

## Research: **Veterinary Pathology**

### 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	Impact of micronutrients on hormonal profile and productivity status of Buffaloes	Dr. V. P. Pathak Dr. M. V. Joshi  Co- Principle Investigator	ICAR Ad-hoc, New Delhi	17.68	Extra-mural	Completed	2003 to 2007
2	Assessment of mineral profile relationship of animals, soil, feeds, and fodders in Maharashtra for improvement of livestock production	Dr. V. P. Pathak Co- Principle Investigator	State Department of Animal Husbandry, Pune Government of Maharashtra	1749	Extra-mural	Completed	2008-2012
3	Epidemiological study of animal hydatidosis by PCR	Dr. R. S. Ingole Principle Investigator	SERB, DST, New Delhi	22.38	Extra-mural	Completed	2012-2015
4	Pathological and molecular study on bovine respiratory syncytial virus (BRSV) infection in bovines	Dr. B. P. Kamdi Principle Investigator	MAFSU, Research grant	02	Intra-mural	Completed	2023-24

### 2. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost (Rs in Lakh)	Extra-mural / Intra-mural	Status (Completed/ Ongoing)	Duration
1	Hepatoprotective effect of polyherbal formulation on paracetamol induced liver damage in broiler chicks” sponsored by Ayurvet ltd for total outlay of 1.41 lakh	Dr P. R. Rathod	Ayurvet Limited, Distt. Solan, H.P.	1.41	Extra-mural	Completed	2017-2018
2	Studies on efficacy of some herbal products for	Dr P. R. Rathod	Ayurvet Limited,		Extra-mural	Completed	15-01-2020 to

	control of mycoplasmosis in commercial broilers		Distt. Solan, H.P.	1.87			31-03-2021
4	Evaluation of efficacy of some phyto-genic formulations at improving performance and immune functions in heat stressed broilers	PI- R. S. Ingole	Ayurved Ltd., Baddi (HP)	3.23	Extra-mural	Completed	01-01-2022 to 30-06-2023

## 2. Research Priorities:

Sr . No .	Research Area	Aim	Objective	Benefits of Farmers
1	Toxicopathology of drugs,chemicals,pytochemicals and toxicants in laboratory animals/small and large ruminants and poultry	To study toxicopathology of drugs,chemicals,pytochemicals and toxicants	To study toxicopathology of drugs,chemicals,pytochemicals and toxicants	The generated knowledge would be helpful in prevention of toxicities and various diseases & impliment therapeutic strategies
2	Pathology of infectious, non-infectious and neoplastic diseases of animals and birds	Knowing the incidence & pathology of neoplasm in animals	To study pathology of neoplasm in animals	

## 3. Thesis:

Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	P.S. Lonkar	Studies on experimental salt poisoning in broilers.	1975	B.L. Purohit
2	V.V. Pande	Histopathological studies on morbid tissue collected during necropsy of laboratory animal.	1975	B.L. Purohit
3	N.M. Degloorkar	Clinicopathological studies on experimental chronic post hemorrhagic anemia in sheep.	1976	B.L. Purohit
4	A.G. Bhandakar	Clinicopathological studies on Spirochaetosis caused by an	1977	B.L. Purohit

		immunological variant.		
5	S.T. Gharote	Gross and histopathological studies on morbid liver encountered in slaughtered sheep and goat.	1978	B.L. Purohit
6	M.V.Joshi	Comparative study of aortic lesions in slaughtered cattle and buffaloe.	1979	B.L. Purohit
7	V.K. Ozal	Some observations on visceral lymphomatosis in Deshi fowl.	1979	D.L. Paikne
8	A.G. Ganorkar	Studies in ovaries collected from slaughtered buffaloes.	1980	D.L. Paikne
9	A.K.Thatoo	Studies on intrahepatic injection of zinc salt as chemical carcinogen.	1981	B.L. Purohit
10	Miss.K.Sharan	Experimental studies on the effect of high energy diets on liver and kidney of layers.	1981	D.L.Paikne
11	V.P. Pathak	A comparative study of diet containing different energy levels on livers of layers.	1982	D.L. Paikne
12	K.K. Wahane	Studies on alloxan toxicity in fowls.	1984	S.S. Bhagwat.
13	S.H. Suryawanshi	Clinicopathological investigation of cotton seed cake (Gyssopol) toxicity in male buffaloe calves.	1988	S.S. Bhagwat
14	D.T. Deshmukh	Studies on toxicity and immunosuppression by residual pesticides in chicks.	1989	S.S. Bhagwat
15	N.V. Kurkure	Studies on toxicity and immunosuppressive effect of endosulphan in chicks.'	1990	A.G. Bhandarkar
16	S.W. Dhote	Gross and histopathological studies on morbid livers in slaughtered cattle and buffaloes.	1990	M.V. Joshi
17	A.D. Ingle	Pathology of oxalate toxicity in livestock with special reference to	1992	S.S. Bhagwat

