

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 (Completed/Ongoing)	Duration
1.	Association of sperm mitochondrial functional markers with semen quality traits in murrhah buffalo	Dr.S.N Jadhav	ICAR Ad-HOC extramural	30 Lakh	Extramural	Completed	Two years 2015-2017
2.	Molecular characterization of defensin-1 like antimicrobial peptide cDNA from Osmanabadi goat	Dr. A. K Barate	Self	0.55	Intra-Mural	Ongoing	Two yrs
3.	Gene expression analysis of circulating exosomal miRNA for identifying markers associated with canine mammary tumor	Dr.S.N Jadhav	MAFSU Research grant	2 lakh	University fund	Ongoing	One year 2025

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	Determination of the minimum inhibitory concentration of various compounds	Dr.A.K Barate	ALEMBIC PHARMACEUTICALS LTD.	3.64	Extramural	Completed	2 yrs

	against poultry Mycoplasma and E. coli species						
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3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1.	Identification of molecular markers associated with health, disease and production in livestock	To enhance the productivity of livestock through the utilization of novel molecular markers	Identify novel molecular markers associated with production related disease	Increasing the productivity of livestock
2	Study of innate immunity/antimicrobial peptides in health and disease of goats	To study of innate immunity/antimicrobial peptides in health and disease of goats	To study of innate immunity/antimicrobial peptides in health and disease of goats	It will help in selection of disease resistant animals

4. Thesis: Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Shubham Sudhir Gawade	Comparative study on gene expression of sertuin 1 and 3 gene and its effect on metabolic profile of adult indigenous pigs and piglets	2023	Dr.S.N Jadhav

Doctoral:

Name of Department:				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor

5. Research Papers Published:
List of Research Publications:

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.	NAA S Rating, if any
1	RB Ambade, SN Jadhav, NB Phalke	2010	Impact of azolla as a protein supplement and its Influence on feed utilization in livestock	Livestock line	4.4 (2010): 21-23.	4.83
2	Sameer Jadhav, K. Siva Reddy, B.R. Rashmi, H.J. Dechamma, K. Ganesh, V.V.S. Suryanarayana, G.R. Reddy	2011	Improved immune response by ID-pVAC: a secretory DNA vaccine construct delivered by PLG micro particles against foot and mouth disease in guinea pigs.	Research in veterinary science	91 (1), 86-89	8.55
3	PU Kore, RP Kolhe, PD Deshpande, CD Bhong, SN Jadhav	2014	Prevalence of antimicrobial resistant Aeromonas in chicken and fish washings	African Journal of Microbiology Research	8, no. 27 (2014): 2609-2615	**
4	VD Lonkar, AS Kadam, VR Patodkar, SN Jadhav, RP Kolhe, Shivi Maini Shivi Maini	2014	Polyherbal hypocholesterolemic supplements lowers egg yolk cholesterol without affecting performance and egg quality in layers	Research journal of Animal Husbandry and Dairy Science	Vol 5 issue 2 December 2014 126-130	##
5	Sejal M.A., Ghumare B.C., Dubey S.A., Jadhav S.N., More P.R. More B.K.	2015	Protective effect of zingiber officinale extract in gentamycin induced nephrotoxicity in wistar rats	Journal of veterinary pharmacology and toxicology	December 2015 vol 14 issue 2 /56-58	4.43
6	V B Patil, B C Ghumare S A Dubey, S.N Jadhav C S Mote	2016	Antidiabetic effect of methanol extract of cassia auriculata on experimental	Journal of veterinary pharmacology and toxicology	December 2016 vol 15 issue 2 5-7	4.43

