

# Curriculum Vitae

<b>Name</b>	Dr. VISHNU KUMAR
<b>Father's Name</b>	Sh. RAM KISHAN
<b>Date of birth</b>	24 <sup>th</sup> Oct 1985
<b>Permanent Home Address</b>	B-16, 4 <sup>th</sup> Floor, Saraswati Apartment, Sector 18, Pratap Nagar, Jaipur-302033
<b>Designation</b>	Assistant Professor
<b>Discipline</b>	Animal Genetics & Breeding
<b>Present place of posting</b>	Department of Animal Genetics and Breeding Post Graduate Institute of Veterinary Education and Research, Jmadoli, Jaipur
<b>Mobile No.</b>	9571881871, 9079255346
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## Academic Achievements:-

### Examinations/Degree

Exam*/Degree	Year	University or Board	% Marks or GPA**
Secondary	2000	Raj. Education Board , Ajmer	84%
Sr. Secondary	2002	Raj. Education Board , Ajmer	76.77%
B.V.Sc. & A H	2009	SKRAU, Bikaner	8.25/10
M V Sc (AGB)	2011	IVRI, Izatnagar	8.734/10
Ph.D. (AGB)	2021	RAJUVAS, Bikaner	8.78/10

### Awards and Distinctions during educational career

Second Rank in University in B.V.Sc. & A.H. Degree Programme
4 <sup>th</sup> rank in ICAR JRF in Animal Science in 2009
Highest OGPA holder in AGB Department in M V Sc
Awarded by ICAR-SRF and DST INSPIRE Fellowship
CSIR NET and ICAR NET Qualified
First Rank in Pre PG Entrance Examination in SKRAU
First Rank in NDRI and IVRI Ph D Entrance Examination in 2011
First Rank in RPSC Veterinary Officer Recruitment-2011

## PROFESSIONAL EXPERIENCE

### Positions held

Post with pay scale	Organization	Period	Place of Posting
Veterinary Officer	Dept. of Animal Husbandry, GoR	04/02/2013 to 18/07/2014	Akola Chittaurgarh

Assistant Professor	RAJUVAS, Bikaner	19/07/2014 to till date	CVAS, Navania (19/07/2014 to 26/01/2021) LRS Chandan (27/01/2021 to 23/02/2024) CVAS Bikaner (24/02/2024 to 19/10/2024) PGIVER Jaipur (21/10/24 to 11/11/2024) CVAS Jodhpur (12/11/2024 to 21/11/2024) PGIVER Jaipur (22/11/24 to till date)
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### Charges held

Charge	Name of office	Period	Place
Incharge	Livestock Farm Complex	15/06/2015 to 26/01/2021	CVAS Navania
Officer Incharge & DDO	Livestock Research Station	27/01/2021 to 02/04/2024	Chandan, Jaisalmer

### Direct involvement in Research Projects

SN	Project Title	Capacity in which associated	Funding Agency	Location	Duration
1.	Mega Sheep Seed Project on Sonadi Unit	PI	ICAR	Udaipur	31/07/2017 to 11/07/2022
2.	Conservation of Animal Biodiversity	CO-PI	State Plan	Udaipur/ Bikaner	09/07/2019 to till date
3	Conservation and Development of Marwari Goat	PI	Revolving Fund	Chandan	27/01/2024 to 02/04/2024
4	Fodder and Fodder s Seed Production	PI	Revolving Fund	Chandan	27/01/2024 to 02/04/2024
5	AICRP on Genetic Improvement of Marwari Goats in Farmers' Flock	PI	ICAR	CVAS Bikaner	08-04-2024 to till date

### Trainings and Workshops attended

S. No.	Title of the training/ Workshops	Duration with dates	Sponsored/Organized by
1	Concepts and Advances in Statistical and Molecular Approaches in Genetic Evaluation of Breeding Bulls for Sustainable Milk Production.	04/11/2016 to 24/11/2016 (21 Days)	CIRC, Meerut
2	Teaching Methodology	21/06/2019 to 11/07/2019 (21 Days)	RAJUVAS Bikaner
3	Value addition to sheep products with special reference to wool & mutton	12/04/2021 to 16/04/2021	CSWRI- Avikanagar and MANAGE Hyderabad (Online)

