

1. List of Research Projects: Completed& Ongoing

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost of the project (Rs in Lakh)	Extra-mural (Funding agency)/ Intra-mural	Status (Completed /Ongoing)	Duration

2. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost of the project (Rs in Lakh)	Extra-mural (Funding agency)/ Intra-mural	Status (Completed/Ongoing)	Duration
1	Efficay evaluation of supplimenting biocholine as areplacement to synthetic choline chloride in poultry layer ration.	Dr. C.S Mamde Co-Principal Investigator	Indian herbs specialities Pvt, Ltd. Chandigarh	1.80 lack	Extra-mural	Completed	2018-2019
2	Efficacy evaluation of Polyherbal Gut function Modulator for improving Growth performance, carcass Traits , Intestinal Morphometry,Blood Biochemical And Hematological parameters in Broilers.	Dr. C.S Mamde & Dr. N. M. Karad, Co-Principal Investigator	Ayurved Limited ,Atpost.Katha , Distt: Solan Himachal Pradesh	1.80 Lack	Extra-mural	Completed	2018-2019
3	“Effect of dietary supplementation of capcin on performance, gut	Dr. N. M. Karad, Co-	M/s.Gl amac Interna tional	5,90,030/-	Extra-mural	Completed	2018-19

	health, anti-inflammatory response, immune response and economics of broiler production exposed to heat stress” .(CO-PI)	Principal Investigator	Pvt.Lt d., 413, Orion Business Park, 4th Floor, Ghodbunder Road, Next Cinewonder Mall, Kapurhawdi, Thane (W. Mumbai) 400610				
4	Assessment of novel probiotic supplementation on performance and intestinal health of broilers in challenged dietary condition. (CO-PI)	Dr. N. M. Karad Co-Principal Investigator	M/s. Kemin Industries South Asia Pvt. Ltd., C-3, First Street, Ambattur Industrial Estate, Chennai 600058, India.	4,50,800/-	Extra-mural	Completed	2022-23

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers

4. Thesis: Master: (M. V. Sc)

Name of Department : Veterinary Anatomy

Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	N. S. Bhosle	Histological studies of normal parotid salivary gland and its changes on ligation of stensons duct in male buffalo calves (<i>Bos bubalis</i>).	1983	Dr. R.K. Shingatgiri

2	O.N. Ladukar	Histological studies on pancreas and its changes in Alloxan induced hyperglycemic male buffalo calves (<i>Bubalus bubalis</i>).	1983	Dr. R.K. Shingatgiri
3	A. D. Patil	Histology and Histochemistry of skin in hot and cold seasons with special reference to the effect of external cooling in buffalo calves.	1987	Dr. R.K. Shingatgiri
4	R. R. Mugale	Histological studies on the vesicular glands and the effect of castration on its development in male buffalo calves (<i>Bubalus bubalis</i>).	1988	Dr. R.K. Shingatgiri
5	M.M.Farooqu	Morphology and histology of testis with its changes on caudectomy in male buffalo calves (<i>Bubalus bubalis</i>).	1990	Dr. R.K. Shingatgiri
6	C. S. Mamde	Morphological and histological studies of oesophagus and rumen with their changes on unilateral cervical vagotomy in buffalo calves.	1991	Dr. R.K. Shingatgiri
7	P.S.Tatkuntwar	Morphological and histological studies of heart and lung with their changes on unilateral cervical vagotomy in buffalo calves.	1991	Dr. R.K. Shingatgiri
8	B. S. Gund	Morphological and histological studies of reticulum and omasum with their changes on unilateral cervical vagotomy in buffalo calves.	1991	Dr. R.K. Shingatgiri
9	S. V. Paikrao	Morphological and histological studies of abomasum and duodenum with their changes on unilateral cervical vagotomy in buffalo calves.	1993	Dr. R.K. Shingatgiri
10	K. R. Jadhav	Histomorphological studies of buccal glands and face muscles with special reference to its changes after unilateral facial nerve resection in buffalo calves.	1993	Dr. K. M. Gadre
11	K. M. Parag	Histomorphological study of muzzle and its muscles with special reference to their changes after resection of facial nerves in buffalo calves.	1993	Dr. K. M. Gadre

