



College of Veterinary Science and Animal Husbandry Kamdhenu University, Bhuj (Kutch)



DEPARTMENT OF ANIMAL NUTRITION

About Department

The department is started very recently with a vision to develop the department of Animal Nutrition as per MSVE 2016. The initial priority is to establish the minimum standard of UG/PG teaching with respect to infrastructure facilities and laboratory instruments. Looking to biodiversity of Kutch region with respect to plants/herbs, the department will start the research work by conducting survey of feeding practices of different livestock species of the Kutch region as well as will assess the mineral status of soil-plant-animals and nutritional profile of the various feeds and fodders of the region. The department offers comprehensive academic programs at the undergraduate, postgraduate, and doctoral levels

Faculty Profile

Sr. No	Name	Designation	Qualification	Joining Year	Experience in years	Publications	E-mail/Phone	Phone No.
1.	Dr. Deendayal	Professor and Head	Ph. D.	2009	16	47	drddgarg@kamdhenuuni.edu.in hodannbhuj@kamdhenuuni.edu.in	8780765258
2.	Dr. A. P. Raval	Associate Professor	Ph. D.	2013	12	52	dr.ajayraval@kamdhenuuni.edu.in	9924874477
3.	Dr.Maitri Y. Bhavsar	Assistant Professor	Ph. D.	2023	1.5	04	mpbhavsar@kamdhenuuni.edu.in	8866409104
4.	Dr. Sharma Meet M.	Assistant Professor	M.V.Sc.	2025	02	05	mmsharma@kamdhenuuni.edu.in	9427621162

	Name:	Dr. Deendayal
	Designation:	Professor & Head
	Qualification:	Ph. D.
	Experience:	19 Years
	PG Students Guided	10 (MVSc) 02 (Ph. D.)
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Post-graduate Students Guided

Sr. No.	Thesis Title	Major Advisor	Name of student	Year of Submission
M.V. Sc. Theses				
1.	Effect of dietary supplementation of garlic (<i>Allium sativum</i>) and Fenugreek (<i>Trigonella foenum-graecum</i>) seed powder on performance of broilers	Deendayal	R. M. Patel	2012
2.	Effect of Tulsi and Elovira leaves powder supplementation on performance of broiler chickens	Deendayal	Gohil Bharat C.	2018
3.	Effect of various level of exogenous fibroidic enzymes supplementation in total mixed Russian on a nutrient utilization and growth performance in Gir Cows	Deendayal	Kadam Sandip J.	2019
4.	Effect of exogenous fibrolytic enzyme and soap nuts sell powder supplementation on growth performance	Deendayal	Karmakar Neha D.	2020

	of Gir calves			
5.	<i>In vitro</i> studies to evaluate the potentiality of various seaweeds as ruminant feed	Deendayal	D. A. Solanki	2021
6.	Effect of nano-zinc supplementation on nutrient utilization and rumen fermentation in Gir calves	Deendayal	S. R. Rananaware	2021
7.	In vitro studies on incorporation of graded levels of fibrolytic enzymes in cotton straw based total mixed ration	Deendayal	B. K. Kansagara	2022
8.	In vitro evaluation of graded levels of chitosan on varying levels of roughages in total mixed ration	Deendayal	K. R. Makwana	2022
9.	Efficacy of different feed additives on <i>in vitro</i> rumen fermentation of maize hay and bajra straw based total mixed ration	Deendayal	S. D. Patel	2023
10.	Effects of betaine supplementation on nutrient utilization and growth performance of Gir calves	Deendayal	B. J. Solanki	2024
Ph. D. Theses				
1.	Effect of supplementing seaweeds (<i>Sargassum</i> spp. and <i>Kappaphycus</i> spp.) on performance of white leghorn laying hens	Deendayal	J. A. Chavda	2024
2.	Effects of <i>Moringa oleifera</i> Leaf Meal on Performance and Egg Characteristics in Rhode Island Red Laying Hen	Deendayal	E. G. Vaghamashi	2024

Summary of Publications

Sr. No.	Details	Numbers
1.	Research Paper (National Journal)	26
2.	Research Paper (International Journal)	21
4.	Recommendations	02
5.	Chapters in Books	02
6.	Conference/Proceedings/Training papers	77
7.	Training Manual / Practical Manual	16
8.	Technical Bulletins	02
9.	Review articles in scientific journals	02
10.	Popular articles in vernacular languages	02

Awards

Sr. No.	Details	Number of Awards
1.	University Gold Medal for M.V.Sc.	01
2.	Scientific Society/Body/Agency Awards for best paper presentation	02

