Research:

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	Duration
1.	Revolving Fund Scheme of ICAR "Application of Anatomical Technique for preparation of Articulated / Mounted Skeleton, Laboratory / Museum Specimens and Histological slides of Visceral organs of Domestic /Wild Animals and Birds"	Dr. V. R. Bhamburkar	ICAR, New Delhi		Extra-mural	Completed	5yrs
2	Draft Power Assessment of Different Breeds of Cattle and Buffalo in	Dr. V.R. Bhamburkar; P.I.	NATP (CGP) ICAR, New Delhi		Extra-mural	Completed	3yrs

	Vidarbha Region	Dr. S. B. Banubakode Co-P. I, Dr. N. C. Nandeshwar; Dr. Rupali Y. Charjan; J.R.F.					
3..	FIST programme for strengthening of Department	Dr. V.R. Bhamburkar;P.I	Science and Technology, New Delhi		Extra-mural	Completed	2yrs

2. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers

3. **Thesis:**

Master:

Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr. J. Y. Waghaye	Histomorphological, Histochemical&Immunohistological Studies on Some Lymphoid Organs in goat *(caprahircus)*	1998	Dr. V. R. Bhamburkar
2	Dr. B. N. Meshram	Age Related Histomorphological and Histoenzymic Changes In Pancreas of Goat	1999	Dr. R. S. Dalvi
3	Dr. S. K. Karmore	Age Related Changes in Histomorphology and Histoenzymic Distribution in testes and epiodydamis in goat *(caprahircus)*	1999	Dr. V. R. Bhamburkar
4	Dr. V. A. Patil	Age Related Histomorphological and Histoenzymic Changes in Thyroid Gland In Relation To Anterior Pitutatry In Goat	2000	Dr. V. R. Bhamburkar
5	Dr. A. A. Gawande	Studies on Prenatal Development of Stomach and Intenstine in Goat	2001	Dr. V. R. Bhamburkar
6	Dr. J.S. Tekade	Studies on Prenatal Development of Gonads in Goat	2001	Dr. R. S. Dalvi
7	Dr. J.M. Hood	Studies on Prenatal Development of Kidney, Ureter and Urinary Bladder in Goat	2001	Dr. R. S. Dalvi
8	Dr. A. D. Barde	Comparative Neuroanatomical Studies on Olfactory Apparatus in Dog and Cat	2002	Dr. R. S. Dalvi
9	Dr.R.Y. Charjan	Radiographic Anatomical Studies on The Fusion of Ossification Centres in The Developing Limb Bones of Different Breeds of Dog *(Caninfamiliaris)*	2002	Dr. V. R. Bhamburkar

10	Dr.V.H. Kadukar	Radiographic Studies On The Appearance Of Ossification Centers And Fusion Of Epiphyseal Plate in The Pelvic Limb Bones of Dog	2003	Dr. S.B.Banubakode
11	Dr. M.A. Kale	Age ReleatedHistomorphological and Histoenzymic Changes in Adrenal Gland In Releation to Anterior Pituitary in Goat	2000	Dr. V. R. Bhamburkar
12	Dr. U.P. Mainde	Studies on Prenatal Development of Thymus in Goat *(Capra hircus)*	2007	Dr. N.C. Nandeshwar
13	Dr. B. A. Zade	Age ReleatedHisological&Histochemical Changes inTestis of Dog *(CanisFamillaris)*	2007	Dr. O.N. Ladukar
14	Dr. S. S. Bodkhe	HistochemicalChenges During Histogenicis of Thymus in Chicken Embryo of RIR Layers *(Gallus GallusDomesticus)*	2006	Dr. S. B. Banubakode
15	Dr. H.S. Gabhane	Histomorphogical and Histochemical Study On Lymphoid Tissue In The Alimentary Tract Of Goat *(Capra hircus)*	2008	Dr. N.C. Nandeshwar
16	Dr. D.E. Gaykee	Differentiation of Spotted Deer from Domestic Ruminants by PCR Technique	2008	Dr. S. B. Banubakode
17	Dr. R.U.Gajbe	Identification of Domestic Animals By PCR Technique	2009	Dr. S. B. Banubakode
18	Dr. A.M. Salankar	Identification of some carnivore animals by PCR technique	2010	Dr. S. B. Banubakode
19	Dr. P.M. Gedam	Histomorphological and Histochemical Studies on Instestinal Lymphoid Tissues in Kadaknath Breed of Poultry. *(Gallus GallusDomesticus)*	2010	Dr. N.C. Nandeshwar
20	Dr. S. Sathapathy	Histological and histochemical studies on angioarchitecture of coronary artery in goat (*Capra hircus*)	2013	Dr. R. S. Dalvi

