

DEPARTMENT OF LIVESTOCK PRODUCTS TECHNOLOGY



College of Veterinary Science & Animal Husbandry
Navsari Centre (Kamdhenu University), Gandhinagar
Eru Char Rasta, Vijalpore, Ta: Jalalpore, Dist. Navsari - 396450



Teaching Faculty in Department

Sr. No.	Name	Designation	Contact Details	Joining Year in NAU	Qualification	Total Experience	Publications Research Papers
1	Dr. Swati Gupta	Assistant Professor & Head	swatigupta@kamdhenuuni.edu.in	2010	Ph.D	11 Years	20
2	Dr. Nirav Patel	Assistant Professor	ngpatel31@kamdhenuuni.edu.in	2019	M.V.Sc	2 Years	10

About the Department

The Department of Livestock Products Technology was started under establishment of Vanbandhu Veterinary College phase – II programme (Year 2010-11) with the recruitment of one Assistant Professor and one Laboratory Assistant in June 2010. The Department imparts undergraduate teaching as per the guidelines specified by Veterinary Council of India covering, In addition, post graduate teaching is also carried out in the department as per the ICAR norms for P.G. Studies.

Thrust area of research:

- Development of new milk products with enhanced functionality & better acceptability.
- Development of novel value added egg products.
- Development of functional meat products.

➤ Research Project Completed

SN	Title of Project
	AGRESCO Research Project
1	Development of burfi utilizing Watermelon (<i>Citrullus lanatus</i>) rind
2	Evaluation of meat quality of broiler chicken supplemented with Neem leaf meal and Citric acid

Recommendation for farmers community

- It is recommended to use 10% (w/w) watermelon rind in buffalo milk for preparation of watermelon burfi acceptable physiochemical and sensory quality which can be stored for 20 days at refrigerator temperature
- **ખેડૂતોપયોગી સંશોધન ભલામણો:**
આથી ભલામણ કરવામાં આવે છે કે, ભેંસના દુધમાં ૧૦% વજન મુજબ તરબુચની આંતર છાલ ઉમેરીને બનાવેલ "તરબુચ બરફી"નાં ભૌતિક, રાસાયણિક અને સંવેદનાત્માક ગુણધર્મ જળવાઈ રહે છે. જેને ફિજના તાપમાને ૨૦ દિવસ સુધી સંગ્રહી શકાય છે.

➤ **Award/Achievements :**

- **Swati Gupta received Best Poster Presentation award I** in National Seminar on “Revisiting Management Policies and Practices for indigenous Livestock & Poultry Breeds as Eco-friendly Economic Producers” 9th -11th October, 2014, at NAU, Navsari
- **Swati Gupta received Second prize in oral presentation** in International Conference on “Emerging Technologies in Food and Nutrition for Health Management” 14th -15th May, 2015, NDRI, SRS, Bengaluru, Karnataka.
- **Swati Gupta received Best Oral Presentation Award** in National Conference on “Contemporary Food Processing and Preservation Technologies” during 12th-13th April 2018, Shoolini University, Solan, Himachal Pradesh
- Manuals Prepared.
Laboratory manual of LPT – 311 (Milk and milk products Technology)
Laboratory manual of LPT – 312 (Abattoir Practices & Animal Product Technology)
Laboratory manual of LPT - 321 (Meat Science)

➤ **List of Research Publications**

1. Swati Gupta and Savalia C.V. (2012) Application of Biotechnology in improvement of livestock products. *Veterinary World*5:634-638.
2. Gamit M., Gupta Swati, Savalia, C.V. and Patel, S.A. (2017) Evaluation of chicken cutlets incorporation with whole egg liquid. *International Journal of Agriculture Sciences*,9(6):3812-3815.
3. Patel S.A., Savalia, C.V., Rajeev Kumar, Gamit M.A., Nair Shruti., Patel R.K. and Patel N.G. (2017). Incidence of methicillin resistant staphylococcus aureus in the milk of surti goats. *International Journal of Agriculture Sciences*, 9: 3637-3639.
4. Patel, R.K.,Savalia C.V., Kumar, R., Kalyani, I.H., Gupta S. and Suthar , A.P. (2018) Isolation, Identification and molecular characterization of *Vibrio parahaemolyticus* from Shrimp samples from South Gujarat of Navsari district. *Journal of Animal Research* 8(1):131-136.

