

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	Animal Health information system through disease monitoring and surveillance	Dr.D.R.Kalor ey Dr.V.C.Ingle	NATP (MM)	19.80	Extramural	Completed	2000-04
2	Development of ELISA for detection of <i>L. monocytogenes</i> from milk.	Dr.D.R.Kalor ey Dr.V.C.Ingle	NATP (CGP)	14.09	Extramural	Completed	2002-05
3	Development of Standardized herbal product for bovine mastitis	Dr.D.R.Kalor ey	DBT Network	43.22	Extramural	Completed	2006 -11
4	<i>Epidemiological studies on classical swine fever in</i>	Dr.P.A.Temb hurne (Co-Principle Investigator)	DBT	105 /-	Extramural	Completed	2009-2013

	<i>central India & Goa.</i>						
5	Genetic Diversiy of <i>Listeria monocytogenes</i> with different virulence potential	Dr.Shubhangi Warke	DST	10.27200/-	Extramural	Completed	2010 - 2013
6	Virulence profiling of <i>Listeria monocytogenes</i> isolated from food-, veterinary and clinical sources	Dr.D.R.Kalor ey Dr.Shubhnagi Warke	ICMR (Indo Germ an)	10.00/-	Extramural	Completed	2011- 2013
7	<i>Deciphering role of miRNA in chicken embryonic developmenta l pathology and its evaluation as therapeutics in immune suppressed chicks.</i>	Dr.P.A.Temb hurne (PI & Coordinator)	DST	20 .00/-	Extramural	Completed	2012-15
8	Translational research on Molecular epidemiology of	Dr.D.R.Kalor ey		50.00/-	Extramural	Completed	2012- 2017

	<i>L.monocytogenes</i>	Dr.Shubhangi Warke	(DBT)				
9	DBT Network Project on Brucellosis	Dr.D.R.Kalor ey Dr.Shubhangi Warke Dr.P.A.Temb hurnde	DBT	1,14,699/-	Extramural	Completed	2012-2017
10	“Centre for Zoonosis ” under Niche Area of Excellence	Dr.P.A.Temb hurne (Co-Principle Investigator) Dr.V.C. Ingle (Co-investigator)	ICAR - ICMR ,	437.608/-	Extramural	Completed	2014-2019
11	Understanding the molecular basis of <i>peste-des-petits ruminants virus</i> (PPRV) mediated host immune modulation of the development of	Dr.P.A.Temb hurne (CCPI) Cooperating Centre Principle Investigator	NASF - ICAR, Govt. of India, New Delhi	49.12/-	Extramural	Completed	2017-2020

	next generation vaccines						
12	Molecular Surveillance and Cross Species Transmission of Rotaviruses from Animal and Human Origin from Maharashtra	Dr.P.A.Tembhurne (PI & Coordinator) Dr. V.C.Ingle (NVC, centre)	DBT	50.00/-	Extramural	Completed	2017-20
13	Establishment of community based animal husbandry practice in tribal villages of Gadchiroli district of Maharashtra State	P. A. Tembhurne (Co-PI)	ICAR -TSP	206.00	Extramural	Completed	2014-2017
14	Star College Scheme of DBT	Dr.Shubhangi Warke & Dr.P.A.Tembhurne	DBT	82.00 Lakhs	Extramural	Completed	2020-2022
15	Effect of Benzalkonium Chloride on Listeria biofilm (PI)	Dr.Shubhangi Warke	-	-	Intramural	ongoing	2022-2025

16	Development and optimization of DOT-ELISA / Lateral flow platform for detection of Bluetongue disease.	Dr.P.A Tembhrune and Dr. Sujeet Kumar Beloni	-	-	Intramural	ongoing	2022-2025
17	Antigenic typing and In Silico Analysis of <i>Canine parvovirus 2</i> based on VP2 gene.	Dr.Shubhangi Warke	-	-	Intramural	ongoing	2024-2027

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/On going)	Duration
1	Role of Growell as immuno modulator in IBD vaccinated Chicks	Dr.D.R.Kal orey	.Growell India Pvt.Ltd. Pune	18,950/-	Extramural Funding Agency	Completed	1997
2	Immuno modulatory effect of Growell during	Dr.D.R.Kal orey		26,880/-	Extramural Funding Agency	Completed	1997

	experimental Aflatoxicosis in chicks.						
3	Effect of herbomineral premix on fungal Growth & <i>in vitro</i> inhibition of aflatoxin B1 production.	Dr.D.R.Kal orey	DaburAyurved Ltd. Gaziabad -10	30,500/-	Extramural Funding Agency	Completed	1998
4	Effect of herbomineral toxin binder during experimental mycotoxicosis in broiler chicks.	Dr.D.R.Kal orey	DaburAyurved Ltd. Gaziabad -10	30,500/-	Extramural Funding Agency	Completed	2000
5	Efficacy of Toxin-binder against aflatoxicosis in broilers	Dr.D.R.Kal orey	.Kemin Nutritional Technologies,(India)	30,000/-	Extramural Funding Agency	Completed	2002
6	<i>In vivo</i> efficacy of herbal preparati	Dr.D.R.Kal orey		15,000/-	Extramural Funding Agency	Completed	2002

	on during simultaneous mycotoxicosis in Broilers		Gaziabad – 10				
7	.Evaluation of efficacy of mastilep during subclinical mastitis	Dr.D.R.Kal orey	Gaziabad	10,000/-	Extramural Funding Agency	Completed	2002
8	Evaluation of Brucella RB 51 vaccine under field condition	Dr.D.R.Kal orey	. M/s Intervet Pvt. Ltd., Pune	60,000/-	Extramural Funding Agency	Completed	2005
9	Evaluation of safety and efficacy of oil and gel	Dr.D.R.Kal orey	M/s Intervet Pvt. Ltd., Pune	25,000/-	Extramural Funding Agency	Completed	2007

	adjuvanted BOVILS (R) HSBQ vaccine in cattle under field condition .						
10	Evaluation of antibacterial and antifungal activity of antimicrobial product.	Dr.D.R.Kal orey	Bentoli Agri Nutrition Asia Pvt. Ltd	1,65,865/-	Extramural Funding Agency	Completed	2007
11	Antifungal and antimycotoxic activity of mold inhibitor	Dr.D.R.Kal orey	Bentoli Agri Nutrition Asia Pvt. Ltd	38,080/-	Extramural Funding Agency	Completed	2007
12	To study the safety & immunogenicity of <i>Brucella abortus</i> RB51, Vaccine in cattle	Dr.Shubhangi Warke (Co-PI)	IIL	48,750/-	Extramural	Completed	1 st to 31 st November, 2010

13	Evaluation of mastodon in bovine mastitis	Dr.Shubhan gi Warke (Co-PI)	Cattle Remedies India Ltd.	80,040/-	Extramural	Completed	January, 2012 to August ,2012
14	An open label multicentric clinical trial to study safety and immunogenicity of Tetanus toxoid vaccine in animals	Dr.Shubhan gi Warke (PI)	Indian Immunologicals	2.29200/-	Extramural	Completed	March 2019-
15	Clinical evaluation of indigenous medications against mastitis & tick infestation among farm animals	Dr.P.A.Tembhurne Co-PI	National Innovation Fund , Ahmedabad , Gujarat	8.47 lakhs	Extramural	Completed	2019-2021

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1	Molecular diagnostics & epidemiology of animal pathogens	Development of rapid and reliable alternative to conventional PCR for detection of various pathogens in clinical samples	To detect <i>pathogen</i> from the clinical samples employing Conventional PCR. To develop test for rapid and sensitive detection of <i>pathogen</i> from clinical samples. To study the comparison of the result with various test Sequencing and Phylogenetic analysis of field isolates.	Helpful for control Strategies
2	Antimicrobial Resistance of the Bacterial pathogen	India is a growing global economy with an increasing human population depending on the consumption of animal-origin products such as raw milk, meat and their products for	1.To study the prevalence of bacterial <i>pathogen</i> from bovine milk, chevon and poultry meat. 2.To amplify predominant antibiotic resistant genes from bacterial <i>pathogen</i> isolates by	The study will brought attention to the concerning prevalence of multidrug-resistant <i>of bacteria</i> in foods of animal origin in Nagpur. Assessing antibiotic susceptibility

		essential nutrients and overall good health. This situation leads to high demand for food of animal origin which further results in intensive animal production and processing of products, especially mass production, and movement of products globally. This period of time may give rise to faulty processing practices which increase the chances of contamination and spread of food-borne pathogens. The antibiotic-resistance genes present in these pathogenic organisms can be transmitted to humans through ingestion Hence, the increasing prevalence of enterotoxigenic	employing Polymerase Chain Reaction. 3.To sequence the representative amplicons of predominant antibiotic resistance genes and analyze the relation with global bacterial pathogen isolates using bioinformatics tools.	with help of rapid and reliable techniques is essential for determining the appropriate course of therapy
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		strains of <i>S. aureus</i> poses a risk for food poisoning in the consumers of animal-origin food products. The emerging antibiotic resistance in food products infected by bacteria is also a public health issue. Resistance genes in food items caused by bacteria in Nagpur region . It becomes necessary to develop enhanced, rapid and sensitive diagnostic assays.		
3	small RNA biology (miRNA), Host-pathogen interaction			

