

Department**Name of Department: Livestock Production Management****Faculty**

Sr. No	Name	Designation	E-mail	Mobile number	Joining Year	Qualification	Experience (Year)
1	Dr. S. V. Shah	Professor and Head	hodlpmand@kamdhenuuni.edu.in	9725203864	1986	Ph. D.	35
2	Dr. M. M. Trivedi	Professor	mmtrivedi@kamdhenuuni.edu.in	9879128863	2006	Ph. D.	32
3	Dr. R. J. Modi	Assistant Professor	rjmodi@kamdhenuuni.edu.in	9427560085	2012	Ph. D.	13
4	Dr. Y. G. Patel	Assistant Professor	ygpatel89@kamdhenuuni.edu.in	9428947160	2016	M. V. Sc	5

Department

Name of Department: Livestock Production Management

About the Department

Department of Livestock Production & Management was earlier known as Department of Animal Management and Economics. Since its inception with the college, offers eleven undergraduate and twenty-five post-graduate courses (25 M. V. Sc. & 10 Ph.D.) in the Veterinary faculty. In addition, teaching of Diploma/under-graduate courses of Animal Sciences at B.A. College of Agriculture, College of Agriculture Jabugam and S.M.C. College of Polytechnic, one course of Milk Production at Dairy Science College. This department is primarily involved in Teaching, Research & Extension activities. This department involves in various farmer-oriented training programs, for technical staff as well as valuable suggestion to Government as recommendation. Along with theory classes, the undergraduate students get intensive practical training at the instructional farm. This department is pioneer in India in the establishment of Instructional Farm of Livestock (previously known as livestock farm complex) with the financial assistance from ICAR for imparting practical training to students in 1964. The farm has (a) cattle unit (Kankrej, Gir& HF x Kankrej crossbred) (b) Sheep unit (Marwari, Patanwadi and Merino x Patanwadi crossbred) (c) Goat unit (Marwari &Surti) (d) Equine unit (Kathiawadi horses) (e) Rabbit unit (f) Poultry unit & (g) Fodder production unit with 11 hectares of land. The Instructional farm generates a sizeable income of 14 to 15 lacks per annum.

Research Area

1. Effect of water restriction on Sheep and Goat
2. Effect of Different feeding practices on growth performance of Sheep and Goat
3. Effect of different floor and housing facility on growth performance of Sheep and Goat
4. Effect of Different feeds on performance of different livestock species

Research Project

Completed					
Sr. No.	Name	Duration	Funding Agency	Budget (in Lakh)	PI and CO-PI
1	Development of Economic Feeding System for Meat Production from Sheep and Goats Native of Gujarat State and their Crosses using Non-Conventional Feeds.	1992-94	ICAR	3.25	PI: Dr. S. Parnerkar Co-PI: Dr. A. M. Patel Dr. K. N. Wadhvani Dr. P. R. Pandya
2	Draftability of Aged bullocks of Gujarat State	1997-98	Other	8.00	PI: Dr. A. M. Patel CO-PI: Dr. A. J. Pandya Dr. K. N. Wadhvani Dr. S. V. Shah Dr. M. M. Trivedi
3	Sustainable high production of Indigenous and crossbred cattle and buffaloes in rural households under sugarcane based production system. (Lead center).	2000-03	NATP	116.00	PI: Dr. A. M. Patel CO-PI: Dr. S. V. Shah Dr. K. N. Wadhvani Dr. M. M. Trivedi Dr. A. J. Pandya
4	Establishment of elite nuclear flock of 100 Marwari goats at Godhara/Dahod.	2008-12	Plan	104.00	PI: Dr. A. M. Patel / Dr. K. N. Wadhvani CO-PI: Dr. K. N. Wadhvani
5	Draft Power Generation by Camel and Evaluation of Medicinal value of Kachchhi Camel Milk.	2010-12	Other	15.00	PI: Dr. K. N. Wadhvani CO-PI: Dr. D. N. Rank Dr. S. K. Bhavsar Dr. K. D. Aparnathi Dr. C. G. Joshi Dr. J. S. Arya Dr. M. M. Trivedi Dr. A. B. Patel
6	Entrepreneurship oriented male weaner goat rearing and selling	2008	ICAR	54.17	PI: Dr. S. V. Shah CO-PI:

	unit				Dr. R. J. Modi Dr. M. M. Islam Dr. Y. G. Patel
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કર્મચરુ					
Sr. No.	Name	Duration	Funding Agency	Budget (in Lakh)	PI and CO-PI
1	Strengthening of Entrepreneur program as per VCI (2008) at Veterinary College, Anand	2009	Plan	135.00	PI: Dr. S. V. Shah CO-PI: Dr. R. J. Modi Dr. M. M. Islam