			diabetes in wistar rats			
7	M H . redekar, S M. bhalerao, A.V. khanvilkar, V.R.. patodkar, A.Y doiphode S.N Jadhav	2016	Effect of supplementation of “moringa oleifera” leaf meal on nutrient digestibility and haemato-biochemical parameters of growing sheep	Haryana veterinarian	2 (58), 213	5.58
8	ND Sonawane, VR Patodkar, VM Sardar, SN Jadhav, VD Lonkar	2017	Influence of age on certain blood biochemical parameters of turkey birds	Indian journal of extension education January	2017 62-66 special issue	5.95
9	D Gandhale, R Kolhe, S Nalband, P Deshpande, U Jagtap, C Dhandore, S Jadhav	2017	Molecular types and antimicrobial resistance profile of staphylococcus aureus isolated from dairy cows and farm environment	Turkish journal of veterinary and Animal sciences dec	2017, 42 -713-724	6.60
10	UV Jagtap, RP Kolhe, PD Deshpande, NV Kurkure, CV Dhandore	2017	Isolation of listeria monocytogenes from peridomestic birds and captive wild animals	Current science	vol 113 no 9 nov 2017	7.17
11	RS Khetmalis, BK More, CS Mote, SN Jadhav, GN Aderao	2018	Experimental study on pathology of Aflatoxicaosis in broiler chicks and its amelioration by Emblica officinalis (Amla) supplementation.	International journal of livestock research	Vol 8(10) March 2018	**
12	S. bhavne, R kolhe, C bhong, S jadhav, S nalband, M ranjan	2018	Isolation of Diarraeagenic Escherichia Coli from poultry Faeces and raw chickens	Journal of animal research	Vol 8 n 5 p 915-923 oct 2018	5.43
13	DS Bhosle, B C ghumare, V V karande, S A dubey, S A rajurkar, C S mote, S, N Jadhav	2018	Antidiabetic effect of distilled cow urine in alloxan induced diabetic wistar rats	Journal of veterinary pharmacology and toxicology	june 2018/vol 17/issue 1/17-21	4.43
14	Patodkar V.R., Jadhav S.N , Bhong C. D Barate A. K Mehere P V	2018	Seasonal variation in copper and zinc levels of soil feed fodder and dairy animals in pune district of Maharashtra	International journal of agriculture Sciences	Vol 10 issue 14 july 2018 p 6765-6768	4.73

15	<u>Jadhav S. A. Bhalerao</u> <u>S. M. Khanvilkar, A.</u> <u>V. Changan, S.</u> <u>D. Jadhav, S. N.</u>	2018	Study of turmeric (Curcuma longa) and ginger (zingiber officinale) powder on blood parameters and immune response in broiler birds	Indian veterinary journal	2018vol 95 No 5 24-26	4.93
16	Manish bale, S. N. Jadhav A B Mali P D pawar	2018	Evaluation of Individual low dose dexamethasone suppression test (LDDST) and ACTH stimulation test for diagnosis of canine Cushing syndrome	Journal of Bombay Veterinary College	Dec 2018 25 (2) 38-42	##
17	RS Khetmalis, BK More, CS Mote, SN Jadhav, GN Aderao	2018	Effect of induced aflatoxicosis on hemato biochemical attributes in broiler and its amelioration by using Emblica officinalis	Journal of Entomology and zoology studies	6(5) 930-933 Aug 2018	**
18	S Bhav, R Kolhe, R Mahadevaswamy, C Bhong, , S. Jadhav , S Nalband	2019	Phylogrouping and antimicrobial resistance analysis of extra-intestinal pathogenic Escheria coli isolated from poultry species	Turkish journal of veterinary and Animal sciences	(2019) vol 13, Number 1-1	6.60
19	Dhandore, R kolhe, U jagtap, P deshpane, S. Jadhav , D muglikar	2019	Detection of vibrio vulnificus in water seafood and fresh water fish	Journal of entomology and zoology studies	2019 7 (4) 230-234.	**
20	V R patodkar, P V mehere, S.N Jadhav.	2019	Leptin hormone diversity in different species explained with polymorphism study in pandharpuri buffalo	Journal of entomology and zoology studies march	2019, 7 (3) 414-416.	**
21	A R gujrathi, K P khillare, M B amle, M D meshram S.N Jadhav.	2019	Reproductive disorders in selected cattle dairy farm of Pune and Nashik district in Maharashtra	Haryana veterinarian April	2019, 58(SI), 104-105.	5.58
22	M H redekar, S M bhalerao, A V khanvilkar, V	2019	Effect of supplementation of moringa	Haryana vet	(December 2019), 58 (2), 13-216.	5.58

