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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 (Fund ing agenc y)/ Intra-mural	Status (Comple ted/Ongoi ng)	Duration
1.	Establishment of microbial standards for meat and meat products	PI : Dr. A.T. Sherikar	Indian Council of Agricultural Research (ICAR), New Delhi	11.43	Extra mural	Completed	March 1990 To March 1994
2.	Meat Speciation and Species Identification	PI : Dr. A.T. Sherikar	Indian Council of Agricultural Research (ICAR), New Delhi	16.71	Extra mural	Completed	July 1992 To September 1995
3.	Packaging of Meat, Meat products and poultry (A collaborative project with Indian Institute of Pacakging	Co-PI: Dr. A.T. Sherikar	Ministry of Food Processing Industries, Govt. of India, New Delhi	--	Extra mural	Completed	January 1992 To 31 December 1996
4.	Improvement in Shelf-life and Microbiological Quality of Meat by carcass washing and chemical Decontamination	PI : Dr. A.T. Sherikar Co-PI: Dr. A.M. Paturkar	Indian Council of Agricultural Research (ICAR), New Delhi	18.54	Extra mural	Completed	1 December 1996 To 30 November 2000
5.	Effect of Irradiation alone and in	PI : Dr. A.T. Sherikar	Ministry of Food Processing	34.37	Extra mural	Completed	1 October 1996 To



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	combination with chemical sanitizers on microflora for improvement of Meat Quality for export promotion	Co-PI: Dr. A.M. Paturkar	Industries, Govt. of India, New Delhi				September 1999
6.	Quality Assurance and Monitoring of Foods from Livestock and Poultry	Co-PI: Dr. R. J. Zende Co-PI: Dr. V. S. Waskar, Dr. V. M. Vaidya.	World Bank funded NATP (MM mode)	209.00	Extra mural	Completed	1 st November, 1999 to 31 st December, 2003
7.	Establishment of Western Region Referral Laboratory for Meat and Meat Products Quality standards	PI: Dr. A.M. Paturkar Co-PI: Dr. R. J. Zende, Dr. V. S. Waskar	World Bank funded NATP (ToE mode)	285.00	Extra mural	Completed	1.03.2003 to 31.12.2004
8.	Detection of Pesticide Residues in Animal Products	PI: Dr. V. S. Waskar Co-PI: Dr. R. J. Zende	Ad-hoc ICAR	23.55	Extra mural	Completed	1.11.2005 to 31.10.2008
9.	Outreach Program on Zoonotic Diseases	PI: Dr. V.M. Vaidya Co-PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi	116.60	Extra mural	Completed	2010-2021
10.	Modified Atmospheric Packaging of Meat & Meat Products for Export	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya,	Collaborative project sponsored by APEDA/ IIP	18.26	Extra mural	Completed	2013 to 2014
11.	Assessment of Harvest and Post Harvest losses of Major crops and commodities in	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya,	Ministry of Foods processing Industries, New Delhi	13.40	Extra mural	Completed	1.11.2012 to 21.11.2014



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	India (ICAR-MoFPI Project)						
12.	Centre of Excellence for Advanced Research on Animal Food Safety	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya, Dr. S. D. Ingole, Dr. R. S. Gandage, Dr. G. P. Bharkad, Dr. R. V. Gaikwad, Dr. P. V. Meshram, Dr. V. H. Shukla, Dr. S. A. Ingle, Dr. B. N. Ramteke	World Bank funded ICAR-NAHEP-CAAST	1805.00	Extra mural	Completed	2020-2023
13.	All India Co-ordinated Research Project on Post-Harvest Engineering and Technology (AICRP on PHET)	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya, Dr. V. H. Shukla	Indian Council of Agricultural Research (ICAR), New Delhi	923.88	Extra mural	Ongoing	Since 2009
	Sub-projects under AICRP on PHET						
14.	Quality evaluation of shelf stable fermented pork Sausages (Modified salt and fat content)	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi			Completed	



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15.	Adoptive trials and popularization/ commercialization of Model Retail outlet for Production of Hygienic Chicken Meat	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	2013 to 2023
16.	Detection of food borne pathogens by LAMP (Loop Mediated Isothermal amplification) technology	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
17.	Development and standardization of protocol for extraction of Chondroitin sulphate from cartilage of Buffalo	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
18.	Development and standardization of a process protocol for Extraction of collagen pig	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
19.	Development and Establishment of Model Retail Outlet for Hygienic Sheep/Goat Meat Production	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
20.	Development of Low-cost process protocol for Preparation of chicken liver powder and chicken liver chews	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	



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21.	Clinical Evaluation of Porcine skin graft for treatment of open wound in dogs	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
22.	Use of Electron beam processing for shelf-life extension of meat and meat products	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
23.	Surveillance and detection of meat for antimicrobial residues and its resistance to common food pathogens.	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
24.	Comparative evaluation of CIPHET developed formulations against ectoparasite of animals.	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
25.	Studies on extraction and novel product development of Neat's Foot Oil from buffalo hooves	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	
26.	Studies on quality improvement of preblended mutton kheema with antioxidant vitamins	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi		Completed	



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27.	Lateral flow assay to Lateral Flow Assay based rapid detection of food-borne pathogens in foods of animal-origin	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi			Ongoing	Since 2023
28.	Preparation of Pet Food from Slaughter House Waste and Spent Hen Meat	PI: Dr. R. J. Zende	Indian Council of Agricultural Research (ICAR), New Delhi			Ongoing	Since 2023
29.	Monitoring of Pesticide Residues at National Level (MPRNL)	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya	Indian Council of Agricultural Research (ICAR), New Delhi	463.69	Extra mural	Ongoing	Since 2006
30.	Estimates of Risk and Assessment of the burden of Zoonotic TB in India	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya, Dr. R. R. Pharande	Indian Council of Agricultural Research (ICAR), New Delhi	48.80	Extra mural	Ongoing	2024-2026
31.	All India Network Programme (AINP) on One Health Approach to Zoonotic Diseases	PI: Dr. V. M. Vaidya Co-PI: Dr. R. J. Zende Dr. J.G. Gudewar	Indian Council of Agricultural Research (ICAR), New Delhi	13.55	Extra mural	Ongoing	2024-2026
32.	Strengthening the capability for obtaining NABL Certificate under NABL-FSSAI Integrated mode	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya	Food Safety and Standards Authority of India (FSSAI), New Delhi	5.00	Extra mural	Ongoing	2025 onwards



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33.	Development of Residue Monitoring Plan and Updating Red Meat Manual for Buffalo Meat Export	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya	Agricultural and Processed Food Products Export Development Authority (APEDA), New Delhi - 110 016, India	13.57	Extra mural	Ongoing	2025 onwards

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)	Status (Completed/Ongoing)	Duration
1.	Microbial Risk Assessment and shelf-life evaluation of table eggs with respect food borne Salmonellosis	PI: Dr. R. J. Zende, Co-PI: Dr. V. M. Vaidya,	Vista Processed Foods Pvt Ltd, Taloja, Dist. Raigad	3.74	Extra mural	Completed	2008-2011
2.	Evaluation of Shelf-life and microbial safety of sanitized eggs				Extra mural		
3	Assessment of microbial and Physico-Chemical quality of Meat at ambient and	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya,	Indo-Emu Products, Mashavi, Gadhav wadi Road, Mashavi, Devgad,	1.30	Extra mural	Completed	2011-2012



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	Refrigeratio n storage		Distt. Raigad				
4	Studies on keeping quality of hard-boiled eggs packed under MAP and stored at refrigeration temperature	PI: Dr. R. J. Zende Co-PI: Dr. V. M. Vaidya,	Vista Processe d Foods Pvt Ltd, Taloja, Dist. Raigad	2.78	Extra mural	Complete d	2012-2014

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1	Food Safety	Screening of meat and milk samples	To study the foods of animal origin (meat, mik, eggs)	-
2	Zoonoses	To study the important zoonotic diseases	To study the occurrence diseases like Tuberculosis, leptospirosis, cysticercosis, etc. and their economic losses	Disease outbreak will be minimized and economic losses will be reduced
3	Post Harvest Engineering and Technology	Development of process, techniques and technologies for reducing post harvest losses	To develop process, techniques and technologies for reducing post harvest losses	Reduction of slaughterhouse waste and its conversion into products with economic benefits



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4	Chemical Residue analysis	To study the antibiotic, heavy metals and pesticide residues in animal origin foods.	To study the antibiotic, heavy metals and pesticide residues in animal origin foods.	Detection of these toxic residues in the Foods of animal origin ensures food safety of the consumers.
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4. Thesis:

Post-Graduate Degree :

Name of Department: Veterinary Public Health				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	Dr. Miss A.M. Vaidya	Studies on bacterial isolates from different pork products.	1977	Dr. S. M. Ajinkya
2.	Dr. A. T. Sherikar	Differentiation of meats by gel diffusion technique.	1977	Dr. J. B. Khot
3.	Dr. A. N. Ramane	Estimation of selective trace elements and preservatives from ready to eat cooked meat products.	1978	Dr. J. B. Khot
4.	Dr. A. R. Parasnis	Studies on the anti-bacterial activities of garlic at different concentrations in meats and some selective bacterial isolates.	1980	Dr. J. B. Khot
5.	Dr. H. V. Karale	Analytical studies of the residues of selected heavy metals by atomic absorption spectrophotometry in some common edible fish sold in city of Bombay.	1980	Dr. J. B. Khot
6.	Dr. V. D. Kakade	A comparative study on the effect of anabolic steroids and synthetic obstrogen on growth and meat characteristics in broilers.	1980	Dr. J. B. Khot
7.	Dr. S. A. Khatkale	Studies on carcass traits of some Indian bread of sheep and goats.	1980	Dr. J. B. Khot
8.	Dr. A. M. Nadgouda	Studies on microbial flora of some of the edible seafood's sold in different market in the city of Bombay.	1980	Dr. J. B. Khot
9.	Dr. U. K. Sharma	A microbiological study of the ice-cream manufactured in Bombay city.	1981	Dr. J. B. Khot



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10.	Dr. B. M. Jayarao	A study of storage of hens, egg and its public health significance.	1982	Dr. J. B. Khot
11.	Dr. G. V. Chavan	A study on mercury level in seafood's and eggs (Hen and Duck) from Thane environment.	1984	Dr. J. B. Khot
12.	Dr. A. R. Bhadekar	A study on the effect of chilling and freezing on the microbial flora of buffalo meat cuts.	1984	Dr. J. B. Khot
13.	Dr. N. K. Kulkarni	A study on incidence of cystecrcus cellulosae, Hydatid cyst and Stephanurus Dentatus in domestic pig.	1984	Dr. J. B. Khot
14.	Dr. S. B. Kulkarni	Application of enzyme linked immunosorbent assay (Eliza) for detection of IgG antibody for brucellosis in bovines and its comparison with SAT and RBPT.	1985	Dr. J. B. Khot
15.	Dr. S. G. Kulkarni	Microbial profiles of frozen buffalo meat cuts.	1985	Dr. A. T. Sherikar
16.	Dr. V. V. Kulkarni	A study on the extraction neat's foot oil from buffalo hooves.	1985	Dr. A. T. Sherikar
17.	Dr. S. R. Pillai	Studies on carcass traits in aged buffalo.	1986	Dr. A. T. Sherikar
18.	Dr. U. D. Karkare	Identification of raw and heat treated meats by enzyme linked immunosorbent assay (Elisa) and peroxidase anti-peroxidase (PAP) techniques.	1987	Dr. A. T. Sherikar
19.	Dr. S. D. Sawant	Comparative study on bacterial flora of fresh poultry meat obtained from farm and market.	1987	Dr. A. T. Sherikar
20.	Dr. A. M. Parturkar	Prevalence of <i>Salmonella</i> in meats and comparative studies on the efficacy of media employed for their isolation.	1988	Dr. A. T. Sherikar
21.	Dr. K. N. Gaonkar	Studies on characterization of thermostable antigens of adrenals and muscles tissue of meat animals.	1989	Dr. A. T. Sherikar
22.	Dr. S. S. Saoji	Effect of acetic acid and lactic acid on the microbial count and sensory characteristics of beef sticks.	1989	Dr. A. T. Sherikar
23.	Dr. A. N. Surve	The effect of combination of acetic acid with lactic on propionic acid on the microbial count and sensory characteristics of beef sticks.	1989	Dr. A. T. Sherikar
24.	Dr. N. S. Shaikh	Studies on preparation of mutton sausages.	1989	Dr. A. T. Sherikar



