

DEPARTMENT OF VETERINARY ANATOMY

Faculty Profile

Sr. No.	Name	Designation	Email	Mobile	Joining year	Qualification	Experience (Year)	Research papers
1	Dr. Vishnudeo Kumar	Associate Professor and Head	vishnu.kumar@kamdhenuuni.edu.in	8758869439	2011 (JAU)	Ph. D.	13	35
2	Dr. Anil Sharma	Assistant Professor	anil.sharma@kamdhenuuni.edu.in	9558737720	2012 (JAU)	Ph. D.	10	32

About the Department

The Department of Veterinary Anatomy was established since the inception of College of Veterinary Science and Animal Husbandry, Junagadh in the year 2008. The department is functioning under the administration of it with the objectives to teach anatomy of domestic animals and birds to undergraduate and postgraduate students. To impart training for field veterinarians/ clinicians to refresh their anatomical knowledge and provide hands on training which can be applied in clinical diagnosis, physical examination and surgical procedures. To provide qualified human resource in the field of Veterinary Anatomy, Histology and Embryology. The department progressed steadily by delivering the quality education to undergraduate and post-graduate students. The department extends the expertise to provide the education to students of Diploma in A.H., Junagadh. The modern equipment and other facilities are available in the department. The department is having osteology and arthrology lab., histology and embryology lab., tissue preparation lab., a large dissection hall, educational museum containing sufficient number of specimens and a post graduate research lab. with modern instrumentation facility to work in the field of histology, histochemistry, histoenzymology and immunohistochemistry, scanning electron microscopy. In addition the department developed the various modern techniques for the preparation teaching models such as plastination, corrosion cast and pneumatic dry specimen techniques and prepared many samples by this methods. As the part of academic activities, the department published practical/ laboratory manual for all the course of veterinary anatomy, also published 4 books/ book chapter, one training manuals and many scientific research articles and popular articles.

Research Area

1. Gross anatomy
2. Histology
3. Histochemistry
4. Histoenzymology
5. Immunohistochemistry
6. Embryology
7. Electron microscopy

Project Detail –

The following Research project approved by ZREAC and AGRESCO was completed -

Sr. No.	Title of Research Programme	Status
1	Histomorphometry & Histochemical observations on the ovaries of Jaffrabadi buffaloes in different season of year	Completed
2	Study on Postnatal Development of Adrenal Gland in Gohilwadi Goat (<i>Capra hircus</i>).	Completed

Recommendations (Scientific):

Sr. No.	Recommendations	Year of Approval
1	In Jaffrabadi buffalo, based on biometrical and micrometrical observations, higher functional activities of ovaries are observed in winter season.	2014-15
2	Adrenal gland of day old Gohilwadi kid has definite cortex and medulla, while adult adrenal exhibits the structures of typical zones of cortex and medulla. Width of definite cortex increases, while that of foetal zone decreases with increasing age.	2015-16

Achievements and List of Research Publications

Awards/ Medals Received by the Faculty/ Student

1. Best Poster Presentation Award (First Position) by IAAVR (2011) - Dr. Vishnudeo kumar.

2. Medal and Award for Best Oral paper Presentation in ultrastructure by IAVA (2019) –

Dr. Vishnudeo Kumar

3. Best Ph.D. Thesis Award by IAVA (2020) – Dr. Anil Sharma

Other achievements

Developed the facility for Plastination, Corrosion cast and pneumatic dried specimen techniques for preparation of advanced teaching models.

A book on short questions for U.G. and P.G. students has been published.

Power Point Presentations have been prepared for all units of UG and P.G. courses

Class notes for all courses are available with faculty members

Practical manuals of all courses have been prepared.

List of Recent Research Publications (2019-20)

1. Vishnudeo Kumar and Anil Sharma (2019). Gross and Histological Observations on Adrenal Gland of Pig. Indian Journal of Veterinary Anatomy. 31(2). 117-118.
2. A. Sharma, Y. L. Vyas, P. H. Tank, Vishnudeo Kumar and V. K. Singh (2019). Gross morphometric study on pineal and pituitary glands of Jaffarabadi buffalo during different seasons of the year. Indian Journal of Veterinary Anatomy. 31(2). 103-105.
3. Vishnudeo Kumar, R. S. Sethi and O. Singh (2019). Histogenesis of Definite Cortex in Adrenal Gland during Postnatal Development in Buffalo. Indian Journal of Veterinary Anatomy. 31(2). 88- 90.
4. Sharma Anil, Vyas Y. L., Vishnudeo Kumar, Tank P. H. and S. H. Talekar (2020) Gross Morphometric Studies on Thyroid and Adrenal Glands of Jaffarabadi Buffalo during Different Seasons of the Year. Indian Journal of Veterinary Anatomy. 32(1). 19-22.
5. Vishnudeo Kumar, R. S. Sethi and O. Singh (2021). Histological Study on the Fibrous Architecture of the Adrenal Gland during Postnatal Development in Buffalo. The Indian Journal of Veterinary Sciences and Biotechnology. 17(1): 59-62.