4. Thesis:

Master:

Name of Department : Veterinary Microbiology				
SN	Year	Title of thesis	Name of Student	Name of Guide
1	1996	Studies on mastitis in buffaloes.	K.R. Shrirame	Dr. D.R.Kalorey

2	1996	Studies on sub clinical mastitis in bovines with reference to staphylococcal mastitis.	S.S Bharadwaj	Dr.S.D.Harne
3	1997	Bacteriological studies on mastitis in goats (<i>Capri falconeri</i>).	P.P.Mhase	Dr.S.D.Harne
4	1997	Seroepizootological evaluation of brucellosis in domestic ruminants.	Satish Raju	Dr. N.N.Zade
5	1998	Role of Growell as immunomodulator in infectious bursal disease vaccinated chicks.	B.S.Borkar	Dr.S.D.Harne
6	1998	Immunomodulation by Growell during experimental aflatoxicosis in chicks.	Sanjay Godbole	Dr. D.R.Kalorey
7	1999	<i>In vitro</i> evaluation of antifungal and antitoxic activity of herbal extracts.	N.Shete	Dr.S.D.Harne
8	1999	Studies on prevalence of fungi in poultry feed with special reference to <i>Aspergillus</i> .	S.R.Gayakwad	Dr.S.D.Harne
9	2000	Studies on mycoflora in poultry environment.	Vijay Ramaunny	Dr. D.R.Kalorey
10	2000	Bacteriological and mycological investigations of otitis externa in dogs.	S.B. Bache	Dr.S.D.Harne
11	2001	Evaluation of herbal product during aflatoxicosis and ochratoxicosis in broilers.	Pramod Sakhare	Dr.S.D.Harne
12	2001	Studies on effect of aqueous herbal extract on growth of <i>Aspergillus ochraceus</i> , ochratoxin production and its neutralization.	Shubhangi Warke	Dr. D.R.Kalorey
13	2002	Evaluation of neutralizing activity of herbal extracts during simultaneous mycotoxicosis in broilers.	Mukta Pathak	Dr. D.R.Kalorey
14	2002	Studies on prevalence of brucellosis in bovines in vidarbha region.	G.W.Dalvi	Dr. V.C.Ingle
15	2003	Evaluation of Vit. E as an adjuvant in viral vaccines for chicks.	Jyoti Bodade	Dr. D.R.Kalorey
16	2003	In vitro antibacterial activity and antibiogram of lactobacilli.	Prajakta Lonkar	Dr.S.D.Harne
17	2004	Evaluation of protective role of <i>Lactobacillus acidophilus</i> during induced ochratoxicosis in broiler chicks.	Sheetal Taram	Dr. D.R.Kalorey
18	2004	Antibiogram and plasmid profile of mastitic <i>Staphylococcus aureus</i> .	Kapil Chousalkar	Dr. D.R.Kalorey
19	2005	Development of ELISA for detection of <i>Pasteurella multocida</i> in poultry.	Deepti K.Pillai	Dr. D.R.Kalorey
20	2005	Studies on <i>Listeria</i> spp isolated from fresh water fishes.	Pramod Jallewar	Dr. D.R.Kalorey

21	2005	Serosurveillance of Peste des petits ruminants (PPR) virus in goats in Nagpur district of Vidarbha region.	P. Sivakumar	Dr. V.C.Ingle
22	2006	Plasmid Profile of Coagulase Negative Staphylococci isolated from Bovine Sub clinical Mastitis.	Uma Tumlam	Dr.D.R.Kalorey
23	2006	Genotypic Characterization of <i>Listeria spp.</i> From raw Poultry meat employing Polymerase Chain Reaction.	P. S. Gunjal	Dr.D.R.Kalorey
24	2006	Development of Polymerase Chain Reaction for Detection of <i>Pasteurella multocida</i> from chicken.	S. Yuvaraj	Dr.D.R.Kalorey
25	2007	Detection of intercellular adhesions genes and biofilm production in coagulase positive <i>Staphylococci</i> recovered from bovine sub clinical mastitis.	Nirmala Dhanawade	Dr.D.R.Kalorey
26	2007	Characterization of coagulase negative <i>Staphylococci</i> recovered from bovine sub clinical mastitis with reference to intercellular adhesions genes employing polymerase chain reaction.	S.S.Vanjari	Dr.D.R.Kalorey
27	2008	Capsular typing of Staphylococcus aureus from bovine mastitis	Anshuja Nagdive	Dr.D.R.Kalorey
28	2008	Detection of biofilm marker <i>icaA</i> gene in <i>Staphylococcus aureus</i>	Somnath Chavhan	Dr.D.R.Kalorey
29	2009	Molecular Characterization of <i>Listeria monocytogenes</i> of Human & Animal origin	Asmita Sonegaonkar	Dr.D.R.Kalorey
30	2009	Detection and molecular characterization of bovine and porcine rotaviruses from Nagpur region.	Milan B. Jadhav	Dr.V.C. Ingle
31	2010	Construction of metagenomic library of microbial flora from fecal sample of Bison (<i>Bos gaurus</i>)	Anita date	Dr.D.R.Kalorey
32	2010	Immunogenicity of Brucella abortus RB51 vaccine in cattle	Sonali H. Kamble	Dr.D.R.Kalorey
33	2012	Detection of sheep and goat pox viruses by Polymerase chain reaction.	Anand Kadam	Dr. V.C.Ingle
34	2012	Molecular profile of <i>Listeria monocytogenes</i> isolated from various sources	Neha Shrikhande	Dr.D.R.Kalorey
35	2013	Molecular Characterization of <i>Listeria monocytogenes</i> from reproductive disorders in ruminants.	Makarand Dixit	Dr.D.R.Kalorey
36	2014	Molecular characterization of <i>Infectious bursal disease virus</i> (IBDV) isolates	Swati Hajare	Dr. V.C.Ingle

37	2014	Role of CD200 and TGFβ2 gene in immunosuppressed chicks in response to miRNA-142-3p therapy	Shabanm Kumari	Dr.P.A.Tembhurne
38	2015	Characterization of bacterial pathogens associated with respiratory infections in small ruminants	Sharmita Doley	Dr. V.C.Ingle
39	2015	Development of dried sample spot polymerase chain reaction (DOS-PCR) for detection of PPR virus	Mohan Pundlik	Dr.P.A.Tembhurne
40.	2016	Isolation and Molecular Characterization of <i>Peste Des Petits Ruminants Virus</i>	Hanwant S.Thete	Dr V.C.Ingle
41.	2018	Nucleocapsid gene based molecular characterization of <i>peste des petits ruminants virus</i>	Priyanka B.Pharande	Dr P.A.Tembhurne
42.	2018	Molecular characterization of bovine Rota Viruses from Amravati region of Maharashtra	Manoj J.Ade	Dr V.C.Ingle
43.	2018	Molecular characterization of Canine parvovirus - 2 infection in and around Nagpur	Payal R.Dorlikar	Dr S.R. Warke
44	2019	Molecular Characterization of <i>Canine parvovirus</i> by Multiplex PCR and phylogenetic analysis of VP2 gene from clinical cases	Sunny A. Magar	Dr S.R. Warke
45	2019	Molecular detection of causative agents associated with Diarrhea in calves	Sruthy S.	Dr.U.M.Tumlam
46	2021	Detection of <i>Canine parvovirus</i> by Nested Polymerase Chain Reaction	Monali Khadse	Dr S.R. Warke
47	2021	Standerdization of a SYBER GREEN based real Time PCR assay (qPCR) for detection of <i>Canine Parvo Virus</i> in Faecal Samples of Dogs	Sreelaxmi Nair	Dr S.R. Warke
48	2021	Nonstructural gene based Molecular Characterization of Blue tongue virus	Dipali Gharat	Dr .P.A.Tembhurne
49	2022	Detection of <i>Canine parvovirus</i> in fecal samples of dogs by using Loop mediated isothermal amplification (LAMP)	Vrushali Dhas	Dr S.R. Warke
50	2023	Molecular Characterization of <i>Rota viruses</i> from Canine,Porcine and Human	Viraj Kaul	Dr S.R. Warke
51	2024	Molecular Characterization and Phylogenetic analysis of Enterotoxigenic <i>Staphylococcus aureus</i> strains isolated from foods of Animal origin in Nagpur	Sujata Bhatkar	Dr S.R. Warke
52	2024	Molecular Characterization of <i>Sheep pox virus</i> from Nagpur region.	Gayatri Chavan	Dr.P.A. Tembhurne

Doctoral:

Name of Department:		
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Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr.V.C.Ingle	Studies on experimental aflatoxicosis and ochratoxicosis in chicks and their amelioration.	2008	Dr.S.D.Hrane
2	Dr. S.R.Warke	Genotypic and phenotypic characterization of <i>Listeria monocytogenes</i> from bovine and their environment	2018	Dr.V.C.Ingle
3	Dr. U.M.Tumlam	Molecular Characterization of <i>Rota viruses</i> from different species	2018	Dr.V.C.Ingle
4	Dr. S.P.Awandkar	Development of truncated Infectious Bursal Disease Virus VP2 protein based diagnostic antigen and its efficacy as candidate immunogen	2019	Dr.P.A.Tembhurne
5	Dr.A.S.Kadam	Studies on Molecular profiling of Bovine rotaviruses	2020	Dr.P.A.Tembhurne

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6. Research Papers Published:

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.	NAA S Rating, if any
1.	Kalorey, D. R., Purohit, J. H. and Dholakia, P. M	1983	Studies on incidence of subclinical mastitis its etiology and <i>in vitro</i> sensitivity of isolates	Indian Journal of Animal Science	53:961-963.	6.20
2.	Kalorey, D. R. and Dholakia, P. M.	1984	Comparison of cytological methods, single radial immunodiffusion test and cultural isolation for the detection of subclinical mastitis	Indian Journal of Animal Science	54:934-939.	6.20
3.	Harne, S. D., Kalorey, D. R. and Zade, N. N.	1990	Isolation and antibiogram of staphylococci from bovine mastitis	Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases	2: 195-197.	6.0
4.	Dakshinkar, N. P., Kalorey,	1992	<i>In vitro</i> sensitivity pattern of	The Indian Veterinary Journal	69: 1075-1076.	4.99

	D. R., Ganorkar, A. G. and Harne, S. D.		bacterial isolates from cases of canine otitis			
5.	Kalorey, D. R., Kolte, R. M., Dhoot, V. M. Dakshink ar, N. P. and Harne, S. D.	1993	Non antibiotic treatment for subclini cal mastitis in cows	Indian Journal of Veterinary Medicine	13: 24	4.26
6.	Dakshink ar, N. P., Kalorey, D. R., Ganorkar, A. G., Gore, A. K. and Harne, S. D.	1994	Observati ons on pyometra in rabbits	Indian Journal of Veterinary Medicine	18: 273- 274	4.26
7.	Dakshink ar, N. P., Dhakate, M. S., Pathak, V. P., Kalorey, D. R. Marudwa r, S. S. and Patil S. N	1994	Clinico- pathologi cal condition s of female genital tract in canines- A survey 79 cases	Journal of Veterinary and Animal Sciences	25 : 53- 55	4.50
8.	Kalorey, D R.,	1994	Suppurati ve	Mahavet	20	

	Ganorkar, A. G. and Harne, S. D.		nephro-uteritis in sambar (<i>Cervous unicolor</i>)			
9.	Mangle, N. S. and Kalorey, D. R.	1994	Analysis of association among different components of blood profile in Sahiwal & jersey x Sahiwal animals	Mahavet	4	
10.	Burle, P. M., Mangle, N. S., Kothekar, M. D. and Kalorey, D. R.	1995	Blood biochemical profile during various reproductive status of Sahiwal and jersey x sahiwal cattle	Livestock Advisor	13-20	
11.	Sarode, D. B.; Dakshinkar, N. P.; Kalorey, D. R.	1995	Gangrenous mastitis in cow	Indian Journal of Veterinary Medicine	15 : 111	4.26

12.	Kolte, R. M., Bisen, V. V., Kalorey, D. R. and Harne, S. D.	1996	Chloroform extract of roots of <i>Trichosanthes cucumerina</i> Linn as antibacterial against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i>	Indian Journal of Veterinary Research	5 : 35-38	
13.	Kalorey, D. R., Daginawala, H. F., Ganorkar, A. G. and Mangle, N. S.	1996	Serum zinc and iron status in experimental aflatoxicosis in chicks	Indian Journal of Veterinary Research	5: 28-32	
14.	Kalorey, D. R., Ganorkar, A. G., Daginawala, H. F. and Harne, S. D.	1997	Immuno modulatory effect of levamisole during experimental aflatoxicosis in chicken	Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases	18: 68-71	4.49

15.	Shrirame, K. R., Kalorey, D. R. and Harne, S. D.	1997	Studies on subclinical mastitis in buffaloes: Prevalence, etiology and antibiogram of the isolates	Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases	18 : 87-89	4.49
16.	Shrirame, K. R., Kalorey, D. R. and Harne, S. D.	1997	Comparative efficacy of screening tests for subclinical mastitis in buffaloes	Indian Journal of Veterinary Research	6 : 39-47	
17.	Kalorey, D. R., Ganorkar, A. G., Daginawala, H. F. and Harne, S. D.	1998	Effect of aflatoxin on phagocytosis in chicken	Indian Journal of Veterinary Research	7: 13-17	
18.	Dhote, S. W., Kurkure, N. V., Kalorey, D. R. and Ganvir, P. T.	1999	Etiology and sensitivity of bacterial isolates from subclinical mastitis	The Indian Veterinary Journal	76: 251-252	4.99

			from eastern Vidarbha			
19.	Wargatiwar, U. W., Shrikhande, G. B., Sarode, D. B. and Kalorey, D.R	1999	Immuno-stimulatory effect of Levamisole in cow calves	INTAS POLIVET	1:42-43	
20.	Mulkawar, D.B., Parkhi, C.P., Mangle, N S., Kalorey, D.R. and Pathak, V.P.	1999	Effect of udder health on pH, lactose and citric acid levels in sheep milk	The Indian Veterinary Journal	76: 1088-1090	4.99
21.	Patil, A.A., Kalorey, D.R., Ingle, V.C., Kurkure, N.V. and Bharmabe, D.T.	1999	Prevalence of subclinical mastitis in buffaloes from Kolhapur district of Maharashtra	Dairy Guide	59-64	
22.	Kalorey, D.R., Ingle, V.C. and Kurkure, N.V.	2000	Seroprevalence of brucellosis in livestock and humans in	Indian Journal of Animal Science	70: 149-150	6.40

			Vidarbha region			
23.	Kalorey, D.R., Ingle, V.C., Vijay, R., Bache, S.R., Kurkure, N.V., Ganorkar, A.G., Banubakode, S.B. and Harne, S.D.	2000	A preliminary study of faecal microflora in captive spotted deer (<i>Axis-axis</i>).	<u>Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases</u>	21: 160-161.	4.49
24.	Kurkure, N.V., Kognole, S.M., Pawar, S.P., Ganorkar, A.G., Ingle, V.C. and Kalorey, D.R.	2000	Effect of Royal Jelly as immunomodulator in chicks	Journal of Immunology and Immunopathology	2: 84-87	3.83
25.	Charjan, P.Y., Mangle, N.S., Kalorey, D.R. and Kuralkar, S.V.	2000	Changes in milk pH and levels of Na and K in the whey associated with udder	The Indian Veterinary Journal	77 : 1066-1068.	4.99

			status in cows			
26.	Dakshink ar, N.P., Kalorey, D.R., Gode, C.K., Harne, S.D. and Sarode, D.B	2000	<i>In-vitro</i> evaluatio n of bacteriost atic action of herbal drugs	The Indian Veterinary Journal	77 : 443	4.99
27.	Bhojne, G.R. Dakshink ar, N. P., Kalorey, D.R. and Warke, S.R.	2000	Gangreno us Mastitis in Goats	INTAS POLIVET	1: 262	
28.	Kurkure, N.V., Pawar, S.P., Kognole, S.M., Bhandark ar, A.G., Ganorkar, A.G. and Kalorey, D.R.	2000	Ameliorat ive effect of turmeric (<i>Curcuma longa</i>) in induced aflatoxico sis in cockrels	Indian Journal of Veterinary Pathology	24 : 26- 28	4.97
29.	Kalorey, D. R.	2000	Diagnosti cs for Mastitis	Round Table Conference on Mastitis	1 : 57- 61	
30.	Godbole, S.M., Kalorey, D.R.,	2001	Effect of Growell during induced	<u>Indian Journal of Comparative Microbiology, Immunology</u>	22: 183- 185	6.0

	Ingle, V.C., Kurkure, N.V., Ganorkar, A.G. and Harne, S.D.		aflatoxicosis in chicks: Growth and hematological studies	<u>and Infectious Diseases</u>		
31.	Dakshinkar, N. P., Kalorey, D. R., Harne, S. D. Bhojne, G. R. and Sarode, D. B.	2001	Bacteriological investigation of canine colostrums	The Indian Veterinary Journal	78: 172- 173	4.99
32.	Kalorey, D.R., Kurkure, N.V., Nighot, N.K., Patil, M.P. and Pathak, V.P.	2001	Effect of subclinical mastitis on milk of cross-bred Sahiwal x Jersey cows: A biochemical study	Asian Australian Journal of Animal Science	14: 382- 383	6.0
33.	Kalorey, D. R., Kurkure, N.V., Sakhare, P.S., Warke, Shubhangi and Ali, Murtaza	2001	Effect of Growell on performance, organ weight and serum trace element profile of broilers	Asian Australian Journal of Animal Science	14: 677- 679	6.0