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25.	Dr. Z. H. Munshi	Studies on sources of <i>Salmonella</i> contamination in Deonar abattoir and comparative efficacy of media employed for isolation.	1989	Dr. A. T. Sherikar
26.	Dr. B. G. Tarwate	Studies on hazard analysis and critical control point (HACCP) approach line in buffalo slaughter at Deonar abattoir.	1990	Dr. A. T. Sherikar
27.	Dr. N. M. Kulkarni	Prevalence of <i>Campylobacter Jejuni</i> in live chicken and chicken meat sold in the city of Bombay.	1990	Dr. A. T. Sherikar
28.	Dr. S. S. Teltumbade	Studies on detection of residual penicillin in milk and meat employing <i>Bacillus stearothermophilus</i> disc assay.	1990	Dr. A. T. Sherikar
29.	Dr. H. V. Murugkar	Studies on the microbial isolates of poultry, mutton and pork products.	1991	Dr. A. T. Sherikar
30.	Dr. B. D. Kadam	Studies on hazard analysis and critical control point (HACCP) approach in the buffalo meat processing plant.	1991	Dr. A. T. Sherikar
31.	Dr. G. N. Naik	Effect of low dose gamma irradiation alone and in combination with phosphate or acetic acid on the self-life of buffalo meat.	1992	Dr. A. T. Sherikar
32.	Dr. K. B. Harne	Studies on Sarcocystis in buffaloes (<i>bubalis bubalis</i>).	1992	Dr. A. T. Sherikar
33.	Dr. V. S. Waskar	Microbiological quality of fresh, refrigerated and frozen buffalo meat and its relationship with sensory, physical and chemical indices.	1993	Dr. A. T. Sherikar
34.	Dr. P. D. Borse	Studies on hazard analysis and critical control point (HACCP) approach in sheep slaughter line at Deonar abattoir.	1995	Dr. A. T. Sherikar
35.	Dr. S. B. Khune	Studies on bacterial evaluation of fresh, refrigerated and frozen mutton and its relationship with physical and chemical indices.	1995	Dr. A. T. Sherikar
36.	Dr. M. B. Bhanage	Application of species specific anti-adrenal be sera and development of disc assay technique for species identification.	1995	Dr. A. T. Sherikar
37.	Dr. D. D. Manjramkar	Rapid identification of Salmonella by using modified Rappaport- Vassiliadis medium and its comparison with conventional method.	1995	Dr. A. T. Sherikar



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38.	Dr. R. A. Kalyapure	Application of indirect enzyme linked immunosorbent assay (ELISA) for species identification.	1995	Dr. A. T. Sherikar
39.	Dr. R. J. Zende	Species identification by serological techniques and standardization of a test for rapid identification of meats.	1996	Dr. A. T. Sherikar
40.	Dr. D. T. Shinde	Studies on efficacy of various packaging materials and systems on shelf life and keeping quality of buffalo meat, mutton and whole dressed chicken at refrigeration temperature.	1996	Dr. A. T. Sherikar
41.	Dr. S. S. Ludrik	Studies on comparative performance of sellers staining mouse inoculation test and fluorescent antibody technique for detection of rabies antigen and development of counterimmuno electrophoresis test.	1996	Dr. A. T. Sherikar
42.	Dr. V. R. Dhimate	Efficacy of various packaging materials and systems on the shelf-life and keeping quality of some processed pork products at refrigeration temperature.	1997	Dr. A. T. Sherikar
43.	Dr. S. S. Endait	Effect of low dose gamma irradiation on the shelf and microbiologic quality of buffalo and sheep/goat meat.	1997	Dr. A. T. Sherikar
44.	Dr. G. M. Katare	Improvement of shelf life and microbiological quality of buffalo meat employing chlorinated and chilled water sprays and ambient and refrigeration storages.	1997	Dr. A. T. Sherikar
45.	Dr. P. P. Gosavi	Effect of chlorinated water and chilled water spray washing on shelf life and keeping quality of mutton at ambient and refrigeration storages.	1997	Dr. A. T. Sherikar
46.	Dr. S. M. Kanfade	Effect of food grade salt sprays on microbiological quality and shelf life of buffalo meat at ambient and refrigeration temperature.	1998	Dr. A. T. Sherikar
47.	Dr. A. A. Sawant	Improvement in microbiological quality and shelf life processed meat products employing low dose gamma irradiation.	1998	Dr. A. T. Sherikar
48.	Dr. M. R. Bhide	Application of low dose gamma irradiation in combination with food	1999	Dr. A. M. Paturkar



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		grade organic acids for improvement of sheep/ goat meat quality.		
49.	Dr. S. T. Mane	Effect of food grade salts on microbiological quality and shelf life of pork.	1999	Dr. A. M. Paturkar
50.	Dr. S. R. Nanaware	Use of food grade salts for improvement of poultry meat quality.	1999	Dr. A. M. Paturkar
51.	Dr. K. D. Munde	Prevalence of zoonotic bladder worms (metacestodes) in food animals and their economic implication.	1999	Dr. A. M. Paturkar
52.	Dr. S. Ahmed	Effect of food grade edible salt combination sprays of shelf life and microbiological quality of meats.	1999	Dr. A. M. Paturkar
53.	Dr. D. B. Rawool	Effect of selected carcass sanitizers on artificially inoculated micro-organisms in buffalo meat.	2000	Dr. A.T. Sherikar
54.	Dr. S. R. Janjirkar	Effect of selected carcass sanitizers on artificially inoculated micro-organism in poultry meat.	2000	Dr. A. M. Paturkar
55.	Dr. Z. B. Dubal	Effect of selected carcass sanitizers on artificially inoculated micro-organisms in sheep/goat meat.	2000	Dr. A. M. Paturkar
56.	Dr. R. Paul	Studies on detection of tetracycline's and oxytetracyclines residues in common food animals by bio assay and TLC/HPLC.	2001	Dr. A. M. Paturkar
57.	Dr. A. A. Gurjar	Standardization of techniques for detection of antibiotics residues in milk.	2001	Dr. A. M. Paturkar
58.	Dr. N. B. Aghav	Survey for the presence of hormone residues in competitive ELISA.	2001	Dr. A. M. Paturkar
59.	Dr. S. G. Bhandare	Application of hazard analysis and critical control point (HACCP) approach in sheep goat slaughter line.	2001	Dr. A. M. Paturkar
60.	Dr. P. K. Dethe	Hazard analysis and critical control point (HACCP) approach for buffalo slaughter and meat processing.	2002	Dr. A. M. Paturkar
61.	Dr. S. H. Walse	Prevalence of listeria species from meats of common food animals.	2002	Dr. A. M. Paturkar
62.	Dr. V. M. Vaidya	Hazard analysis and critical control point (HACCP) approach in poultry slaughter processing units.	2002	Dr. A. M. Paturkar
63.	Dr. (Miss) A. B. Kadam	Application of hazard of hazard analysis and critical control point (HACCP) approach in pig slaughterhouse.	2002	Dr. V. S. Waskar



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64.	Dr. (Miss) S. V. Kargirwar	Studies on microbial quality of traditional meat products.	2004	Dr. A. M. Paturkar
65.	Dr. R. S. Barge	Detection of gentamycin residues in tissue of common food animals by HPLC.	2004	Dr. V. S. Waskar
66.	Dr. Khan Mohammad Wasim Kayyum	Detection of heavy metals residues in tissues of common food animals by atomic adsorption chromatography.	2004	Dr. S. V. Waskar
67.	Dr. Nitin Wagh	Detection of chloramphenicol residues in tissues of common food animals by HPLC.	2004	Dr. A. M. Paturkar
68.	DR. Sujat a S. Dali	Seroprevalence of Tuberculosis in animal and human population in and around Mumbai City.	2004	Dr. S. V. Waskar
69.	Dr. Shilpa D. Pillai	Detection of various adulterants in market milk sold and around Mumbai City.	2004	Dr. A. M. Paturkar
70.	Dr. Rindhe Siddheshwar N.	Detection of Nitro furan residues in tissue of common food animals.	2005	Dr. A. M. Paturkar
71.	Dr. Aradwad Ashvini A.	Isolation and identification of <i>Campylobacter</i> spp. From raw meat and poultry at retail sale in Mumbai.	2005	Dr. V. S. Waskar
72.	Dr. Phadtare Dyaneshwar N.	Detection of selected heavy metal residues in meats and seafood's by atomic absorption spectrophotometry.	2005	Dr. V. S. Waskar
73.	Dr. Waghmare R. N.	Prevalence and molecular characterization of <i>Listeria</i> spp. From milk.	2006	Dr. R. J. Zende
74.	Dr. Kulkarni D. S.	Detection of heavy metal residues in milk by atomic absorption spectrophotometry.	2006	Dr. R. J. Zende
75.	Dr. Chakkath Tushara	Detection of enrofloxacin and ciprofloxacin residue in meat.	2006	Dr. A. M. Paturkar
76.	Dr. Gaikwad G.P.	Detection of carbamates residues in meat.	2006	Dr. V. S. Waskar
77.	Dr. Patil Archana Rajkumar	Detection of organochlorine residue in egg.	2007	Dr. R. J. Zende
78.	Dr. Netake Manisha D.	Detection of Nimesulide residue in milk and meat by HPLC.	2007	Dr. A. M. Paturkar
79.	Dr. Dhawale Swaminath P.	Studies on prevalence of salmonella spp. In chicken meat produced from retail markets by isolation molecular characterization and antimicrobial resistance patterns.	2008	Dr. R. J. Zende
80.	Dr. Bute Vikram Suresh	Detection of antimicrobial residue in chicken meat.	2008	Dr. R. J. Zende



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81.	Dr. Satpute Abhijet Bharat	Detection and quantitation of organochlorine, organophosphate and synthetic pyrethroids residues in chicken meat sample.	2008	Dr. A. M. Paturkar
82.	Dr. Nayak D. N.	Detection and quantification of selected heavy metals residue in chicken meat.	2008	Dr. A. M. Paturkar
83.	Dr. Kshirsagar Deepali D.	Studies on prevalence of <i>Listeria</i> spp. From clinical cases of women with spontaneous abortion and animals with reproductive disorders by isolation and molecular characterization.	2009	Dr. R. J. Zende
84.	Dr. Khadagale Pravinkumar M.	To study the effect of Polyhexamethylene Guanidine on shelf life of fish/prawn at ambient and refrigeration storage.	2009	Dr. A. M. Paturkar
85.	Dr. Chote Sonali Vilas	Effect of different thawing methods on physicochemical, sensory and Microbiological quality of frozen chicken meat.	2009	Dr. A. M. Paturkar
86.	Dr. Santosh Sajjan	Studies on prevalence, antigenic characterization of hydatid cysts and its economic impact on pig meat production.	2010	Dr. A. M. Paturkar
87.	Dr. Nandavadekar Amitkumar V.	Studies on prevalence, antigenic characterization of hydatid cysts and its economic impact on sheep and goat meat production.	2010	Dr. A. M. Paturkar
88.	Dr. Ghodake Prafulla Suresh	Studies on prevalence, antigenic characterization of hydatid cysts and its economic impact on cattle, and Buffalo meat production.	2010	Dr. A. M. Paturkar
89.	Dr. Badrige Viraj Vinayak	Studies on prevalence, antigenic characterization of Cysticercosis and its economic impact on cattle, Buffalo and pig meat production.	2010	Dr. R. J. Zende
90.	Dr. Katkar Shilpa Madhav	Isolation and molecular characterization of spp. <i>Listeria</i> from sheep and goats with reproductive disorders or spontaneous abortion and its public health significance.	2010	Dr. R. J. Zende
91.	Dr. Mulani Javed Bashir	Evaluation of efficiency of sanitization of table eggs for microbial safety with special reference to <i>Escherichia coli</i> .	2011	Dr. A. M. Paturkar