		experimental toxicity in buffalo calves.		
18	Miss. Sadhana Patil	Toxicopathology of Nitrate-Nitrite with special reference to experimental toxicity in buffaloe calves.	1992	S.S. Bhagwat
19	D.B. Deshmukh	Studies on pathology of retained placenta in dairy animals.	1993	S.S. Bhagwat
20	V.K. Dhoke	Study of gross and microscopic lesions of bursal disease outbreaks in Vidarbha Region.	1994	S.S. Bhagwat
21	V.N. Dhage	Pathology of cardiac sarcocyst in ruminants.	1995	A.G. Bhandarkar
22	Miss. M.R. Joshi	Toxicopathological studies on feeding of black sorghum to broiler. IAVP Best M.V.Sc. Research Award – 1997	1995	M.V. Joshi
23	P.G. Rawale 9423126150	Clinicopathological studies in tuberculin positive cattle.	1996	A.G. Bhandarkar
24	A.T. Thaware	Effect of age and different routes of New Castle disease vaccination (Lasota strain) on haemagglutination inhibition titres in chicks.	1996	A.G. Bhandarkar
25	Miss. N.N. Navangul	Pathology of chronic experimental hydro cyanic acid (HCN) toxicity. IAVP Young Scientist Award -1996	1996	M.V. Joshi
26	S.N. Mehetre	Pathology of experimental urea toxicity in goats.	1997	M.V. Joshi
27	A.M. Deogade	Studies on sheep and goat mastitis with special reference to incidence and pathomorphology.	1998	M.V. Joshi
28	P.M. Chede	Studies on experimental induced aflatoxicosis in broilers.	1998	V.P. Pathak
29	V.V. Deshmukh	Pathology of mastitis with special reference to changes in milk and teat	1999	M.V. Joshi

		canal in goats.		
30	R.B. Sonone	Pathology of mammary gland and regional lymph node in goats.	1999	V.P. Pathak
31	P.G. Satpute	Studies on histopathological lesions encountered in the mammary glands of slaughtered buffaloes.	2000	M.V. Joshi
32	Y.S. Lambhate	Studies on thyroid gland of slaughtered sheep and goats with special reference to T3 and T4 values.	2000	V.P. Pathak
33	V.K. Bhoskar	Evaluation of T3 and T4 levels in relation to performance of broilers and pathology of thyroid.	2001	V.P. Pathak
34	U.B. Deore	Effect of Neem oil supplementation in broilers with reference to Histopathology and immunopathology.	2002	M.V. Joshi
35	R.S. Ingole	Clinico and Histopathological observation in slaughtered buffalo with special reference to thyroid gland and reproductive organs.	2002	V.P. Pathak
36	D.R. Rajgude	Experimental studies on supplementation of Goitrogen in broiler	2003	V.P. Pathak
37	R.M. Patil	Studies on Neem Oil supplementation in broiler with special reference to Histopathological changes in thyroid and visceral organs.	2003	M.V. Joshi
38	A.K. Kolhe	Effect of Neem Oil supplementation in broilers with special reference to Immuno-pathological investigations.	2003	M.V. Joshi
39	V.M. Shelke	Reproductive status of buffaloes in correlation with thyroid status and serum magnesium and manganese profile.	2004	V.P. Pathak
40	P.S. Hushangabade	Clinical Pathology of bovines maintained in saline water area.	2005	M.V. Joshi