Achievements

1.	Acted I/C Principal Polytechnic in AH, Junagadh for 03 years
2.	Acted as Committee Member for VCI inspection of three Veterinary colleges at Karnataka and Rajasthan
3.	Prepared Annual Report of the COVSAH, Junagadh for consecutive last 07 years
4.	ETV and FM (JAU Janvani): Delivered more than 20 lectures

	Name:	Dr. Ajay Prahladbhai Raval
	Designation:	Associate Professor
	Qualification:	Ph.D. (Animal Nutrition)
	Experience:	12 Years
	PG Students Guided	02 (MVSc)
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	ORCID Scopus ID G Scholar ID	0000-0002-3417-5648 56494391900 JBLhCQAAAAJ&hl=en

Post-graduate Students Guided

Sr. No.	Thesis Title	Major Advisor	Year of Submission
1.	EFFECTS OF BLACK SOLDIER FLY LARVAE MEAL (BSFLM) AS A PARTIAL SUBSTITUTE OF PROTEIN SOURCE ON GROWTH PERFORMANCE, NUTRIENT UTILIZATION AND CARCASS CHARACTERISTICS IN BROILER CHICKEN	Dr. A. P. Raval	2023
2.	EFFECTS OF <i>Hermetia illucens</i> LARVAE MEAL (HILM) AS A SUBSTITUTE OF SOYBEAN MEAL ON GROWTH PERFORMANCE, NUTRIENT UTILIZATION AND CARCASS CHARACTERISTICS IN BROILER CHICKEN	Dr. A. P. Raval	2024

Summary of Publications

Sr. No.	Detail	Numbers
1.	Research Paper (National Journal)	30
2.	Research Paper (International Journal)	20
3.	Short Communications	--
4.	Recommendations	10
5.	Book/ Booklets	03
6.	Chapters in Books	02
7.	Training Manual / Practical Manual	03
8.	Technical Bulletins	01
9.	Review articles in scientific journals	04
10.	Popular articles in vernacular languages	20
11.	Informative leaflets / folders for farmers	01

Awards

Sr. No.	Details	Number of Awards
1.	National	02
2.	International	-
3.	Scientific Society/Body/Agency Awards for best paper presentation	02
4.	Scientific Society Awards for best poster presentation	01
5.	Best article award	01
6.	Best Thesis Award	-
7.	Best Teachers award	-
8.	Others	-

Details of Awards

Sr. No.	Name of Award	Name of Awardee	Year	Instituted by
1.	Best Oral Presentation	Dr. A. P. Raval	2019	NAHEP, NAU
2.	Best Oral Presentation	Dr. A. P. Raval	2020	ICAR-CSWRI
3.	Dr. S. P. Arora Best Research Paper award	Dr. A. P. Raval	2022	GADVASU
4.	Best Oral Presentation	Dr. A. P. Raval	2023	NAHEP, NAU
5	J R Agro Innovation award	Dr. A. P. Raval	2023	SEA, India
6	Dr. K. Pradhan Young Scientist Award	Dr. A. P. Raval	2023	TANUVAS
7	Best poster presentation Award	Dr. A. P. Raval	2023	TANUVAS

Achievements

1.	Dr. A. P. Raval acted as NSS programme officer (2021-2024) at CVSC & AH, Navsari
2.	Dr. A. P. Raval acted as Associate Editors of “Navdhenu” Newsletter

	Name:	Dr. Bhavsar Maitri Yogeshkumar
	Designation:	Assistant Professor
	Qualification:	Ph. D.
	Experience:	1 Year and 9 Months
	PG Students Guided	-
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	Mobile No:	8866409104
	ORCID Scopus ID G Scholar ID	0000-0003-2129-1778 -- 2LdM_2AAAAAJ

Summary of Publications

Sr. No.	Detail	Numbers
1.	Research Paper (National Journal)	3
2.	Research Paper (International Journal)	--
3.	Short Communications	1
4.	Recommendations	--
5.	Book/ Booklets	1
6.	Chapters in Books	1
7.	Training Manual / Practical Manual	1
8.	Technical Bulletins	--
9.	Review articles in scientific journals	3
10.	Popular articles in vernacular languages	6
11.	Informative leaflets / folders for farmers	3

Awards

Sr. No.	Details	Number of Awards
1.	National	2
2.	International	--
3.	Scientific Society/Body/Agency Awards for best paper presentation	1
4.	Scientific Society Awards for best poster presentation	1
5.	Best article award	--