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92.	Dr. Deshmukh Aditi Vinay	Microbial risk assessment and shelf-life evolution of table eggs with respect to food-borne Salmonellosis.	2011	Dr. A. M. Paturkar
93.	Dr. Jogdand Nilesh Kisanrao	Assessment of microbiological and physicochemical quantity of Emu meat at ambient and refrigeration storages.	2011	Dr. R. J. Zende
94.	Dr. Chetankumar H. B.	Studies on incidence and molecular characterization of <i>Trichinella</i> spp. In pigs slaughtered a Deonar Abattoir	2011	Dr. R. J. Zende
95.	Dr. Pantawane Pranita Bhanudasaji	Quality Evaluation of shelf stable fermented pork sausages.	2012	Dr. R. J. Zende
96.	Dr. Pabitra Deori	Prevalence of Echinococcosis in dogs and humans in Mumbai.	2012	Dr. V. M. Vaidya
97.	Dr. Deshpande Rutuja Ravindra	Screening of antimicrobial residues in broiler meat.	2012	Dr. A. M. Paturkar
98.	Dr. Borde Umakant Madhukar	Assessment of microbiological quality and shelf-life of buffalo and goat meat packed using Modified Atmosphere Packaging and stored at refrigeration temperature.	2013	Dr. R. J. Zende
99.	Dr. Surpam Vinod Balaji	Studies on keeping quality of hard boiled eggs packed under Modified Atmosphere Packaging and stored at refrigeration temperature.	2013	Dr. A. M. Paturkar
100.	Dr. Bengale Ketaki Gulab	Studies on prevalence of Hydatidosis and Cysticercosis in slaughtered food animals by PCR.	2013	Dr. V. M. Vaidya
101.	Dr. Jadhav Priyanka Mahendra	Studies on prevalence of Cysticercosis in Humans and Animals by Serological and Molecular Techniques.	2014	Dr. A. M. Paturkar
102.	Dr. Nikale Nikita Vijay	Prevalence of Echinococcosis in dogs and humans.	2014	Dr. V. M. Vaidya
103.	Dr. Sanap Sachin Shriram	Quality Evaluation of Ham and Chicken salami package using Vacuum and MAP.	2014	Dr. R. J. Zende
104.	Dr. Masoji Vivek Rajendra	Development of loop mediated isothermal amplification (LAMP) method for the detection of <i>Salmonella</i> spp. from animal origin foods.	2015	Dr. R. J. Zende
105.	Dr. Chavan Poonam Baburao	Comparative studies on loop mediated isothermal amplification (LAMP) method and conventional PCR for	2015	Dr. A. M. Paturkar



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		detection of <i>Staphylococcus aureus</i> from animal origin foods.		
106.	Dr. Jundale Digambar Vithoba	Prevalence of <i>Trichinella</i> spp. in pigs slaughtered in Maharashtra state.	2015	Dr. V. M. Vaidya
107.	Dr. Whaval Nilam Pandurang	Seroprevalence of Cystecercosis in pigs in Maharashtra state.	2016	Dr. A. M. Paturkar
108.	Dr. Prerana Baraily	Detection of <i>E-coli</i> using Loop-Mediated isothermal amplification (LAMP) in animal origin foods.	2016	Dr. R. J. Zende
109.	Dr. Panchal Suvarna Ganesh	Studies on prevalence of Trichinellosis in pig, Rodents and Humans.	2016	Dr. V. M. Vaidya
110.	Dr. Kale Lahu Narayan	Molecular Characterization of <i>Trichinella</i> spp. isolated from pigs of Goa and Assam region of India.	2017	Dr. R. N. Waghmare
111.	Dr. Deepika Prabhakar	Effect of electron beam irradiation on qualities of pork product stored at refrigerator temperature.	2017	Dr. R. J. Zende
112.	Dr. Shende Renuka Gopichand	Standardization of flow through assay for serodignosis of Cysticercosis in pigs.	2017	Dr. V. M. Vaidya
113.	Dr. Sankpal Sambhaji Vasant	Standardization of flow through assay for serodignosis of Hydatidosis in Buffaloes.	2018	Dr. V. M. Vaidya
114.	Dr. Rane Sonal Anil	Effect of electron beam irradiation on Quality attributes of chicken products stored at refrigeration temperature.	2019	Dr. R. J. Zende
115.	Dr. Jangale Pooja Attmaram	Effect of electron beam irradiation on microbiological qualities of modified atmospheric packaged raw chicken stored at refrigeration temperature.	2019	Dr. R. J. Zende
116.	Dr. Khadilkar Omkar Milind	Detection of <i>Trichinella</i> spp. in pigs and rodents by artificial digestion and real-time PCR Assays.	2019	Dr. V. M. Vaidya
117.	Dr. Mankar Rushabh Ashok	Effect of different thawing methods on quality attributes of frozen chicken meat.	2021	Dr. R. J. Zende
118.	Dr. Kurat Ul Ann	Quality Evaluation of Modified Atmospheric Packaged Raw Chevron treated with Electron Beam Irradiation stored at Refrigeration Temperature.	2022	Dr. R. J. Zende
119.	Dr. Atul H. Nehete	Detection of <i>Leptospira</i> spp. In animals and environmental contaminant by Real Time PCR Assay.	2022	Dr. V. M. Vaidya



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120.	Dr. Neha V.	Detection of selected Antibiotic Residues in Chicken Meat samples using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)	2022	Dr. R. J. Zende
121.	Dr. Nair Aishwarya Sivaraman	Detection of selected pesticide Residues in Chicken using Liquid Chromatography- Tandem Mass Spectrometry (LC-MS/MS)	2023	Dr. V.M. Vaidya
122.	Dr. Bagang Magri	Quantitative analysis of selected Heavy Metal residues in table eggs using Inductively Coupled Plasma Mass Spectrometry	2023	Dr. V.M. Vaidya
123.	Dr. Malkar Rohan	Risk assessment of <i>Listeria</i> spp. In chicken production chain	2023	Dr. R. J. Zende
124.	Dr. Surwase Sachin	Studies on isolation, molecular characterization and prevalence of <i>Staphylococcus</i> spp. and <i>E. Coli</i> from bovine mastitic milk	2024	Dr. R. J. Zende
125.	Dr. Zade Bhakti	Molecular detection of <i>Streptococcus</i> spp. and <i>Klebsiella</i> spp. from bovine mastitic milk	2024	Dr. V. M. Vaidya

Doctoral:

Ph.D Degree Program

Name of Department: Veterinary Public Health				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	Dr. A. T. Sherikar	Studies on detection of adulteration in meats of common food animal by employing immunological techniques and isoelectric focusing.	1986	Dr. J. B. Khot
2.	Dr. Mrs. C. Latha	Quantitation and surveillance of hormonal residues in meat, milk and viscera of food animals.	2001	Dr. A. T. Sherikar



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3.	Dr. A. M. Paturkar	Antimicrobial residues surveillance in food animal.	2002	Dr. A. T. Sherikar
4.	Dr. Waskar Vikas Suryakant	Molecular characterization of selected food borne pathogens isolated from processed meat products.	2006	Dr. A. T. Sherikar
5.	Dr. Jadhav Vijay Jayawant	Detection of pesticide residue in meat.	2008	Dr. A. T. Sherikar
6.	Dr. Zende Ravindra Jayavant	Detection and quantitation of organochlorine, organophosphate and synthetic pyrethroids pesticide residues in meat.	2009	Dr. A. T. Sherikar
7.	Dr. Barge Rajkumar S.	Study on efficacy and validation of polyhexamethylene guanidine for carcass sanitation and effect on shelf life.	2009	Dr. A. M. Paturkar
8.	Dr. Madhavprasad C. B.	A comprehensive study on quality and safety of raw shell eggs from commercial layer farms and different markets.	2009	Dr. A. M. Paturkar
9.	Dr. Waghmare Rupesh Nagesh	Risk Assessment of <i>Salmonella</i> spp. in Chicken meat production.	2018	Dr. A. M. Paturkar
10.	Dr. Aswar Netra Babarao	Standardization of Multiresidue method for detection of selected organochlorine pesticides residue and its quantification in meat and fish.	2019	Dr. A. M. Paturkar
11.	Dr. Khillare Rajpal Sheshrao	Effect of electron beam irradiation on	2019	Dr. A. M. Paturkar



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		survival of common food pathogens in pork and studies on shelf life of raw pork at refrigeration temperature.		
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5. Research/ Review Papers Published:

Sr. No	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.	NAAS Rating, if any
1.	Ravindra Zende , Vilas Vaidya, Aishwarya Nair, V.H. Shukla, Mahendra Pal, Nidhi Panicker, Aparna Shirke, Suren Tambe	2025	Prevalence of Bacterial Pathogens and Their Antibigram Profile in Raw Buffalo Meat from Maharashtra State, India	American Journal of Food and Nutrition	13(1), 1-7	-
2.	Mahendra Pal, Firaol Tariku, Dhwani Upadhyay, Ravindra Zende	2024	Current Innovations in the Diagnosis and Immunization of Emerging and Re-Emerging Zoonoses	American Journal of Epidemiology and Infectious Disease	Vol. 12, No. 2, 23-28	
3.	Mahendra Pal, Firaol Tariku, Dhwani Upadhyay,	2024	Middle East Acute Respiratory Syndrome: A Sworn Enemy	American Journal of Infectious Diseases and Microbiology	12(3), 67-73	



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	Ravindra Zende		of Public Health			
4.	Pal M, Rebuma T, Ketema D, Ravindra Z	2024	Emergomyco sis: A Looming Fungal Threat of Public Health	Current Scientific Research in Biomedical Sciences (CSRBS)	5(1)	
5.	Mahendra Pal, Tamasgen Ragasa, Tesfaye Rebuma, Ravindra Zende	2024	Salmonellosis Remains the Hidden Menace in Our Global Food Supply: A Comprehen sive Review	American Journal of Medical and Biological Research	12(1), 1-12	
6.	Mahendra Pal, Tesfaye Rebuma, Wesenu Berhanu, Bekabil Endale, Ravindra Zende	2024	Monkeypox: A New Challenge in Global Health Security	American Journal of Epidemiology and Infectious Disease	12(3), 37-43	
7.	Mahendra Pal, Tesfaye Rebuma, Temesgen Regassa, Ravindra Zende	2024	Methicillin- Resistant Staphylococ cus Aureus (MRSA) Remains a Major Threat to Public Health	American Journal of Public Health Research	12(3), 48-53	



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8.	Mahendra Pal, Motuma Regassa, Tesfaye Rabuma, Ravindra Zende, Dhwani Upadhyay, Nidhi Panicker	2024	Antimicrobial Resistance: Navigating An Unfolding Public Health Crisis	American Journal of Medical and Biological Research	12(1), 27-35	
9.	Mahendra Pal, Tefaye Rebuma, Ravindra Zende, Ranjan Das	2024	From Covid to Monkeypox: The Next Chapter in Viral Outbreaks	American Journal of Public Health Research	12(4), 100-108	
10.	Mahendra Pal, Motuma Regassa, Mulugeta Gizachewu, Kumasa Shifara, Ravindra Zende, Aishwarya Nair, Giovanni Sgroi	2025	Battling Bovine Tuberculosis: Modern Approaches to Diagnosis and Control	American Journal of Infectious Diseases and Microbiology	13(1), 5-14	
11.	Mahendra Pal, Ravindra Zende, Walde Abdisa, Motuma Regassa, Melkamu Mekonnen, Haregawi	2025	Current Status of Q Fever and Its Public Health Implications: A Comprehensive Review	American Journal of Medical and Biological Research	13(1):1-11	