12	S. N. Kadam	Morphological study of the tongue with special reference to its nerve supply in buffalo calves	1994	Dr. R.K. Shingatgiri
13	S. G. Dapke	Morphohistological study of testes in buck and adult buffalo.	1994	Dr. K. M. Gadre
14	J. K. Solanke	Morphohistological and histochemical study of adrenal glands in male buffalo calves (<i>Bubalus bubalis</i>).	1995	Dr. N.S. Bhosle
15	H. P. Gayake	Morphohistological and histochemical study of epididymis in buffaloes (<i>Bubalus bubalis</i>).	1995	Dr. N.S. Bhosle
16	S. T. Mandge	Age related changes in the histology of skin in Deccani sheep.	1996	Dr. N.S. Bhosle
17	P. J. Kapdnis	Study on histology of skin in Osmanabadi goats.	1996	Dr. N.S. Bhosle
18	S. M. Sanap	Histology and Histochemistry of thyroid gland in prepubertal, pubertal and castrated cattle.	1997	Dr. R.R. Mugale
19	V. S. Patil	Histological and histochemical study of the skin in the intact and castrated Red Kandhari cattle.	1998	Dr. R.R. Mugale
20	Miss. A. V. Khalikar	Histomorphology of testis in poultry.	1999	Dr. N.S. Bhosle
21	Miss. V. R. Garje	Histology and histochemistry of the kidneys in goat.	1999	Dr. N.S. Bhosle
22	A. P. Sarkate	Histology and histochemistry of the thyroid glands in goat.	1999	Dr. N.S. Bhosle
23	Dr.H. B. Naragude	Histomorphology of oviduct in poultry.	1999	Dr. N.S. Bhosle
24	S. N. Dhale	Histology and histochemistry of the uterus in goat.	2001	Dr. N.S. Bhosle
25	U.R.Shinde	Histology and histochemistry of the pancreas in poultry.	2001	Dr. N.S. Bhosle
26	S. M. Khandare	Gross anatomy, histology and histochemistry of the tongue in goat with special reference to taste buds.	2001	Dr. N.S. Bhosle

27	Miss. S. S. Modekar	Goss anatomy, histology and histochemistry of liver in goat.	2001	Dr. N.S. Bhosle
28	N. M. Karad	Goss anatomy, histology and histochemistry of spleen in goat.	2001	Dr. N.S. Bhosle
29	M. P. Deshpande	Comparative anatomical studies on large intestine in broilers and layers at different postnatal developmental stages in poultry.	2003	Dr. N.S. Bhosle
30	C. D. Kachave	Comparative anatomical studies on small intestine in broilers and layers at different postnatal developmental stages in poultry.	2003	Dr. N.S. Bhosle
31	M. B. Hole	Histological study of skin in Red kandhari cows.	2003	Dr. N.S. Bhosle
32	R. B. Nimase	Histological and histochemical studies of testes and accessory sex glands in buck.	2003	Dr. N.S. Bhosle
33	H. M. Aage	Comparative histological and histochemical studies of abomasum in cattle, sheep and goat.	2004	Dr. N.S. Bhosle
34	S. D. Kadam	Comparative histological and histochemical studies of large intestine in cattle, sheep and goat.	2004	Dr. N.S. Bhosle
35	A. K. Thete	Comparative histological and histochemical studies of small intestine in cattle, sheep and goat.	2005	Dr. N.S. Bhosle
36	R. U. Rohankar	Histological study of the pancreas in sheep.	2005	Dr. N.S. Bhosle
37	B. M. Karegaonkar	Histological study of the skin in cross breed cattle.	2005	Dr. N.S. Bhosle
38	K. S. Gite	Studies on accessory sex glands of prepubertal and pubertal Deccani sheep.	2006	Dr. N.S. Bhosle
39	Masuoood Ahmad John	Gross anatomical and histomorphological study of small intestine in normal and probiotic fed Japanese quail (<i>Coturnix coturnix japonica</i>).	2012	Dr. C.S. Mamde