Achievements

- Sardar Patel Agricultural Research Award – Animal Science for the Year – 1997 IInd Prize with certificates and a cash prize of Rs. 25,000/- Team Leaders: Dr. S. Parnerkar and Dr. Ashok M. Patel Co-workers: Dr. K.N.Wadhvani, Dr. L. H. Saiyed, Dr. P. R. Pandya and Dr. K. S. Patel. For the development of Economic Feeding System for Meat Production from Sheep and Goats Native of Gujarat State and their Crosses using Non-Conventional Feeds during 1991 – 94.
- Prof. J. P. Trivedi Prerit Hariom Ashram Award (Animal Husbandry) Year-1996 of Ministry of Agriculture and Co-operation Govt. of Gujarat For the research on “Feedlot performance – Economic ration for Sheep & Goat.” Team: Dr. S. Parnerkar, Dr. A. M. Patel, Dr. K. N. Wadhvani, Dr. P. R. Pandya and Dr. L. H. Saiyed.
- Fellow National Award to Dr. A. M. Patel and Dr. K. N. Wadhvani by Indian Society of Animal Production Management (ISAPM).
- Y. D. Padheriya, Manisha Patel, K. N. Wadhvani and C. G. Joshi has been awarded 2nd prize in poster presentation on Status of Oxidative Stress Biomarkers of Kachchhi camel during exercise during National Seminar at NDRI, Karnal between 28th to 30th January, 2013.
- D. N. Singh, K. N. Wadhvani and A. M. Patel has been awarded 2nd prize in poster presentation on Comfortable Housing System for Indian Sheep during Intense Summer Season during National Seminar at AAU, Anand between 28th to 30th January, 2014.
- Neelam Gupta, A. V. Khanvilkar, H. Wasim, Y. D. Padheriya and K. N. Wadhvani has been awarded Dr. N. S. R. Sastry Young Scientist Award during National Seminar at AAU, Anand between 28th to 30th January, 2014.

- K. N. Wadhvani, B. M. Mehta and K. D. Aparnathi has been awarded 2nd prize in poster presentation on Nutrients Composition of Kachchhi Camel Milk during National Seminar at AAU, Anand between 28th to 30th January, 2014.
- Y. D. Padheriya, M. M. Islam and K. N. Wadhvani has been awarded 2nd prize in oral presentation on Physiological Responses of Kachchhi Camel during Exercise during National Seminar at AAU, Anand between 28th to 30th January, 2014.
- Nitin Patel, R. J. Modi, M. M. Islam and K. N. Wadhvani has been awarded 1st prize in oral presentation on Comparative body weight of indigenous sheep breeds on dehydration and rehydration in middle Gujarat during summer season during ISAPM International Seminar at Hyderabad 28th to 31st January, 2016.
- R. P. Patel, R. J. Modi, M.M. Islam, Y. G. Patel and K. N. Wadhvani has been awarded 2nd prize in oral presentation on Comparative body weight of indigenous sheep on water deprivation during summer season during ISAPM National Conference at SDAU, SK Nagar, 11-13 April, 2018.
- Aruna D. Patel, M. M. Islam, R. J. Modi, N. R. Patel, Y. G. Patel and K. N. Wadhvani has been awarded 1st prize in oral presentation on Production performance of HFxK crossbred cows during different generations under intensive production system during ISAPM National Conference at SDAU, SK Nagar, 11-13 April, 2018.