	R patodkar, A Y doiphode, S.N Jadhav.		oleifera leaf meal on nutrient digestibility and hemato biochemical parameters of growing sheep			
23	Patodkar V.R., Jadhav S.N , Bhong C. D	2019	Seasonal changes in levels of copper and Zinc in soil feed dodder and serum of livestock from Kolhapur district of Maharashtra	International Journal of Agriculture Sciences	(2019) Vol 11 issue 17 pp 8979-8982	4.73
24	Patodkar V.R., Jadhav S.N , Bhong C. D	2019	Seasonal variation in levels of copper and zinc in soil, feed, fodder and serum of dairy animals from satara district of Maharashtra.	International journal of agricultural sciences	(2019) 11 (17), 8964-8967	4.73
25	Patodkar V.R. , Jadhav S.N , Barate A.K	2019	Seasonal changes in copper and zinc levels in soil, feed, fodder and serum of livestock from sangli district of Maharashtra.	International journal of agricultural sciences	(2019) , 11 (17), 8996-8999	4.73
26	Patodkar V.R., Jadhav S.N , Jadhav Y.B.	2019	Assessment of seasonal changes in copper and zinc content in soil, feed, fodder and serum of livestock from solapur district of Maharashtra	International journal of agricultural sciences	(2019), 11 (18), 9028-9031.	4.73
27	A M gadhave, VV karande, B C ghumare, K kundu, Jadhav S.N	2019	Evaluation of Anthelmintic Efficacy of ethanolic extract of punica granatum in goats	Indian Journal of pure and applied biosciences	(2019) 7 (6) 460-464 2019.	**
28	A M gadhave, VV karande, bc ghumare, K kund, Jadhav S.N	2019	Evaluation of Anthelmintic Efficacy of ethanolic extract of Azadiracta Indica in goats	Indian Journal of pure and applied biosciences	(2019) 7 (2) 568-573	**
29	AA betgiri Jadhav S.N , M pawde, A shukla, C mote, PD pawar	2019	Mitochondrial cytochrome oxidase c subunit III (cox3) gene as a sensitive and specific target for molecular detection of	Experimental parasitology	205-206	8.13

			babesia gibsoni infection in dogs			
30	R R magdum, M B amle, M N rangnekar, Jadhav S.N , K P khilare	2020	Association between Physio morphological characteristics and antioxidant in murrah buffalo semen	Haryana Vet.	(March, 2020), 59(SI), 27-30.	5.58
31	Vijay Kadam, Abhijit Barate , Tejas Shende , Sameer Jadhav , Mahesh Rangnekar, Kavita Khillare And Hemant Birade	2020	Association of semen traits in consecutive ejaculates with fsh- β gene polymorphism in holstein-friesian crossbred bulls from India	Haryana Vet.	(March, 2020), 59(SI), 38-40.	5.58
32	K Vijay, B Abhijit, S Tejas, J Sameer , K Pranav, P Pavan, R Mahesh	2020	Association of semen attributes with FSH- β gene polymorphism in Holstein-Friesian crossbred bulls from India.	Haryana Veterinarian	(2020), 59 (2), 231-235	5.58
33	AB Jadhao, SM Bhalerao, AV Khanvilkar, VR Patodkar, Jadhav S.N AY Doiphode	2020	Replacement of Maize with soybean hulls in concentrate mixture on nutrient digestibility and hemato biochemical parameters of growing goats	Haryana Vet	(June 2020), 135-136	5.58
34	Shiyamala S, Mote Chandrashekhar S , Jadhav S.	2020	Pathological investigation into outbreak of inclusion body hepatitis from poultry flocks.	Journal of entomology and zoology studies	(2020), 8 (3), 170-174	**
35	Shiyamala S, Mote Chandrashekhar S, Jadhav SN	2020	Pathological investigations and molecular characterization of infectious bursal disease virus from poultry farms of western Maharashtra of India.	Journal of entomology and Zoology studies	(2020), 8 (3), 601-605	**
36	Ranjan Mahadewaswami, Rahul Kolhe1, Chandrakant Bhong, Prashant Mhase, Sameer Jadhav , Vijaysinh Lonkar and Sujata Bhawe	2021	Characterization of pig and poultry origin Escherichia Coli for Beta Lactamase type antimicrobial resistance	Journal of Animal Research	(2021) Vol 11 no 4 page 619-625.	5.43