41	N.S. Pagrut	Reproductive and haematological status of buffaloes in correlation with serum iron copper and cobalt levels.	2005	R.S. Nehete
42	A.K. Tiwari	Reproductivity and immune status of broilers fed with 0.0005 per cent thiourea during summer.	2005	V.P. Pathak
43	S.M. Jatte	Alterations in the visceral organs of broilers fed with 0.0005 per cent thiourea and low energy diet during summer.	2005	V.P. Pathak
44	P.S. Gandhewar	Comparative study of liver in bullocks slaughtered in saline and normal water area.	2005	M.V. Joshi
45	S.A. Hemke	Comparative study of kidneys in bullocks slaughtered in saline and normal water area.	2005	M.V. Joshi
46	J.S. Khatik	Reproductive status in buffaloes and its correlation with selenium and zinc.	2005	V.P. Pathak
47	S.B. Wagh	Studies on lead toxicity in broilers with special references to immunopathological investigation	2006	Dr. M.V. Joshi
48	Senthilkumar. M.	Pathogenesis of Indian isolate of West Nile Virus infection induced in Golden Hamster ( <i>Mesocricetus auratus</i> ) weanlings	2006	Dr.V.P. Pathak
49	P.S. Deshmukh	Pathology of experimental lead toxicity in broiler	2006	Dr. M. V. Joshi
50	S.B. Satale	Early events in pathogenesis of Indian isolate of West Nile Virus in Golden Hamster ( <i>Mesocricetus auratus</i> )	2006	Dr.V.P. Pathak
51		Experimental lead toxicity in broilers with special references to	2006	Dr.

	Shafiqur Rahman	histopathological and immunopathological investigations		M.V.Joshi
52	R.P. Ghule	Toxicopathology of lead in japanes quails ( <i>Coturnix coturnix japonica</i> )	2007	Dr. M.V.Joshi
53	Miss. M.K. Giradkar	Pathology of thyroid and pancreas of broilers fed low energy diet with thiourea during summer	2007	Dr. V.P.Pathak
54	N. M. Bhojane	Effect of feeding low energy diet and thiourea during summer in broilers	2007	Dr. V. P. Pathak
55	D. B. kale	Toxicopathology of experimental lead toxicity in female rats ( <i>Rattus norvegicus</i> ) with special reference to changes in reproductive organs	2008	Dr. M. V. Joshi
56	M. G. Brahmankar	Pathology of experimental lead toxicity in male rats ( <i>Rattus norvegicus</i> ) with special reference to changes in reproductive organs	2008	Dr. M. V. Joshi
57	K. B. Biradar	Experimental Induction of Arsenic Toxicity in Quail ( <i>Coturnix coturnix japonica</i> )-A Histopathological Study	2008	Dr. V. P. Pathak
58	Miss. M. A. Gongle	EFFECT OF <i>Plumbago zeylanica</i> DURING LEAD TOXICITY IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> )	2009	Dr. M. V. Joshi
59	Miss. S. Y. Meshram	Toxicopathology of lead acetate and protective effect of <i>Plumbago zeylanica</i> in Japanese quails ( <i>Coturnix coturnix japonica</i> )	2009	Dr. M. V. Joshi
60	Miss.	Ameliorative effect of selenium in	2009	Dr. V. P.

	S. H. Ingle	arsenic fed quails		Pathak
61	S. V. Ther	EFFECT OF <i>Moringa oleifera</i> IN ARSENIC INDUCED TOXICITY IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> )	2010	Dr. V. P. Pathak
62	D. P. Autade	EFFECT OF <i>Allium sativum</i> linn. POWDER IN EXPERIMENTALLY INDUCED LEAD TOXICITY IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> )	2010	Dr. V. P. Pathak
63	Miss. Deshmukh S.V.	EFFECT OF <i>Emblica officinalis</i> FRUIT POWDER IN EXPERIMENTAL LEAD TOXICITY IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> )	2010	Dr. V. P. Pathak
64	Miss. Mahajan N. A.	EFFECT OF <i>Emblica officinalis</i> FRUIT POWDER IN EXPERIMENTAL ARSENIC TOXICITY IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> )	2010	Dr. V. P. Pathak
65	Miss. Hingade S. S.	PATHOLOGY OF EXPERIMENTAL LEAD TOXICITY AND EFFECT OF <i>Plumbago zeylanica</i> IN FEMAL RATS ( <i>Rattus norvegicus</i> ) WITH SPECIAL REFERENCE TO REPRODUCTIVE ORGANS	2011	Dr. M. V. Joshi
66	Kadam R. G.	EFFECT OF <i>PLUMBAGO ZEYLANICA</i> DURING EXPERIMENTAL LEAD TOXICITY IN RATS ( <i>Rattus norvegicus</i> ) WITH SPECIAL REFERENCE TO MALE REPRODUCTIVE ORGANS	2011	Dr. M. V. Joshi
67	Gondkar S. B.	ARSENIC INDUCED TOXICITY AND PROTECTIVE ROLE OF ASCORBIC ACID IN FEMALE RATS ( <i>Rattus norvegicus</i> )	2011	Dr. V. P. Pathak
68	Pagrut S. B	ARSENIC INDUCED TOXICITY AND PROTECTIVE ROLE OF ASCORBIC ACID IN MALE RATS	2011	Dr. V. P. Pathak