34.	Mulkalwar, D.B., Parkhi, C.P., Mangle, N.S., Kalorey, D.R. and Kothekar, M.D.	2001	Effect of udder health on total whey protein, immunoglobulin and chloride sheep milk	The Indian Veterinary Journal	7: 29	4.99
35.	Gaikwad, S.R., Harne, S.D., Kalorey, D. R. and Ingle, V. C.	2001	Prevalence of toxigenic fungi in poultry feed of Nagpur region	<u>Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases</u>	22 : 78-80	6.0
36.	Kurkure, N.V., Walse, S.H., Sharma, D. W., Richaria Mukti, Ganorkar, A.G., Bhandarkar, A. G. and Kalorey, D.R.	2001	Effect of Royal jelly on coccidiosis in poultry : Biochemical and Immunopathological Study	Journal of Immunology and Immunopathology	3 : 70-73	3.83
37.	Kalorey, D.R.	2001	Future Prospects for Mastitis Control	Round Table Conference on Mastitis	2 : 81-86	

38.	Kurkure, N. V., Pawar, S. P., Kognole, S. M., Ganorkar, A. G., Bhandarkar, A. G. and Kalorey, D. R.	2001	Prevention of aflatoxin - induced toxicity by turmeric in cockerels : Haematology and biochemical study	Indian Journal of Veterinary Research	10 : 35-40	
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138.	P. Manesh kumar, P.A. Tembhur ne, P. Raja and V.C. Ingle	2017	Decipheri ng the role of gga-mir- 142-3p on target gene cd200 and its contributi on towards signal transducti on and immune response	Applied Biological Research	19 (2): 132- 137	4.93
139.	Pannersel vam M. Kumar1 *,	2017	Knockdo wn of gga-miR- 142-3p in	Veterinary Archive	87 (1): 67-76	

	Prabhakar A. Tembhurne ² , Paramasivam Raja ¹ , Vijay C. Ingle ² , and Devanand R. Kalorey		developin g chicken embryo: expressio n profile of XPO1			6.30
140.	Paramasivam, R., Tembhurne, P., Pannerselvam, M., Ingle, V., Kurkure, N., & Kalorey, D.	2017	Evaluatio n of function of RICTOR gene in gga-mir- 142- 3p knock downed developin g chicken embryo	Indian Journal Of Animal Research	51(5): 807- 812	6.09
141.	Amol S.Kinhekar, V.C.Ingle and P.A. Tembhurne	2017	PCR based P32 gene is a confirmat ory diagnostic technique for sheep and goat pox virus	Ruminant Science	16(1): 75-78	4.45
142.	Sharmita Doley, V. C.Ingle and	2017	Aerobic Bacterial Isolates from Respirato	Intas Polivet	18(1): 1-3	

	U.M.Tumlam		ry Tract and their Antibio gram in Small Ruminant s			
143.	Warke, S. R., Ingle, V. C., Kurkure, N. V., Tembhurne, P. A., Prasad, M., Chaudhari, S. P., & Barbuddhe, S. B.	2017	Biofilm Formation and Associated Genes in <i>Listeria Monocytogenes</i>	Indian Journal of Veterinary Sciences and Biotechnology	12(3): 7-12	5.25
144.	Shubhangi Warke, Sumedha Bobade, D. R. Kalorey and V. C. Ingle	2017	Inflammation as activated molecular platform for engagement of innate immune defenses	International Journal of Current Microbiology and Applied Science	6(6): 1194-1200	5.38
145.	Sharmita Doley, V. C. Ingle, P. A. Tembhurne, S. R. Warke, Prasanna P. and	2017	Molecular characterization of <i>Staphylococcus</i> spp. isolated from respiratory tract of	Indian Journal of Animal Research	52(6): 907-910	6.50

	Nekibudd in A.		apparentl y healthy and clinically sick sheep and goat in Nagpur, India			
146.	Shubhang i Warke, Sumedha Bobade and Vijay Ingle	2017	Isolation and molecular characteri zation of ETEC and NTEC Escherich ia coli from cattle farm with reference to virulence marker gene	International Journal of Livestock Research	1	5.36
147.	Trivenee Thakre, Shubhang i warke, Sumedha Bobade and Kalorey D.R.	2017	Character ization of <i>E coli</i> pathotype s of bovine and livestock farm environm ent origin	Indian Journal of Anim. Res.	51 (6) 1125- 1129.	6.50
148.	Tumlam, U. M., Ingle, V.	2018	Detection of VP6 gene of	Indian Journal of Veterinary	13(4): 12-16	5.25

	C., Tembhur ne, P. A., Kurkure, N. V., Chaudhar i, S. P., Chitamba r, S. D., & Bhoyar, S.		Rotavirus in Feces of Diarrhoei c calves, kids, lambs, piglets, pups and human infants by Reverse Transcript ase– Polymera se Chain Reaction	Sciences and Biotechnology		
149.	Awandka r, S. P., Tembhur ne, P. A., Kesharkar , J. A., Kurkure, N. V., Chaudhar i, S. P., Bonde, S. W., & Ingle, V. C.	2018	Identificat ion and characteri zation of a novel infectious bursal disease virus from outbreaks in Maharash tra Province of India	Veterinary World	11(10), 1516	7.70
150.	MR Wade, SJ Manwar, SV Kuralkar, SP Waghmar e, VC Ingle and	2018	Effect of thyme essential oil on performa nce of broiler chicken	Journal of Entomology and Zoology Studies	6(3): 25-28	5.53

	SW Hajare					
151.	Shubhang i Warke, Sumedha Bobade,T embhurne , P.A. and Ingle V.C.	2019	Paleovirology: Blessing or Curse of Ancient Viruses.	Agricultural Review.	40 (4) 329- 333.	4.37
152.	UM Tumlam, VC Ingle, PA Tembhur ne, NV Kurkure and SP Chaudhar i	2019	Detection of rotavirus associated with diarrhea in bovine calves by RNA- PAGE and RT- PCR	Journal of Entomology and Zoology Studies.	7(4): 961- 964	5.53
153.	A.S. Kadam, P.A. Tembhur ne and V.C. Ingle	2019	Bacterial Profiling from the Bovine Calves' Diarrhea and its Antibiotic Sensitivit y Pattern Around Chandrap ur District in Maharash tra	International Journal of Science, Environment and Technology	7(6): 2025	4.17
154.	V. S. Tatte, M. Jadhav,	2019	Molecular characteri zation of	Acta Virologica	63(1):1 03-110	

	V. C. Ingle, V. Gopalkrishna		group A rotavirus (RVA) strains detected in bovine and porcine species: Circulation of unusual rotavirus strains. A study from western, India			7.70
155.	UM Tumlam, VC Ingle, Dhruv Desai, SR Warke	2019	Molecular characterization and phylogenetic analysis of rotavirus of human infants, calves and piglets	Journal of Entomology and Zoology Studies	7(4): 956-960	5.53
156.	PR Dorlikar, SR Warke, UM Tumlam, VC Ingle	2019	Isolation and identification of canine parvovirus infection from around	Journal of Entomology and Zoology Studies	7: 216-219	5.53

			Nagpur region			
157.	SR Warke, VC Ingle, UM Tumlam	2019	Isolation and molecular characteri zation of Listeria monocyto genes in bovine and their environm ent	Journal of Entomology and Zoology Studies	7(6): 339- 348	5.53
158.	PR Dorlikar, SR Warke, UM Tumlam, VC Ingle	2019	Comparat ive Efficacy of Canine Parvoviru s-2 Infection Diagnosti c Tests Commonl y Prevailing in India	Indian Journal of Veterinary Sciences and Biotechnology	14(4): 49-50	5.25
159.	SR Thorat, BD Rawool, PM Sonkusale , SR Warke, SP Choudhar i, NV Kurkure	2019	Virulence Profiling of Listeria monocyto genes Isolated from Different Sources	Int. J. Curr. Microbiol. App. Sci	8(5): 2010- 2017	5.3

160.	S Sruthy, U Tumlam, S Warke, V Ingle, G Bhojane, M Hedau	2019	VP6 gene based RT-PCR for detection of rotavirus associated with diarrhea in bovine calves	Journal of Entomology and Zoology Studies	7: 373-376	5.53
161.	A. S. Kadam , P. A. Tembhurne* , S. W. Bonde , S. P. Chaudhary , N. V. Kurkure and V. C. Ingle	2019	Molecular Detection of Group A Rotaviruses from the Bhandara and Chandrapur District of Maharashtra State, India	Int. J. Curr. Microbiol. App. Sci	8(9): 2555-2564	5.38
162.	Pragati Bhojar, Prabhakar Tembhurne* , Ruchi Bhate, Prashant Tarale, Anuradha Nemade Anand Kadam,	2019	Molecular Detection of Peste des-petits Ruminant Virus (PPRV) by RT-PCR	Int. J. Curr. Microbiol. App. Sci	8(11): 2594-2601	5.38