6.	Best Thesis Award	--
7.	Best Teachers award	--
8.	Others	--

Details of Awards

Sr. No.	Name of Award	Name of Awardee	Year	Instituted by
1.	Poster Presentation Award	Dr. Maitri Bhavsar	2023	IAAVR
2.	Best Article (vernacular language) in Gaudhuli	Dr. Maitri Bhavsar	2024	Kamdhenu University
3.	Best Article (vernacular language) in Krushigovidhya	Dr. Maitri Bhavsar	2024	Anand Agriculture University
4.	Young Scientist Award	Dr. Maitri Bhavsar	2020	IAWV

Achievements

1.	Best internee award in the year of 2018
2.	Best student award in the year of 2018
3.	Awarded with Chancellor's Gold medal instituted by Anand Agricultural University

	Name:	Dr. Meet Manishkumar Sharma
	Designation:	Assistant Professor
	Qualification:	M.V.Sc.
	Experience:	2 years (total)
	PG Students Guided	-
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	G Scholar ID	AAAAJ&hl=en

Summary of Publications

Sr. No.	Detail	Numbers
1.	Research Paper (National Journal)	2
2.	Research Paper (International Journal)	3
3.	Short Communications	-
4.	Recommendations	-
5.	Book/ Booklets	-
6.	Chapters in Books	-
7.	Training Manual / Practical Manual	-
8.	Technical Bulletins	-
9.	Review articles in scientific journals	2
10.	Popular articles in vernacular languages	3
11.	Informative leaflets / folders for farmers	-

Awards

Sr. No.	Details	Number of Awards
1.	National	-
2.	International	-
3.	Scientific Society/Body/Agency Awards for best paper presentation	-

4.	Scientific Society Awards for best poster presentation	2
5.	Best article award	-
6.	Best Thesis Award	-
7.	Best Teachers award	-
8.	Others	-

Details of Awards

Sr. No.	Name of Award	Name of Awardee	Year	Instituted by
1.	Poster Presentation Award	Dr M. M. Sharma	2024	ISBD
2.	Poster Presentation Award	Dr M. M. Sharma	2024	ISBD

Academics

A. UG Courses offered:

Sr. No.	Name of Course (as per MSVE- 2016)	Course Credits	Year
1.	Animal Nutrition	3+1	Second

B. PG Courses offered:

Sr. No.	Name of Course	Course No.	Course Credits
M.V.Sc. Courses			
1.	Nutritional Biochemistry	ANN-601*	1+0
2.	Energy and Protein Nutrition	ANN-602*	2+0
3.	Minerals and Vitamin Nutrition and Feed Additives	ANN-603*	2+1
4.	Feed and Fodder Technology	ANN-604*	1+1
5.	Ruminant Nutrition	ANN-605*	2+1
6.	Non-Ruminant Nutrition	ANN-606*	2+1
7.	Research Methodology in Animal Nutrition	ANN-607*	0+2
8.	Companion Animal Nutrition	ANN-608	1+0
9.	Nutrition of Laboratory, Wild and Zoo Animals	ANN-609	2+1
10.	Non-Conventional Feed Resources	ANN-610	1+1
11.	Introductory Clinical Nutrition	ANN-611	1+0
12.	Rumen Biotechnology	ANN-612	1+0
13.	Seminar	ANN-691	1+0
14.	Research	ANN-699	30
Ph.D. Courses			
1.	Modern Concepts in Feeding of Ruminants	ANN701*	2+0
2.	Forages in Animal Nutrition	ANN702*	1+0
3.	Recent Concepts in Feeding of Non-Ruminants	ANN703*	1+0
4.	Advances in Rumen Metabolism	ANN704*	1+1
5.	Advances in Mineral and Vitamin Nutrition	ANN705*	2+0
6.	Advanced Clinical Nutrition	ANN706*	1+1

7.	Advanced Techniques in Nutritional Research	ANN707	1+1
8.	Advances in Feed Technology	ANN708	1+0
9.	Toxicants and Anti-Metabolites in Animal Nutrition	ANN709	1+0
10.	Nutrigenomics in Animal Nutrition	ANN710	1+0
11.	Equine Nutrition	ANN711	1+0
12.	Seminar-I	ANN791	1+0
13.	Seminar-II	ANN792	1+0
14.	Research	ANN799	75

Research Areas of the Department

• Feeds and feeding practices in Kutch region
• Nutritional evaluation of feeds and fodders of the region
• Non-conventional feed resources
• Incriminating factors in feeds and fodders of the region
• Minerals profiling and Soil-plant-animal relationship

Contact details:

Dr. Deendayal

Professor & Head

Department of Animal Nutrition

College of Veterinary Science and Animal Husbandry

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