		(Rattus norvegicus)		
69	Baraskar,G.S 9860680928	METHYL PARATHION INDUCED TOXICITY IN FEMALE WISTAR RATS	2012	Dr. V. P. Pathak
70	Bendre M.U 9561697263	SUBACUTE LINDANE TOXICITY IN FEMALE WISTAR RATS	2012	Dr. M. V. Joshi
71	Murkar.A.R. 09033529768	COMPARATIVE STUDY OF INDUCED LINDANE AND PARAQUAT TOXICITY IN FEMALE WISTAR RATS	2012	Dr. V. P. Pathak
72	Sarode,A.P. 9767464406	TOXICOPATHOLOGY OF 2,4-DICHLOROPHENOXYACETIC ACID IN FEMALE WISTAR RATS	2012	Dr. M. V. Joshi
73	Lalruatfela,P.L. 08979121647	PATHOLOGY OF EXPERIMENTAL PARAQUAT TOXICITY IN FEMALE WISTAR RATS	2012	Dr. M. V. Joshi
74	Miss.Dipte 9860927798	TOXICOPATHOLOGICAL STUDY OF METHYL PARATHION IN COMBINATION WITH PARAQUAT IN FEMALE WISTAR RATS	2013	Dr. V. P. Pathak
75	Satish Kad 9922033828	STUDIES ON COMBINED TOXICITY OF 2,4-DICHLOROPHENOXYACETIC ACID AND METHYL PARATHION IN FEMALE WISTAR RATS	2013	Dr. M. V. Joshi
76	Miss.Jadhao	PATHOLOGY OF LINDANE TOXICITY IN COMBINATION WITH 2,4 DICHLOROPHENOXYACETIC ACID IN FEMALE WISTAR RATS	2013	Dr. V. P. Pathak
77	Miss.Bagade 9890291906	COMBINED SUBACUTE TOXICITY OF PARAQUAT AND 2,4-DICHLOROPHENOXYACETIC ACID IN FEMALE WISTAR RATS	2013	Dr. M. V. Joshi
78	KEWAT SHUBHANGANI	TOXICOPATHOLOGY OF WATER SALINITY AND EFFECT OF	2014	Dr. M. V.

	BHAURAO	ASCORBIC ACID IN BROILERS		Joshi
79	DESAI SARANG SUDHIR  8055509180	STUDIES ON SPONTANEOUS GROSS AND HISTOPATHOLOGICAL LESIONS IN TESTICLES OF CANINES	2014	Dr. M. V. Joshi
80	MOHAMMAD FAROOQE MOHAMMAD QUASIM  9970832714	EFFECT OF ASCORBIC ACID AND CITRIC ACID IN BROILERS GIVEN WATER OF HIGH SALINITY	2014	Dr. M. V.Joshi.
81	CHANDEWAR ANIL SURYAKANT  8888670626	EFFECT OF ANDROGRAPHIS PANICULATA DURING EXPERIMENTAL LEAD TOXICITY IN BROILERS	2014	Dr. R. S.Ingole
82	MAHALLE SHIVENDRA DEVIDAS	PREVALENCE AND HISTOMORPHOLOGY OF HYDATIDOSIS IN SLAUGHTERED CATTLE IN AKOLA DISTRICT	2015	Dr. R. S.Ingole
83	MISS, PORE PRANJALI MILIND	EFFECT OF <i>ANDROGRAPHIS PANICULATA</i> ON INDUCED MONINSIN SODIUM TOXICITY IN JAPANESE QUAIL ( <i>COTURNIX COTURNIX JAPONICA</i> )	2016	Dr. R. S.Ingole
84	KULTH UMESH NANDKISHOR	EFFECT OF <i>ANDROGRAPHIS PANICULATA</i> AGAINST EXPERIMENTAL CHLORPYRIFOS TOXICITY IN JAPANESE QUAIL ( <i>COTURNIX COTURNIX JAPONICA</i> )	2016	Dr. R. S.Ingole
85	BHOYAR ROSHANI B.	EFFECT OF <i>BOERHAAVIA DIFFUSA</i> IN EXPERIMENTAL MELAMINE TOXICITY IN JAPANESE QUAILS	2016	Dr. M. S. Hedau