21	Dr. S. P. Khandate	Histological and histochemical studies on angioarchitecture of femoral artery in goat (*Capra hircus*)	2013	Dr. N.C. Nandeshwar
22	PawanKawareti	Gross anatomical and morphometrical studies on hooves in equines (*Equuscaballus)* on different age groups	2016	Dr. N. C. Nandeshwar
23	PiyushBhole	Identification of species and sex of domestic animals by PCR technique	2023	Dr. R. Y. Charjan
24	Aayesha Bodupalli	Histomorphological and Histochemical studies of intestine in normal and *saccharomyces cerevisiae*fermented product fed broiler	2024	Dr. U. P. Mainde

Doctoral:

Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr. R.S. Dalvi	Study of anatomy of stifle joint complex in domestic ruminants	1982	Dr. R.V. Pandit
2	Dr.S.B. Banubakode	Histological,Histochemical&Immunohistological changes in oviduct & uterus during different phases of estrus cycle & early pregnancy in goat	1999	Dr.V.R. Bhamburkar
3	Dr.N.C. Nandeshwar	Histomorphological, Histochemical&Immunohistological Studies on some Endocrine Organs of Goat *(Capra hircus)*	2007	Dr.V.R. Bhamburkar
4	Dr. J. Y. Waghaye	Histological and Histochemical Changes in Ovary During Different phases of oestrus cycle in goat	2007	Dr.V.R. Bhamburkar
5	Dr. B. N. Meshram	Electron Microscopic and Histoenzymatic studies on Pancreatic Islets In Goat	2008	Dr. R.S. Dalvi
6	Dr. S. K. Karemore	Electron Microscopic and Histoenzymatic Studies on the Testis	2008	Dr. R.S. Dalvi

		and The Extra Testicular Duct System of Goat		
7	Dr. DurgaChaurasia	Histochemical and Ultrastructural Studies on Mammary Gland in Buffalo *(Babalusbubalis)*	2011	Dr. R.S. Dalvi
8	Dr. A. M. Salankar	Histological and histochemical studies on cerebrum, cerebellum, pons and medulla oblongata in goat (*Capra hircus*).	2016	Dr. R.S. Dalvi
9	Dr. P.M Gedam		2016	Dr.N.C.Nandeshwar
10	Dr.JigyasaRana	Histomorphological and Histochemical studies on gut associated lymphoid tissue of Khaki Campbell breed of duck(*Anasplatyrhynchos*)	2018	Dr.S.B.Banubakode
11	Dr. U.P. Mainde	Histological, Ultrastructural and histochemical studies on skin of goat (*Capra hircus*).	2019	Dr.S.B.Banubakode
12	Dr. R. Y. Charjan	Trichology of domestic and wild animals: A forensic approach	2020	Dr.N.C.Nandeshwar

Research Papers Published:

List of Research Publications:

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.
1	V. R. Bhamburkar; S. B. Banubakode and R. Y. Charjan	(2005)	Assessment of work performance in cattle and buffalo	Draught Animal News	Vol. 42: 11 – 12
2	P. L. Dhande; R. B. Bhosle and S. B. Banubakode	(1995)	Effect of length of gestation period on birth weight and sex of calf in gir and its crosses	Livestock Advisor	Vol. XX Issue XI : 09 – 12.
3	V .A. Patil, V. R. Bhamburkar, R. S. Dalvi, S. B. Banubakode and M. A. Kale.	(1998)	Morphometrical study of pelvis in some animals	J. Bombay Vet. Coll	6(1): 45 – 46.
4	M. A .Kale, V. R .Bhamburkar, R .S. Dalvi, O. N. Ladukar, S. B. Banubakode and V. A. Patil:.	(1999)	Scapular Index as rider for species identification	Intas Polivet,	Vol No. 1 Jan to June : 72 – 73.
5	M.A.Kale, V.R.Bhamburkar, R.S.Dalvi, S.B.Banubakode and V.A.Patil:	(1999)	Histological and histochemical study of preen glands in fowl (*Gallus gallus domesticus*)	Indian J. Vet. Anat	11(2) : 176 – 177

