



**Department of Livestock Farm Complex,
College of Veterinary Science and Animal Husbandry,
Kamdhenu University,
Himmatnagar**

About the Department:

Livestock Farm Complex (LFC) has been established at the Rajpur (Nava) Campus in Himmatnagar to give hands on training for livestock management to Diploma students. The department has various sheds for different livestock species and equipment to give practical training to students. The purpose of the LFC is to provide exposure to students in all aspects of livestock management including breeding, cleaning, feeding, watering, grooming, milking, routine health care, record keeping, sanitation, housing, and fodder production.

The college has LFC for practical training on feeding, breeding and record keeping for various livestock species including following species;

- Cattle & Buffalo Unit
- Sheep & Goat Unit

The college has signed **MoU's** with private livestock farms for following species to impart training on Animal Husbandry practices;

- Cattle
- Buffalo
- Goat
- Horse
- Poultry

Research Area:

1. Animal behaviour
2. Economics of livestock business
3. Livestock rearing practices in North Gujarat region
4. Shelter / housing of livestock

Project Details:

Sr. No.	Title of Research Programme	PI	Year	Status
1.	Survey on camel husbandry practices by camel cart owners in Sabarkantha District	Dr. Brijal C. Barot	2022 Onward	Ongoing

List of Faculty Publication:

RESEARCH ARTICLES:

1. Brijal C Barot*, Navin Patel, Durgga Rani V, TKS Rao and Anusmita Baishya (2021). Effect of milking system on production performance and milking behavioral traits in HF crossbred cattle. *The Pharma Innovation Journal*; SP-10(12): 719-723 (2021). NAAS Rating: 5.23, Impact Factor: RJIF 5.98 (2021).

2. NB Bhati, PB Rathod, FM Kapadiya, PP Makwana, AI Dadawala, LM Sorathiya and KN Patel (2021). Milk marketing practices adopted by farmers in Banaskantha district of North Gujarat. *The Pharma Innovation Journal*; SP-10(10): 92 (2021). NAAS Rating: 5.23, Impact Factor: RJIF 5.98 (2021).
3. AI Dadawala, PP Makwana, NB Bhati, FM Kapadiya, TP Patel, PB Rathod and SB Deshpande (2022). *The Pharma Innovation Journal* ; SP-11(4): 1660-1662 (2022).
4. Abhishek B. Parmar*, Vipul R. Patel, Jignesh M. Patel, Umed V. Ramani and Dhruv N. Desai (2022). Efficacy of dietary quercetin supplementation with high energy diet model in broilers: implications on zoo technical parameters, serum biochemistry, antioxidant status, patho-morphology and gene expression studies. *Animal Production Science*, 62(6): 554-571. NAAS RATINGS: 7.53, IMPACT FACTOR: 1.533 (2022).
5. Abhishek B. Parmar*, Vipul R. Patel, Mahipal Choubey, Dhruv N. Desai, Nishant M. Patel and AnusmitaBaishya(2022). Evaluation of tropical top feed species for their nutritional properties, in vitro rumen digestibility, gas production potential and polyphenolic profile. *Range Management and Agroforestry*, 43(1):146-153. NAAS RATINGS: 6.37(2022).
6. A. B. Parmar*, V. R. Patel, Y. D. Padheriya, A. P. Raval , S. D. Rathwa and S. S. Patel (2022). Effect of dietary supplementation of vegetable oil and quercetin on haematological indices and gut attributes in broiler chickens. *Indian Journal of Animal Health*, 61(1): 139-146. NAAS RATINGS: 5.21 (2022).
7. Parmar A.B.*, Patel D.C., Sarvaiya N.P Parmar A.P., and Patel H.H. (2022). Influence of feeding formaldehyde treated guar(*Cyamopsis tetragonoloba*) meal and prill fat supplementation on water intake and water requirement of growing surti buffalo calves. *International Journal of Agriculture Sciences*, 14 (10), 11752-11754. NAAS RATINGS: 4.58 (2022).
8. Parmar A.B.*, Patel D.C., Parmar A.P., Sarvaiya N.P., Pandya P.H. and Patel P.D. (2022). Effect of dietary inclusion of formaldehyde treated guar meal and rumen protected faton plane of nutrition and concentrate: roughage intake in growing surti buffalo calves.*International Journal of Agriculture Sciences*, 14 (10), 11764-11767.NAAS RATINGS: 4.58 (2022).
9. Dhruv C. Prajapati, Dilip C. Patel*, Abhishek B. Parmar, Shveta N. Patel. (2022). Influence of rumen protected fat supplementation on nutrient intake and feed conversion efficiency in buffaloes. *Indian Journal of Veterinary Sciences and Biotechnology*, 18 (5): 40-45.NAAS RATINGS: 5.58 (2022).
10. Abhishek B Parmar*, Dilip C Patel, Nitesh P Sarvaiya, Ajay P Parmar, Arjun J Dhami and Priya J Ahir (2023).The formaldehyde treated guar meal and prill fat, agro industrial by-products as dietary rumen protected protein and energy source: improves growth performance, feed conversion, nutrient utilization, microbial protein synthesis, blood metabolites and economic efficiency in growing dairy buffalo (*Bubalus Bubalis*) calves. *Tropical Animal Health and Production*, 55, 17(2023). NAAS RATINGS: 7.56, IMPACT FACTOR: 1.93 (2023).