		( <i>COTURNIX COTURNIX JAPONICA</i> )		
86	WANKHEDE VAISHALI R.	EFFECT OF <i>BUTEA MONOSPERMA</i> ON IMIDACLOPRID INDUCED TOXICITY IN JAPANESE QUAILS ( <i>COTURNIX COTURNIX JAPONICA</i> )	2016	Dr. M. S. Hedau
87	MISS MITKARI SHUBHANGI G.	PATHOLOGY OF EQUINES USED FOR ANTISNAKE VENOM PRODUCTION	2016	Dr. V. P. Pathak
88	Suvrna R. Sonwane	EFFECT OF <i>Andrographis paniculata</i> ON <i>E. coli</i> INDUCED PATHOLOGY IN BROILERS	2017	Dr. R. S. Ingole
89	S. B. Tadvī	CHLORPYRIFOS INDUCED TOXICITY AND ITS AMELIORATION WITH COW URINE DISTILLATE IN BROILERS	2017	Dr. M. S. Hedau
90	Deepika D. Ghodke	TOXICOPATHOLOGICAL STUDIES OF ACEPHATE IN BROILERS	2018	Dr. R. S. Ingole
91	A. S. Rathod	INDIVIDUAL AND COMBINED TOXICOPATHOLOGY OF CHLORPYRIFOS AND CYPERMETHRIN IN BROILERS	2018	Dr. R. S. Ingole
92	Roshani M. Padole	PATHOLOGICAL STUDIES ON INDIVIDUAL AND COMBINED EFFECT OF IMIDACLOPRID AND ACEPHATE TOXICITY IN BROILERS	2018	Dr. M. S. Hedau
93	U. B. Wankhede	AMELIORATIVE EFFECT OF <i>Tinospora cardifolia</i> AGAINST ZIRAM INDUCED TOXICITY IN COCKERELS	2018	Dr. P. R. Rathod
94	Priyanka V. Tikore	EFFECT OF <i>Withania somnifera</i> AGAINST EXPERIMENTAL FENVALERATE TOXICITY IN COCKERELS	2018	Dr. P. R. Rathod
95	A. D. Jadhao	SUBACUTE TOXICITY OF KETOPROFEN AND ITS AMELIORATION WITH ZINC OXIDE NANOPARTICLES IN WISTAR RAT	2019	Dr. R. S. Ingole