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	Tesfaye, Nidhi Panicker					
12.	Katkar, S., Zende, R.J., Vaidya, V.M., Sharma, R. and Shirke, A.H.	2024	Isolation and characterizati on of Listeria monocytogen es and other Listeria spp. in animals and humans	Haryana Vet.	63(2): 244-250	4.50
13.	N.K. Jogdand, R.J. Zende*, V.M. Vaidya, A.H. Shirke, P.S. Gaikwad	2023	A qualitative and Microbial evaluation of emu meat stored under different temperatures	LWT - Food Science and Technology	188 115412	12.00
14.	Rusabh Mankar, Ravindra Zende*, Vilas Vaidya, Rajpal Khillare, Aparna Shirke, Rashmi Sharma and Suren Tambe	2021	Comparative Effect of Different Thawing Methods on Frozen Chicken	Journal of Veterinary Public Health	19 (1): 31-36, 2021	3.33
15.	Yadav, V. J., Shukla, V. H., & Zende R. J.	2022	Active Packaging Film of Starch and Chitosan Incorporated with Beetroot Extract for Improvement of Quality and Shelf Life of Chicken Patties	Journal of Meat Science	17(1), 44-53, 2022	3.98



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16.	Shukla, V.*, Mendiratta, S., Zende R. , & Badhe, S.	2022	Evaluation of the in-vitro antimicrobial activity of clove and oregano essential oils against foodborne microbes and its comparison with antibiotics	The Pharma Innovation Journal,	11, 732-8	-
17.	S.S. Sankpal, V.M. Vaidya, R.J. Zende, A.M. Paturkar, H. Pallampalle and R. Khillare	2022	Standardization of Flow Through Assay for Sero-Diagnosis of Hydatidosis in Buffaloes	Journal of Veterinary Public Health	Issue : Vol. 20, Issue 2 36-44	3.33
18.	Shukla V*., Mendiratta, S. K., Zende R. J. , Agrawal, R. K., & Kumar Jaiswal, R.	2020	Effects of chitosan coating enriched with Syzygium aromaticum essential oil on quality and shelf-life of chicken patties	Journal of Food Processing and Preservation	44(11), e14870.NAAS – 8.61. https://doi.org/10.1111/jfpp.14870	8.00
19.	Zende R. J.* , Vaidya, V. M., Desai, P., Jagtap, S. Mandhare D.	2021	Assessment of Organochlorine and Organophosphorus pesticides in various meats samples of	Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases, , 2021	42, 84-95	4.49



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			Maharashtra-India using Gas Chromatography			
20.	V.M Vaidya*, R.J. Zende, A.M. Paturkar, C.K. Raut, P.M. Jadhav, N.V. Nikale and S.G. Panchal	2020	Seroepidemiological Study of Hydatidosis, Cysticercosis and Trichinellosis in High-Risk Human Group of Maharashtra State	Journal of Veterinary Public Health,	18(2), 114-120	3.33
21.	Waghamare R.*, Paturkar, A., Vaidya, V., Zende, R. , Chavak, M., & Moregaonkar, S.	2020	Risk of Salmonella in Various Poultry Farming and Processing Operations around Mumbai, India	International Journal of Current Microbiology and Applied Sciences,	9(8), 1024-1034	-
22.	Waghamare R. N*, Paturkar, A. M., Vaidya, V. M., Zende, R. J. , Kumar, A., & Bedi, J. S.	2020	Screening of antimicrobial residues and confirmation of doxycycline in samples collected from chicken farms and processing units located around Mumbai, India	Indian Journal of Animal Research	54, 1415-1421	6.40
23.	Shingade, A. A., Gandge, R. S., Majee, S. B., Zende, R.	2020	Detection of Mycoplasma spp. from Choanal and Tracheal Samples	International Journal of Current Microbiology	9(2), 1099-1108	-



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	J., Pharande, R. R., & Ingle, S. A. *		using Genus Specific Polymerase Chain Reaction	and Applied Sciences		
24.	Wavhal N., Paturkar A. M., Vaidya V. M. , Waghmare R., Zende R. J. , & Moon S.	2019	Seroprevalen ce of porcine cysticercosis in Maharashtra.	Indian Journal of Animal Sciences,	89(4), 365-368, 2019	6.20
25.	Bharkad, G. P.*, Palampalle, H. Y., Narladkar, B. W., Bannaliker, A. S., Zende, R. J. , Ingole, S. D., & Patil, S. S. A. K.	2019	Hatchability of eggs of deltamethrin and amitraz resistant cattle tick Rhipicephalu s microplus of Maharashtra state on treatment with acaropathoge nic fungus metarhizium anisopliae	Journal of Entomology and Zoology Studies	7(4), 38-41, 2019	-
26.	Shukla, V. H.*, S.K. Mendiratta, R.J. Zende , Ravikant Agarwal and S.R. Badhe,	2019	Enhancement of Quality and shelf-life of Chicken pattice using edible coating of chiosan	International Journal of Current Microbiology and Applied Sciences	8(8): 406-417	-
27.	Dr. O.M. Khadilkar, Dr. V.M. Vaidya , Dr. R.J. Zende , Dr. A. M. Paturkar, Dr. S.D.	2019	Detection of Trichinella species in pigs and rodents by Artificiaial diagnostic and Real Time PCR assay	Journal of Veterinary Public Health, 2019,	17(2), 74-77	3.33



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	Ingole, Dr. R.S. Khillare, Dr. P.A. Jangle, (2019)					
28.	Khillare, R. S.*, Zende, R. J. , Paturkar, A. M., Rawat, K. P., Sarma, K. S. S., Vaidya, V. M. , & Tambe, S. M.	2019	Survival of Salmonella spp. in Pork Salami at Refrigeration Temperature after Exposure to Lower Doses of Electron Beam Irradiation	International Journal of Current Microbiology and Applied Sciences	8(5), 695-702	--
29.	Rane, S. A., Zende R. J.* , Vaidya, V. M. , Rawat, K. P., Sharma, K. S. S., Khillare, R. S., Tambe, S. M. (2019)	2019	Effect of Electron Beam Irradiation on Quality Attributes of Chicken Nuggets Stored at Refrigeration Temperature	Journal of Veterinary Public Health, 2019	17(2), 82-88	3.33
30.	Kalwaghe, S. T., Palampalle, H. Y., Narladkar, B. W., Zende, R. J. , Gandge, R. S., & Ingle, S. A.	2019	Influence of prevailing weather parameters on population dynamics of gastrointestinal parasites in different geographical regions of Maharashtra	Journal of Entomology and Zoology Studies.	7(6), 767-771	--
31.	Waghamare R. N.*	2019	Quantifying the	Journal of Entomology	7(2), 1089-1093	--



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	Paturkar, A. M., Vaidya, V. M., Zende, R. J., & Ingole, S. D.		Salmonella spp. at critical stages of poultry processing by miniature MNP techniques (mMNP)	and Zoology Studies,		
32.	Bharkad, G. P.*, Palampalle, H. Y., Narladkar, B. W., Bannaliker, A. S., Zende, R. J., & Ingole, S. D.	2018	Effect of herbal acaricides on hatchability of eggs of deltamethrin and amitraz resistant cattle tick Rhipicephalus microplus	Journal of Entomology and Zoology Studies	6(5), 629-633	--
33.	R.S. Khillare*, R.J. Zende, A.M. Paturkar, K. P. Rawat, K.S.S. Sarma, V.M.Vaidya, D.P. Kshirsagar, V.S. Lande, S.A. Khader, N.B. Aswar, A.H. Shirke, R.P. Todankar and S.M. Tambe	2018	Effect of Electron Beam Irradiation on Survival of Selected Gram Positive and Gram-Negative Bacteria in Pork Salami Stored at Refrigeration Temperature	International Journal of Current Microbiology and Applied Sciences,	7(12) 535-547, 2018	--
34.	Baraily, P., R.J. Zende, D. P. Kshirsagar*, V.M.	2019	Rapid Detection of Shiga toxin-producing <i>E.Coli</i> in	Agricultural Research	8 (4), 490-496	7.40



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	Vaidya, R.N. waghmare, A.M. Paturkar, R.P. Todankar, Shirke, A. H.		Animal Origin foods using loop – mediated Isothermal Amplification (LAMP) Assay			
35.	T Wanjari, S Badhe, S Yadav, V Shukla, V. M. Vaidya	2019	Evaluation of Garlic Extract in Extending Shelf Life of Paneer	International Journal of Livestock Research	Vol- 9 No - 07	4.31
36.	Aswar, N.B., Zende R. J.* , Paturkar, A. M., Vaidya V. M. , Khillare, R. S., Shewale, G. D., Jagtap, S. S., & Dwevedi, R.S.	2018	Standardization and validation of Multi-Residue method for determination of Organochlorine & Organophosphorus Pesticide residue in meat using Gas chromatography mass spectrometry (GCMS)	Journal of Veterinary Public Health	23- 28	3.33
37.	Shagufta, Bi., Dubal, Z. B.*, Bhilegaonkar, K. N., Anukampa, Shivakumar M, Zende R. J. & Vaidya, V. M.	2018	Street Vended Foods and Associated Environment in Two major cities of India: Microbial safety Concern	International Journal Livestock Research.	8(9), 312-325	





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42.	Shende R.G.*, Vaidya V.M., Zende R. J., Paturkar A.M., Waghamare R.N., Kale L.N. and Bhave S.S.	2018	Application of Flow Through Assay for Serodiagnosis of Cysticercosis in Pigs	Journal of Veterinary Public Health	16 (1): 39-43	3.33
43.	Nilam Wavhal, Ashish Paturkar, Vilas Vaidya, Rupesh Waghamare, Ravindra Zende and Shilpa Moon	2018	Seroprevalence of porcine cysticercosis in Maharashtra	Indian Journal of Animal Sciences	63(2), 231- 243, DOI: 10.1515/ap-2018-0027	6.20
44.	V. M. Vaidya, R. J. Zende, A. M. Paturkar, M. L. Gatne, D. G. Dighe, R. N. Waghamare, S. L. Moon, S. S. Bhave, K. G. Bengale and N. V. Nikale. (2018). .,	2018	Cystic echinococcus is in animals and humans in Maharashtra state, India	<i>Acta Parasitologica</i>	63(2) 232-243.	7.20
45.	Zende, R., Kshirsa	2017	Loop-Mediated	<i>International Journal of</i>	7(5), 23-35	



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	gar, D., Vaidya, V. M., Waghamare , R., Todankar, R., & Shirke, A. H.		Isothermal Amplification assay (LAMP): a Rapid tool for diagnosis of food borne and zoonotic pathogens: a Review.	<i>Livestock Research</i>		
46.	Vikas V. Karande*, M.M. Gatne, R.J. Zende , R.V. Gaikwad, P.L. Dhonde, S.H. Dalavi, S.S. Chavan, A.S. Nagvekar, B. Sujata	2017	Resistance trends of <i>E.Coli</i> against selected beta- lactam group of antimicrobial s	Indian Research Journal of Extension Education,	17, 72-77	
47.	Jadhav, V.J.*, Waskar, V.S., Sherikar, A.T., Paturkar, A. M., Ekbote, A. U., Zende, R. J. , & Vibhute, S.M.	2017	Organochlori ne Pesticide residues in Tissues of food animals from Maharashtra, India	Journal of Veterinary Public Health	15 (1), 41-47	
48.	Waghamare , R. N.*, Paturkar, A. M., Zende , R. J. , Vaidya, V. M. , Gandage, R. S.,	2017	Studies on occurrence of invasive <i>Salmonella</i> spp. from unorganised poultry farm to retail chicken meat	International Journal of Current Microbiology and Applied Science,	6(5), 630-641	



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	Aswar, N. B., & Khilari, R. S.		shops in Mumbai city, India			
49.	Deepika, P., Zende, R. J.* , Kshirsagar, D. P., Lande, V. S., Vaidya V. M. , Waghamare, R. N., Shirke, A. H., & Todankar, R. P.	2017	Effects of Electron Beam Irradiation on Safety and Quality of Pork Salami Stored at Refrigeration Temperature	Journal of Veterinary Public Health,	(95-101)	
50.	Deepika, P., Zende R. J. , Kshirsagar, D. P.*, Lande, V. S., Vaidya V. M. , Waghamare, R. N., Todankar, R. P., & Shirke, A. H.	2017	Effects of electron beam irradiation on microbial quality of pork sausage stored at refrigeration temperature	International Journal of Current Microbiology and Applied Science,	6(11), 3978-3987, 2017	
51.	Meshram P. V.*, Moregaonkar S. D., Gatne, M. M., Gaikwad, R. V., Zende, R. J. , Ingole, S. D., & Vanage, G. R. (2017).	2017	Physicochemical and phytochemical screening of aqueous and ethanolic extracts of Costus pictus D. Don and Enicostema littorale Blum	Chemical Science Review and Letters,	6, 426-434	