6	D. R. Kalorey; V. C. Ingle; R. Vijay; S. R. Bache; N. V. Kurkure; A. G. Ganorkar; S. B. Banubakode and S. D. Harne	(2000)	A preliminary study on feacal microflora in captive spotted deer (A*xis axis*),	Indian Journal of Compound Microbiol., Immunological. Infectious Diseases.	Vol. 21 No. 1 : 160.161
7	A. A. Gawande; V. R. Bhamburkar; S. B. Banubakode; N.C. Nandeshwar; R.S.Dalvi and R. Charjan	(2000)	Morphometric studies on skull of deer (*Axis axis*)	J. Bombay Vet. Coll	8 (1-2) 46 – 48
8	A. A. Gawande; A. B. Barde; V. R. Bhamburkar; S. B. Banubakode; R. S. Dalvi and N. C. Nandeshwar	2000	Clinical anatomy of skull of tiger (*Panthera tigris tigris*) with reference to foramina	J. Bombay Vet. Coll.	8 (1-2) 44 – 45.
9	B. N. Meshram; R. S. Dalvi; V. R. Bhamburkar; S. B. Banubakode and N. C. Nandeshwar	(2000)	Histomorphological studies on caprine pancreas with reference to ageing.	Indian Journal of Veterinary Anatomy	13(2): 130 – 133
10	S. K. Karemore; V. R. Bhamburkar; S. B. Banubakode; R. S .Dalvi and J. Y. Waghaye	(2001)	Histochemical and histoenzymic studies of caprine pancreas.	Indian Journal of Veterinary Anatomy	IJVA 14 (1&2): 43 – 50
11	B. N. Meshram; R. S. Dalvi; V. R. Bhamburkar; S. B. Banubakode; N. C.	(2002)	Histochemical and histoenzymic studies of caprine pancreas.	Indian Journal of Veterinary Anatomy.	14(1&2): :5 – 7.

	Nandeshwar and S. K. Karmore				
12	R. Y. Charjan; V. R. Bhamburkar; S. B. Banubakode; R. S. Dalvi; N. C. Nandeshwar and V. H. Kadukar	(2002)	Radiographic study on status of developing canine pectoral limb bones.	Indian Journal of Veterinary Anatomy	IJVA 14 (1&2): 43 – 50.
13	Banubakode, S. B.; V. R. Bhamburkar; N. C. Nandeshwar and R.S. Dalvi	2003)	Agewise biometriocal changes in the harderian gland of broilers	Journal of Bombay Veterinary College,	11 (1 & 2).
14	S. K.Karmore; V. R. Bhamburkar; R.S. Dalvi; S.B.Banubakode and N.C. Nandeshwar	(2003)	Histomorphology of testes of goat (*Capra hircus*)	The Indian Journal of Anim. Sc.	73 (2) : 52 – 55.
15	M.A.Kale; V. R. Bhamburkar; S.B.Banubakode; N. C. Nandeshwar and R.S.Dalvi	(2003)	Histomorphology of adrenal cortex of goat (*Capra hircus*)	Indian Journal of Veterinary Anatomy	15 (1&2) : 13 – 17.
16	J. Y. Waghaye; V. R. Bhamburkar; S. B. Banubakode; R. S. Dalvi and S. C. Vhora	(2003)	Histological changes during follicular atresia in the ovary of goat (*Capra hircus*)	Indian Veterinary Medical Journal	Vol. 27 : 348 – 350.
17	P. N. Shinde; D. K. Maske; D. Samradhni; S. W.		Eperythrozoonosis in cattle and buffaloes and its treatment	Journal of Veterinary Parasitology	18 (1) : 94 – 96.