37	S M Nalband, R P Kolhe, P D Deshpande, S.N. Jadhav	2020	Characterization of Escherichia coli Isolated from Bovine Subclinical Mastitis for Virulence Genes, Phylogenetic Groups and ESBL Production.	Journal of Animal Research	(2020) B3883, 1265-1271	5.43
38	R Masand, A Jadhao, Jadhav S.N	2021	A review on mode of transmission of COVID 19	International journal of current microbiology and applied sciences	(2021), Vol 10, Num 02	**
39	A.V. Ghodake D M Muglikar U M Tumlam, S.N Jadhav and V.V. Limaye	2022	Plasmid profile and Antibiotic sensitivity pattern of porcine Escherichia Coli	International journal of current microbiology and applied sciences	,(2022), Vol 11 Num 02	**
40	Sameer N. Jadhav , Shashi Nayyar, J.S. Hundal ,J.S. Bedi and C. Singh	2022	In Vitro evaluation of Mucuna Pruriens seeds by nutritional and phytochemical analysis, assesment of antioxidant property and estimation of L DOPA content by RP HPLC	The pharma Innovation	(2022) SP-11(1) 289-294	5.23
41	RB Ambade, SH Dalvi, VD Dighe, AY Doiphode, BN Ramteke, SN Jadhav	2023	HSP70 Gene Expression Pattern in Peripheral Blood Mononuclear Cells during Different Seasons in Pandharpuri Buffaloes	Indian Journal of animal research	2023 1:5	6.43
42	Siddheshwar Tandale, Milind Meshram, Kavita Khillare, PrashantMhase, Chandrashekhar Mote and Sameer Jadhav	2023	Therapeutic management of contagious ecthyma in goat	The Pharma Innovation Journal	2023; 12(6): 919-924	5.23
43	Mahesh Kamble, Milind Meshram, Kavita Khillare, Uma Tumlam, Chandrashekhar Mote and Sameer Jadhav	2023	Prevalence and therapeutic management of chlamydiosis in goats	The Pharma Innovation Journal	2023; 12(6): 1060-1063	5.23
44	Late SS, Ambore BN, Swami SB, Pawar PD, Dhaygude VP and Jadhav	2023	Studies on haemato-biochemical	The Pharma Innovation Journal	2023; SP-12(11): 328-330	5.23