96	Revati V. Dhigade	EFFECT OF GREEN SYNTHESIZED <i>Bryophyllum pinnatum</i> SILVER NANOPARTICLES ON INDUCED UROLITHIASIS IN WISTAR RAT	2019	Dr. R. S. Ingole
97	S. N. Ilamkar	AMELIORATIVE EFFECT OF <i>Tinospora cordifolia</i> AGAINST METHOTREXATE INDUCED TOXICITY IN MICE	2019	Dr. P. R. Rathod
98	K. M. Uikey	EFFECT OF <i>Withania somnifera</i> GOLD NANOPARTICLES ON CYCLOPHOSPHAMIDE INDUCED TOXICITY IN MICE	2021	Dr. R. S. Ingole
99	N. A. Waghmare	TOXICOPATHOLOGICAL STUDIES OF <i>Oxalis corniculata</i> IN MICE	2021	Dr. R. S. Ingole
100	Anjali A. Patil	AMELIORATIVE EFFECT OF COW URINE DISTILLATE ON ATRAZINE INDUCED TOXICITY IN BROILERS	2021	Dr. P. R. Rathod
101	Punam D. Nagpure	AMELIORATIVE EFFECT OF PANCHAGAVYA ON FENVALERATE INDUCED TOXICITY IN BROILERS	2021	Dr. P. R. Rathod
102	KABUEL DEBBARMA	TOXICOPATHOLOGY OF LEAD ACETATE AND ITS AMELIORATION WITH <i>Andrographis paniculata</i> MEDIATED SELENIUM NANOPARTICLES IN MICE	2022	Dr. R. S. Ingole
103	Ashwini T. Chopade	EFFECT OF <i>Dalbergia sissoo</i> MEDIATED SILVER NANOPARTICLES ON INDUCED ULCERATIVE COLITIS IN MICE	2022	Dr. R. S. Ingole
104	Prajakta B. Bhujbal	AMELIORATIVE EFFECT OF COW URINE DISTILLATE ON STREPTOZOTOCIN INDUCED DIABETES IN MICE	2022	Dr. B. P. Kamdi
105	Bharti M. Kuril	AMELIORATIVE EFFECT OF PANCHAGAVYA ON CARBON TETRACHLORIDE INDUCED TOXICITY IN MICE	2022	Dr. B. P. Kamdi
106	N. A. Yadav	EFFECT OF SUPPLEMENTATION OF <i>Withania somnifera</i> MEDIATED ZINC OXIDE NANOPARTICLES DURING HEAT STRESS IN BROILER CHICKEN	2023	Dr. R. S. Ingole

107	Vaishali V. Sarpe	PATHOMORPHOLOGY AND MOLECULAR DETECTION OF SELECTIVE BACTERIAL PATHOGENS ASSOCIATED WITH GOAT PNEUMONIA	2023	Dr. B. P. Kamdi
108	S. S. Wankhade	PROTECTIVE ROLE OF <i>Emblica officinalis</i> MEDIATED SELENIUM NANOPARTICLES IN BROILER CHICKENS UNDER HEAT STRESS	2023	Dr. B. P. Kamdi
109	ANANDGAONKAR VARAD AMOLRAO	EFFECT OF <i>Psidium guajava</i> LEAVES ON ADENINE INDUCED CHRONIC KIDNEY DISEASE IN RATS	2024	Dr. R. S. Ingole
110	KUDALE ATUL PANDURANG	PATHOLOGICAL STUDY ON BOVINE PNEUMONIA WITH SPECIAL REFERENCE TO BOVINE PARAINFLUENZA VIRUS 3 INFECTION	2024	Dr. B. P. Kamdi
111	ERRA SRIKANTH	PATHOLOGICAL AND MOLECULAR STUDIES ON CAPRINE RESPIRATORY MYCOPLASMOSIS	2024	Dr. B. P. Kamdi
112	AKARE ISHA PRAMOD	PATHOLOGY OF SPONTANEOUSLY OCCURRING SALMONELLOSIS IN CHICKENS	2024	Dr. R. S. Ingole
113	Degloorkar Vaishnavi S.	PATHOLOGY AND IMPORTANT MINERAL PROFILE OF CUTANEOUS NEOPLASMS IN DOGS	2025	Dr. R. S. Ingole
114	Popere Hemlata S.	EFFICACY OF <i>Zingiber officinale</i> ROOTS AND <i>Piper betle</i> LEAVES ON EXPERIMENTALLY INDUCED GOUT IN BROILER CHICKENS	2025	Dr. R. S. Ingole
115	Garudi Sharda D.	PATHOLOGY OF AVIAN METAPNEUMOVIRUS AND ASSOCIATED PATHOGENS IN CHICKENS	2025	Dr. B. P. Kamdi
116	Kadam Neeta R.	PATHOLOGY AND MOLECULAR DETECTION OF <i>Mycoplasma ovipneumoniae</i> INFECTION IN GOATS	2025	Dr. B. P. Kamdi

