



Department of Livestock Production Management
College of Veterinary Science and Animal Husbandry
Kamdhenu University
Rajpur (Nava), Himmatnagar.

About the Department:

The Department of Livestock Production Management at Rajpur (Nava) Campus, Himmatnagar has been operational since 2019-20 at College of Veterinary Science & A.H. building. The department has most of needed equipment and tools to provide practical teaching to students. It includes the costlier and sophisticated modern gadgets like somatic cell counters, automatic milk analyser, milking machine, automatic grooming brush and various housing models. The department offers access to laboratories to undergraduate and postgraduate students. The department has an excellent Laboratory/Museum with animal breed model, breeds charts and animal house models. The department has produced a significant amount of teaching resources, such as charts and different housing models, to satisfy the needs of teaching of students.

Research Area:

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

Research Programme:

| Sr. No | Title of Research Programme | PI | Year | Status |
|--------|-----------------------------------------------------------------------------------------------------------------|--------------------|-------------|-----------|
| 1 | Study on Existing Farm Hygiene Practices in Correlation with Mammary Gland and Hoof Affections in Milch animals | Dr. L.M. Sorathiya | 2021 | Completed |
| 2 | Influence of non-genetic factors on occurrence of mastitis in the sheep flocks of Himmatnagar Taluka | Dr. L.M. Sorathiya | 2022 Onward | Ongoing |

Completed other agency research Programme:

| Sr. No | Title of Research Programme | PI | Year | Agency |
|--------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|------|-------------------------------------------------------------------------------|
| 1 | Evaluation of Efficacy of Various Components of a Commercial Animal Farm Hygiene Kit (Mulchise by GEA) for Clean Milk Production | Dr. L.M. Sorathiya | 2021 | Bharat Biogas Energy Limited, Ahmedabad |
| 2 | A Study on Evaluation of Therapeutic Efficacy of a Hebal Dewormer against Common Helminths of Small Ruminants | Dr. L.M. Sorathiya | 2022 | <u>Nameer Remedy LLP,</u> <u>Nyaymandir,</u> <u>Himmatnagar</u> |
| 3 | Evaluation of Efficacy of a Herbal Galactagogue on Quantitative and Qualitative Parameters of Bovine Milk | Dr. L.M. Sorathiya | 2022 | Ydik Healthcare Products LLP (Ydik Nature Care Products Pvt. Ltd'), Ahmedabad |

List of Faculty Publication:

| (A) Publications in Scientific Journals: | |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Bhadesiya, C. M., Prajapati, H., Chaudhary, G. R., Patel, T. P., Deshpande, S. B. and Sorathiya, L. M. (2020). Trichography in Dogs of a Canine Shelter, Ahmedabad, Gujarat (India). <i>International Journal of Advanced Research in Biological Sciences</i> , 7(5):91-98. |
| 2 | Patel, T. P., Sorathiya, L. M., Kapadiya, F. M., Dadawala, A. I. and Bhadesiya, C. M. (2020). Status of women dairy farmers in Sabarkantha district of Gujarat. <i>The Pharma Innovation Journal</i> , 9(4S):141-143. |
| 3 | Bhadesiya, C. M., Chaudhary, G. R., Patel, T. P., Sorathiya, L. M., Patel, V. A., Gajjar, P. J. and Anikar, M. J. (2020). Prevalence of diseases and disorders of reptiles at Veterinary Hospital of Kamdhenu University, Gujarat, India. <i>Journal of Entomology and Zoology Studies</i> , 8(3):1477-1483. |
| 4 | Patel, V. A., Gajjar, P. J., Bhadesiya, C. M., Chaudhary, G. R., Patel, T. P., Sorathiya, L. M. and Anikar, M. J. (2020). Therapeutic management of balanitis in an Indian Palm Squirrel (<i>Funambulus palmarum</i> ; Linnaeus, 1766). <i>The Pharma Innovation Journal</i> , 9(6):553-555. |
| 5 | Bhadesiya, C. M., Patel, V., Anikar, M., Patel, T., Chaudhary, G. and Sorathiya, L. M. (2020). Clinical management of multiple dog-bite wounds in an Indian Spectacled Cobra (<i>Najana naja</i> ; Linnaeus, 1758). <i>Journal of Wildlife Research</i> , 8(2):50-52. |
| 6 | FM Kapadiya, AI Dadawala, PP Makwana, NB Bhati, TP Patel and TV Sutariya (2020). Biochemical Attributes in Repeat Breeder Mehsana Buffalo. <i>Ruminant Science</i> ; 9 (01): 59-61. |
| 7 | Bhadesiya, C. M., Sorathiya, L. M., Chaudhary, G. R., Dadawala, A. I., Patel, T. P., Makwana, P. P., Anikar, M. J., Patel, V. A., Gajjar, P. J., Chaudhary, Y. J., Patel, D. V. and Prajapati, A. K. (2021). Evaluation of <i>in-vivo</i> Efficacy of MESTICHECK for Diagnosis of Clinical and Subclinical Mastitis in Milch Animals. <i>The Pharma Innovation Journal</i> , 10(4S):31-34. |
| 8 | Sorathiya, L. M., Bhadesiya, C. M., Dadawala, A. I., Chaudhary, G. R., Makwana, P. P. and Patel, T. P. (2021). Evaluation of <i>in-vitro</i> efficacy of a water disinfecting tablet, an alcohol-free sanitizer and a detergent of 'Mylchize' Kit (GEA) against environmental bacteria responsible for causing mastitis in milch animals. <i>The Pharma Innovation Journal</i> , 10(9S):70-73. |
| 9 | Rathod P.B., Patel J.G., Modh S.P., Raval S.H., Parmar R.S.2 Patel B.J., Bhati N.B., Sindhi P.I., Thakor K.D., Kumbhani T.R. (2021). Study of Ameliorative Effect of Vitamin C on Indoxacarb Induced Toxicity on Hematobiochemical Parameter in Male Wistar Rats. <i>International Journal of Agriculture Sciences</i> ; 13 (10): 10902-10905. |
| 10 | 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. <i>The Pharma Innovation Journal</i> ; SP-10 (10): 92-94. |
| 11 | Praveen Pilaniya, NB Bhati, PM Desai, AD Choudhary and Pushpa Lamba (2022). Calf management practices followed by dairy farmers of Sabar dairy milk shed area in North Gujarat. <i>The Pharma Innovation Journal</i> ; SP-11(7): 1583-1587. |
| 12 | AI Dadawala, PP Makwana, NB Bhati, FM Kapadiya, TP Patel, PB Rathod and SB Deshpande (2022). Status of disease prevalence in dairy bovines of Sabarkantha district of Gujarat. <i>The Pharma Innovation Journal</i> ; SP-11(4): 1660-1662. |
| 13 | Parveen Pilaniya, NB Bhati, Kusumlata Jhahria, Satyender Yadav, AD Chaudhary and Lokesh Kumar (2022). Effect of different bedding material and dietary supplements on hemato-biochemical parameters of Rhode Island Red chicken. <i>The Pharma Innovation Journal</i> ; SP-11(7): 571-575. |
| 14 | LM Sorathiya, VS Suthar, CM Bhadesiya, SD Rathwa and NB Bhati (2023). Evaluation of a herbal galactagogue on milk production and composition in GIR cows. <i>The Pharma Innovation Journal</i> ; 12(3): 4951-4953. |