Activities/Trainings/Seminars/Workshops organized by Department

1. A five days vocational Training on “Alternative scientific modalities to improve the learning skills in Veterinary Anatomy” was organized by the Department of Veterinary Anatomy, College of Veterinary Science and A. H., Junagadh Agricultural University, Junagadh on 21st to 25th January, 2020 under the aegis of Institutional Development Plan, ICAR.

Information of Courses offered

Under-graduate Programme (As per VCI MSVE, 2016)

Course Title	Credit
Veterinary Anatomy	4+3
Theory	
Unit 1: General osteology, anthology and myology	
Unit 2: Fore limb	
Unit 3: Head and neck	
Unit 4: Thorax	
Unit 5: Abdomen	
Unit 6: Hind limb and pelvis	
Unit 7: Cytology	
Unit 8: Embryology	
Practical	
Unit 1: General osteology, anthology and myology	
Unit 2: Fore limb	

Unit 3: Head and neck	
Unit 4: Thorax	
Unit 5: Abdomen	
Unit 6: Hind limb and pelvis	
Unit 7: Microscopy and micrometry, (histology)	
Unit 8: Embryology	

Post-graduate Programme			
Sr. no.	Course no.	Course Title	Credits
1	VAN -601	Comparative osteology and arthrology	1+2
2	VAN -602	Comparative splanchnology	2+2
3	VAN -603	Myology, angiology, neurology and aesthesiology of ox	1+3
4	VAN -604	Gross anatomical techniques	0+2
5	VAN -605	Theory and practice of histological and histochemical techniques	1+2
6	VAN -606	General histology and ultrastructure	3+1
7	VAN -607	Systemic histology and ultrastructure	3+1
8	VAN -608	Developmental Anatomy	3+1
9	VAN -691	Master's Seminar	1+0
10	VAN -699	Master's Research	20
11	VAN-701	Myology, angiology, neurology and aesthesiology of equine, canine and porcine	0+3
12	VAN-702	Principles and applications of biomechanics	2+0
13	VAN-703	Avian anatomy	1+2
14	VAN-704	Neuroanatomy	3+1
15	VAN-705	Endocrine anatomy	2+1
16	VAN-706	Theory and applications of electron microscope	2+1
17	VAN-707	Histoenzymology and immunocytochemistry	2+1
18	VAN-708	Applied embryology and teratology	1+2
19	VAN-709	Functional veterinary anatomy	2+0
20	VAN-710	Gross anatomy of laboratory animals	1+1
21	VAN-790	Special problem	0+2
22	VAN-791	Doctoral seminar i	1+0
23	VAN-792	Doctoral seminar ii	1+0
24	VAN-799	Doctoral research	45

Photo gallery (Media gallery)



Releasing of Training Manual



Presidential Address by Dr. P. H. Tank



Motivational remarks by, Dr. Arvind Kotecha, Chief Guest



Felicitation of Dr. K. N. Vyas after his Lecture



Hands-on Training on Wild programme by Dr. P.V.S. Kishore



Hands-on Training on Immunohistochemistry Dr. R. S. Sethi



Lecture given by Dr. S. A. Gaikwad on Taxidermy



Hands-on Training on Plastination Dr. S. Chaurasia



Hands-on Training on Dr. S. A. Gaikwad on Corrosion cast



Hands-on Training on Dr. S. A. Gaikwad on Fish moulding



Visit of electron microscopic facilities at bitechnology lab. JAU, Junagadh



In Plenary session welcome of Hon'ble Vice Chancellor, Dr. V. P. Chovatia JAU, Junagadh

Photographs of Laboratories



Museum



Osteology & Arthrology Lab.



Histology & Embryology Lab.



Dissection Hall



Tissue Preparation Lab.



P. G. Lab.

Teaching models



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