Research Article Publication:

- Islam, M. M., Modi, R. J. and Wadhvani, K. N. 2016. Scenario of Livestock and Poultry in India and their Contribution to National Economy. *International Journal of Science Environment and Technology*. 5 (3):956-965
- Patel, Y. G., Trivedi, M. M., Rajpura, R. M., Savaliya, F. P. and Parmar, M. 2016. Udder and teat measurements and their relation with milk production in crossbred cows. *International Journal of Science Environment and Technology*. 5 (5): 3048 – 3054
- Khanvilkar, A. V. Islam, M. M., Modi, R. J., Patel, Y. G. and Wadhvani, K. N. 2017. Impact of water restriction and rehydration on body weight and feed and nutrient intake of sheep and goats under middle Gujarat agro-climatic condition. *International Journal of Science Environment and Technology*. 6 (1): 537-544.
- Khanvilkar, A. V. Islam, M. M., Padheriya, Y. D., Modi, R. J. and Wadhvani, K. N. 2017. Impact of water restriction on physiological indices of sheep and goats under middle Gujarat agro climatic condition. *International Journal of Science Environment and Technology*. 6 (2): 1401-1406
- Modh, R. H., Islam, M. M., Patel, Y. G., Modi, R. J. and Wadhvani, K. N. 2017. Effect of parity on udder and teat biometry and its association with milk yield in Gir cows. *International Journal of Science Environment and Technology*. 6 (3): 2068-2073
- Modh, R. H., Nouriyal, D. S., Islam, M. M., Modi, R. J. and Wadhvani, K. N. 2017. Morphological study on types of udder and teats in association with subclinical mastitis in Gir cows. *International Journal of Science Environment and Technology*. 6 (4): 2688-2693

- Khanvilkar, A. V., Gupta, Neelam., Modi, R. J., Islam, M. M. and Wadhvani, K. N. 2017. Impact of water restriction and rehydration on Blood hormone profile of sheep and goats under Middle Gujarat agroclimatic condition. *International Journal of Science Environment and Technology*. 6 (5): 3141-3144
- Khanvilkar, A. V., Madira, R. B., Modi, R. J., Islam, M. M. and Wadhvani, K. N. 2017. Impact of water restriction and rehydration on biochemical profiles of sheep and goats under middle Gujarat agroclimatic condition. *International Journal of Current Research*. 9 (10): 58477-58479
- Khanvilkar, A. V., Neelam Gupta, Modi, R. J., Islam, M. M. and Wadhvani, K. N. 2017. Impact of water restriction and rehydration on haematological profiles of Sheep and goats under middle Gujarat agroclimatic condition. *International Journal of Current Research*. 9 (10): 58480-58482
- Padheriya, Y. D., Rabari, P. D., Islam, M. M. and Wadhvani, K. N. 2018. Physiological Responses of Kachchhi Camel during Exercise. *International Journal of Livestock Research*. 8 (2):167-172
- Patel, R. P., Islam, M. M., Modi, R. J. and Wadhvani, K. N. 2018. Physiological responses of indigenous Hoggets under water deprivation in middle Gujarat agro climatic condition. *International Journal of Science Environment and Technology*. 7 (5): 1772-1776.
- Patel, R. P., Islam, M. M., Sarvaiya, N. P. and Wadhvani, K. N. 2020. Impact of water deprivation and rehydration on blood parameters of sheep under middle Gujarat agroclimatic condition. *International Journal of Current Microbiology and Applied Sciences*. 9(6): 104-109
- Islam, M. M. and Shah, S. V. 2020. Study on effect of different feeding regimes in crossbred cows during pre-partum period on birth weight of calves. *International Journal of Science Environment and Technology*. 9 (4): 604-606.
- Sahana, M., Modi, R. J., Trivedi, M. M., Islam, M. M. and Wadhvani, K. N. 2020. Effect of watering frequencies and rehydration on blood parameters of indigenous sheep. *International Journal of Current Microbiology and Applied Sciences*. 9(8): 190-195.
- Sahana, M., Modi, R. J., Trivedi, M. M., Islam, M. M. and Wadhvani, K. N. 2020. Impact of watering frequencies and rehydration on physiological responses of indigenous sheep. *International Journal of Current Microbiology and Applied Sciences*. 9(8): 557-561.
- Modi, R. J., Islam, M. M., Patel, N. B., Prajapati, K. B. and Wadhvani, K. N. 2015. Constraints perceived by the farmers in adoption of various dairy animal management practices. *Indian Journal of Animal Production and Management*. 31(3-4): 156-158.
- Gupta, Neelam., Wadhvani, Kishan., Islam, Manzarul. and Modi, Rakesh. 2016. Physiological Responses of Indigenous Sheep under Water Restriction. *Journal of Animal Research*. 6 (2): 151-153
- Patel, N. R., Islam, M. M., Modi, R. J. and Wadhvani, K. N. 2016. Effect of Water Restriction on Physiological Responses of Indigenous Hoggets in Middle Gujarat Agro Climatic Condition. *The Indian Journal of Veterinary Sciences and Biotechnology*. 11 (4): 24-26
- Wadhvani, K. N., Islam, M. M. and Modi, R. J. 2016. Livestock Farming: Economic Issues, Policy and Challenges. *Journal of Economic Development*. 52 (1&2): 19-35
- Patel, Y. G. and Trivedi, M. M. 2016. Effect of stage of lactation on various udder and teat measurements in crossbred cows. *Advances in Life Sciences*. 5 (19): 8412-8413.