| (B) Popular Articles (English & Gujarati): | |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | મકવાણા ,પી .પી., કાપડીયા ,એફ .એમ .અને ભાટી ,એન .બી) .૨૦૧૭ .(દૂધ દ્વારા ફેલાતા જીવાણુજન્ય રોગો અને તેનાથી બચવાના ઉપાયો .ગૌધૂલિ ,Vol.૦૨ -માર્ચ-જુન:૨૦૧૭ ,Pp:૧૦-૧૨ . |
| 2 | ભાટી ,એન .બી., કાપડીયા ,એફ .એમ .અને મકવાણા ,પી .પી.,)૨૦૧૭ .(પ્રાણીઓમાં ઓળખની પદ્ધતિઓ અને તેનું મહત્વ .ગૌધૂલિ ,Vol.૦૪-૦૫ ,જુલાઈ-ઓગસ્ટ:૨૦૧૭ ,Pp:૧૦-૧૨ . |
| 3 | ડો.પી.પી.મકવાણા, ડો.એ.આઈ.દાદાવાલા અને ડો.એન.બી.ભાટી) ૨૦૧૯.(પશુપાલન દ્વારા ફેલાતા મનુષ્યોમાં થતા)પ્રતિ સંચારિત (રોગો .ગૌધૂલિઅંક; ૧૩-૧૪ ૦૯-૧૦. |
| 4 | Patel, T. P., Bhadesiya, C. M. and Sorathiya, L. M. (2020). બડદમાં શિંગડાનું કેન્સર.Gaudhuli, 4(1):19-23. |
| 5 | ડો.એ.આઈ.દાદાવાલા ,ડો.પી.પી.મકવાણા અને ડો.એન.બી.ભાટી)૨૦૨૦.(ચેપી ગર્ભપાત .ગૌધૂલિઅંક ; ૦૧:૨૭-૩૦. |
| 6 | ડૉ .એ .ડી .ચૌધરી ,ડૉ .એચ .પી .ગોરી અને ડૉ .એન .બી .ભાટી) ૨૦૨૨ .(ઉનાળાની ઋતુમા દુધાળા પશુની પ્રજનન ક્ષમતાની જાળવણી .ગૌધૂલિઅંક ;૦૧:૨૪-૨૫. |
| 7 | ડો.પી.બી.રાઠોડ, ડો.કે.એન.પટેલ ,ડૉ.એફ.એમ.કાપડીયા અને ડો.એન.બી.ભાટી) ૨૦૨૨.(લમ્પી સ્ક્રીન ડીસીસ :ગાંઠેદાર ચામડીનો રોગ .ગુજરાતનો બેલી સામયિક ;૮)૧૯૩ :(૦૪ તા.૨૨.૧૦.૨૦૨૨ |
| 8 | Bhadesiya, C. M., Patel, T. P., Chaudhary, G. R. and Sorathiya, L. M. (2020). Use of telemedicine by staff of Veterinary Hospital, Kamdhenu University, Gujarat, for veterinary services during COVID-19 lockdown. <i>Asia-Pacific Association of Agricultural Research Institutions (APAARI) Newsletter</i> , 29(1):14-15. [ISSN 0858-6063] |
| 9 | N.B. Bhati, P.B. Rathod, P.P. Makwana, B.C. Barot (2022). An Overview: Integrated Farming System. <i>The science world</i> ; 2(10), 1706-1710 (2022). |
| (C) BOOK/ BOOKLET/PRACTICAL MANUALS: | |
| 1 | Dr. N. B. BHATI :- Co-Author in book (2016). “Status of Animal Husbandry in Gujarat state” prepared by Polytechnic in Animal Husbandry, Kamdhenu University, Himatnagar. |
| 2 | Practical manual of LPM-111 on “Introductory Cattle & Buffalo Management” Prepared by Dr. N. B. Bhati and Dr. S. B. Deshpande. |
| 3 | Practical manual of LPM-121 on “Introductory Sheep & Goat Management” Prepared by Dr. N. B. Bhati. |
| 4 | Practical manual of LPM-313 on “Introductory Poultry Management” Prepared by Dr. N. B. Bhati. |
| 5 | Practical manual of AN-211 on “Introductory Animal Nutrition – I” Prepared by Dr. N. B. Bhati, Dr. F. M. Kapadiya and Dr. S. B. Deshpande. |