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52.	Zende, R., Kshirsagar, D.*, Vaidya, V. M., Waghamare , R., Todankar, R., & Shirke, A. H.	2017	Loop- Mediated Isothermal Amplification assay (LAMP): a Rapid tool for diagnosis of food borne and zoonotic pathogens: a Review	International Journal of Livestock Research	7(5), 23-35	
53.	D.D. Kshirsagar, R.J. Zende* , A. M. Paturkarr, S.B. Barbuddhe, V.M. Vaidya	2017	Prevalence of <i>Listeria</i> species in women and animals by isolation and multiplex PCR assay	Journal of Veterinary Public Health,	15 (1) 33-39,	3.33
54.	Zende, R. J., Kshirsagar, D. P., Vaidya, V. M., Waghamare , R. N., Paturkar, A. M., Shirke, A. H., & Todankar, R. P.	2016	Prevalence and Antibiogram Studies of Salmonella from Foods of Animal Origin in Mumbai City	Journal of Veterinary Public Health	14(1), 41-46,	
55.	Masoji, V. R., Zende R. J., Suryawans hi, R. D., Vaidya, V. M., Waghamare, R. N., Kshirsagar, D. P.*, Todankar R. P., &	2017	Rapid Detection of Salmonella spp. in Animal Origin Foods by In-House Developed Loop- Mediated Isothermal Amplification	International Journal of Current Microbiology and Applied Sciences.	6 (4) 2523-2532, 2017	



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	Shirke, A .H. (2017).		(LAMP) Assay			
56.	Shende, R. G., Vaidya, V. M.*, Zende R. J. , Paturkar, A. M., Waghamare , R. N., Kale, L. N., & Bhawe, S. S.	2016	Incidence of cysticercosis in pigs slaughtered in Deonar Abattoir, Mumbai	Journal of Bombay Veterinary College	23(3): 12-14, 2016	
57.	Barbuddhe, S. B., Doijad, S. P., Goesmann, A., Hilker, R., Poharkar, K. V., Rawool, D. B., Kurkure, N. V., Kalorey, D. R., Malik, S. S., Shakuntala, I., Chaudhari, S., Waskar, V. S., Costa, D. D., Kolhe, R. I., Arora, R., Roy, A., Raorane, A., Kale, St., Pathak, A., Negi, M., Kaur, S., Waghmare, R. N., Warke, Si., Shoukat.,	2016	Presence of a widely disseminated Listeria monocytogen es serotype 4b clone in India	Emerging microbes & infections,	5(1),1-4	14.40



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	Harish, B., Poojary, A., Madhavaprasad, C., Nagappa, K., Das, S., Zende R. J. , Garg, S., Bhosle, S., Radriguez, S., Paturkar, A. M., Fritzenwanker, M., Ghosh, H., Hain, T., & Chakraborty, T.					
58.	Sajjan S. A.*, Paturkar, A.M., Zende, R. J., Vaidya, V. M. & Chethan, K. H. B.	2015	Prevalence of Hydatidosis in Domestic Pigs and Elucidation of its Economic Impact on pork Production	Indian Veterinary Journal,	92(02) 15-18, 2015	4.99
59.	Chethan, K. H. B.*, Zende R. J. , Paturkar, A. M., Vaidya, V. M., & Nagappa, K.	2015	Studies on Prevalence of Trichinellosis in Pigs and Wild Animals	Journal of Veterinary Public Health,	13 (1): 15-18, 2015	
60.	Bhadrige, V. V., Zende, R. J. , Paturkar, A. M., Vaidya V. M.* , & Deshmukh, A.V. (2014).	2014	Studies on Prevalence of Cysticercosis and its Economic Impact on Cattle, Buffalo and Pig Meat Production	Journal of Veterinary Public Health	12 (1) 19-23	3.33



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61.	Patil A. R.*, Zende, R. J. , Paturkar, A. M., Waskar, V. S. & Netake, M. D.	2014	Screening of Organochlorine Pesticide Residues in Chicken Eggs in and around Mumbai City	Journal of Veterinary Public Health,	12 (2): 81-84, 2014	3.33
62.	Vaidya, V. M.* , Zende, R. J. Paturkar, A. M. Kumar, A., & Raut, C. K.	2014	Economic Impact of Hydatidosis and Cysticercosis in Food Animals Slaughtered at Different Abattoirs of Maharashtra	Journal of Veterinary Public Health,	12 (2) 65-70,	3.33
63.	Ghodake, P.S., Paturkar, A. M., Zende, R. J. , & Vaidya V. M.*	2014	Studies on prevalence, antigenic characterization of hydatidosis and its economic impact on cattle and buffalo meat production	Journal of Foodborne and Zoonotic diseases.	2(4) :68-71	-
64.	Zende, R. J. , Chavhan, D. M., Rai, A. K., Vaidya, V. M. & Save, H. V. (2014).	2014	Microbiological and nutritional quality of freshly laid Emu eggs collected from different farms located in Thane district of Maharashtra	Journal of Meat Science,	9(2) 11-12	3.98
65.	Z. B. Dubal, K. N. Bhilegaonkar, R. P.	2014	Isolation and genotypic characterization	Indian Journal of Animal Sciences	84(3): 240-244	6.20



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	Kolhe, Simranpreet Kaur, Shriya Rawat, I. Shakuntala and V. M. Vaidya		on of rotavirus			
66.	Pantawane, P. B., Zende*, R. J. , Chavhan, D. M., Suryavanshi, P. R., & Vaidya V. M.	2013	Microbiological, physico-chemical and sensory attributes of pork sausages fermented by <i>Pediococcus pentosaceus</i> culture and Glucono-delta-Lactone and stored at ambient temperature	Journal of Bombay Veterinary College,	11(2) 117-126	-
67.	Meshram, P. V.* , Moregaonkar S. D., Gatne, M. M., Gaikwad, R. V., Zende R. J. , Ingole S. D. & Vanage, G. R.	2013	Acute toxicity study of aqueous and ethenolic extracts of <i>Costus pictus</i> D. Don and <i>Enicostema littorale</i> Blum in rats	Journal of Bombay Veterinary College,	37 20 (2): 27-33, 2013	-
68.	Zende, R. J.* , Chavhan, D. M., Suryawanshi, P. R., Nagappa k., Vaidya V. M. , & Save, H.V.	2013	Determination of physical and microbiological quality of Buffalo Bile concentrate stored at ambient temperature	Journal of Meat Science,	9(1) 58-62	3.98



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69.	Zende, R. J.* , Chavhan, D. M., Suryawanshi, P. R., Rai, A. K., & Vaidya V. M.	2013	PCR detection & Serotyping of enterotoxigenic & shigatoxigenic Escherichia coli isolates obtained from chicken meat in Mumbai, India	Veterinary World	6(10) 770-773,	7.70
70.	Sajjan S. A.*, Paturkar, A. M. Gatne, M. L., Zende, R. J. & Bhandare, S.G.	2012	Characterization of Porcine Hydatid Fluid proteins by SDS-PAGE	Frontier Journal of Animal Science,	1(1) 22-26	3.33
71.	Waghmare, R. N.*, Zende, R. J. , Waskar, V. S., Paturkar, A. M., & Kulkarni, D. S.	2012	Prevalence of listeria spp. In milk sold in different markets of Mumbai city	Journal of Veterinary Public Health,	10 (1) 85-89	3.33
72.	Sajjan, S. A.*, Paturkar, A. M., Madhavprasad, C. B., Zende, R. J. , Bhadrige, V. V.	2012	Minimal inhibitory concentration (MIC) of stabilized hydrogen peroxide with colloidal silver on selected microorganisms of food safety importance	Journal of Veterinary Public Health,	10 (1) 31-34	3.33
73.	Chethan, K. H. B.*, .Karabasanavar, N. S.,	2012	Contamination of community soil with Ova	Journal of Veterinary Public Health,	10 (1) 57-58,	3.98



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	Bhandare, S. G., Zende, R. J. Paturkar A.M,		of Toxocara species in Mumbai City			
74.	Karabasana var, N. S., Krithi, S., Naveen, H., & Zende R. J.*	2012	Comparative evaluation of efficacy of manual vis-à-vis automated colony counting techniques used for enumeration of microorganism in meat	Journal of Meat Science	8 (1&2) 72-75,	3.98
75.	Pantawane P., Zende, R. J.* , Paturkar, A. M, Chavhan, D. M., & Nagappa, K.	2012	Studies on Nutritive Quality of Fermented Pork sausages stored at ambient temperature	Journal of Meat Science	8 (1&2) 49-53, 2012	3.98
76.	Bute, V. S., Zende, R. J. , Paturkar A. M., Vaidya, V. M., Kadam, A. B., Jadhav, V. J., Dhawale, S. B., & Kshirsagar, D. D.	2012	Standardization of screening test (Premi test) for detection of antimicrobial residues in poultry tissue	Journal of Bombay Veterinary College	19 (1 & 2) 51-53	--
77.	Sajjan, S. A.*, Paturkar, A. M., Zende R. J.	2011	Penetration pattern of <i>Salmonella Typhimurium</i> in Artificially	Journal of Veterinary Public Health	9(2) 99-101	3.33



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	Madhavprasad, C. B., Katkar, S. M., & Badrige, V.V.		inoculated Desi and White shelled Eggs at Ambient Temperature			
78.	Deshmukh A.V., Paturkar A.M., Zende R.J., Vaidya V.M., Nagappa S.K.	2013	Microbial risk assessment and shelf-life evaluation of commercial table eggs	Journal of Bombay Veterinary College	20 (2):37-42, 2013	-
79.	Nagappa S.K, Bhandare S. G., R.J. Zende and Paturkar A.M.	2011	Molecular detection and differentiation of Salmonellae: A review	Food Safety Magazine	eDigest :2011	-
80.	Vaidya, V. M., Paturkar, A. M., Sherikar, A. T., Waskar, V. S., Zende, R. J. , Dubal, Z. B.	2010	Comparison of pathogenic microorganisms on poultry carcasses in organized slaughterhouse and retail outlet in and around Mumbai city	Journal of Muscle foods	21, 197-209.	7.40
81.	Bhandare, S., Paturkar, A. M., Waskar, V. S. and Zende R. J.	2010	Prevalence of microorganisms of hygienic interest in an organized abattoir in Mumbai. India	Journal of Infection in Developing Countries	4(7), 454-458	7.40
82.	Dhawale S. P., Zende R. J.* , Paturkar A.	2010	Prevalence of Salmonella Serovars in whole dressed	Journal of Veterinary Public Health	8(1) 37-39	3.33



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	M., Agarwal R. K., Dubal Z. B., Bute V. S. and. Chothe S. V,		chicken carcasses			
83.	Vaidya, V.M., Malik, S.V.S., Bhilegaonkar, K.N., Rathore, R.S., Kaur, Simranpreet and Barbuddhe, S.B.	2010	Prevalence of Q fever in domestic animals with reproductive disorders	<i>Comparative Immunology Microbiology and Infectious Diseases,</i>	33: 307–321.	8.00
84.	Kaur, Simran preet, Malik, S.V.S., Bhilegaonkar, K.N.; Vaidya, V.M. and Barbuddhe, S.B.	2010	Use of a phospholipase-C assay, in vivo pathogenicity assays and PCR in assessing the virulence of Listeria spp.	The Veterinary Journal	3: 366-370	8.30
85.	Bhandare, S. G.*, Paturkar, A. M., Waskar, V. S., Zende R. J.	2009	Bacteriological screening of environmental sources of contamination in an abattoir and the meat shops in Mumbai	Asian Journal of Food and Agro- Industry,	2(3)280-290	-
86.	Ludrik, S., Sherikar, A. T., Zende R. J.* , Paturkar, A. M.,	2009	Detection of Rabies virus antibodies in vaccinated and unvaccinated	Journal of Veterinary Public Health,	7(1) 71-73	3.33