		(5 Days)	
4	National Level Workshop on SPSS- Statistical Software Package	27/09/2021 to 19/10/2021 (21 Days)	Essgee Digiskills (Online)
5	National Training Programme for Faculty Development	04/02/2022 to 11/02/2022 (7 Days)	NAARM Hyderabad (Online)
6	Genome Analysis Methods for Molecular Genetic Studies and Disease Diagnosis	09/03/2022 to 10/03/2022 (2 days)	NRCC, Bikaner
7	Multivariate Data Analysis	20/03/2023 to 27/03/2023 (7 days)	NAARM Hyderabad (Online)
8	Recent development in livestock phenome data recording, analysis and interpretation in era of genomics	03/01/2024 to 12/01/2024 (10 Days)	NRCC, Bikaner
9	Technological innovation in assisted reproductive technologies for the improvement of caprine germplasm	05/02/2024 to 14/02/2024 (10 Days)	CIRG, Makhdoom

#### Seminar/Symposium/Conferences attended

S. No.	Title of the Seminar/Symposium/Conferences	Duration with dates	Sponsored/Organized by and place
1	6th World Congress on Biotechnology on “Biotechnology: Meeting the Needs of a Changing World”.	05/10/2015 to 07/10/2015 ( 3 Days)	Omics Internationals- New Delhi
2	Sustainable Management of Livestock and Poultry Diversity for Enhancing the Farmers’ Income and XV Annual Convention of SOCDAB	08/02/2018 to 10/02/2018 (3 Days)	CVAS Bikaner
3	27 <sup>th</sup> National Congress of Veterinary Parasitology and National Symposium on “Technologies for sustainable parasite control and readdressal of detection methods directed for upliftment of rural economy	12/02/2018 to 14/02/2018 (3 Days)	CVAS Navania
4	Vlth Annual Convention of Society for Veterinary Science & Biotechnology (SVSBT - 2018) and National Symposium on “Newer Concepts and	13/12/2018 to 14/12/2018 ( 2 Days)	CVAS Navania

	Approaches for Improvement in 5Animal Health and Production”		
5	National conference on “Paradigm shift in Livestock Management to obtain high quality animal products for enhancing farm economy and entrepreneurship” and 27th Annual Convention of the Indian Society of Animal Production and Management (ISAPM)	04/02/2020 to 06/02/2020	PGIVER, Jaipur
6	22 <sup>nd</sup> Indian Veterinary Congress, XXIX Annual Conference of IAAVR & National Symposium on advancements in veterinary medical research contributing to one health for betterment of animal and public health and their welfare	08/04/2022 to 09/04/2022 (2 Days)	CVAS Navania
7	National Seminar cum Annual Conference of Indian Society for Sheep & Goat Production and Utilization (ISSGPU) on Prospects and Potential of Small Ruminants Production for Enhancing Income under Changing Scenario	10/11/2022 to 12/11/2022 (2 Days)	CSWRI- Avikanagar
8	National Seminar on 'Importance of Standardization from Animal Health and Welfare Perspective'	04/06/2024 (1 Day)	RAJUVAS Bikaner
9	National Symposium on Role of RAJUVAS and Growth of Livestock Based Economy in Rajasthan	20/07/2024 (1 Day)	RAJUVAS Bikaner

### Teaching Experience

Degree Programme	Courses taken
Animal Husbandry Diploma Programme	Farm Practices Introductory Animal Genetics an Breeding Introductory Veterinary Pharmacology Introductory Animal Nutrition Minor Veterinary Surgery Animal Husbandry Extension
B V Sc and A H	Biostatistics and Computer Application Principles of Genetics and Population Genetics Livestock and Poultry Breeding Livestock Farm Practices
M V Sc	Biometrical Genetics Laboratory Animal Breeding Animal Cytogenetics Conservation of Animal Genetic Resources Population Genetics and Quantitative Genetics

**Involvement in other academic activities:**

1. Setting of question paper of AHDP at University level.
2. Evaluation of answer booklets of B V Sc and A H an AHDP within university
3. Evaluation of Answer booklets of B V Sc and A H in other University.
4. Duty of External Examiner for B V Sc and A H in other University
5. Review of research papers of NAAS rated journals.