Academics:

Undergraduate (UG) program

Theory and Practical (as per VCI MSVE, 2016)

| LIVESTOCK PRODUCTION MANAGEMENT Credit Hours: 4+2=6 | |
|------------------------------------------------------------|-------------------------------------------------------------------------|
| Theory | |
| 1 | Unit-1 (General livestock management) |
| 2 | Unit-2 (Fodder production and conservation) |
| 3 | Unit-3 (Livestock production management-ruminants) |
| 4 | Unit-4 (Zoo animals production management) |
| 5 | Unit-5 (Animal welfare) |
| 6 | Unit-6 (Poultry production management) |
| 7 | Unit-7 (Diversified poultry production and hatchery management) |
| 8 | Unit-8 (Laboratory or rabbit or pet animal production management) |
| 9 | Unit-9 (Swine or equine or camel, yak and mithun production management) |
| Practical | |
| 1 | Unit-1 (General livestock management) |
| 2 | Unit-2 (Fodder production and conservation) |
| 3 | Unit-3 (Livestock production management-ruminants) |
| 4 | Unit-4 (Zoo animals production management) |
| 5 | Unit-5 (Poultry production management) |
| 6 | Unit-6 (Incubation and hatchery management) |
| 7 | Unit-7 (Laboratory or rabbit or pet animal production management) |
| 8 | Unit-8 (Swine or equine or camel, yak and mithun production management) |

PG program

| Sr. No. | Course offered | Course name | Credit |
|----------------|-----------------------|-----------------------------------------------------|---------------|
| 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 | Climatology and Livestock Production | 1+1 |
| 5 | LPM-605 | Behaviour and Welfare of Farm Animals | 1+1 |
| 6 | LPM-606 | Equine Production Management | 1+1 |
| 7 | LPM-607 | Companion Animal Production Management | 1+1 |
| 8 | LPM608 | Farm Hygiene and Waste Management | 1+1 |
| 9 | LPM609 | Integrated Livestock Farming Systems | 1+1 |
| 10 | LPM610 | Management and Conservation of Wild and Zoo Animals | 1+1 |
| 11 | LPM611 | Laboratory Animal Production Management | 1+1 |
| 12 | LPM612 | Livestock Business Management | 1+1 |
| 13 | LPM613 | Livestock Farm Machinery Management | 0+2 |
| 14 | LPM614 | Poultry Farm and Hatchery Management | 1+1 |
| 15 | LPM615 | Regional Animal Production Management | 1+1 |
| 16 | LPM691 | Master's Seminar | 1+0 |
| 17 | LPM699 | Master's Research | 30 |

Ph.D. Program

| Sr. No. | Course offered | Course name | Credit |
|---------|----------------|--------------------------------------------------------------|--------|
| 1 | LPM-701 | Recent Developments in Large Ruminants Production Management | 2+1 |
| 2 | LPM-702 | Recent Developments in Small Ruminants Production Management | 2+1 |
| 3 | LPM-703 | Recent Developments in Swine Production Management | 1+1 |
| 4 | LPM-704 | Livestock and Environment | 1+0 |
| 5 | LPM-705 | Organic Livestock Production | 1+0 |
| 6 | LPM-706 | Recent Developments in Welfare of Farm Animals | 1+0 |
| 7 | LPM-707 | Entrepreneurship in Livestock Production | 1+1 |
| 8 | LPM-708 | Precision Livestock Farming | 1+1 |
| 9 | LPM-709 | Recent Developments in Poultry Production Management | 2+1 |
| 10 | LPM-791 | Seminar- I | 1+0 |
| 11 | LPM-792 | Seminar- II | 1+0 |
| 12 | LPM | Research | 75 |

Facilities available in Department of Livestock Production Management