	Kolte and S. B. Banubakode				
18	P. S. Deshmukh; N. C. Nandeshwar; V. R. Bhamburkar; S. B. Banubakode and R. S. Dalvi	(2004)	Histological study of pancreas of peacock (*Pavo cristatus*)	Indian Veterinary Medical Journal.	Vol. 28 : 35 – 36.
19	V. H. Kadukar; S. B. Banubakode; V. R. Bhamburkar and R. Y. Charjan		Radiographic studies on growth and development of the femur of dog (*Canis familiaris*)	Indian Journal of Veterinary Anatomy	16 (1&2) : 17 – 20.
20	D. K. Maske; G. K. Urade; S. W. Kolte; S. B. Banubakode; P. N. Shinde and D. Samradhni	(2004)	Therapeutic management of hypodermosis in cattle.	Intas Polivet	Vol. 5 (1) : 37 – 39.
21	V. D. Shankhapal; V. R. Bhamburkar; Dalvi, R. S.; S. B. Banubakode and A. P. Gawande.	(2004)	Morphometric observations of skull of Indian Tiger (*Panthera tigris tigris*).	Journal of Bombay Veterinary College.	Vol. 12 (1&2) : 74 – 76
22	V. R. Bhamburkar; S. B. Banubakode and Rupali Charjan		Changes in the blood constituents of working bullocks during exercise on tread mill machine,	International Journal of Cow science	1(1) : 43 – 46.

23	N. Shinde; D. K. Maske; D. Samradhni; S. W. Kolte and S. B. Banubakode	(2005)	Some observations on bovine malaria associated with developing phases of *Plasmodium bubalis* in Vidarbha region of Maharashtra.	Journal of Veterinary Parasitology	19(1) : 61 – 62.
24	S. B. Banubakode; V. R. Bhamburkar; S. C. Vhora; . V. D. Shankhapal and R. Y. Charjan	(2005)	Histological study on changes in the oviduct during different phases of estrus cycle in goat (*Capra hircus*).	Indian journal of Veterinary Anatomy	17 (1&2) : 15 – 18.
25	M. S. Dhakate; B. M. Gahlod; S. N. Patil; S. V. Upadhye; N. P. Dakshinkar and S. B. Banubakode	(2005)	Upward fixation of patella in a horse- A case report.	Royal Veterinary Journal of India	Vol. 1 : 57 – 58.
26	R. K. Motiani; S. P. Deshmukh; S. B. Banubakode; J. Y. waghaye; S. S. Bodkhe and S. Nain	(2006)	Histomorphology of intestine of Monitor lizard (*Varanus bengalensis*)	Indian Journal of Veterinary Anatomy	18(2) :
27	S. S. Bodkhe; S. B. Banubakode; B. A. Zade; U. P. Mainde; R. S. Dalvi; A. G. Poharka	(2007)	Gross anatomical study of sternum of vulture (*Gyp bengalensis*). r	Veterinary World	Vol. 6 No. 1 : 07 -08
28	Rajan Gajbe; S. B. Banubakode; S. M. Yasin; Nitesh K. jain; Gurdeep Khan	2011	PCR technique as a tool for identification of domestic animals.	Veterinary Practitioner	Vol. 12 No. 2 : 181-183.

29	D. Chaiurasia; R. S. Dalvi, S. B. Banubakode, S. P. Ingole and B. Sinha	2013	Histological and histochemical study of Corpora Amylacea in Murrah buffalo.	Indian Veterinary Journal	90 (12) : 62-64
30	R. Y. Charjan; Sathpathy; S. B. Banubakode and S.K. Joshi	2014	Radiographic studies on the fusion of ossification centres in the developing scapula and humerus bones in different breeds of dog (C*anis familiaris*)	Indian Journal of Veterinary Anatomy	vol. 26(1): 22-24
31	J. Y. Waghaye S. B. Banubakode, R. Y. Charjan, Jigyasa Rana N. C. Nandeshwar, U. P. Mainde	2014	Age related histo-morphological changes of spenic connective tissue in goat (*Capra hircus*)	The Indian Journal of Veterinary sc. & biotechnology	Vol. 13, issue 2, 1-6
32	R. Y. Charjan; Sathpathy; S. B. Banubakode and S. K. Joshi	2014	Radiographic anatomical studies on the fusion of ossification centres in the developing radius, ulna, carpal, metacarpal and phalanges of right forelimb in different breeds of dog (C*anis familiaris*);	Indian Journal of Veterinary Anatomy	vol. 26(1): 76-78
33	S. Sathapathy; S. K. Joshi; S. P. Khandate; R.S. Dalvi; S. B. Banubakode; U. P. Mainde; N.C. Nandeshwar and P.M. Gedam	(2014)	Comparative histochemical studies on the angioartchitecture of coronary and femoral artery in goat (*Capra hircus*)	Indian Journal of Veterinary Anatomy	vol. 26(1): 107-109