	Jivan Kesharkar and V.C. Ingle					
163.	M.J. Ade, V.C. Ingle, P.A. Tembhurne , U.M. Tumlam, A.S. Kadam, G.R. Bhojne, and P.M. Sonkusale	2019	Incidence and Molecular Characterization of Rotaviruses of Cattle and Buffalo Calves in Amravati Region	Indian Vet. Sci. Biotech	Vol. 14 No. 320	
164.	SA Magar, SR Warke, UM Tumlam, GR Bhojne, VC Ingle	2020	Molecular typing of Canine parvovirus-2 occurring in Nagpur by multiplex PCR	Journal of Entomology and Zoology Studies	8(1): 91-95	5.53
165.	Kaul , Viraj., Shubhangi Warke & Tumlam Uma	2020	Anti-microbial peptides: new weapon against bacteria	International Journal of Current Microbiology and Applied Science	9(6):2313-2319	5.38

166.	Preeti P. Bramhapurkar, Prabhakar A.Tembhurne , S. Chandra Sekar, D. Muthucheven, Sharvan Sehwat, Prashant Tarale, Vijay.C. Ingle and Rajeev Kaul.	2020	Circulating MicroRNA-21-3p: A potential Biomarker for Peste-des-petits ruminants virus in naturally infected goats	Int. J. Curr. Microbiol. App. Sci	9(8): 341-351	
167.	Khadse Monali and Shubhangi Warke	2021	Mud Power : How bacteria can turn Waste in to Electricity.wjahr	SJIF	5 (2) XX-XX	5.46
168.	Sreelaxshmi nair & Shubhnagi Warke	2021	Radioactive Fungi : A New Horizon of Fungi world	Journal of Advance Healthcare Research wjahr.SJIF	5(6): 232-235	5.46
169.	Sipra Panda, Ruchi Bhate, Anuradha Nemade, Sneha	2021	Pathological and molecular investigation of Peste des Petits	Indian J. Vet. Pathol	1, 45(1) : 66-68	

	Thorat, Mayuri Chelkar, Monali Bhagwan, P. M. Sonkusale , P.A. Tembhur ne and N.V. Kurkure		Rumi- nants outbreak in goats of Nagpur district, India			
170.	Sharma Y, Sarkar R, Jain A, Singh S, Shekhar C, Shanmug am C, Dhanavel u M, Tembhur ne P , Kaul R, Sehrawat SA 11	2021	Mouse Model of PPRV Infection for Elucidatin g Protective and Pathologi cal Roles of Immune Cells	Front Immunol.	12: 630307	11.09
171.	Shubhnag i Warke	2022	Recent advances for Cancer & Infectious Disease Diagnosti c : Sequenci ng	Wjahr SJIF	6(2) 53- 58.	5.46
172.	Shubhang i warke	2022	CRISPR - based tools : Alternativ e methods	The Pharma Innovation	11(9): 1891- 1896	5.23

			for diagnosis of diseases			
173.	Vrushali Dhas and Shubhang i Warke.	2022	Synthetic biology : Applicati on in disease diagnosis	The Pharma Innovation	11(12): 119- 123	5.23
174.	S.M. Kolangat h, S.V. Upadhye, V.M. Dhoot, M.D. Pawshe, A.S. Shalini, P.A. Tembhur ne , S.W. Kolte 6.44	2022	Molecular Evidence of Hepatozo on felis Infection in Wild Captured Royal Bengal Tiger Cub (Panthera tigris tigris)	Indian Journal of Animal Research	B-4674 :1-6	
175.	Tingase, Shivani & Thorat, Milind & Raulkar, Ratnakar & Hatzade, Ravindra kumar & Salve, Prashant & Choudhur y, Ashutosh	2022	Comparat ive Efficacy of Chitosan Jelly and Chlorhexi dine Mouth Wash for Periodont al Diseases in Dog	Acta Scientific Veterinary Sciences	6: 96- 101	

	& Warke, Shubhang i.					
176.	Shubhang i Rambhau Warke	2022	Molecular Character ization of L. monocyto genes Isolated From Milk and Milk Products	Indian Journal of Veterinary Sciences and Biotechnology	18(3): 108- 111	5.25
177.	Khadse M.B., Warke Shubhang i and Kolangat h, Sujit	2023	Molecular detection and Phylogen etic analysis of Canine parvoviru s -2 in dogs	The Indian J. of Vety. Science & Biotechnology	19 (2) 54-57	5.58
178.	Warke, Shubhang i., Ingle, Vijay and Kurkure, Nitin.	2023	PFGE analysis of Listeria monocyto genes isolates from milk, bovine clinical and bovine environm ent origin	Indian Journal of Veterinary Sciences and Biotechnology	19: 78- 82	5.25

			from Nagpur			
179.	Sonkusale , Prashant., Warke, Shubhang i and S, Chaitanya .	2023	Pathologi cal Studies and Molecular Detection of Salmonell osis in Desi Chickens of Nagpur Region	International Journal of Research and Review	10: 523- 527	Non- Naas
180.	Warke, Shubhang i and Bobade, Sumedha.	2023	Serotypin g, RAPD PCR, Antibiotic Susceptib ility Profiling of Listeria spp. Isolated from Raw Chicken Meat	International Journal of Research and Review	10: 528- 537	Non- Naas
181.	Warke, Shubhang i., Sonkusale , Prashant and Bobade, Sumedha.	2023	Prevalenc e Study of Biofilm Marker ica D Gene among Coagulas e Positive	International Journal of Current Science Research and Review	06	6.78

			Staphylococcus of Mastitic Origin			
182.	Shubhangi R Warke and Sumedha S Bobade	2023	Phenotypic and Molecular Characterization of Listeria Spp. from Raw Chicken Meat.	Indian Journal of Veterinary Sciences and Biotechnology	19	5.25
183.	Sonkusale ,P.M. Warke ,S.R. Chaitanya ,S. and Sukirti Sharma, Kamble M.V. and Khati B.M.	2023	Pathology and Molecular detection of Avian Colibacillosis in Commercial Chickens of Nagpur Region	International Journal of Current Science Research and Review	6 (5) 2937-2940	6.78
184.	SR Badhe, KS Rathod, SP Chaudhari, AP Dhok, SR Warke, Anupama Kumar	2023	Paneer preservation puzzle: Unraveling the link between microbial spoilage and chemical clues in	The Pharma Innovation Journal 2023	12(10): 991-996	5.23

	and BL Mundhe		refrigerated storage			
185.	Shubhangi Warke, Gayatri Chavan, Mehak Tikoo and Sujata Bhatkar	2023	Molecular identification of Malassezia pachydermatis isolated from dermatitis cases in dogs	The Pharma Innovation Journal	12 (11): 2142-2144	5.23
186.	Payghan PS, Bhojne GR, Dhoot VM, Panchbhai CG, Kolte SW, Tembhurne PA and Shrideeksha 5.23	2023	Therapeutic management and Haemato-biochemical alterations in diarrhoeic dogs affected with ancylostomosis	The Pharma Innovation Journal	12(5): 4669-4672	5.23
187.	Aniket Thakare, Prabhakar A Tembhurne , Jivan Kesharakar, Deepali Gharat, Gayatri Chavan	2023	Expression of bluetongue virus rVP7 protein in prokaryotic expression system and evaluation	The Pharma Innovation Journal	12(11): 2250-2256	5.23

	and Sudhakar Awa		n of crude lysate for Dot- ELISA			
188.	Juhi Jain, Yash Chaudhar y, Sharad Kumar Gaur, Prabhak ar Tembhur ne , Shanmug am Chandra Sekar, Muthuche lvan Dhanavel u, Sharvan Sehrawat and Raj	2023	Peste des petits ruminants virus non- structural V and C proteins interact with the NF-κB p65 subunit and modulate pro- inflammat ory cytokine gene induction	Journal of General Virology	Volume 104 , Issue 10	11.14
189.	Chaudhar y, Y.; Jain, J.; Gaur, S.K.; Tembhur ne, P.; Chandras ekar, S.; Dhanavel u, M.; Sehrawat, S.;	2023	Nucleoca psid Protein (N) of <i>Peste des petits ruminants</i> Virus (PPRV) Interacts with Cellular Phosphati dylinosito l-3- Kinase (PI3K)	Viruses	15,180 5	11.82