5. Patel, N.G., Gupta Swati and Savalia, C.V. (2018) Evaluation of chicken cutlets prepared with fish flesh and its storage study at refrigeration temperature (4±1°C). *International Journal of Agriculture Sciences*,10(10):6087-6090.
6. Patel, R.K.,Savalia, C.V. Kumar, R., Suthar, A.P., Patel, S.A., Patel, N.G., Kalyani, I.H. and Gupta S. (2018) Determination of *Vibrio parahaemolyticus* from retail Shrimp of South Gujarat of Navsari district and their drug resistance pattern. *International Journal of Current Microbiology and Applied Sciences*. 7(2): 2704-2710.
7. Patel, R.K., Savalia, C.V., Kumar, R., Kalyani, I.H.,Gupta S. and Suthar, A.P. (2018) Isolation, Identification and molecular characterization of *Vibrio parahaemolyticus* from Shrimp samples from South Gujarat of Navsari district. *Journal of Animal Research*8(1):131-136.
8. Patel, R.K., Kumar, R. Savalia, C.V., and Patel N.G. (2018). Isolation of staphylococcus aureus from raw cattle milk and their drug resistance pattern.*International Journal of Current Microbiology and Applied Sciences*7(2): 836-840.
9. Atara V.B., Chaudhari,C.F., Ramani,U.V., Chaudhary, M.M., Patel D.K., Patel Y.R. and Patel N.G. (2018). Semen characteristics in young and adult surti buck. *Indian Journal of Animal Health*, 57:219-224
10. Gamit, M., Gupta Swati andSavalia, C.V. (2020) Quality characteristics of chicken meat cutlets incorporation with finger millet (*Eleusine coracana*) flour. *Journal of Animal Research*,10 (1):111-116

Courses offered by the Department (Theory and Practical)

Undergraduate Programme

Sr. No.	Name of Course	Credit
1	UNIT: 1 MILK AND MILK PRODUCTS TECHNOLOGY	2+1
2	UNIT-2 WOOL SCIENCE	
3	UNIT-3 ABATTOIR PRACTICES AND ANIMAL BYPRODUCTS TECHNOLOGY	
4	UNIT-4 MEAT SCIENCE	

Master Degree Programme

Sr. No.	CODE	COURSE TITLE	CREDITS
1.	LPT 601	FRESH MEAT TECHNOLOGY	1+1
2.	LPT 602	MEAT PROCESSING, PACKAGING, QUALITY CONTROL AND MARKETING	2+1
3.	LPT 603	POULTRY AND FISH PRODUCTS TECHNOLOGY	2+1
4.	LPT 604	EGG AND EGG PRODUCTS TECHNOLOGY	1+1
5.	LPT 605	ABATTOIR AND POULTRY PROCESSING PLANT PRACTICES	1+1
6.	LPT 606	SLAUGHTER HOUSE BYPRODUCTS TECHNOLOGY	2+1
7.	LPT 607	PROCESSING AND MARKETING OF WOOL	2+1
8.	LPT 608	MARKET MILK PROCESSING AND DAIRY PLANT	2+1

		PRACTICES	
9.	LPT 609	QUALITY CONTROL OF MILK AND MILK PRODUCTS	1+1
10.	LPT 610	TECHNOLOGY OF MILK PRODUCTS	2+1
11.	LPT 611	BIOTECHNOLOGY OF FOODS OF ANIMAL ORIGIN	1+1
12.	LPT 612	IN PLANT TRAINING (NON CREDIT)	0+2
13.	LPT 691	MASTER'S SEMINAR	1+0
14.	LPT 699	MASTER'S RESEARCH	20

:: CONTACT US ::

I/CAssistant Professor & Head

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