

Dr. Nistha Yadav

nisthayadav145@gmail.com

Contact no. – 8560032858, 8290157456

✚ **Professional skills** – Doctor of Philosophy in Animal Genetics and Breeding from RAJUVAS, Bikaner. Post Graduation in Animal genetics and breeding from ICAR- National Dairy Research Institute, Karnal. Graduated from RAJUVAS, Bikaner with Bachelor's degree - B.V.Sc. & A.H. in 2018 (Batch-2013) and registered practitioner at RSVC (Rajasthan State Veterinary Council).

✚ **Languages known** – English, Hindi and Marwari.

✚ **Educational qualification**

Degree	Course/Subject	University	Year of passing	CGPA
Ph.D.	Animal Genetics and Breeding	RAJUVAS, Bikaner, Rajasthan	2024	8.69
M.V.Sc.	Animal Genetics and Breeding	ICAR-NDRI, Karnal, Haryana	2020	8.62
B.V.Sc. & A.H.	Veterinary Sciences and Animal Husbandry	RAJUVAS, Bikaner, Rajasthan	2018	8.57

✚ **Native place** – Kotputli, Jaipur, Rajasthan.

✚ **Doctoral Specification**

- **Research topic entitled as** – “Genetic Analysis of Coat Colour Variations and Hair Production in Indian Dromedary Camel”.
- **Major subject and specified research field** – Animal Genetics and Breeding.
- **Minor and supportive subjects** – Livestock Production & Management (LPM) and Animal Biotechnology.

✚ **Post Graduation Specification**

- **Research topic entitled as** – “Effectiveness of Bayesian Approach in Genetic Evaluation of Lifetime Traits in Indigenous Cattle”.
- **Major subject and specified research field** – Animal Genetics and Breeding.
- **Minor and supportive subjects** – Livestock Production & Management (LPM) and Economic Statistics (ES).

Work/Teaching experience (present to past)

- **17th May 2024 to present** - Assistant Professor (AGB), Arawali Veterinary College, Bajor, Sikar, Rajasthan.
- **12th Feb 2024 to 15th May 2024** - Assistant Professor (AGB), RPS, COVS, Mahendragarh, Haryana.

ICAR-NET-2021 (DOE-26th Aug 2021) Qualified.

Copyright granted - Registration number - L-161936/2025 on 3rd March 2025.

- For **Literary/Dramatic Work** the Catalogue is Based on Digital Imaging of Various Body Parts of Indian Dromedary Camel Bikaneri, Jaisalmeri, Kachchhi and Mewari, and Determining the Coat Colour Patterns Based on RGB Values; entitled as **“CATALOGUE OF VARIOUS SHADES OF BASIC COAT COLOURS IN INDIAN DROMEDARY CAMEL”** authored by Dr. Nistha Yadav, Dr. Urmila Pannu, and Dr. Ved Prakash; Rajasthan University of Veterinary & Animal Sciences, Bikaner , Vijay Bhawan Palace Complex, Veterinary University Road, Near Deen Dayal Upadhyay Circle, Bikaner – 334001, Rajasthan, India-334001.

Publications (Research Papers)

1. Nistha Yadav, Urmila Pannu, Basanti Jyotsana, Ved Prakash, Ajay Kumar, Gayatri Gujar, 2025. Quantitative and Qualitative Analysis of Hair-fibre Attributes in Four Indian Dromedary Camel (*Camelus dromedarius*) Breeds (2025). *Indian Journal of Animal Research*. **1-9**. doi: 10.18805/IJAR.B-5590.
2. Nistha Yadav, Urmila Pannu, Basanti Jyotsana, Ved Prakash, Sagar A. Khulape, Ajay Kumar, Gayatri Gujar and Manju Nehara, 2023. Molecular Characterization of Keratin-Associated Protein-7 (*KRTAP7*) Gene in Indian Dromedary Camel. *Journal of Camel Practice and Research*. **31(1)**: 57-63. DOI: 10.5958/2277-8934.2024.00010.9
3. Nistha Yadav, Sabyasachi Mukherjee and Anupama Mukherjee, 2023. Comparative Genetic Analysis of Frequentist and Bayesian Approach for Reproduction, Production and Life Time Traits Showing Favourable Association of Age at First Calving in Tharparkar Cattle. *Animal Bioscience*. **36(12)**: 1806-1820.
4. Nistha Yadav, Satish Kumar Illa, Sabyasachi Mukherjee, Gayatri Gujar and Anupama Mukherjee, 2023. Bayesian estimates for genetic and phenotypic

parameters of growth traits in Sahiwal cattle. *Tropical Animal Health and Production*. **55**:30. <https://doi.org/10.1007/s11250-022-03446-7>.