			Complex-I and Induces Autophagy.			
190.	Viraj Koul, SR Warke, UM Tumlam, Mehak Tikoo, SS Bobade	2024	<u>Molecular characterization and phylogenetic relationship of VP6 gene of rotavirus among canine, porcine and human infants</u>	Indian Journal of Animal Research	58(8): 1352-1357	6.50
191.	Sudhakar Awandkar, Prabhakar A. Tembhurne , Nitin V. Kurkure, Sandeep P. Chaudhari, Sachin W. Bonde & Vijay C. Ingle 6.60	2024	Effect of silver nanoparticles on antibody response against recombinant VP2 protein of Infectious bursal disease virus;	Indian Journal of Experimental Biology	Vol. 62, January 2024 , pp. 7-16	
192.	Shubhangi Warke and	2024	Molecular Characterisation of E. coli	Indian Journal of Veterinary Sciences and Biotechnology	20(1)	5.25

	Sunny Magar		Isolated from Faecal Samples of Pups Affected with Canine Paroviral Enteritis			
193.	Sujata Gajanan Bhatkar, Shubhangi Rambhau Warke*, Mehak Ramesh Tikoo	2024	Molecular Characterization and Phylogenetic Profiling of Methicillin-Resistant Staphylococcus aureus from Poultry Meat in Nagpur	Indian Journal of Veterinary Sciences and Biotechnology	20(6): 94-99.	5.25
194.	SR Badhe, KS Rathod, SP Chaudhari, AP Dhok, SR Warke, Anupama Kumar, BL	2024	Assessment of paneer quality during refrigerated storage	International Journal of Agriculture Extension and Social Development	7 (2) 93-99	5.04

	Mundhe and DV Patil					
195.	SR Badhe, KS Rathod, SP Chaudhari, AP Dhok, SR Warke, Anupama Kumar, BL Mundhe	2024	Chemical -based smart label to communicate real-time freshness of packed paneer	Food Research International	Accepted	14.10
196.	Shubhangi R. Warke, Monali B. Khadse, Mehak Tikoo and Sujata G. Bhatkar	2024	Contentment of Diagnostic assay for detection of Canine Parvovirus and determination of bacterial Co-infection in Diarrhoeic Pups.	Indian Journal of Canine Practice.	16(1) 95-100	2.70
197.	Shreelakshmi Nair , Shubhangi Warke , Sujith Kolangath and	2024	Comparative efficacy of conventional PCR and SYBR	ARCC	Accepted	6.40

	Vandana Gupta		green-based qPCR assay for detection of <i>Canine parvovirus</i> -2 in diarrheic pups from Nagpur			
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List of Research Publications:

List of published gene sequences:

1. Kalorey, D. R; Kurkure, N.V., Barbuddhe, S.B., Warke, S.R., and Mouyra (2006). *Listeria monocytogenes* Act A- like (act A) gene, partial sequence. DQ 364455
2. Kalorey, D. R; Jallewar, P.S., Kurkure, N.V., Pande, V.V. and Mouyra, D.T. (2006). *Listeria monocytogenes* Act A- like (act A) gene, partial sequence. DQ 371966
3. Kalorey, D. R; Jallewar, P.S., Kurkure, N.V., Pande, V.V. and Barbuddhe,S.B (2006). *Listeria monocytogenes* Hly A- like (hly A)gene, partial sequence. DQ 371967
4. Kalorey, D. R; Rawool, D.B., Malik, S.V., Kurkure, N.V., Warke, S.R. and Barbuddhe,S.B. (2006). *Listeria monocytogenes* Hly A- like (hly A) gene, partial sequence. DQ 369974
5. Barbuddhe,S.B. Kalorey, D. R; Kurkure, N.V. and Mouyra, D.T. (2006). *Listeria monocytogenes* Act A- like (act A) gene, partial sequence. DQ 369975
6. Kurkure, N.V., Kalorey, D.R., Pande, V.V., Barbuddhe,S.B. and Patel,M.J. (2006). *Listeria monocytogenes* (hlyA) gene, partial cds. DQ988349
7. Kurkure, N.V., Kalorey, D.R., Pande, V.V., Barbuddhe,S.B. and Patel,M.J. (2006). *Listeria monocytogenes* Act A- like (act A) gene, complete cds. DQ988350
8. Nagdive,A.A., Kalorey,D.R., Chavhan,S.K., Barbhuddhe,S.B. and Kurkure,N.V. (2008). *Staphylococcus aureus subsp. aureus* strain Pn833 Cap8-like gene, partial sequence. FJ004993
9. Nagdive,A.A., Kalorey,D.R., Chavhan,S.K., Barbhuddhe,S.B. and Kurkure,N.V. (2008). *Staphylococcus aureus subsp. aureus* strain Pn1058 Cap5-like gene, partial sequence. FJ004992
10. Chavhan,S.K., Kalorey,D.R., Nagdive,A.A., Barbhuddhe,S.B., Purohit,H. and Kurkure,N.V. (2008). *Staphylococcus aureus subsp. aureus* strain Pn2301 IcaA-like gene, partial sequence. FJ004990

11. Chavhan,S.K., Kalorey,D.R., Nagdive,A.A., Barbhuddhe,S.B., Purohit,H. and Kurkure,N.V. (2008). *Staphylococcus aureus subsp. aureus* strain Pn945 IcaA-like gene, partial sequence. FJ004991

12. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: dape491. LC063559.1

13. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* Bg1 gene for beta glucosidase, partial cds, strain: bg1491. LC063558.1

14. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, strain: abc491. LC063557.1

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17. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* Bg1 gene for beta glucosidase, partial cds, strain: bg1175. LC063554.1

18. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain: dat491. LC063555.1

19. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: dape175. LC063551.1

20. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain: dat175. LC063552.1

21. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, strain: abc175. LC063550.1

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25. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain: dat172. LC063546.1
26. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* Bg1 gene for beta glucosidase, partial cds, strain: bg1172. LC063545.1
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28. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: 87dape. LC063543.1
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31. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain:87dat ACCESSION No. LC063540.1
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33. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, strain: 485ldh ACCESSION No. LC063539.1
34. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: 485dape ACCESSION No. LC063537.1
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strain: 479ldh ACCESSION No. LC063534.1

37. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, strain: 485abc ACCESSION No. LC063535.1

38. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain:479dat ACCESSION No. LC063533.1

39. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, strain: 479bgl ACCESSION No. LC063531.1

40. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: 479dape ACCESSION No. LC063532.1

41. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, strain: 479abc ACCESSION No. LC063530.1

42. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, strain: dat161 ACCESSION No. LC063528.1

43. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015). *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, strain:161ldh. ACCESSION No. LC063529.1

44. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dapE gene for Succinyl diaminopimealate aminotransferase, partial cds, strain: 161dape ACCESSION No. LC063527.1

45. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, strain: 161bgl ACCESSION No. LC063526.1

46. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, strain: 479abc ACCESSION No. LC063525.1

47. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dape gene for succinyl-diaminopimelate aminotransferase, partial cds, clone: 563 ACCESSION No. LC063161.1

48. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, clone: 563 ACCESSION No. LC063160.1

49. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, clone: 563 ACCESSION No. LC063159.1
50. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, clone: 43V ACCESSION No. LC063157.1
51. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, clone: 563 ACCESSION No. LC063158.1
52. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, clone: 43V ACCESSION No. LC063156.1
53. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dape gene for succinyl-diaminopimelate aminotransferase, partial cds, clone: 43V ACCESSION No. LC063155.1
54. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, clone: 43V ACCESSION No. LC063153.1
55. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dape gene for succinyl-diaminopimelate aminotransferase, partial cds, clone: milk10 ACCESSION No. LC063152.1
56. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, clone: milk7 ACCESSION No. LC063149.1
57. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, clone: milk8 ACCESSION No. LC063150.1
58. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, clone: milk9 ACCESSION No. LC063151.1
59. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ABC Z gene for ABC transporter, partial cds, clone: milk6 ACCESSION No. LC063148.
60. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* dat gene for D-amino acid aminotransferase, partial cds, clone: milk5 ACCESSION No. LC063147.1
60. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* ldh gene for lactate dehydrogenase, partial cds, clone: milk4 ACCESSION No. LC063146.1