40.	N.M. Dahekar	Gross anatomical and histomorphological study of stomach in Japanese quail (<i>Coturnix coturnix japonica</i>)	2013	Dr. C.S. Mamde
42	Miss.K. A. Jadhav	Histomorphological and Histochemical studies of spleen in Local Domestic Pig (<i>Sus scrofa domestica</i>)	2018	Dr. J.Y.Waghaye
43	M. S. Palaskar	Age Related Histomorphological and Histochemical studies on Pancreas in Japanese Quail (<i>Coturnix coturnix japonica</i>)	2018	Dr. J.Y.Waghaye

Doctoral:

Name of Department: Veterinary Anatomy&Histology				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	N. S. Bhosle	Histological and histochemical studies of male accessory sex glands in normal and castrated cattle.	1998	Dr. R.K. Shingatgiri
2	K. M. Gadre	Histology and histochemistry of the tongue with special reference to the development of taste buds on transsection of glossopharyngeal nerve in buffalo calves.	1998	Dr. R.K. Shingatgiri
3	R. R. Mugale	Histomorphology of the skin of Deoni cattle with reference to the age, sex and their adaptation to different climatic conditions.	2000	Dr. N.S. Bhosle
4	C. S. Mamde	Seasonal variation in the histology and histochemistry of skin in sheep.	2005	Dr. N.S. Bhosle
5	R. U. Rohankar	Histomorphological characterization of skin of cattle breeds of Maharashtra in different climatic condition.	2014	Dr. J.Y.Waghaye
6	S.D. Kadam	Age Related Histomorphological Histochemical and Ultrastructural Status of Lymphoid Organs in Japanese Quail (<i>Coturnix coturnix japonica</i>)	2020	Dr. J.Y.Waghaye

7	C.D. Kachave	Histomorphological characterization of skin in non descript breed of Pig (<i>Sus scrofa domesticus</i>)	2021	Dr. C.S. Mamde
8	N.M. Karad	Histomorphological Studies of Intestine in Relation with Lymphoid Tissue in Japanese Quail (<i>Coturnix coturnix japonica</i>)	2022	Dr. C.S. Mamde
9	P.N. Thakur	Histological, Histochemical and Ultrastructural observation on Oviduct of Pre Laying and Laying Japanese Quail (<i>Coturnix coturnix japonica</i>)	2023	Dr. J.Y.Waghaye

5. Research Papers Published:

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume ; Page Nos.	NAAS Rating, if any
1	C.S.Mamde, R.K. Shingatgiri, K.M.Gadre, N.S.Bhosle and R.R.Mugale	1994	Histology of calf rumen after unilateral cervical vagotomy	Ind.J.Ani .Sci.	64(6): 602-603,	6.20
2	C.S.Mamde, R.K Shingatgeri, K.M Gadre and N.S Bhosale	1994	Histomorphometric observations on oesophagus in normal and vagotomized buffalo calves	The J. of Bombay Veterinary College,	5 (1 and 2): 77.	-
3	C.S.Mamde, R.K Shingatgeri, K.M Gadre and N.S Bhosale	1994	Configuration of elastic fibres in the lamina propria of the buffalo calves	The J. of Bombay Veterinary College ,.	5 (1 & 2): 83-84	-
4	S.M.Sanap, R.R.Mugale, N.S.Bhosle and C.S.Mamde	1998	Histology of thyroid gland in prepubertal, pubertal and castrated cattle	Ind.Vet.J	. 75: 813-816,	4.99
5	S.M.Sanap, R.R.Mugale, N.S.Bhosle and C.S.Mamde		Histochemistry of thyroid gland in prepubertal, pubertal and castrated cattle	Ind.Vet.J . 75:655-657, 1998		4.99