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	Waskar, V. S and Kshirsagar, D. D.		stray dogs in Mumbai city			
87.	Patil A. R., Zende, R. J., Paturkar, A. M., Waskar, V. S., & Netake, M. D.	2008	Standardization of gas chromatography for detection of organochlorine residues in chicken egg	Journal of Veterinary Public Health	6(2) 99 – 101	3.33
88.	Barge R. S.*, Waskar, V. S., Sherikar, A. T., Paturkar, A. M., & Zende, R. J.	2008	Surveillance of bovine muscle and organ samples for the presence of residues of gentamycin sulfate by HPLC	Journal of Veterinary Public Health	6(2) 57-61	3.33
89.	Vaidya, V.M., Malik, S.V.S., Kaur, Simranpreet, Kumar, Satish and Barbuddhe, S.B.	2008	Comparison of PCR, immunofluorescence assay and pathogen isolation for diagnosis of Q fever in humans with spontaneous abortions.	Journal of Clinical Microbiology	46 (6): 2038-2044	12.10
90.	Dubal, Z. B., Paturkar, A. M., Waskar, V. S., Zende, R. J., Latha, C., and Vaidya, V. M.	2007	Comparative effect of organic acids and salts on some important microorganisms inoculated in goat meat stored at refrigeration temperature	Journal of Veterinary Public Health.	5(2) 85-91,	3.33
91.	Kulkarni D. S.*, Zende	2007	Standardization of Atomic	Journal of Bombay	15(1&2) 66-69	--



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	R. J., Paturkar, A. M., Waskar, V. S. & Waghamare , R. N.		Absorption Spectropho meter Techniques for detection of Lead & Cadmium in Bovine Milk	Veterinary College		
92.	Vaidya V. M., Paturkar, A. M., Waskar, V. S., Zende, R. J., & Zubal, Z. B. (2007).	2007	Analysis of sources of contaminatio n in organized poultry slaughterhous e	Indian Journal of Comparative Microbiology , Immunology and Infectious Diseases	28(1and2), 48-52	4.49
93.	Vaidya V. M., Paturkar, A. M., Waskar, V. S., Zende R. J., & Walse, S. H.	2007	Analysis of sources of contaminatio n in retail poultry outlets with reference to spoilage and pathogenic organisms	Journal of Veterinary Public Health	5(1) 13-19	3.33
94.	Bhandare, S. G., Sherikar, A. T., Paturkar, A. M., Waskar, V. S., Zende, R. J.	2007	A comparison of microbial contaminatio n on sheep/goat carcasses in a modern Indian abattoir and traditional meat shops	Food control	18(7), 854–858,	11.60
95.	Kaur, Simranpreet, Malik, S.V.S., Vaidya, V.M. and Barbuddhe, S.B.)	2007	Listeria monocytogen es in spontaneous abprtions in humans and its detection	Journal of Applied Microbiology ,	103: 1889-1896.	-



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			by multiplex PCR			
96.	Vaidya, V.M.; Paturkar, A.M.; Waskar, V.S. and Zende, R.J.	2006	Assessment of bacterial flora on poultry carcass sites procured from retail outlets in Mumbai city	Feed info News Service Global Data Systems Scientific Reviews., 2006		-
97.	Paturkar A. M.*, Zende, R. J. , Nanaware, S. R. & Kadam, A. B.	2006	Standardization of methods for detection of Tetracyclines in animal origin food	Journal of Bombay Veterinary College,	14(1&2) 132-134, 2006	--
98.	Kadam, A. B.*, Waskar, V. S., Sherikar, A. T., Paturkar, A. M., Zende, R. J. , & Nnaware, S. R.	2006	Prevalence of indicator organisms in an organized pig slaughtering house	Journal of Bombay Veterinary College,	14(1&2) 128-130	--
99.	Barge R. S.*, Waskar, V. S., Sherikar, A. T., Paturkar, A. M., & Zende, R. J.	2006	Surveillance of muscles and organ samples of ovine and caprine for the presence of residues of Gentamicin sulfate by HPLC	Journal of Bombay Veterinary College	14(1&2) 41-47	--
100	Dubal Z. B.*, Paturkar, A. M.,	2005	Effect of food grade salts on inoculated <i>S. aureus</i> , <i>L.</i>	Journal of Veterinary Public Health	3(1) 1-6, 2005	3.33



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	Waskar, V. S., Zende R. J. , Latha, C., & Agav, N. B. (2005).		<i>monocytogen, E.coli, pseudomonas aeruginosa</i> in sheep/goat meat stored at refrigeration temperature			
101	Zende R. J.* , Sherikar, A. T., Paturkar, A. M. & Waskar, V. S.	2005	Detection of fraudulent practices in semicooked meat product using anti-adrenal BE sera in Immunodiffusion test & Counter Immunoelectrophoresis	Journal of Meat Science	3(1) 5-8	3.98
102	Paturkar, A. M.*, Waskar, V. S., Mokal, K. V. & Zende R. J.	2005	Anti-microbial drug residues in meat and their public health significance-a review	The Indian Journal of Animal Sciences	75(9) 1103-1111	6.20
103	Vaidya V. M.* , Paturkar, A. M., Waskar, V. S., Zende, R. J. & Rawool, D. B.	2005	Detection of indicator organisms on poultry carcass sites in an organized slaughterhouse	Journal of Muscle Foods,	(16) 289-297	-
104	Kadam A. B.*, Waskar, V. S., Paturkar, A. M., & Zende, R. J. (2005).	2005	Bacteriologic al assessment of pig carcass sites during the slaughtering process	The Indian Journal of Animal Sciences	75(2) 185-189	6.20



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105	Mokal, K.V., Sawant, A.D., Sherikar, A.T., Paturkar, A.M., Waskar, V.S.	2004	Liquid chromatographic confirmatory assay for determination of penicillin G in buffalo milk	Journal of Bombay Veterinary College	(12): 34-37.	--
106	Galdhar, C. N., Gaikwad, R. V., Samad, A., Keskar, D. V., Bhalerao, D. P., Dighe, D. G. & Zende R. J. *	2004	Bovine Udder and its Immunity: An Update	Journal of Remount Veterinary Corps,	42(4) 179-185,	2.10
107	Barge R. S.*, Waskar, V. S., Sherikar, A. T., Paturkar, A. M., & Zende R. J.	2004	Standardization of high-performance liquid chromatography technique for detection of gentamicin residues from animal tissues	Journal of Bombay Veterinary College	12 (1&2) 17-21	--
108	Dubal Z. B.*, Paturkar, A. M., Waskar, V. S., Zende, R. J. , Latha, R. D. B. & Kadam, M. M.	2004	Effect of food grade organic acids on inoculated <i>S. aureus</i> , <i>L. Monocytogenes</i> , <i>E.coli</i> , <i>S. typhimurium</i> in sheep/goat meat stored at refrigeration temperature.	Meat Science,	(66) 817-821	11.70



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109	Shaikh, N.A., Paturkar A. M., Sherikar, A.T., Waskar, V.S., Chattopadhyay, U.K., Latha, C., Munde, K.D., Pathare, N.S.	2003	Chemical Sprays as a method for improvement in microbiological quality and shelf life of fresh sheep and goat meats during refrigeration storage (5-70C).	Journal of Meat Science	(63): 339-344	3.98
110	Shaikh, N.A., Paturkar A.M., Sherikar, A.T., Waskar, V.S., Chattopadhyay, U.K., Latha, C.	2003	Keeping quality of Buffalo Meat treated with salts combination spray and stored at refrigeration temperature (5-700C).	The Buffalo Journal	(1): 109-115	--
111	Paturkar A. M*, Waskar, V.S. Zende, R. J., & Nanaware, S.R.	2003	Occurrence of yeasts and molds on poultry carcass sites in unorganized sector	Journal of Bombay Veterinary College	11(1&2) 15-17	--
112	Walse, S. H., Paturkar A. M.*, Sherikar, A. T., Waskar, V. S., Zende, R. J., Vaidya, V. M.	2003	Prevalence of Listeria spp. From mutton and chevon	Journal of Veterinary Public Health	1(1)65-68	3.33
113	Zende R. J.* , Sherikar, A. T.,		Use of species Anti-adrenal BE sera for differentiation	Journal of Veterinary Public Health,	1(1) 63, 2003	3.33



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	Paturkar, A. M. & Waskar, V. S.		n of body fluids & organs of common food animals by employing Immuno precipitation Test			
114	Walse S.H.*, Paturkar, A.M., Sherikar, A.T., Waskar, V.S., Zende, R.J., Vaidya V.M.	2002	Isolation of Listeria spp. From beef and buffalo meat	Journal of Bombay Veterinary College,	10 (1&2) 40-41,	--
115	Upasana, Y., Zende, R. J., & Sharma, P. C.		Occurrence of Salmonella in some dehydrated vegetable samples	Indian Journal of Microbiology	40(3) 207-209, 2000	8.10
116	Bhide,M.R. , Paturkar A. M.,Sherikar, A.T. and Waskar, V.S.	2001	Presensitization of microorganisms by acid treatments to low dose gamma irradiation with special reference to Bacillus cereus	Journal of Meat Science	2001 (58):253-258.	6.20
117	Dubal Z.B., Paturkar, A.M., Sherikar, A.T., Waskar, V.S.,	2000	Studies on effect of hot water on initial microbial load of	Journal of Bombay Veterinary College,	9(1&2) 3-7	--



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	Zende, R.J., & Nanaware, S.R.		sheep/goat carcasses			
118	Zende, R. J., Sherikar, A. T., Paturkar, A. M., Waskar, V. S.	2000	Studies on Identification of Adulteration in Raw Market Meat by Employing Serological Techniques	Journal of Bombay Veterinary College,	8(1/2) 39-41	--
119	Sherikar A. T., Zende R. J., Waskar V. S., Paturkar A. M. & Das A. M.	1996-1998	Development of Test for Rapid Identification of Meat (TRIM)	Journal of Bombay Veterinary College	6(1) 77-78,	--
120	Paturkar A.M., Sherikar, A.T., Jayarao, B.M., Khot, J.B., Verma, J.C. and Gupta, B.R.	1989	Isolation of <i>Salmonella mbandaka</i> : First record from beef in India	Indian Veteterinary Medical Journal	(13): 123-124	--
121	Paturkar A.M., Sherikar, A.T. and Tarawate, B.G.	1991	Performence of enrichment and plating media and Lysin Iron Cystine Neutral Red Broth in the Isolation of Salmonella from meats and sea foods	Journal of Bombay Veterinary College	(3): 7-13.	--
122	Paturkar A.M., Sherikar, A.A. and	1992	Prevalence of Salmonella in meats and sea	Journal of Food Science and Technology	(29): 243-245.	--



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	Jayarao, B.M.		food of Bombay City.			
123	Kulkarni,N. M., Sherikar,A. T., Sherikar,A. A., Tarwate,B. G., Paturkar A.M. and Murugkar, H.V.	1992	Incidence of <i>Campylobact er jejuni</i> in chicken and their carcasses sold at Bombay City.	Indian Journal of Animal Science	(62):1024-1027.	6.20
124	Tarwate,B. G., Sherikar,A. T., Murugkar, H.V. and Paturkar A. M.	1993	Studies on the levels of microbial contaminatio n of carcass sites in a buffalo Slaughterline.	Indian Veterinary Medical Journal	(17): 33-35.	--
125	Murugkar, H.V., Sherikar,A. T., Paturkar A.M. and Tarwate, B.G.	1993	Studies on the microbiologic al quality of meat products with special reference to the Bacterial flora on public health implication.	Journal of Applied Animal Research	(4): 91-97.	7.3
126	Waskar,V.S , Sherikar, A.T. and Paturkar A. M.	1994	Application of resazurin reduction test for estimation of buffalo meat quality.	Journal of Bombay Veterinary College	(5): 1-10.	--
127	Paturkar A. M. , Sherikar, A.T., Murugkar, H.V.	1995	Isolation of salmonella from meat, blood, faeces, bile and lymphnodes of different	Indian Journal of Animal Science	(65): 393-395.	6.20