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62. Bobade, S.S., Kalorey, D.R., Warke, S.R., Kurkure, N.V. and Barbuddhe, S.B. (2015) *Listeria monocytogenes* Bgl gene for beta glucosidase, partial cds, clone: milk3 ACCESSION No. LC063145.1
63. Dorlikar, P. and Warke, S. R. (2018) *Canine parvovirus* CPV37 VP2 gene, partial sequence ACCESSION No. LC404128.1
62. Khadse, M. and Warke, S.R. (2021) *Canine parvovirus* 2b BESANAGPUR DNA, similar to capsid protein ACCESSION No. LC646118.1
- 63.
64. Khadse, M. and Warke, S.R. (2021) *Canine parvovirus* 2b Gaddigodam NAGPUR DNA, similar to capsid protein ACCESSION No. LC646119.1
- 65.
66. Nair, S.B., Warke, S.R. and Kolangath, S.M. (2022) *Canine protoparvovirus* strain 2c capsid protein VP2 gene ACCESSION No. OM100572.1
66. Warke, S.R., Dhas, V. and Kolangath, S.M. (2023) *Canine parvovirus* 2b isolate NVC Nagpur capsid protein VP2 ACCESSION No. OQ594804.1
67. Warke, S.R., Dhas, V. and Kolangath, S.M. (2023) *Canine parvovirus* 2c isolate NVC Nagpur capsid protein VP2 ACCESSION No. OQ594805.1
69. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain G24 thermonuclear (nuc) gene, partial sequence ACCESSION No. PP983042.1
68. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain M11 thermonuclear (nuc) gene, partial sequence ACCESSION No. PP983043.1
69. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain G8 tetK gene, partial sequence ACCESSION No. PP983044.1
72. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain P10 tetK gene, partial sequence ACCESSION No. PP983045.1
70. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain M11 tetK gene, partial sequence ACCESSION No. PP983046.1
- 71.
74. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain P27 Sequence ACCESSION No. PP971639.1
75. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain G29 Sequence ACCESSION No. PP971640.1
76. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain M3 Sequence ACCESSION No. PP971641.1
77. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain M5 Sequence ACCESSION No. PP971642.1

78. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain P5 Sequence ACCESSION No. PP971643.1
79. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain G26 Sequence ACCESSION No. PP971644.1
80. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain P27 Sequence ACCESSION No. PP971645.1
81. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain G11 Sequence ACCESSION No. PP471506.1
82. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain P4 Genomic Sequence ACCESSION No. PP471507.1
83. Bhatkar, S.G. and Warke, S. R. (2024) *Staphylococcus aureus* strain M5 Genomic Sequence ACCESSION No. PP471508.1
84. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-WA-72-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836018.1
85. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-MO-84-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836019.1
86. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-KH-22-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836020.1
87. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-PI-29-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836021.1
88. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-SO-86-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836022.1
89. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-KD-79-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836023.1
90. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-U-57-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836024.1
91. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-KA-35-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836025.1
92. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-MT-02-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836026.1
93. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-GO-19-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836027.1

94. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-BA-06-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836028.1

95. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-KO-55-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836029.1

96. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-UM-67-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836030.1

97. Tikoo,M. and Warke,S.R. (2024) Fowl *aviadenovirus* D FAdV-NC-48-NAGPUR-2023 DNA, similar to hexon protein ACCESSION No. LC836031.1

98. Tikoo,M. and Warke,S.R. (2024) *Fowl aviadenovirus* E FAdV-BE-43-NAGPUR-2023 gene for hexon protein, partial cds ACCESSION No. LC836

6.List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1	Shubhangi Warke & Kalorey ,D.R.	2000-2001	Alternate therapeutic approach in Mastitis	SmrutiRath	-
2	Shubhangi Warke	2004	Ochratoxicosis and its control in Poultry	Pashudhan	(19) Issue 05
3	Shubhangi Warke and Kalorey D.R.	2003-2004	Recent advance in diagnosis of Poultry diseases	SmrutiRath	-
4	Tembhurne P.T., Kalorey ,D.R., Shubhangi Warke , Pawde Mrunalini and Ingle V.C..	2010	Artificial insemination in Cattle & buffaloes		
5	Mrunali Kamble and Shubhangi	2010	Azola :	Krushikonnati	23-29

	Warke .		janaw aransa thi upauk ta Khad dha		
6	Shubhangi Warke and Kalorey D.R..	2010	Sthanadhaha mukta kaas paishachi rass	Tarun kissan	
7	Shubhangi Warke, Kalorey D.R. and Mrunali Kamble .	2010	Gramin mahilansathi pashuvayvasay	Krushikonatti	31
8	Shubhangi Warke and Kalorey,D.R.	2010	Bachatgaut Stri samikshikarnachi gurukilli	Tarun Kissan	
9	Shubhangi Warke and Kalorey,D.R.		Pashu ani Manushamadhil ghatak rog : Rabies	Tarun Kisan	
10	Shubhangi Warke	2010	Kukutpalan aik utkrushta joddhandda	Krushikonatti	
11	Shubhangi Warke	2011	Kombdanmadhhe Burshimule honari vishbada	Unnat Pashupalan	54-55
12	Shubhangi Warke	2011	Januk upchar	SmrutiRath	
13	Shubhangi Warke and Vijay Ingale	2015	Shelanche aarogya aani vyavasthapan	Krushikonati	
14	Shubhangi Warke	2015	Aadhik tapmanat janavaranchi kalji	Krushikonati	
15	Sumedha bobade, Shubhangi Warke and Kurkure N.V.	2015	Manaviya Brucellosis-Praniganya rog	Krushikonati	
16	Sumedha bobade and Shubhangi Warke	2015	Pranijanya rog pratibandh va niyantran	Krushikonati	
17	Shubhangi Warke and	2015	Pranijannya rog Rabies va tavaril upay	Krushikonati	

	Sumedha Bobade				
18	Tembhurne P.A., Warke S.R., Awandkar S.P., Tumlam U.M., Kesharkar J.A. and Ingale V.C..	2016	Collection of Clinical samples for laboratory diagnosis of infectious diseases	Technical refresher training manual -2016	
19	Tumlam U.M ,Tembhurne P.A., Warke S.R., Awandkar S.P, Kesharkar J.A. and Ingale V.C..	2016	Detection of subclinical Mastitis in dairy cows	Technical refresher training manual -2016	
20	Sumedha bobade and Shubhangi Warke	2016	Janavarana vachava sansarggajanya Leptospirosis rogapasun	Krushikonati	
21	Sumedha bobade and Shubhangi Warke	2016	Listeriosis Pranjanya rog	Krushikonati	
22	Shubhangi Warke and Sumedha bobade	2016	Godya anatil Matsyavavest apan va sawardhan	Krushikonati	
23	Shubhangi Warke and Pratik Ingle	2016	Lasikaran, gothatil swachetemule taltil sansarggajannya aajar	Agrowon	
24	Sumedha bobade and Shubhangi Warke	2016	Anuvanshikta sudharnasathi brun prataropan tantradhan	Agrowon	
25	Shubhangi Warke and Pratik Ingle	2016	Rogachha lakshananusar karavat upayyोजना	Agrowon	
26	S.P.Awandkar, P.A Tembhurne, U.A .Tumlam, S.R. Warke and V.C.Ingle	2016	Anujivshashtra vibhagaantargat upalabdha aslela rog nidanacha suvidha	Smarnika Pashuncha Vima : Vipanan Vavyasthapan	
27	Shubhangi Warke and	2016	Dubhatta janavaratil tivra sommya kasdhaha	Agrowon	

	Sumedha bobade				
28	Shubhangi Warke and Sumedha bobade	2016	Kasdhaha aajaracha nidanasathi CMT chachani	Agrowon	
29	Shubhangi Warke	2016	Dugdhha Vyavsayasathi fayedeshir yojana	Agrowon	
30	Sudhakar Awandkar, Uma Tumlam, Prabhakar Tembhurne, Shubhangi Warke and Vijay Ingle	2016	Shelanmadhil kasdhahache prakar va pratibhandh . “Vavsayik shelipalan” shelipalkancha rajyastariya melava aani karyashala	Smarnika	
31	Shubhangi Warke and Sumedha bobade	2016	Pratibandhanamak upayani kami hohil kombdatil martuk	Agrowon	
32	Sumedha bobade and Shubhangi Warke	2016	Rokha kombdatil vishanujanya aajar	Agrowon	
33	Shubhangi Warke and Sumedha bobade	2016	Vayanusar have kombdyatil lasikaranache niyojan	Agrowon	
34	Sumedha bobade and Shubhangi Warke	2017	listeriosis dushit annagrahanatun prasarit honara pranijannya rog	Krushibhushan Masik.Jan	
35	Shubhangi Warke and Sumedha bobade	2017	Ajarapasun vachva nirogi janavaranna	Agrowan	
36	Shubhangi Warke and Sumedha bobade	2017	Lasikarnamule kami hote aajarache praman	Agrowon	
37	Shubhangi Warke and Sumedha Bobade	2018	Brucelosis, Vibriosis rogavar theva niyantran	Agrowan	
38	Shubhangi warke, Uma	2018	Dugddavavsayadar e mahila bachat	navinnapurn shashvatt pashupalan paddatimadhun	