6	H.P.Gayake, N.S.Bhosle, R.R.Mugale and C.S.Mamde	1999	Histology and histochemistry of cauda epididymis in calves and adult buffaloes	Ind.Vet.J	76:540 - 542	4.99
7	H.B.Naragude, R.R.Mugale, N.S.Bhosle and C.S.Mamde	1999	Histology of infundibulum region in RIR birds	Ind.Vet.J	76:630 - 632	4.99
8	H.B.Naragude, R.R.Mugale, N.S.Bhosle, C.S.Mamde and H.P.Gayake	2000	Effect of age on the histology of isthmus of oviduct in RIR birds	Ind.Vet.J	77:45-47	4.99
9	S.S.Modekar, N.S.Bhosle and C.S.Mamde	2002	Histochemistry of liver in goats	Ind.J.V et.Anat omy.	11 (1&2): 35-36	4.48
10	S.T.Mandg e, N.S.Bhosle , P.J.Kapadni s and C.S.Mamde	2003	Microscopic anatomy of the integument of the Deccani sheep	Ind.J.V et.Anat omy.	15 (1 & 2):68-69	4.48
11	P.J.Kapadnis, N.S.Bhosle and C.S.Mamde	2003	Histomorphological studies of sebaceous gland of neck, skin of Osmanabadi goats	The Veterinar ian.	27 (10): 9- 10	-
12	S.S.Modekar, N.S.Bhosle, C.S.Mamde and S.A.Gaikwad	2003	Histology of liver in Osmanabadi breed of goat	The Bom.Vet. Coll.J.	11 (1& 2) : 35- 36	-
13	S.S.Modekar, N.S.Bhosle and C.S.Mamde	2003	Morphological study of liver in Osmanabadi goat	Ind.J.V et.Anat omy	15 (1&2): 65-67	4.48
14	P.J.Kapadnis, N.S.Bhosle and C.S.Mamde	2005	Study on connective tissue fibres in neck,skin of goat	Ind.J.Ani .Res.	5(2): 27-28	6.40
15	S.B.Lambate, P.L.Dhande,A. D.Patil, C.S.Mamde and S.A.Gaikwad	2008	Gross anatomical observations on stomach of broiler	Ind.J.Vet. Anatomy.	20(01): 32-34	4.48
16	S.B.Lambate and	2008	Histological studies of proventricular and gizzard glands in broiler	Royal Vet. J. of India	4(2): 9- 12	-

	C.S.Mamde					
17	S.B.Lambate, P.L.Dhande, A.D.Patil and C.S.Mamde	2008	A note on biometrical observations on the gizzard of broilers	Ind.J.V et.Anat omy.	20(02):5 99-61	4.48
18	C.D.Kachave, N.S.Bhosle, C.S.Mamde and S.B.Lambate	2009	Histological observations on small intestine in broilers and layer of poultry birds	Royal Vet. J. of India.	5(1&2)	-
19	C.S.Mamde, N.S.Bhosle, S.B.Lambate and R.R.Mugale	2010	Micrometrical observations of epidermis and dermis in sheep with special reference to age season and body regions	The Bom. Ve t.J.	18 (01): 10- 14	-
20	C.S.Mamd e, N.S.Bhosle , R.R.Mugal e and S.B.Lambat e	2010	Effect of age and season on structure of sweat and sebaceous glands in skin of sheep	The Bom. Ve t.J.	18 (01): 42- 43	-
21	C.S.Mamd e, N.S.Bhosle , R.R.Mugal e and S.B.Lambat e	2010	Histological studies of skin in sheep in relation with age, season and region	Ind.J.Vet. Anatomy.	22(01): 5-7	4.48
22	C.S.Mamd e, N.S.Bhosle , R.R.Mugal e and S.B.Lambat e	2010	Histological study on the wool follicles of skin in sheep with special reference to age and season	Ind.J.Vet. Anatomy,	22(02): 47-48	4.48
23	S.B.Lambate, C.S. Mamde and N.S.Bhosle	2010	Gross anatomical study of scapula of adult camel	The Bom. Ve t.J.	18 (01): 32- 33	-
24	John M.A., C.S.Mamde, V.S.Patil and S.M.Khandare	2012	Gross anatomical study of small intestine in Japanese quail	Ind.J.Vet. Anatomy ,	24(02): 82-83,	4.48
25	John M.A., C.S.Mamde,	2012	Histomorphological studies on the small intestine of Japanese quail	Ind.J.Vet. Anatomy,	24(02): 103-105,	4.48