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			species of animals.			
128	Borse P.D., Sherikar A.T., Waskar V.S. and Paturkar A. M.	1998	Microbiological analysis of carcass sites in sheep slaughter line at Deonar abattoir.	Indian Veterinary Journal	(75):141-143.	4.99
129	Waskar V.S., Sherikar, A.T., Murugkar H.V., Paturkar A.M.	1998	Microbiological profile of raw, semi-processed pork products and ingredients used in manufacture of processed pork products.	Indian Journal of Comparative Microbiology , Immunology and Infectious Diseases	(19): 118-120	4.49
130.	S.S. Teltumbade, A.T. Sherikar, V.S. Waskar & A.A. Sherikar	1994	Studies on detection of residual penicillins in meat employing <i>Bacillus stearothermophilus</i> disc assay.	Indian J. Anim. Sci.	1994 Vol. 64 (7) 774-777	6.23
131.	P.D. Borse, A.T. Sherikar, V.S. Waskar & A.M. Paturkar	1998	Microbiological analysis of carcass sites in sheep slaughterline at Deonar abattoir.	Indian Vet. J.	1998 Vol. 75 141-143	4.42
132.	M.R. Bhide, A.M. Paturkar, A.T. Sherikar & V.S. Waskar	1999	Effect of low dose gamma irradiation on shelf life and microbiological quality of sheep/goat meat.	The J. Bombay Vet. Coll. Vol. 7 (1&2), 8-12	The J. Bombay Vet. Coll. Vol. 7 (1&2), 8-12	2.67
133.	M.R. Bhide, A.M. Paturkar,	2001	Presensitization of microorganisms by acid	Meat Science	2001 Vol. 58 253-258	9.48



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	A.T. Sherikar & V.S. Waskar		treatments to gamma irradiation with special reference to <i>B. cereus</i> .			
134.	S.D. Sontakke, S.B. Majee, A.T. Sherikar, V.S. Waskar , A.A. Sherikar & N. Sambasivan	2001	Effect of gamma irradiation and organic acids on Foot-and-mouth disease virus in buffalo meat	Indian J. Comp. Microbiol. Immunol. Infect. Dis.	2001 Vol. 22 (1), 33-35	4.49
135.	S.H. Walse, A.M. Paturkar, A.T. Sherikar, V.S. Waskar & V.M. Vaidya	2002	Isolation of <i>Listeria</i> spp. From beef and buffalo meat.	The J. Bombay Vet. Coll. Vol. 10 (1&2), 40-41	The J. Bombay Vet. Coll. Vol. 10 (1&2), 40-41	2.67
136.	S.H. Walse, A.M. Paturkar, A.T. Sherikar, V.S. Waskar & V.M. Vaidya	2003	Prevalence of <i>Listeria</i> spp. In mutton and chevon.	J. Vet. Pub. Hlth.	2003 Vol. 1 (1) 65-68	4.44
137.	N.A. Shaikh, U.K. Chattopadhyay A.T. Sherikar, V.S. Waskar , A.M. Paturkar, C. Latha & N.S. Pathare	2003	Chemical sprays as a method for improvement of microbiological quality and shelf life of fresh sheep and goat meats during refrigeration storage (5-7°C).	Meat Science	2003 Vol. 63 339-344	9.48
138.	S.S. Dali, V.S. Waskar ,	2004	Seroprevalence of tubercle bacilli in cattle and buffaloes in	The J. Bombay Vet. Coll. Vol. 12(1&2), 62	The J. Bombay Vet. Coll. 12(1&2), 62	2.67



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	A.M. Paturkar, A.A. Sherikar & N.V. Wagh		and around Mumbai city.			
139.	A.T. Sherikar & V.S. Waskar	2005	Emerging zoonoses and social- economic impact in India – A review. (Invited review article)	Indian J. Anim. Sci.	2005 Vol. 75 (6) 700-705.	6.23
140.	A.B. Kadam, V.S. Waskar , A.T. Sherikar, A.M. Paturkar & S.R. Nanaware	2006	Prevalence of indicator organisms in an organized pig slaughterhouse .	The J. Bombay Vet. Coll. Vol. 14 (1&2), 128-130	The J. Bombay Vet. Coll. Vol. 14 (1&2), 128- 130	2.67
141.	N.V. Wagh, A.M. Paturkar, V.S. Waskar & S.S. Dali	2007	Standardization of high performance liquid chromatography (HPLC) method for the detection of chloramphenicol residue from tissues of common food animals.	J. Vet. Pub. Hlth.	2007 Vol. 5 (1) 1-7	4.44
142.	P.P. Gosavi, A.T. Sherikar, A.M. Paturkar & V.S. Waskar	2009	Effect of chlorinated water spray on microbiological quality and shelf life of mutton at refrigerated storage.	J. Vet. Pub. Hlth.	2009 Vol. 7 (2) 117-121	4.44
143.	C. Latha, A.T. Sherikar, V.S. Waskar , Z.B. Dubal &	2009	Sanitizing effect of salts on experimentally inoculated organisms on pork carcasses.	Meat Science	2009 Vol. 83 (4) 796-799	9.48



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	S.N. Ahmed					
144.	V.J. Jadhav and V.S. Waskar	2011	Public health implications of pesticide residues in meat. (Review article)	Veterinary World	2011 Vol. 4 (4) 178-182	5.71

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine
1	Dr. R. J. Zende	१३ – १४ नवम्बर २००९	सुरक्षित मांस उत्पादन	स्मारिका ग्रामीण उन्नयन में कृषी प्रसंस्करण उद्योग की भूमिका राष्ट्रीय संगोष्ठी
2	Dr. R. J. Zende	२८ – २९ जनवरी २०१४	भैस कसाईखाना सह—उत्पाद से निर्मित मूल्यवान सूखे कानों का सामान्य तापमान पर भंडारण कर रखरखाव का अध्ययन	स्मारिका राष्ट्रीय संगोष्ठी खाद्य प्रसंस्करण एवं प्रबंधन उद्यमियों के लिए स्वरोजगार की संभावनाएं
3	Dr. R.J. Zende	2015	सामान्य तापमानपर संधटन किये जानेवाले किण्वित सुअर के मांस से बनाए गए सॉसेजेस के समान तत्वों कि गुणवत्ता का अध्ययन	हिंदी संगोष्ठी
4	Dr. R.J. Zende	11-07-2015	लेप्टोस्पायरोसिसचा प्रतिबंध	इंडियन एक्सप्रेस
5	Dr. R.J. Zende	31-05-2016	भौतिक, रासायनिक, जैविक घटक ठरवितात दुधाची गुणवत्ता,	सकाळ अँग्रोवन
6	Dr. R.J. Zende	06-07-2016	रोखा जनारवरांतील आजाराचा माणसांत होणारा प्रसार	सकाळ अँग्रोवन
7	Dr. R.J. Zende	26-11-2016	गरज स्वच्छ दुध निर्मितीची	सकाळ अँग्रोवन
8.	Dr. V.M. Vaidya Dr. R.J. Zende	2020	Personnel Hygiene in	BOOKLET



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			English and Marathi	
9.	Dr. V.M. Vaidya Dr. R.J. Zende	2020	COVID-19 in English and Marathi	BOOKLET

6. Research Recommendations

Sr. No.	1.
Year	2023-24
Project Title	Detection of selected heavy metal residues and its quantification in eggs using inductively coupled plasma mass spectrometry.
Investigators	Dr. Magri Bagang, Dr. V.M. Vaidya and Dr. R.J. Zende
Recommendations	The standardized Inductively Coupled Plasma Mass Spectrometry technique is recommended for the detection of heavy metals (viz. mercury, arsenic, lead and cadmium) residues up to 0.1 ppb and quantification up to 0.5 ppb in egg samples.
Sr. No.	2.
Year	2023-24
Project Title	Detection of selected pesticide residue in chicken meat using liquid chromatography-tandem mass spectrometry (LC-MS/MS).
Investigators	Dr. Nair Aishwarya Sivaraman, Dr. V.M. Vaidya and Dr. R.J. Zende
Recommendations	The standardized and validated Liquid Chromatography-Tandem Mass Spectrometry technique is recommended for the detection up to 5 ppb and quantification up to 10 ppb of organophosphates, carbamates and pyrethroids pesticide residues in poultry meat samples.
Sr. No.	3.
Year	2020-21
Project Title	Indirect-ELISA kit for diagnosis of hydatidosis in cattle
Investigators	Dr. V.M. Vaidya, Dr. R. J. Zende, Dr. A. M Paturkar
Recommendations	The standardized and validated indirect- Enzyme Linked Immuno Sorbent Assay having sensitivity (95.45%) and specificity (92.21%) is recommended for the sero-diagnosis of hydatidosis in cattle
Sr. No.	4.
Year	2019-20
Project Title	Detection of <i>Trichinella</i> Species in Pigs and Rodents by Artificial Digestion and Real-time PCR Assays
Investigators	O. M. Khadilkar, Dr. V.M. Vaidya , Dr A M Paturkar, Dr R. J. Zende
Recommendations	Standardized Real-time PCR assay is recommended for detection of <i>Trichinella</i> species in tissue samples of pigs and rodents



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Sr. No.	5.
Year	2019-20
Project Title	The effect of electron beam irradiation on microbiological qualities of modified atmospheric packaged raw chicken stored at refrigeration temperature
Investigators	P. A. Jangale, Dr. V.M. Vaidya , Dr A M Paturkar, Dr R. J. Zende
Recommendations	Electron beam irradiation at the dose rate of 3.0 kGy for raw chicken packaged using MAP is recommended for the shelf life extension upto 20 days at refrigeration temperature.
Sr. No.	6.
Year	2019-20
Project Title	The effect of electron beam irradiation on quality attributes of chicken products stored at refrigeration temperature
Investigators	S. A. Rane, Dr. V.M. Vaidya , Dr A M Paturkar, Dr R. J. Zende
Recommendations	Electron beam irradiation at the dose rate of 4.5 kGy for chicken nuggets and chicken patties is recommended for the shelf life extension upto 39 days at refrigeration temperature.
Sr. No.	7.
Year	2018-2019
Project Title	Standardization of Flow Through Assay for Sero-Diagnosis of Hydatidosis in Buffaloes
Investigators	Dr. Sambhaji Sankpal, Dr. V.M. Vaidya , Dr. A.m. Paturkar, Dr. R. J. Zende , Dr. H.Y. Pallampalle
Recommendations	The developed Flow Through Assay (FTA) is recommended for the sero-diagnosis of Hydatidosis in buffaloes.
Sr. No.	8.
Year	2018-19
Project Title	Risk assessment of <i>Salmonella</i> spp. in Chicken Meat Production.
Investigators	Dr. R. N. Waghmare, Dr A.M. Paturkar, Dr. R.J. Zende, Dr. V.M.Vaidya
Recommendations	It is recommended that the litter at farm level, and defeathering and evisceration in chicken meat production chain are considered to be high risk stages for the occurrence of <i>Salmonella</i> spp.
Sr. No.	9.
Year	2018-19
Project Title	Standardization of multiresidue method for detection of selected organochlorine pesticide residues and its quantification in meat and fish
Investigators	Dr. Netra Aswar, Dr. A.M. Paturkar, Dr. R.J. Zende, Dr. V. M. Vaidya