	Tumlam and V.C.Ingle		gatache balkatikan	shetkaranche duppat utppan	
39	Shubhangi Warke and Sumedha Bobade	2018	Vasarnmadhil sansargajanay Atisar	Agrowan	
40	Shubhangi Warke and Sumedha Bobade	2018	Poshanmulancha kamteartemule komdanmadhe distat Aajar	Agrowan	
41	Shubhangi Warke	2019	Janawaratil lasikarnache Mahatva	Agrowan	
42	Shubhangi Warke	2020	Kombdancha yogga vaivathapanakade dha laksha	Agrowan	
43	Shubhangi Warke	2020	Kombdatil burshijanya aajaravar theva niyantran	Agrowan	
44	Shubhangi Warke	2020	Komdanmaddhe rogpratibandhak las tochanyache velaptrak	Baliraja	
45	Shubhangi Warke	2020	Komdanmaddhe jivanunmule honare aajar	Baliraja	
46	Shubhangi Warke	2020	Komdanmaddhe jivanunmule honare aajar	Baliraja	
47	Shubhangi Warke	2021	lalakhurkat rogache niyantran kase karave	Baliraja	34
48	Shubhangi Warke	2021	Lumpy : janavaratil vishanujanya charma rog	Baliraja	40
49	Dr.Shubhnagi Warke	2022	Shelamendhamadh il ajaravar upay	Agrowon	
50	Dr.Shubhangi Warke	2022	Shashtrokttar padhatine Swacha Dudh Utpadanache Niyogen	Godwa Sheticha Masik	73-77
51	Dr.Shubhangi Warke	2022	Shelanccha Arogya sambandhi ghyavachi kalji	Godwa Sheticha Masik	76-77

52	Dr.Shubhangi Warke & Mrunali Kamble	2022	Pavsalat Janavarana honare rog va pratibandhak upayayojana	Godwa Sheticha Masik	79-83
53	Dr.Mrunali Kamble , Sandeep Akhre and Dr.Shubhangi Warke	2022	Pavsalat janvarana adhalnara vividh jakhma lakshane wa tyavaril upchar	Godwa Sheticha Masik	72
54	Dr.Mrunali Kamble , Sandeep Akhre, Jeevan Chahande, Shubhangi Warke & Chetan Lakade	2022	Shelipalanat aadhalnare ajar wa tyavaril gharghuti upchar	shashtrokttar shelipalanatun udhjokta vikas prashikshan mahiti Pustika	
55	Dr.Mrunali Kamble , Sandeep Akhre, Jeevan Chahande, Shubhangi Warke & Chetan Lakade	2022	Shelanche Prathomachar	shashtrokttar shelipalanatun udhjokta vikas prashikshan mahiti Pustika	
56	Dr.Mrunali Kamble , Sandeep Akhre, Jeevan Chahande, Shubhangi Warke & Chetan Lakade	2022	Shelicha dudhache mahatta wa fiyede	Shashtrokttar shelipalanatun udhjokta vikas prashikshan mahiti Pustika	
57.	□□□□□ □□□□□, □□□□□□ □□□□□ , □□□□□ □□□□□ , □□□□□□□ □□□□□□□□ □□, □□□□□□ □□□□□□	2022	□□□□□□ □□□□□□ : □□□□□□□□ □□□□□□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□□ □□□ □□□□□□□□ □□□ □□□□□□□□□□ □□□□	□□□□□□	□□□□ □ ,□□ □□□□ □ □□□□, □□□ □□□ □□□□ □□- □□
58.	□□ □□□□□□□ □□□□□□□	2023	□□□□□□□□□ □□□□□□ □□□□□□□□□	□□□□□□□□□□□ □□□□□□□□□ □□□□□□□□□	□□-□□

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60.	Shubhnagi Warke and Mrunali Kamble	2023	Shelanna honare samanya aajar va pratibandhak upay	Godwa	65
61.	Shubhnagi Warke and Mrunali Kamble	2023	Pratijaivik pratikarata	Godwa	82
62.	Shubhnagi Warke	2023	Shelanna honare jivannujanya va pashusankramit rog , pratibandhak upay.	Vaivasaik pashupalan prashikshan Mahiti Pustika	
63.	Shubhnagi Warke	2023	Shelanna honare jivannujanya va pashusankramit rog , pratibandhak upay	Shelipalan prashikshan karakram , for pashusakhi . organized by Depratment of Extension	
64.	Shubhnagi Warke	2023	Shelanna honare jivannujanya va pashusankramit rog , pratibandhak upay	Shelipalan prashikshan karakram , for pashusakhi, organized by Krushividnan kendra , Dud bardi	
65.	Shubhnagi Warke	2024	Gai Mhashitil Mahatvache sansarjajanya aajar va tyache nidan	Five days Training Manual of Shashtrokta dudh vaisai prashikshan	
66.	Shubhangi Warke	2024	Shellanna honare pranijanya rog va pratibandhak upay .		
67.	Shubhangi Warke	2024	Pavsalat janavarannmadhe honara fara ajar	Godwa Sheticha	

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7. Research Recommendations:

Sr. No.	21: NVC/Nagpur /Microbiology/02/2015-16
Year	2015-16
Project Title	Development of Dried Sample Spot-PCR for Detection of PPRV
Investigators	Dr. M.A.Pundlik and Dr. P.A.Tembhurne
Recommendations	Ink-free news paper or filter paper of around 1.5 cm diameter spotted with nasal recreation of affected animal was found suitable for diagnosis of Peste-des-Petitis Ruminants by RT-PCR.

Sr. No.	15
Year	2016-17
Project Title	Molecular Epidemiology of Peste-des-petits ruminants virus in and around Nagpur
Investigators	Narayan R and Dr. P.A.Tembhurne.
Recommendations	The present study recommends that for detection of PPRV in field samples by RT-PCR techniques targeting both M and N genes should employed

Sr. No.	22
Year	2018-2019
Project Title	Genotypic and Phenotypic characterization of <i>Listeria monocytogenes</i> from bovine and their environment
Investigators	Dr.Shubhangi Warke & Dr.V.C.Ingle
Recommendations	The disinfectant Didocyl diamethyl ammonium chloride (DAC), found to be most effective against the <i>L. monocytogenes</i> , lower that the recommended concentration

Sr. No.	23
Year	2018-19
Project Title	Genetic analysis of <i>Panthera pardus</i> and <i>Panthera tigris</i> by tDNA
Investigators	Dr. Pooja Acharya , Dr. P.A.Tembhurne.Dr.V.C.Ingle ,Dr. V. M. Dhoot , Dr. G.R.Bhojane
Recommendations	It is recommended that PCR techniques is useful for amplification of cytochrome-b gene of tiger & leopard and its sequencing from scat sample of feces for its differential identification of feline species.

Sr. No.	8
Year	2019-20
Project Title	Development of truncated <i>Infectious Bursal Disease virus</i> VP2 protein based diagnostic antigen and its efficacy as candidate immunogen .
Investigators	S.P.Awandkar , P.A.Tembhurne, V.C.Ingle, N.V.Kurkure, S.W.Bonde and S.P.Choudhary
Recommendations	1. It is recommended to use silver nanoparticle adjuvanted infectious bursal disease virus recombinant VP2 protein for inducing significant immune response in chicken. 2. That the infectious bursal disease virus recombinant marker VP2 immunogen is suitable for differentiating infected verses vaccinated chickens 3. The infectious bursal disease virus recombinant marker VP2protein based dot blot assays is a suitable rapid DIVA test for differentiating infected chicken from vaccinated with marker vaccine

Sr. No.	09
Year	2019-2020
Project Title	Molecular Characterization of Canine parvovirus by Multiplex PCR and Phylogenetic analysis of VP2 gene from clinical cases
Investigators	S. Magar &Dr.Shubhangi Warke

Recommendations	It is recommendation to use multiplex PCR using VP2 gene to detect antigenic types of <i>Canine parvovirus</i> (CPV) from faecal swab of Canines
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Sr. No.	10
Year	2019-20
Project Title	Understanding the molecular basis of peste-des petits ruminants virus (PPRV) mediated host immune modulation for the development of next generation vaccine .
Investigators	P.A.Tembhurne
Recommendations	1. It is recommended that screening of battery of miR-34, miR-193, MiR-346 miR-486 and MiR-211 and ILR18 and ISG 20 genes are suitable for differentiation of PPR infected verses vaccinated.

Sr. No.	6
Year	2021-22
Project Title	Studies on molecular profiling of bovine rotaviruses.
Investigators	Dr.A.S.Kadam,Dr. P.A.Tembhurne, Dr.N.V.Kurkure, Dr. S.P.Choudhary and Dr. V.C.Ingle
Recommendations	It is recommended that the sequence based genotyping should be performed to confirm the rotavirus genotypes which are untenable by PCR

Sr. No.	07
Year	2023- 2024
Project Title	Detection of <i>Canine parvovirus</i> in faecal samples of dogs by using loop mediated isothermal amplification (LAMP)
Investigators	Vrushali Dhas & Dr.Shubhangi Warke

Recommendations	The standardized LAMP assay is recommended to use for the direct detection of <i>Canine parvovirus</i> in fecal samples.
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8. Research Priorities / Thematic areas: Department Wise

1. Molecular diagnostics & epidemiology of important animal pathogens
2. Antimicrobial drug Resistance of the Bacterial pathogen
3. Insilico analysis of the pathogen for vaccine candidate
4. Development of diagnostics for infectious diseases of livestock
5. Development of vaccine and their modification studies to enhance protection against pathogens.
6. Immunity & immune response to pathogens
7. Virus-host interaction
8. Small RNA biology.