). Characterization of thermo-physiological, hematological, and molecular changes in response to seasonal variations in two tropically adapted native cattle breeds of Bos indicus lineage in hot arid ambience of Thar Desert. **International Journal of Biometeorology- Springer**, 66:1515–1529.

- **Gayatri Gujar**, Vijay Kumar Choudhary, Monika and Usha Choudhary (2022). Effects of Probiotic and Synbiotic Supplementation on Productive Performance of Sahiwal Cows Reared in Hot-Arid Ambience of Western Rajasthan. **Ruminant Science**, 11(1): 41-44.
- Manish Tiwari, Monika Sodhi, Preeti Verma, Prince Vivek, Ranjit S. Kataria, Saket K. Niranjana, Vijay K. Bharti, Nampher Masharing, **Gayatri Gujar**, Divya Chanda & Manishi Mukesh (2022), Selection of species specific panel of reference genes in peripheral blood mononuclear cells of native livestock species adapted to trans-Himalayan region of Leh-Ladakh. **Scientific Reports**, 12:18473.
- Manish Tiwari, **Gayatri Gujar**, C. G. Shashank, and Siriluck Ponsuksili. "Selection signatures for high altitude adaptation in livestock: A review." **Gene** (2024): 148757.
- Manish Tiwari, **Gayatri Gujar**, C. G. Shashank, Karpenahalli Ranganatha Sriranga, Rajkumar James Singh, and Nisha Singh. "Omics strategies for unveiling male fertility-related biomarkers in livestock: A review." **Gene Reports** (2024): 101928.
- Nistha Yadav, Satish Kumar Illa, Sabyasachi Mukherjee, **Gayatri Gujar**, Anupama Mukherjee (2022). Bayesian estimates for genetic and phenotypic parameters of growth traits in Sahiwal cattle. **Tropical Animal Health and Production**, 55:30.
- Nistha Yadav, Urmila Pannu, Basanti Jyotsana, Ved Prakash, Sagar A. Khulape, Ajay Kumar, **Gayatri Gujar**, and Manju Nehara. "Molecular characterisation of keratin-associated protein-7 (KRTAP7) gene for hair quality in Indian Dromedary Camel." **Journal of Camel Practice and Research** (2024): 57. (2024): 57-63.
- **Gayatri Gujar**, Prince Vivek, VK Choudhary, Monika Sodhi, Amandeep, Nampher Masharing, Manish Tiwari and Manishi Mukesh (2020). Seasonal dynamics of physiological response in Sahiwal cows adapted to hot-arid climate of Rajasthan state. **Journal of Livestock Biodiversity**, 10(1):32-37.
- **Gayatri Gujar**, Vijay Kumar & S.C. Goswami, (2018). Effect of Probiotic and Synbiotic Supplementation on Different Milk Constituents in Sahiwal Cattle. **International Journal of Livestock Research**, 8(9), 87-97.doi: 10.5455/ijlr.20180221060958.

Research Experience

- Worked at ICAR-National Bureau of Animal Genetics Research (NBAGR), under the supervision of Dr. Manishi Mukesh, Principal Scientist, and ICAR-National Fellow for one year.

DECLARATION

I hereby declare that all the information given above is appropriate at best of my knowledge.


Gayatri Gujar