- Padheriya, Yogesh., Tiwari, Ghanshyam., Gupta, Lokesh., Islam, Manzarul., Patel, Atul. And Wadhvani, Kishan. 2017. Draftability of Kutchi Camel under Agro Climatic Condition of Middle Gujarat. *Journal of Animal Research*. 7 (1): 133-137
- Wadhvani, K. N., Modi, R. J., Islam, M. M. and Patel, Y. G. 2017. Role of housing in welfare of small ruminants. *Indian Journal of Animal Production and Management*. 32 (3-4):130-139
- Modi, R. J., Islam, M. M. and Wadhvani, K. N. 2018. Photoperiod management in dairy herd. *Indian Journal of Animal Production and Management*. 33 (3-4): 75-81
- Modh, R. H., Islam, M. M., Nauriyal, D. S., Modi, R. J. and Wadhvani, K. N. 2018. Study on pH and somatic cell count in milk of sub-clinical mastitic cows in association with udder and teat shape. *Indian Journal of Animal Production and Management*. 34 (1-2): 75-79
- Hannure, W. M. and Belsare, V. P. 2018. Socio- economic status of Dairy demonstration farms in Anand District. *Gujarat Journal of Extension Education*. 29 (1): 25-28
- Hannure, W. M. and Belsare, V. P. 2018. Management and Housing of Dairy Demonstration farms in Anand District. *Gujarat Journal of Extension Education*. 29 (2): 152-158
- Sahana, M., Modi, R. J., Trivedi, M. M. and Wadhvani, K. N. 2018. Effect of watering frequencies and rehydration on body weight, feed and nutrient intake of indigenous sheep. *Indian Journal of Animal Production and Management*. 34(3-4): 19-24
- Patel, P. A., Patel, Y. G., Modi, R. J. and Trivedi, M. M. 2018. Dairy animal housing pattern in rural areas of Anand district in Middle Gujarat zone. *Indian Journal of Animal Production and Management*. 34(3-4): 50-53
- Patel Aruna, Patel, N. R., Modi, R. J. and Wadhvani, K. N. 2018. Effect of watering frequencies on water intake and drinking behavior of Surti goats. *Indian Journal of Animal Production and Management*. 34 (3-4): 58-62
- Modi, R. J., Patel N. R., Patel, R. P. and Wadhvani, K. N. 2019. Effect of different floor types on body weight of Surti goats under asbestos roofed house. *Indian Journal of Animal Production and Management*. 35 (1-2): 75-81
- Patel Aruna, Modi, R. J., Patel, N. R., Wadhvani, K. N. 2019. Effect of different watering frequencies on body weight and feed intake of Surti goats. *Indian Journal of Animal Production and Management*. 35 (1-2): 40-44
- Sahana, M., Patel, N. R., Trivedi, M. M. and Wadhvani, K. N. 2019. Effect of watering frequencies and rehydration on water intake and drinking behaviour of indigenous sheep. *Indian Journal of Animal Production and Management*. 35 (1-2): 45-49
- Patel, P. A., Patel, Y. G., Modi, R. J. and Trivedi, M. M. 2019. Study on housing practices followed by dairy animal owners in Anand district of Middle Gujarat region. *The Indian Journal of Veterinary Science and Biotechnology*. 15(2): 6-9
- Patel, M., Raval, S. K. and Modi, R. J. 2020. Effect of seed extracts of *Vigna unguiculata* and *Hordeum vulgare* on kidney homogenate and rat kidney injury molecule-1 in ethylene glycol and ammonium chloride induced urolithiasis in rats. *The Indian Journal of Veterinary Science and Biotechnology*. 15(3): 5-8