**Guiding of students**

**Master Degree** – As Major advisor -02, Members of Student advisory committee- 07

**Publications****1. Research Papers-20**

1. Genetic Polymorphism in DRB3.2 gene and its association with mastitis in crossbred cattle. (2013). Vishnu Kumar, Dharmeswar Das, Bharat Bhushan, Vaibhav Patel and Manjit Panigrahi. *Indian Veterinary Journal*, 90(10):96-98.
2. Molecular characterization of lactoferrin gene and its association with mastitis in crossbred cattle. (2015). Vaibhav Patel, Bharat Bhushan, Vishnu Kumar, Manjit Panigrahi, Sanjeev Ranjan and Pushendra Kumar. *Indian Journal of Animal Research*, 49 (6):757-760.
3. Influence of non- genetic factors on growth performance of Sonadi sheep in farmer's flock. (2015). PC Sharma, Mithesh Gaur, Sunil Arora, Surendra Singh, Vishnu Kumar, KS Nehra and RK Nagda. *Ruminant Science*, 4 (2):29-32.
4. Estimation of Growth Curve Parameters Using Non-Linear Growth Curve Models in Sonadi Sheep. (2018). Lokesh Gautam, Vishnu Kumar, Hina Ashraf Waiz and Rajendra Kumar Nagda. *International Journal of Livestock Research*, 8 (9):104-113.
5. The Estimation of Genetic and Phenotypic Parameters of Growth Curve Traits in Sirohi Goat Using Brody Function. (2019). Dinesh Kumar Sunwasiya, Lokesh Gautam, Vishnu Kumar, Rajendra Kumar Nagda and Pankaj Garhwal. *Journal of Animal Research*, 9(2):375-381.
6. Comparison of non-linear growth curve models in Sirohi goat. (2020). Dinesh Kumar Sunwasiya, Lokesh Gautam, Vishnu Kumar and Pankaj Garhwal. *Ruminant Science*, 9 (1):145-150.
7. Genetic study on growth efficiency in Sirohi goats under field condition. (2020). Vishnu Kumar and RK Nagda. *Journal of Entomology and Zoology Studies*, 8(5): 702-705.
8. Genetic Study on Relative Growth Rate in Sirohi Goats under Field Condition. (2020). Vishnu Kumar, R.K. Nagda, K.S. Nehra, M.L. Gurjar, M.C. Sharma, S.K. Sharma and R.K. Joshi. *International Journal of Current Microbiology and Applied Sciences*; 9(9): 2602-2608.
9. Expression profile of IL-1 $\beta$  in Peste des petits ruminants (PPR) vaccinated goats. (2020). D. K. Sharma, B. Joseph, R. Singathia, R. Dadich, A. Gaurav, S.K. Sharma, R. K. Nagda, V. Kumar and K. Sokhal. *Asian Journal of Microbiology, Biotechnology & Environmental Sciences*; 22(4):637-641.
10. Genetic investigation on Kleiber ratio in Sonadi sheep. (2021). Gaurav Kumar Bansal, Vishnu Kumar, RK Nagda and Renuka Hada. *Journal of Entomology and Zoology Studies*, 92(2): 1038-1041.
11. Factors affecting Average Daily Gain in Sonadi Sheep. (2022). G.K. Bansal, Vishnu Kumar, R.K. Nagda and Renuka Hada. *Indian Journal of Small Ruminants*, 28(1): 20-23.
12. Observation on Homeopathic Medicine for Deworming in Sheep. (2022). Sunil Arora, Goverdhan Singh, Gargi Khera, Tanmay Khera and Vishnu Kumar. *Ruminant Science*, 11(1):239-241