5. Nistha Yadav, Sabyasachi Mukherjee and Anupama Mukherjee, 2023. Effectiveness of Multi-Trait Gibbs Sampling (Mtgs) Analysis of reproduction and production traits for indirect selection in Sahiwal cattle. *SCI*-**3(3)**: 209-223. <https://doi.org/10.5281/zenodo.7697919> <https://www.thescientist.online/>.
6. Nistha Yadav, Sabyasachi Mukherjee, Shivam Bhardwaj, Oshin Togla, Shilpa Gujral and Anupama Mukherjee, 2022. Bayesian Using Gibbs Sampling (BUGS) Algorithm for Life Time Traits in Sahiwal Cattle. *Ruminant Science*. **11(1)**: 15-20.
7. Shivam Bhardwaj, Oshin Togla, Shabahat Mumtaz, Nistha Yadav, Jigyasha Tiwari, Lal Muansangi, Satish Kumar Illa, Yaser Mushtaq Wani, Sabyasachi Mukherjee and Anupama Mukherjee, 2024. Comparative Assessment of the Effective Population Size and Linkage Disequilibrium of Karan Fries Composite Cattle Revealed Viable Population Dynamics. *Animal Bioscience*. 37(5), 795. <https://doi.org/10.5713/ab.23.026>.
8. Punam, Ruchi Maan, Sunita Pareek, Sajjan Kumar, Praveen Kumar Pilania, Babita Kumari, Manisha Singharia, Nistha Yadav and Lalita Deora, 2022. Altered serum vitamin E and glutathione levels in broilers during hot humid ambience. *The Pharma Innovation Journal*. **11(1)**: 926-928.
9. Oshin Togla, Shivam Bhardwaj, Sagar Kadyan, Nistha Yadav and Shilpa Gujral, 2021. Influence of non-genetic factors on milk yield traits in Sahiwal cows. *The Pharma Innovation Journal*. **10(11)**: 2272-2276.
10. Oshin Togla, Shivam Bhardwaj, Nistha Yadav, Shilpa Gujral, Yaser Mushtaq Wani, Ishmeet Kumar and Anupama Mukherjee, 2021. Effect of non-genetic factors on the production performance traits in Gir cattle. *Ruminant Science*. **10(2)**: 265-270.

Publications (Review Articles)

1. Nistha Yadav, Anupama Mukherjee, Urmila Pannu and Gayatri Gujar, 2023. Approach and prospects of landscape genetics in livestock: A review. *Emergent Life Sciences Research*. **9(1)**: 33-39. <https://doi.org/10.31783/elsr.2023.913339>.
2. Nistha Yadav, Urmila Pannu, Manju Nehara and Gayatri Gujar, 2022. A Review on Thermoregulatory Responses in Tharparkar Cattle against Heat Stress. *Journal of Animal Research*. **12(05)**: 01-14.

3. Nistha Yadav, Urmila Pannu, Kajal Yadav, Shivani Malpotra, Dumne Pravinkumar Ram and Kangabam Bidyalaxmi, 2022. CRISPR/Cas9 technology: Current status and future scenario in livestock. *The Pharma Innovation Journal*. **11(2)**: 1827-1833.
4. Gayatri Gujar, Manish Tiwari, Nistha Yadav and Monika D. (2023). Heat stress adaptation in cows–physiological responses and underlying molecular mechanisms. *Journal of Thermal Biology*. **118**: 103740.
5. Shivam Bhardwaj, Oshin Togla, Vandana Yadav, Palak Tripathi, Nistha Yadav and Anupama Mukherjee, 2021. Impact of covid-19 on molecular cytogenetics in domestic animal studies: A mini-review. *The Pharma Innovation Journal*. **10(11)**: 2634-2638.