	SN		changes in ovine theileriosis			
45	Namrata S. Kathole, Vikas V. Karande, Babasaheb C. Ghumare, Chandrashekhar S. Mote, Vijaysinh D. Lonkar, Samir N. Jadhav , Pooja P. Bachapalle	2023	Evaluation of Antiangiogenic Potential of Ethanolic Extract of Bauhinia variegata Leaves in Mice	The Indian Journal of Veterinary Sciences and Biotechnology,	Volume 19 Issue 5 (September-October 2023) 70-73	5.58
46	Shubham Gawade, Sameer Jadhav , Gokul Sonawane, Uma Tumlam and Abhijit Barate	2023	Study on association of sirtuin 1 and 3 gene expression with metabolic profile of indigenous pigs and piglet	The Pharma Innovation Journal	2023; SP-12(9): 1851-1856	5.23
47	V V Nachare G.S Sonawane S.N. Jadhav A Y Doiphode T. C Shende R R Shelar V G Nimbalkar and S. S.M bhokare	2023	Oxidative stress and NRF2 gene expression in blood of indigenous pigs	Journal of Livestock Science	2277-6214) 15:111-119	4.93
48	M.D Ramteke ,P.P. Mhase,D.M. Mugalikar, R.P. Kolhe, S.N. Jadhav ,P.D.Pawar, L.D Singla	2024	Efficacy of green silver nanoparticles (GAbNPs) against multidrug resistance in staphylococcus aureus from mastitis-infected cows.	Indian Journal of Animal research	B-5207 1-9 2024	6.43
49	Shisodiya M.R., Lonkar V.D., Kadam A.S., Mote C.S., Jadhav S.N. , Kadam B.R.	2024	Effect of L- Glycine on carcass parameters, blood biochemical and jejunal histomorphometry of commercial broiler chicken	Uttar Pradesh Journal of zoology,	Vol 45,issue 13, 132-137,2024	4.21
50	Mayur R Shisodia, vijaysingh lonkar, Avinash M Kadam, Chandrashekhar M mote , Sameer N Jadhav	2024	Effect of L- Glycine on growth performance and economics of commercial broiler chicken	Indian Journal of Veterinary Science and biotechnology	Vol 20 (5) 2024, 9-14	5.58
51	VD lonkar , A S Kadam, S.N Jadhav, A .A Shrivastava, F. N. Chaoudhari,, N CDhore and M.R Shisodia	2024	Effect of Zinc mono glycinate and zinc Proteinate on production performance, antioxidant profile , metallothionein	Indian Journal of poultry science	2024, ,59 (1), 23-28	6.4

			gene expression and tibia bone parameters in commercial broiler chicken			
52	Aishvarya R.Jumnake, Vishwambhar R.Patodkar , Vikas M.Sardar, Prajwalini V.Mehere, Sameer N.Jadhav and Sachin S. Pawar	2024	Effect of Heat Stress on Physiological parameters in madgal sheep	Uttar Pradesh Journal of zoology,	Vol 45,issue 14, 164-169,2024	4.21
53	Mohite Aditya B C Ghumare Vikas Karande Kadam A S Uma Tumlam Mhase PP and Jadhav SN	2024	Exploration of immunomodulatory effect of Piper Longum against Newcastle disease virus in broiler chicken	International journal of veterinary sciences and Animal Husbandry	SP-9(4):12-16 2024	4.98
54	M Ranjan,Rahul kolhe, chandrakant bhong,sujata bhav, vijaysinh lonkar, Sameer Jadhav , prashant mhase	2024	Phenotypic and molecular characterization of escherichia coli isolated from food animals for antimicrobial resistance	Asian Journal of Dairy and Food Research, DR	2169 1-5, 2024	5.75
55	Sameer N Jadhav , Shashi Nayar, , M. Honparkhe, B.V Sunil Kumar, Mandeep Singla and V.R. Patodkar	2024	Effect of Seasonal Stress on growth performance ,blood hematobiochemical, antioxidant, thyroid hormones and HSP Gene expression Profile of beetal does and goat kids	Uttar Pradesh Journal of zoology,	Vol 45,issue 17, 143-155,2024	4.21
56	Snehal sudrik, Rahul Prakash Kolhe, Chandrakant bhong, Tejas Shende, Sameer Jadhav , Prashant Mhase, Vikas Waskar, Ganesh Hinge, Snehal Gadhav	2024	Detection of virulent and ESBL- resistant Salmonella species from cattle and associated farm environment	The Indian Journal of Animal Sciences		6.29
57	UM Tumlam, KM Borate, DM Mugalika, MS Pawde, Jadhav SN, C S Mote	2024	Molecular characterization of Porcine Group A rotavirus of VP6 gene by reverse transcriptase polymerase chain reaction	International journal of veterinary sciences and Animal Husbandry	SP-9(4):12-16 2024	4.98
58	M Ranjan Rahul kolhe C D Bhong, Sujata bhav V D	2024	Phenotypic and molecular characterization	Asian Journal of Dairy and food resear	10.18805/adfr.D R. 2169 1-5	5.75