34	Sathapathy; Joshi S. K.; ; Khandate; R. S. Dalvi; R. Y. Charjan; U.P.Mainde; S. B. Banubakode and M.K.Singh	June 2015	Histochemical studies on the angioarchitecture of coronary artery in goat (*Capra hircus*)	The Asian Journal of Animal Science	10 (1) : 37-42
35	A. M. Salankar, R. S. Dalvi, S. B. Banubakode, U. P. Mainde and P. K. Kavareti	2016	Age related changes in Neuronal cell packing density of Occipital lobe in Goat (*Capra hircus*)	Indian Journal of Veterinary Anatomy	28 (1) : 49-51;
36	S. S. Bodkhe, S. B. Banubakode, R. Y. Charjan, Jigyasa Rana	(2016)	Immunohistochemical studies of thymus in chick embryo of RIR layers *(Gallus gallus domesticus)*,	International journal of Science, Environment and Technology.	Page – 2286 – 2289.
37	R. Gajbe, S. B. Banubakode, R. Y. Charjan, N. V. Kurkure, Jigyasa Rana, U. P. Mainde and Amol Salankar	(2016)	Differentiation of cattle and Buffalo by PCR-RFLP method	Indian Journal of Veterinary Anatomy	28 (2) Page – 74 – 76.
38	N. C Nandeshwar, S. B. Banubakode, R. Y. Charjan, U. P. Mainde and Jigyasa Rana	2017	Biometerical studies on adrenal gland of goat in different age groups	International Journal of Science, Environment and Technology	Vol. 6, No 4 : 2683-2687.;
39	Jigyasa Rana, S.B. Banubakode, N. C Nandeshwar, Rupali Charjan, U. P. Mainde and	2017	Comparative morphological study of Tactile hair of Tiger and Leopard	Global Journal of Bio-science and Biotechnology	Vol. 6 (3): 500-503.;

	Shailesh Kumar Patel				
40	U. P. Mainde, N. C. Nandeshwar, R. S. Dalvi, S. B. Banubakode, A. M. Salankar, S. Sathapathy and J. Rana	2017	Histogenesis of Thymus in Different Prenatal Age groups of goat Foetus	Indian Journal of Veterinary Anatomy	29 (1): 5-6.;
41	Jitendra Waghaye; S. B. Banubakode; Rupali Charjan; Jigyasa Rana and Naresh Nandeshwar;	2017	Age related hitomorphological study of splenic parenchyma in goat (*Capra hircus*)	Indian Journal of Veterinary Anatomy	Vol. 29 No. 2 : 1-6;
42	Kawareti; N. C. Nandeshwar, S. B. Banubakode; D. V. Patil, A. M. Salankar, U. P. Mainde and S. Ganguly	(2017)	Morphometrical studies on hooves in horses (*Equus cabalus*) in different age groups	International Journal of livestock Research	Vol. 7 (11)
43	U. P. Mainde, S. B. Banubakode, N. C. Nandeshwar, R. Y. Charjan, A. M. Salankar and D. V. Patil	2018	Histological and Histochemical studies of Epidermis of goat *(Capra hircus)*	Indian Journal of Veterinary Anatomy	30(2): 116 -117
44	Jigyasa Rana, S. B. Banubakode, N. C. Nandeshwar, N. V. Kurkure, J. P. Korde and S. K. Patel	2018	Histochemical changes during development of Harderian gland in chicken.	J. Anim. Res	

