

Resume

Dr. Rana Ranjeet Singh

Associate Professor & Head (LPM)

Vanbandhu College of Veterinary Sciences & Animal Husbandry

Navsari Agricultural University, Navsari-396 450, Gujarat, India.

1. Educational Summary

Sr. No.	Exam Passed	Year	Board/University
1.	B. V. Sc. & A.H.	2003	W.B.U.A& F. Sc. Kolkata, WB, India
2.	M. V. Sc. (LPM)	2005	IVRI, Izatnagar, Bareilly, India
3.	Ph.D. (LPM)	2009	IVRI, Izatnagar, Bareilly, India
4.	Course on Computer Concepts plus (CCC+)	2009	SPIPA, Gujarat, India
5.	General Course on Intellectual Property (DL-101)	2010	World Intellectual Property Organization, World Academy, Geneva, Switzerland
6.	Certificate Course on Farm Data Management, Sharing and Services for Agriculture Development	2019	Technical Centre for Agricultural and Rural Cooperation (CTA) & Food and Agriculture Organization (FAO), Rome, Italy

2. Research Background for the Fulfillment of Degree Programmes

Sr. No.	Degree	Title
1.	M. V. Sc	Influence of body condition score on performance and blood biochemical profile in crossbred cattle.
2.	Ph.D.	Phenotypic characterization of ' <i>Vrindavani</i> ' a synthetic crossbred cattle strain.

3. Academic Achievements/Awards/Scholarships

Sr. No.	Details of Awards/ Scholarships/ Recognition:
1.	Merit Scholarship (1998-2003) by W.B.U.A. & F. Sc, Kolkata during B. V. Sc. & A.H.
2.	Junior Research Fellowship (2003-2005) AIEE-17 th rank: ICAR by ICAR, New Delhi for pursuing M. V. Sc in Livestock Production and Management at IVRI, India.
3.	Institute fellowship (SRF, 2005-2009) by IVRI, Izatnagar, Bareilly, India for pursuing Ph. D. in Livestock Production and Management.
4.	Dr. C. M. Singh Award (Gold Medal): Best Ph.D. Scholar (2009) by IVRI, Izatnagar, Bareilly, U.P., India.
5.	Best Oral Presentation Award: 09

6.	Best Poster Presentation Award: 04
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4. Job Experience: More than 11 years

5. Teaching: Courses taught

Sr. No.	Course codes	Number of courses taught
I. U.G. Courses		
1.	LPM-111, 121, 122, 211, 222, 311, 322 and 411, Unit-1, 3, 5, 9	12
II. P.G. courses		
1.	<ul style="list-style-type: none"> • PGS-503 & 506. • LPM-603, 606, 607, 608, 609, 610 and 613. • LPM-703 & 706. • Dairy products management (ABM) 	12

6. Research Projects Handled

Sr. No.	Title of Projects	Capacity
A. Completed Research Projects		
1.	Study on dairy husbandry practices in Navsari taluka of Navsari district	P.I.
2.	Study on Milking Behaviour of Surti Buffalo.	P.I.
3.	Influence of Body Condition Score on Performance and Blood Biochemical Profile in Surti Buffalo	P.I.
4.	Study on dairy husbandry practices in Jalalpore taluka of Navsari district	Co- P.I.
5.	Study on dairy husbandry practices in Chikhli taluka of Navsari district	Member
6.	To study diaphoretic pattern of Surti buffalo.	Member
7.	Use of physical activity monitoring for estrus detection in Surti buffaloes.	P.I.
8.	Study on behavioural facets of Surti buffaloes.	P.I.
9.	Effects of rubber mat bedding on the lying behavior, cleanliness and hoof and hock injuries of crossbred cows.	Co- P.I.
10.	Evaluation of buffalo management practices in peri-urban dairy farms of Surat city.	Co- P.I.
11.	Study of Suckling behavior and mothering ability vis-à-vis production performance of Surti goat.	Co- P.I.
12.	Evaluation of phytogenic feed additive supplementation on growth performance, nutrient utilization, anti-oxidants and health status of Surti goat kids.	Co- P.I.
13.	Strategies to mitigate the impact of climate change: Effect of 75% green agro-net on production, reproduction and stress parameters in Surti buffaloes.	Co- P.I.
14.	An investigation on skin temperature differentials in relation to estrus in Surti goats by infrared thermography.	P.I.

15.	Measurement of heat stress and its impact on behavior and production performance in Surti buffaloes in different seasons.	Member
16.	Cutaneous thermal profiling of Surti does in different seasons	Member
B. Ongoing Research Projects		
1.	Establishment of Secondary Agriculture Unit at NAU, Navsari under World Bank funded National Agricultural Higher Education Programme (NAHEP), ICAR, New Delhi	Co- P.I.
2.	Placental morphometry vis-à-vis neonatal behavior in Surti buffaloes	Co- P.I.
3.	Association of udder and teat morphometric with milk yield and udder health in lactating Surti buffaloes.	Co- P.I.

7. Member in Students Advisory Committee

- Major Advisor: 10
- Minor advisor/member: 22

8. Publications

A: Research Papers/Original Research	: 45
	<ul style="list-style-type: none"> • Number of Publications with NAAS rating 6 or above: 18 • Number of Publications with NAAS rating 4 to less than 6: 13 • Number of Publications with NAAS rating <4: 14
B: Text Book/Training Manual/Booklets/Seminar Compendium/ Laboratory Manuals Published	
I.	Text book: Farm animal management: Principles and Practices, ISBN: 9789383305032
II.	NIPA, New Delhi.2013
III.	Training manual for Livestock Inspectors, 2011
IV.	Training manual for Livestock Inspectors, 2010
V.	Training manual for Veterinary officers ASCAD-2011
VI.	Training manual for Veterinary officers ASCAD-2013
VII.	Training manual for Veterinary officers ASCAD-2013
VIII.	Training manual for Veterinary officers ASCAD-2014
IX.	Training manual for Livestock Inspectors: ASCAD-2015
X.	Lead papers` compendium: Revisiting management policies and practices for indigenous livestock & poultry breeds as eco-friendly economic producers. Souvenir cum lead papers of National Seminar: 2014
XI.	Laboratory manuals for undergraduate students of B.V.Sc. & A.H.: 15
C: Popular article/lead papers: 23	
D: Abstract published: 40	

9. Participated in Seminar/Symposium/Conferences/Training Programmes:

Participated in more than 30 Seminar/Symposium/Conferences/Training Programmes.

10. Professional Affiliation

1. Life member of Society for conservation of domestic animal biodiversity (SOCDAB), Karnal, Haryana.
2. Life member of The Indian Society of Animal Production and Management, Kolkata, West Bengal.

11. Others

- Acted as NCC officer for B. V. Sc. & A. H. students
- Acted as Sports Advisor (cricket)for B. V. Sc. & A. H. students
- Acting as convener for Study circle module of U. G. students
- Member of board of studies (veterinary science)
- Member project monitoring evaluation committee, NAHEP-CAAST