	V.S.Patil and N.M.Dahekar					
26	N.M.Dahekar, C.S.Mamde, Masuood Ahmad John and R.U. Rohankar	2014	Gross Anatomical and Histomorphological studies on proventriculus of Japanese quail	Ind.J.Vet .Anatom y,	26(01): 62-63	4.48
27	Masuood Ahmad John, C.S. Mamde, R.U.Roha nkar and N.M. Dahekar	2014	Effect of probiotics on micrometry of small intestine in Japanese quail.	The Ind.Vet.J.	Vol.91 No.5, 42-44	4.48
28	Masuood Ahmad John, C.S. Mamde, R.U.Roha nkar and O.K.Bab a	2015	Comparative anatomical studies on rib cages of kite (<i>Millvus migrans</i>) and crow (<i>Corvus splendens</i>)	Applie d Bio. Res.	17(2): 210-213;	6.30
29	C.D. Kachave , C.S. Mamde, N.M. Karad and S.B. Lambate	2021	Micrometrical Observations of Skin in Indigenous Pig	Indian Journal of Veterinary Anatomy	33 (2): 162-163,	4.48
30	N.M. Karad, C.S. Mamde , C.D. Kachave and P.N. Thakur	2021	Micrometrical Observations of Various Tunics of Intestine in Quail	Indian Journal of Veterinary Anatomy	33 (2): 168-169	4.48
31	CD Kachave, CS Mamde, NM Karad and SB Lambate	2021	Histomorphometric characterization of sweat glands in indigenous pig	Journal of Entomolog y and Zoology Studies	9(5): 461-464	-
32	PN Thakur, JY Waghaye, C.S. Mamde, SD Kadam	2022	Histochemical Observations of Vagina in Pre-laying and Laying Japanese Quail (<i>Coturnixcoturnix japonica</i>)	Indian Journal of Veterinary Anatomy	34(1): 77-78	4.48
33	N.M. Karad, C.S. Mamde , C.D. Kachave	2022	Gross Features Of Intestine In Japanease Quail	Internation al Journal of Science,	Vol. 11, No 1, , 55-59	4.17

	and P.N. Thakur			Environm ent and Technolog y ,		
34	P.N. Thakur, J.Y. Waghaye. C.S. Mamde, S.D. Kadam and N.M. Karad	2022	Gross features of oviduct in pre-laying and laying japanease quail (<i>Coturnixcoturnix japonica</i>)	Internation al Journal of Science, Environm ent and Technolog y,	Vol. 11, No 1, 51 – 54	4.17
35	P.N. Thakur, J.Y. Waghaye, C.S. Mamde, S.D. Kadam and N.M. Karad	2022	Ultrastructural Observation of Vagina in Pre-Laying and Laying Japanese Quail (<i>CoturnixCoturnix Japonica</i>)	<i>Acta Scientific Veterinary Sciences</i>	4.10 13- 15.	-
36	S.D. Kadam, J.Y. Waghaye, P.N. Thakur	2022	Histomorphological Study of Thymus in Japanese Quail (<i>Coturnixcoturnix japonica</i>)	Indian Journal of Animal Research.	1-7	6.40
37	S.D. Kadam, J.Y. Waghaye, P.N. Thakur	2022	Age related histochemical status of spleen in Japanese Quail (<i>Coturnixcoturnix japonica</i>)	Indian Journal of Veterinary Anatomy.	34(2): 88-90	4.48
38	N.M. Karad, C.S. Mamde and P.N. Thakur	2024	Morphometerical observations of intestine in Japanese quail	Indian Journal of Animal Sciences	94 (3): 243–246	6.20

List of Marathi and Popular articles published: 25

6. Research Recommendations:- Nil

Sr. No.	
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Year	
Project Title	
Investigators	
Recommendations	

7. MOU signed by the Colleges :Nil

Sr. No.	MOUS Between	Date of signing	Place	Duration
	Party – 1 & Party - II			

8. Research Priorities / Thematic areas: Department of Veterinary Anatomy & Histology

1. Applied Anatomy
2. Anatomical Techniques
3. Artificial Intelligence

9. Significant Research Achievement:

Sr. No.	Achievements	Description
1	Patents Awarded	Nil
2	Breed Registration	Nil