45	J. Rana, S. B. Banubakode, N.C. Nandeshwar, Rupali Charjan and U. P. Mainde	(2018)	Post hatched Developmental Changes in the Harderian gland of Chicken	Indian Journal of Veterinary Sciences and Biotechnology	13(4): 40-45.
46	Jigyasa Rana[1*], Sanjay B. Banubakode[1], Shailesh Kumar Patel[2], R. S. Dalvi[1], N. C. Nandeshwar[1] and R. Charjan	(2019)	Pre-hatched Developmental Changes of Harderian Gland in Chicken.	Journal of Animal Research	
47	U. P. Mainde, S. B. Banubakode, N. C. Nandeshwar, S. W. Bonde, R. Y. Charjan, A. M. Salankar and P. M. Gedam	2019	Histological and Histochemical studies of sweat glands in goat *(Capra hircus)*	Indian Journal of Science, Environment and Technology	63-69
48	U. P. Mainde, S. B. Banubakode, N. C. Nandeshwar,R.Y. Charjan and A. M. Salankar	2019	Histological and Histochemical studies of sebaceous glands in goat *(Capra hircus)*	Indian Journal of Veterinary Anatomy	31 (1) : 154-155
49	R.Y. Charjan, N.C. Nandeshwar, S. B. Banubakode, N. V. Kurkure and S. W. Bonde	2019	Cuticular and medullary structure of some wild herbivores	The Indian Journal of Veterinary Sciences and Biotechnology	15 (1)

50	U. P. Mainde; S. B. Banubakode; N. C. Nandeshwar; R. Y. Charjan; Sathapathy, A. M. Salankar	2020	Transmission electron microscopic studies on skin of goat (*Capra hircus*)	Journal of Animal research	Vol. 10 (5) : 711-716
51	Jigyasa Rana1*, Shailesh Kumar Patel 2, S.B. Banubakode and Rupali Charjan	Oct' 2020	Comparative Gross Morphological Studies on the Lower Jaw (of Cattle Egret (*Bubulcus ibis*), Jungle Babbler (*Turdoides striata*), Yellow-footed Green Pigeon (*Treron phoenicoptera*), Barn Owl (*Tyto alba*) and Shikra (*Accipiter badius*)	International Journal of Livestock Research	Vol. 10 (10)
52	Rupali Charjan; P. D. Bhole, S. B. Banubakode, S. V. Shinde, S. G. Jadhao, U. P. Mainde, N. C. Nandeshwar and Anand Singh	2022.	Identification of sex of domestic ruminants by using PCR technique	Indian Journal of Veterinary Anatomy	Vol. 34, No. 1 : 81-82;
53	P. D. Bhole, Rupali Charjan; S. B. Banubakode, , N. C. Nandeshwar U. P. Mainde ,Anand Singh and Ayesha Bodupalli	2024	Identification of species and sex of domestic anials by PCR based molecular markers	International journal of veterinary science and animal husbandry	Vol ; NO.2; 158-161

54	P. D. Bhole, Rupali Charjan; S. B. Banubakode, , N. C. Nandeshwar U. P. Mainde ,Anand Singh and Ayesha Bodupalli	2024	Species identification by PCR method using ‘Cytochrome B’ as a molecular marker	International journal of veterinary science and animal husbandry	Vol ; NO.2; 151-153

Research Recommendations:

Sr. No.	**1.**
Year	2019-20
Project Title	Trichology of Domestic and Wild Animals : A Forensic Approach
Investigators	**Name of Guide :** Dr. N. C. Nandeshwar; **Name of Student:** Rupali Charjan
Recommendations	Cuticular characteristics of hair can be best studied with negative scale cast prepared by using transparent Nail Enamel as best substitute for Scanning Electron Microscopy.
Sr. No.	**2.**
Year	2019-20
Project Title	Trichology of Domestic and Wild Animals : A Forensic Approach
Investigators	**Name of Guide :** Dr. N. C. Nandeshwar; **Name of Student:** Rupali Charjan
Recommendations	Cross section of the hair can be used for identification of species of animals at group of species level.
Sr. No.	**3.**
Year	2019-20
Project Title	Trichology of Domestic and Wild Animals : A Forensic Approach
Investigators	**Name of Guide :** Dr. N. C. Nandeshwar; **Name of Student:** Rupali Charjan
Recommendations	Species of animals can be identified from the mitochondrial DNA of hair sample by molecular
Sr. No.	**4**
Year	2022-23

Project Title	Identification of species and sex of domestic animals by PCR technique
Investigators	**Name of Guide :** Dr. Rupali Charjan **Name of Student:** Piyush Bhole
Recommendations	1)It is recommended to use species specific primer “cytochrome b gene” for identification of species of domestic animals. 2)the SRY and GAPDH gene as sex specific marker in duplex PCR are recommended for identification of sex of domestic animals.