	Lonkar Sameer Jadhav Prashant Mhase		of Escherichia coli isolated from food animal for antimicrobial resistance	ch		
59	Poonam ukurde, M, M Pawade, U M Tumlm,D.M. Mugalikar,,R.P Kolhe, S.N Jadhav and D Suryawanshi	2024	Molecular detection of antibiotic resistant genes and enumeration of Chlostridium perfirengens from enterotoxemia suspected cases of sheep	Haryana vet	63 (2),201-205	5.58
60	VR Patodkar ,S N. Jadhav,Mangesh Vaidya, Prajakta Kuralkar and Prashant Kaple	2025	Seasonal dynamics of magnesium levels in soil, fodder, feed and blood serum in satara district of maharashtra	International journal of advanced biochemistry research	2025;SP-9(2):325-328	
61	Snehal Sudrik, R.P Kolhe, Chandrakant Bhong, Tejas Shende, Sameer Jadhav, Prashant Mhase, Vikas Waskar, Ganesh Hinge, Snehal Gadhawe	2025	Detection of antibiotic-resistant, shigatoxic ESBL-type Escherichia coli in cattle farms of Maharashtra, India	Iranian Journal of Veterinary Research		7.20
62	Prasad, D, B.R. Kadam, Deepali T. Sakunde, V. S. Waskar, and S. N. Jadhav	202	Effect of Pearl Millet Flour on Quality of Chicken Patties	Journal of Advances in Biology & Biotechnology	28 (2):556-64.	

Sr. No .	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.	NAA S Rating , if any
1	PADOTKAR V.R. 1 , JADHAV S.N. 2 , BHONG C.D. 3 , BARATE A.K. 4 AND MEHERE P.V. 5	2018	SEASONAL VARIATION IN COPPER AND ZINC LEVELS OF SOIL, FEED, FODDER AND DAIRY ANIMALS IN PUNE DISTRICT OF MAHARASHTRA	International Journal of Agriculture Sciences	Volume 10, Issue 14, 2018, pp.-6765-6768.	

2	Tejas C Shende, Vipul, Dr. Abhijit K Barate and Aakash Doiphode	2020	Sequence characterization of partial TLR4 gene in Indian crossbred cattle	Journal of Entomology and Zoology Studies	8(1): 900-903	
3	VIJAY KADAM , ABHIJIT BARATE*, TEJAS SHENDE , SAMEER JADHAV, PRANAV KULKARNI, PAVAN 11 PAWAR, MAHESH RANGNEKAR and HEMANT BIRADE	2020	ASSOCIATION OF SEMEN ATTRIBUTES WITH FSH- β GENE POLYMORPHISM IN HOLSTEIN- FRIESIAN CROSSBRED BULLS FROM INDIA	Haryana Vet.	59(2), 231- 235	
4	Vivek V. Kuwar 1 *, Avinash S. Kadam 1 , Manik V. Dhumal 1 , Chandrashekhar S. Mote 2 , Uma M. Tumlam 3 , Abhijit K. Barate 4	2021	Effect of Reduction of Trace Minerals from Feed for Seven Days before Marketing the Broilers on their Performance	Ind J Vet Sci and Biotech		
5	VITTHAL DHAYGUDE 1*, ABHIJIT BARATE 1 , BHUPESH KAMDHI 1 , JAYANT SUKARE 1 , DIVYA SABHARWAL 1 , ASHISH BHAGWAT 1 , PRASHANT PAWAR 1 AND DUSHYANT MUGLIKAR 1	2022	Contagious agalactia in small ruminants from Maharashtra	Indian Journal of Animal Sciences	92 (5): 576– 579	
6	A.V. Bhosale, U.M. Tumlam,	2022	Detection of Canine Viral and	Indian Journal of	Volume 58 Issue 4: 666-670	