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Recommendation	It is recommended to use Quick, Easy, Cheap, Effective, Rugged, and Safe (QuEChERS) method for the extraction of organochlorine pesticide residues from meat.
Sr. No.	10.
Year	2018-19
Project Title	Effect of electron beam irradiation on survival of common food pathogens in pork and studies on shelf- life of raw pork at refrigeration temperature
Investigators	Dr. R.S Khillare, Dr. A. M. Paturkar, Dr. R. J. Zende and Dr V M Vaidya
Recommendations	1. It is recommended to use 3.0 kGy dose for individual selected gram-positive bacteria (viz. <i>Staphylococcus aureus</i>, <i>Listeria monocytogenes</i>, <i>Bacillus cereus</i> and <i>Bacillus subtilis</i>) and gram-negative bacteria (viz. <i>Klebsiella pneumoniae</i>, <i>Pseudomonas aeruginosa</i> and <i>E. coli</i>) for microbial log reduction in pork salami. 2. It is recommended to use 1.0 kGy dose of electron beam irradiation to reduce <i>Salmonella</i> Typhimurium and <i>Salmonella</i> Enterica organisms from pork salami. 3. It is recommended to expose raw pork samples to electron beam irradiation at the dose rate of 4.5 kGy for shelf-life extension of upto 18 days at refrigeration storage temperature (0-4°C).
Sr. No.	11.
Year	2017-18
Project Title	Effect of electron beam irradiation on different pork products stored at refrigeration temperature
Investigators	Dr. D. Prabhakar and Dr. R. J. Zende
Recommendations	Electron beam irradiation at dose rate of 4.25 kGy is recommended for shelf-life extension of pork sausages and salami upto 27 and 29 days, at refrigeration storage respectively.
Sr. No.	12.
Year	2014-15 and 2015-16
Project Title	Quality Evaluation of ham and chicken salami packaged using Vacuum and MAP
Investigators	
Recommendations	The ham and chicken salami packed with any of EVOH or Nylon based or Cryovac packaging materials can be stored for 6 weeks using vacuum packaging and 7 weeks using MAP (70% Nitrogen, 30% CO ₂) system at refrigeration storage than ordinary packaging method for three weeks.
Sr. No.	13.
Year	2012-13



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Project Title	Establishment and demonstration of model retail outlet for chicken
Investigators	Dr. R. J. Zende, Dr. V. M. Vaidya
Recommendations	The newly developed model retail chicken outlet suitable for production of hygienic and wholesome chicken meat therefore it is recommended for local retail chicken shop owners
Sr. No.	14.
Year	2012-13
Project Title	Assessment of Microbiological Quality and Shelf-life Studies of Buffalo and Goat Meat Packed using MAP and Stored at Refrigeration Temperature
Investigators	Dr. R. J. Zende, Dr. V. M. Vaidya
Recommendations	The buffalo and goat meat can be stored at refrigeration temperature using MAP with gas mixture 70% O ₂ +20% CO ₂ +10% N ₂ or 80% O ₂ + 20% CO ₂ , respectively for 6 and 8 days more than ordinary packaging (3-5 days) method.
Sr. No.	15.
Year	2012-13
Project Title	Studies on Evaluation of Shelf life for Boiled Egg Packed under MAP condition and stored at chilling temp.
Investigators	Dr. R. J. Zende, Dr. V. M. Vaidya
Recommendations	Cryovac packaging material with gaseous mixture (80% CO ₂ and 20% N ₂) is recommended for storage of hard boiled eggs at refrigeration storage (0-4 °C) to extend shelf life of hard boiled eggs.
Sr. No.	16.
Year	2011-12
Project Title	Quality evaluation of shelf-stable fermented pork sausages
Investigators	-
Recommendations	Pedicoccus pentosaceus at 180mg/kg and glucono deltalactone at 1% in meat emulsion are recommended as an acidulent during the preparation of fermented pork sausages having shelf life of 75 days with acceptable microbial, physicochemical, nutritional and sensory attributes of the products at ambient storage temperature.
Sr. No.	17.
Year	2011-12
Project Title	Establishment and demonstration of model retail outlet for chicken
Investigators	-
Recommendations	The newly developed model retail chicken outlet was found suitable for the production of hygienic and wholesome chicken therefore, it is recommended for local retail chicken shop owners.
Sr. No.	18.
Year	2010



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Project Title	Detection and quantization of Organochlorine, organophosphate and synthetic pyrethroids in meat
Investigators	Dr. R. J. Zende
Recommendations	The multi-residue gas chromatography – electron capture detector (GC-ECD) and Gas chromatography – Flame Therm ionic detector (GC-FTD) methods are recommended for simultaneous detection of selected Organochlorine, organophosphate, and synthetic pyrethroids in the meat of common food animals.
Sr. No.	19.
Year	2010
Project Title	Study on efficacy and validation of poly hexa methylene guanidine for carcass sanitation and effect on shelf-life.
Investigators	Dr. R.S. Barge
Recommendations	Poly Hexa Methylene Guanidine (PHMG) at a concentration of 65 pm with 15-minute contact period is recommended for sanitation of buffalo and chicken carcasses.
Sr. No.	20.
Year	2010
Project Title	A comprehensive study on quality and safety of raw shell eggs from commercial layers farms and different markets.
Investigators	Dr. C. B. Madhavprasad
Recommendations	The shelf life of shell eggs at ambient storage without any treatment was less than 15 days and a treatment groups, it was about 30 days with acceptable Haugh unit values as per USDA consumer grade qualities. The refrigeration storage extended or even preserved the original internal quality attributes of freshness, albumin and yolk quality plus the microbiological quality barely enough for the observed period of six months.
Sr. No.	21.
Year	2010
Project Title	Effect of different thawing methods on physicochemical methods, sensory and microbiological qualities of chicken meat.
Investigators	Dr. S. V. Chothe
Recommendations	The microwave oven thawing method was found to be the best alternative methods for the thawing of frozen chicken meat as compared to the hot air oven and refrigeration thawing method and 60% percent power level offered maximum benefits in terms of microbiological qualities.
Sr. No.	22.
Year	2009
Project Title	Detection of nimesulide residues in milk and meat by HPLC.
Investigators	-



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Recommendations	HPLC is useful tool for the detection of nimesulide residues at 500pp or above level in milk and meat samples. Milk and meat should not be consumed within 12 hours of intramuscular nimesulide administration.
Sr. No.	23.
Year	2008
Project Title	Molecular characterization of selected foodborne pathogens isolated from processed meat products.
Investigators	-
Recommendations	PCR technique employing selected known primers targeting gene sequence of pathogens viz. <i>S.aureus</i> , <i>E.coli</i> , <i>A.hydrophila</i> , <i>L. Monocytogens</i> , and <i>Salmonella</i> spp. is recommended for the detection of food pathogens in the naturally contaminated meat and meat product sample with or without enrichment of samples.
Sr. No.	24.
Year	2002
Project Title	Detection of antibiotic residues in food of livestock origin and poultry
Investigators	-
Recommendations	1. Bioassay using B- stearothermophilus can be recommended for screening of antimicrobial residues from foods of animal origin. 2. HPTLC techniques employing RP₁₈ TLC plate and methanol: acetonitrile:0.5 mg per kg oxalic acid (1:1:4), pH 2 as mobile phase is recommended for detection and semi-quantitation of tetracycline residues from food of livestock origin 3. Silica GF₂₅₄ TLC plate and chloroform:tert.butanol(60:40) as a mobile phase is recommended for detection and semi-quantitation of sulphonamide residues. 4. For quantitation of drug residue by HPLC, the RP₁₈ column is recommended for detection of tetracycline and sulphonamide group of residues. Methanol: acetonitrile: 0.01 mg/kg oxalic acid (5: 15: 80) for tetracycline and 0.05 mg/kg sodium dihydrogen phosphate: acetonitrile(9:1), pH 4.5 for sulphonamide group of residues are recommended.
Sr. No.	25.
Year	2002
Project Title	Detection, identification and quantitation of hormonal residues in meat, milk and organs.
Investigators	-
Recommendations	1. Competitive ELISA method employing anti-serum against testosterone-3 oxime BSA and antiserum against 31 -11 alpha-hydroxy progesterone tetanus toxoid is recommended for detection of testosterone and progesterone residues, respectively for detection of hormonal residues from animal tissues well below the specified safe level / MRL.



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	2. HPTLC techniques employing silica gel 60 F₂₅₄ and diethyl ether: toluene: L- butanol 98.5: 1: 0.5) as a mobile phase is recommended for detection and differentiation of testosterone and progesterone residues. 3. For quantitation of hormonal residues by HPLC, C₁₈ inertsil ODS - @column is recommended for detection of testosterone and progesterone residues. The mobile phase containing acetonitrile: methanol: water (28: 28:44) for testosterone and acetonitrile: methanol: water (34: 34:32) for progesterone is recommended.
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4. MOU signed by the Colleges

Sr. No.	MOUs with	Date of signing	Place	Duration
Participated in signing National MoU				
1	Vista Processed Foods Pvt. Ltd. with MVC	10.06.2008	MIDC, Taloja	2008-2011
2	Indian Institute of Packaging (IIP), Govt of India, Ministry of Commerce E2, MIDC, Andheri, East, Mumbai with MVC	23.01.2013	MIDC, Andheri, East, Mumbai	2013-2016
3	Vista Processed Foods Pvt. Ltd.	25.07.2016	Taloja	2015-2018
4	Vista Processed Foods Pvt. Ltd.	19.07.2019	Taloja	2019-2022
5	Vista Processed Foods Pvt. Ltd.	25.08.2022	Taloja	2022-2027
6	Poultry Breeder Co-ordination Association	17.08.2023	Pune	2023-2026
Participated in signing International MoU				
7	Washington State University, USA	01.02.2021	USA	2023-2025
8	Penn State University, USA	09.10.2020	USA	2021-2026
9	Texas Tech University, USA	10.02.2023	USA	2023-2028
10	University of Veterinary Medicine and Pharmacy in Kosice, Slovakia (UVMP)	06.07.2023	Slovakia	2023-2028
11.	The Istituto Zooprofilattico Sperimentale della Sicilia. "A MIRRI at Via Gino Marinuzzi 3 - 90129 Palermo, Italy	25.07.2023	Italy	2023-2028

8. Research Priorities / Thematic areas: **Department of VPH**
- Chemical Residue Analysis in Animal Origin Foods (02)
 - One Health and Zoonoses (01)
 - Post-Harvest Engineering and Technology (01)
 - Food Safety and Antimicrobial Resistance (01)

9. Significant Research Achievement:



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Sr. No.	Achievements	Description
1	Patents Awarded (03) Patents Filed (01)	1. INDIRECT-ELISA KIT FOR THE DETECTION OF HYDATIDOSIS IN CATTLE Patent No : 416846 Application No :195/MUM/2015 Applicants: Director of Research, Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur Inventors: Dr. Vilas M. Vaidya, Assistant Professor, VPH, MVC Dr. Ravindra J. Zende, Associate Professor, VPH, MVC Dr. Ashish M. Paturkar, Professor and Head, VPH, MVC Dr. Ashok Kumar, ADG ICAR Dr. Charushila Raut, SRF 2. Title: RETAIL CHICKEN SLAUGHTER UNIT Patent No : 420269 Application No: 1824/MUM/2014 Applicants: Director of Research, Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur Inventors:Dr. Ravindra J. Zende, Associate Professor, VPH, MVC Dr. Vilas M. Vaidya, Assistant Professor, VPH, MVC Dr. Ashish M. Paturkar, Professor and Head, VPH Dr. Dinesh Chavhan, Scientist 3. Title: CHONDROITIN SULPHATE FROM BUFFALO CARTILAGE Patent No : 437845 Application No : 201721004162 Applicants: Director of Research, Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur Inventors:Dr. Ravindra J. Zende, Associate Professor, VPH, MVC Dr. Ashish M. Paturkar, Professor and Head, VPH, MVC Dr. Vilas M. Vaidya, Assistant Professor, VPH, MVC Dr. Rupesh N. Waghmare, Assistant Professor Dr. Rajesh Wagh, Scientist



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		4. Patent filed: SERO DIAGNOSIS OF CYSTICERCOSIS IN PIGS USING FLOW THROUGH ASSAY Application Number: 201821012447 Date of Filling: 02/04/2018 Applicants: Director of Research, Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur Inventors-V.M. Vaidya, R. J. Zende, A.M. Paturkar, R.N.Waghmare, R. Shende, S Bhawe
2	Breed Registration	Nil
3	IPR	Nil
4	Copyright	Nil
5	Trademark	Nil