13. Factors affecting average daily gain in sirohi goats at farmers' flocks. (2022). Vishnu Kumar and R. K. Nagda. *Ruminant Science*, 11(2):351-356.
14. Growth Rate Performance of Sonadi Sheep in Terms of Growth Efficiency. (2023). Renuka Hada, R.K.Nagda, Vishnu Kumar and Gaurav Kumar Bansal. *Journal of Experimental Agriculture International*, 45(9):128-134.
15. Cross-population genetic analysis revealed genetic variation and selection in the Ovar-DRB1 gene of Indian sheep breeds. (2022). G. R. Gowane, Priya Sharma, Rajiv Kumar, S. S. Misra, Rani Alex, V. Vohra, S.Chhotaray, Gopal Dass, Ashish Chopra, Yogesh Kandalkar, V. Vijay, Abhinav Choudhary, Ankit Magotra& R. Rajendran. *Animal Biotechnology*. DOI: 10.1080/10495398.2022.2125404
16. The Effect of Non-Genetic Factors on Relative Growth Rate of Sonadi Sheep at Different Ages. (2023). Renuka Hada, Rohit Sharma, R.K.Nagda, Vishnu Kumar and Gaurav Kumar Bansal. *Current Journal of Applied Science and Technology*, 42(26):38-43
17. Inflammasome Activation and Pro-inflammatory Cytokines Genes Expression Following Exposure of PPRV in Vero Cells. (2023). Deepak Kumar Sharma, Bincy Joseph, Rajesh Kumar Singhtiya, Abhishek Gaurav and Vishnu Kumar. *Indian Journal of Animal Research*, DOI:10.18805/IJAR.B-5102:1-7.
18. Study of Genetic Parameters for Kleiber Ratio in Sonadi Sheep. (2023). Gaurav Kumar Bansal, Vishnu Kumar, R. K. Nagda, Krishna Nand Bansal, Renuka Hada and Ravta Ram. *Theriogenology Insight*, 13(01):01-05
19. Factors influencing pre- and post-weaning Kleiber ratios in Sonadi sheep. (2023). Nirmala Dhaka, Vishnu Kumar, R.K. Nagda and Omprakash. *Indian Journal of Small Ruminants*, 29(1):148-151.
20. Influence of non-genetic variables on the body weight of Sonadi sheep. (2024). Renuka Hada, Rohit Sharma, RK Nagda, Vishnu Kumar and Gaurav Kumar Bansal. *International Journal of Research in Agronomy*, SP-7(7):01-05.

## **2. Study Materials:-**

1. Glossary of Animal Genetics and Breeding.
2. Practical Manual of AGB for undergraduates.
3. PowerPoint slide for teaching

## **3. Popular articles -06**

1. Dairy Pashuon Me Nasl Sudhar evm Swasthya Prabhandhan- Kheti Feb-2011
2. Dairy Pashuon ka Vaigyanik Prabhandhan - Pashupalan Varta –Nov 2012
3. Aaj ki bachhiya Kal Ki Gai- Surabhi -2012
4. Mans Hetu Bhains ke nar bachhadon ka Prabhandhan- Pashudhan Prakash-2012
5. Coccidiosis in Poultry and Their Management- 2018
6. Dairy pashuon me nasl Sudhar karyakram me pashupalak ka aham Yogdan- PashudhanPraharee-2022
7. Bhedo me Khurpaka Rog – Kheti, October 2024.

## **AUDIO VISUAL AIDS DESIGNED/DEVELOPED**

<p>2 Etv Talks in Annadata Programme Success story video capsule in MSSP</p>
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## **Participation in Administration Corporate Life**

<b>Participation in Committees/Bodies</b>	Member of committee for fixation of rate of farm produce, Animal Purchase at CVAS Navania ,LRS Dug and Bojunda, Culling committee, Feed fodder purchase committee, Milk tender committee of Vallabhnagar, Dug and Chandan
<b>Membership of professional Societies and office held</b>	Lifetime Member of Indian Science Congress and Indian Society of Sheep and Goat Production and Utilization
<b>Co-curricular Activities Sports/Games/Cultural Activities</b>	Convener of Debate and Elocution competition in sports and cultural week of college