	M.M. Pawade, B.P. Kamdi, P.P. Mhase, A.K. Barate, D.M. Muglikar		Bacterial Agents Associated with Gastroenteritis by PCR and RT-PCR	Animal Research		
7	Bhupesh Kamdi 1, Abhijit Barate 2, Pankaj Kulurkar 3, Megha Kaore 1, Arun Bhandarkar 1, Rahul Singh 4, Nitin Kurkure 1	2023	Pathology and molecular characterization of chicken infectious anemia virus and in silico antigen prediction	Anim Biotechnol .	34(9):5160- 5167	

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1	डॉ अभिजित बाराते, डॉ तेजस शेंडे	19/4/2018	पोषक तत्वांनीयुक्त शेळीचे मटण	सकाळ अग्रोवन	१२
२	डॉ अभिजित बाराते, डॉ तेजस शेंडे	१९/७/२०१८	पोषक घात्कांनीयुक्त शेळीचे दुध	सकाळ अग्रोवन	१२
३	डॉ अभिजित बाराते, डॉ मिलिंद नांदे	जुलै २०२०	बाजारात उपलब्ध असणारे दुधाचे विविध प्रकार	पूर्वा कृशिटूत	३८
४	डॉ मिलिंद नांदे, डॉ यू एम तुमलाम, डॉ अभिजित बाराते,	डिसेंबर २०२०	शेळी पालवी लाभानिशी	पूर्वा कृशिटूत	४५-४८
५	डॉ अभिजित बाराते, डॉ मिलिंद नांदे, डॉ विजय कदम	नोव्हेंबर २०२१	जनावरांचे आरोग्य आणि कार्यक्षमतेसाठी जीवनसत्वे आवश्यक	पूर्वा कृशिटूत	५८
6	डॉ अभिजित बाराते, डॉ. एम एन रांगणेकर, डॉ. तेजस शेंडे	जुलै २०२२	पावसाळ्यात शेळ्यांची जपणूक गरजेची	पूर्वा कृशिटूत	४६-४८
7	डॉ. विजय कदम, डॉ अभिजित बाराते	जुलै २०२२	जनावरातील दुधातील फॅट वाढविण्यासाठी शास्त्रीय उपाय	पूर्वा कृशिटूत	४९-५१

6. Research Recommendations

Sr. No.	1
Year	Mafsu research recommendation 2016-17
Project Title	Association of sperm mitochondrial functional markers with semen quality traits in murrhah buffalo
Investigators	Dr.S.N Jadhav
Recommendations	Phenotypic quality of fresh & cryopreserved semen of Murrah buffalo is affected by alteration in mitochondrial functional markers viz increased production of reactive oxygen species by sperm mitochondria, increased lipid peroxidation of sperm membrane, poor antioxidant defence mechanism in spermatozoa and alteration in gene expression in mitochondrial respiratory genes controlling mitochondrial activity in buffalo spermatozoa .
Sr. No.	2
Year	Mafsu research recommendation 2018-19
Project Title	Study on mitochondrial cytochrome oxidase C III gene for diagnosis of acute and chronic babesia gibsoni infection in dogs
Investigators	Dr.S.N Jadhav
Recommendations	It is recommended that single step PCR with primer targeting mitochondrial cytochrome oxidase C III gene is recommended for quick specific and sensitive diagnosis of acute and chronic babesia gibsoni infection in dogs

7. MOU signed by the Colleges

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

8. Research Priorities / Thematic areas: Department Wise

9. Significant Research Achievement:

Sr. No.	Achievements	Description
1	Patents Awarded	
2	Breed Registration	
3	IPR	
4	Copyright	
5	Trademark	