Media Gallery / Photo Gallery



Lifetime Achievement Award by ISAPM- Dr. A. D. Dave, Retd. Prof and Head



Camel Seminar at Bhuj, 2011



Interactive Seminar with Foreign Scientists, 2012



Felicitations of Professor and Head

Contact us**Address**

Dr. S. V. Shah
 Professor & Head
 Livestock Production Management
 College of Veterinary Sci. & A. H.
 Anand

Phone : 9725203864

Email: : hodlpmand@kamdhenuuni.edu.in

Courses offered by the Department (optional/additional information)**UG Program**

Theory and Practical (VCI MSVE, 2016)

No.	Course offered	Credit
1	Livestock Production Management	4+2
	Theory	
	Unit 1 – General Livestock Management	
	Unit 2- Fodder Production and conservation	
	Unit 3 – General livestock management- Ruminants	
	Unit-4 Zoo animals Production and Management	
	Unit 5 – Animal Welfare	
	Unit 6 – Poultry Production and Management	
	Unit 7 – Diversified Poultry Production and Management	
	Unit 8 – Laboratory or Rabbit or Pet Animals Production and Management	
	Unit 9 - Swine or Equine or Camel, Yak and Mithun Production and Management	
	Practical	
	Unit 1 – General Livestock Management	
	Unit 2- Fodder Production and conservation	
	Unit 3 – General livestock management- Ruminants	
	Unit-4 Zoo animals Production and Management	
	Unit 5 – Poultry Production and Management	
	Unit 6 – Incubation and Hatchery Management	
	Unit 7 – Laboratory or Rabbit or Pet Animals Production and Management	
	Unit 8 - Swine or Equine or Camel, Yak and Mithun Production and Management	

PG Program

No.	Course offered	Credit	No.
1	LPM-601	CATTLE AND BUFFALO PRODUCTION AND MANAGEMENT	2+1
2	LPM-602	SHEEP AND GOAT PRODUCTION AND MANAGEMENT	2+1
3	LPM-603	SWINE PRODUCTION AND MANAGEMENT	1+1
4	LPM-604	LABORATORY ANIMAL PRODUCTION AND MANAGEMENT	1+1
5	LPM-605	SHELTER MANAGEMENT	1+1
6	LPM-606	PRINCIPLES OF ENVIRONMENTAL HYGIENE AND WASTE MANAGEMENT	2+0
7	LPM-607	CLIMATOLOGY AND ANIMAL PRODUCTION	1+0
8	LPM-608	POULTRY FARM AND HATCHERY MANAGEMENT	2+1
9	LPM-609	FARM ANIMAL BEHAVIOR	1+0
10	LPM-610	INTEGRATED LIVESTOCK FARMING SYSTEM	2+1
11	LPM-611	EQUINE PRODUCTION AND MANAGEMENT	1+1
12	LPM-612	WILD LIFE MANAGEMENT AND CONSERVATION	2+0
13	LPM-613	LIVESTOCK BUSINESS MANAGEMENT	1+1
14	LPM-691	MASTER'S SEMINAR	1+0
15	LPM-699	MASTER'S RESEARCH	20

PhD Program

	LPM-701	ADVANCES IN CATTLE AND BUFFALO PRODUCTION AND MANAGEMENT	3+0
	LPM-702	ADVANCES IN SHEEP AND GOAT PRODUCTION AND MANAGEMENT	2+1
	LPM-703	ADVANCES IN SWINE PRODUCTION AND MANAGEMENT	2+1
	LPM-704	ADVANCES IN LABORATORY ANIMAL PRODUCTION AND MANAGEMENT	1+0
	LPM-705	ADVANCES IN POULTRY PRODUCTION AND MANAGEMENT	2+1
	LPM-706	ADVANCES IN ENVIRONMENTAL MANAGEMENT	1+1
	LPM-707	ADVANCES IN EQUINE MANAGEMENT	2+0
	LPM-791	DOCTORAL SEMINAR I	1+0
	LPM-792	DOCTORAL SEMINAR II	1+0
	LPM	MASTER'S RESEARCH	45