POPULAR ARTICLES (GUJARATI & ENGLISH): (03)

1. N.B. Bhati, P.B. Rathod, P.P. Makwana, B.C. Barot (2022). An Overview: Integrated Farming System. The science world; 2(10), 1706-1710 (2022).
2. ડૉ. શ્વેતા એન. પટેલ, ડૉ. બ્રિજલ સી. બારોટ અને ડૉ. કોમલ એન. પટેલ (૨૦૨૨). “શ્વાન આરોગ્ય જાળવણી માટે મહત્વના પોષક તત્વો”. ગૌધૂલિ, કામધેનુ યુનિવર્સિટીનું ત્રીમાસિક પ્રકાશન, અંક-૦૩, જુલાઈ-સપ્ટેમ્બર (૨૦૨૨).
3. ડૉ. કોમલ એન. પટેલ, ડૉ.પી.બી.રાઠોડ અને ડૉ. બ્રિજલ સી. બારોટ (૨૦૨૨). “પશુઓમાં સંકરણના લાભલાભ”. ગૌધૂલિ, કામધેનુ યુનિવર્સિટીનું ત્રીમાસિક પ્રકાશન, અંક-૦૨, એપ્રિલ-જુન (૨૦૨૨)
4. Abhishek B. Parmar, S. V. Shah and D. C. Patel. કંમ્પોસ્ટ પથારી: દૂધાળું પશુઓના રહેઠાણ વ્યવસ્થામાં એક નવીનતમ પદ્ધતિ, કૃષિ ગોવિધા, 2(890), pp.33-39, June, 2022.
5. Abhishek B. Parmar, D.C.Patel, N. P. Sarvaiya And A.P.Parmar ગુવારભરડો: દૂધાળું પશુઓના આહારમાં અપ્રચલિત ગુણવત્તાસભર પ્રોટીનનો એક આશાસ્પદ સ્ત્રોત. ગોદર્શન ગાર્દડ, 2(11), pp.21-26, Sepetmber, 2022.

ACADEMICS:

- Undergraduate (UG)
Practical (as per VCI MSVE, 2016)

✓ **LIVESTOCK FARM PRACTICES (Third year) Cr. Hr. 0+2=02**

FACILITIES AVAILABLE IN DEPARTMENT OF LIVESTOCK FARM COMPLEX



















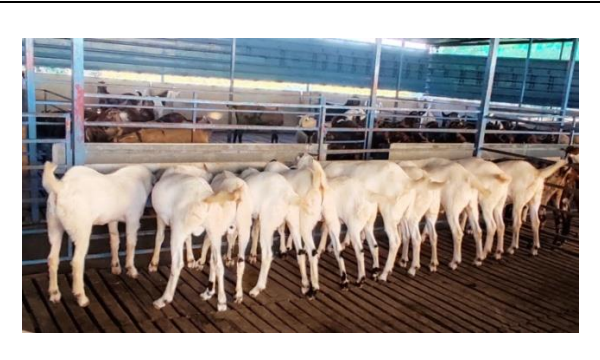
MOU's undertaken by the University with following Private Farm Owners:

- 1) Haidari-2 Poultry Farm (Ganeshpura)
- 2) Al-Aman Goat Farm (Kesharpura)
- 3) Rupal Stud Farm (Kesharpura)
- 4) Kamdhenu Dairy Farm (Himatnagar)
- 5) Buffalo Farm (Illol)

Haidari-2 Poultry Farm (Ganeshpura)



Al-Aman Goat Farm (Kesharpura)



Rupal Stud Farm (Kesharpura)



Kamdhenu Dairy Farm (Himmatnagar)



Buffalo Farm (Illol)