Book chapter(s)

1. Nistha Yadav, Prateek Rao, Damodaran Sreekumar and Urmila Pannu. 2025. Superior Heat Resilient Features for Physiological, Biochemical, Behavioral, Molecular, Neuroendocrine and Epigenetic Adaptation in Tharparkar Cattle. *Research Perspective on Biological Science Vol. 4, 4*, 128-154. DOI: <https://doi.org/10.9734/bpi/rpbs/v4/5697>. Print ISBN: 978-93-49970-70-0, eBook ISBN: 978-93-49970-28-1; BP International.
2. Co-editor in book entitled “FOODBORNE ZOONOTIC DISEASES: A COMPREHENSIVE”. 2024. Edition 1st, Pp 1-162. ISBN: 978-81-19915-05-7; Scripown Publications.
Nistha Yadav 2024. “An overview about the High Pathogenic Avian Influenza (HPAI): spread and unprecedented effect of this invisible killer” in book entitled as FOODBORNE ZOONOTIC DISEASES: A COMPREHENSIVE. 2024. Edition 1st, Pp 1-162. ISBN: 978-81-19915-05-7; Scripown Publications.
3. Nistha Yadav, Anshul Gautam and Ankit Magotra. 2024. The Feminism in Veterinary Sector: Not a Myth. Women Empowerment: Roles and Responsibilities. Indowise International Publisher, ISBN - 978-81-972331-4-2.
4. Anshul Gautam, Nistha Yadav and Ankit Magotra. 2024. Empowering Futures: Advancing Girl Child Education for Sustainable Development. Women Empowerment: Roles and Responsibilities. Indowise International Publisher, ISBN - 978-81-972331-4-2.

5. Prakash, Ved; Sahoo, Artabandhu; Jyotsana, Basanti; and Khulape, Sagar Ashok. 2024. Recent Developments in Livestock Phenome, Data Recording, Analysis and Interpretation in the Era of Genomics. ICAR-National Research Centre on Camel, Bikaner-334001, Rajasthan (India). ISBN - 978-81-955296-8-1. pp 1- 334.

Manual(s)

1. PRACTICAL MANUAL of LIVESTOCK PRODUCTION MANAGEMENT Paper-I (Unit 1-4), Department of Livestock Production Management, ARAWALI VETERINARY COLLEGE, SIKAR, 2024, Authored by DR. D. SREEKUMAR, DR. ANSHUL GAUTAM, DR. NISTHA YADAV AND DR. PRASHANT SAHARAN.
2. PRACTICAL MANUAL of LIVESTOCK PRODUCTION MANAGEMENT Paper-II (Unit 5-8), Department of Livestock Production Management, ARAWALI VETERINARY COLLEGE, SIKAR, 2024, Authored by DR. D. SREEKUMAR, DR. ANSHUL GAUTAM, DR. NISTHA YADAV AND DR. PRASHANT SAHARAN.
3. LABORATORY MANUAL OF Introduction to Animal Breeding, Department of Animal Genetics and Breeding, RPS, College of Veterinary Science, 2024, Authored by DR. NISTHA YADAV and DR. VIVEK KUMAR SINGH.
4. LABORATORY MANUAL OF LIVESTOCK PRODUCTION MANAGEMENT (UNIT 5 & 6), Department of Livestock Production Management, RPS, College of Veterinary Science, 2024, Authored by DR. JITENDRA KUMAR TALUKDAR, DR. NISTHA YADAV and DR. ANMOL PAREEK.
5. LABORATORY MANUAL OF LIVESTOCK PRODUCTION MANAGEMENT (UNIT 7), Department of Livestock Production Management, RPS, College of Veterinary Science, 2024, Authored by DR. JITENDRA KUMAR TALUKDAR, DR. NISTHA YADAV and DR. ANMOL PAREEK.
6. LABORATORY MANUAL OF LIVESTOCK PRODUCTION MANAGEMENT (UNIT 8), Department of Livestock Production Management, RPS, College of Veterinary Science, 2024, Authored by DR. JITENDRA KUMAR TALUKDAR, DR. NISTHA YADAV and DR. ANMOL PAREEK.

Awards:

- Best M.V.Sc. thesis award in 2nd International Agriculture Conference "Natural Farming Innovations: Enhancing Soil Health and Seed Quality with AI and Drones for a Greener Agricultural Future" on November 3-5, 2024.

- Young Scientist award in International Conference on Current Innovations and Technological Advances in Agriculture and Allied Sciences (CITAAS-2024).
- 3rd Position in Poster presentation at International Conference on Wildlife – Bioscience, Biotechnological Innovations and Avant-grdae Genetic Technologies (WBBIAGT-2023).
- Best Poster Presentation Award in the VIIth International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2022).
- University Gold medal and merit award for standing first in Ph.D. degree program of the university in the subject of Animal Genetics and Breeding.
- Awarded with dean's merit award at ICAR-NDRI during both semesters of course work in post-graduation degree.
- Awarded with Dr. Jyostna Ojha Gold Medal in B.V.Sc. & A.H. course programme-2018.

Hobbies –

- Reading
- Sports-Badminton, Chess

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