**Doctoral:**

<b>Name of Department:</b>				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	S. S. Bhagwat	OCCURRENCE OF NEOPLASTIC CONDITIONS IN FOWL.	1969	Dr. B.L. Purohit
2	M. V. Joshi	ROLE OF GLUCAGON AND INSULIN IN PATHOGENESIS OF FATTY LIVER SYNDROME IN FOWL.	1991	Dr. S. S. Bhagwat
3	Manjusha M. Pundlik	COMPARATIVE TOXICOPATHOLOGY OF SALT TOXICITY AND WATER SALINITY	2012	Dr. M. V. Joshi
4	R. S. Ingole	COMPARATIVE TOXICOPATHOLOGY OF WATER SALINITY IN BULLOCKS SLAUGHTERED IN NORMAL AND SALINE WATER AREA WITH SPECIAL REFERENCE TO EXPERIMENTAL STUDIES IN RATS	2016	Dr. M. V. Joshi
5	Madhuri S. Hedau	TOXICOPATHOLOGY OF INDIVIDUAL AND COMBINED EFFECT OF CHLORPYRIFOS AND ACETAMIPRID IN BROILERS WITH SPECIAL REFERENCE TO THEIR RESIDUAL EFFECT	2018	Dr. R. S. Ingole
6	N. M. Bhojane	TOXICOPATHOLOGY OF INDIVIDUAL AND COMBINED EFFECT OF INDOXACARB AND GLYPHOSATE IN JAPANESE QUAILS ( <i>Coturnix coturnix japonica</i> ) WITH SPECIAL REFERENCE TO THEIR RESIDUAL EFFECT	2018	Dr. R. S. Ingole
7	P. R. Rathod	COMPARATIVE EFFICACY OF COW URINE DISTILLATE AND PANCHAGAVYA AGAINST <i>E. coli</i> INDUCED PATHOLOGY IN BROILERS	2021	Dr. R. S. Ingole

8	D. B. Kale	SOY ISOFLAVONES INDUCED REPRODUCTIVE TOXICITY AND TERATOGENICITY IN RAT	2023	Dr. R. S. Ingole
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**4. Research Papers Published:**  
**List of Research Publications:**

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page Nos.	NAAS Rating, if any
1	Sarpe, Vaishali, Bhupesh Kamdi, Ranjit Ingole, Sunil Hajare, Dayaram Suryawanshi, Sunil Waghmare, and Shailendra Kuralkar.	2024	Pathological and molecular investigations on post-mortem lung samples of goats from Akola region, India.	Emerging Animal Species	10: 100039.	
2	Kamdi Bhupesh, Ingole Ranjit, Anandgaonkar and Dnaneshwar Kale Varad	2024	Pathological and parasitological evidences of non-cerebral Coenurus gaigeri infection in goats	Indian Journal of Animal Health	63(2): 380-382	
3	Bhupesh P Kamdi, VS Degloorkar, NR Kadam, RS Ingole	2024	Patho-morphological diagnosis of oral amelanotic melanoma in dog	Indian Journal of Canine Practice	16 (01):92-94	
4	Gore, S.M., Deshpande, K.Y., Mandavgane, S.A., Shinde, P.N., Patil, M.R., Chakravarty, I., Zadgaonkar, L.A., Borkar, A.M., Vedpathak, A., Kamdi, B.P. and Kale, D.B.,	2024	Waste 'Nagpur Orange' Peel Essential Oil for Improved Performance, Gut Health and Immune Response in Broiler Chicken: In Vivo Studies.	Waste and Biomass Valorization	15(6):339 5-3411	
5	Kamdi, B.P., Ingole, R.S., Kudale, A.P., Shende, A.M. and Waghmare, S.P.,	2024	Incidence and clinico-pathological studies on canine babesiosis in and around Akola, Maharashtra, India.	Exploratory Animal & Medical Research	14(S1):46 -50	

6	Kumar, K., Kumar, P., Valecha, S., Mishra, S., Bhardwaj, M., Kamdi, B., Singh, V. and Singh, R.,	2024	Immunopathological characterization of pulmonary lesions of ovine pulmonary adenocarcinoma in small ruminants.	Indian Journal of Veterinary Pathology	48 (4): 320-326	
7	Tripura, M., Kamdi, B., Ingole, R., Ingawale, M., Kuralkar, P. and Hajare, S.	2024	Effect of Lemon peel extract mediated gold nanoparticles on hematobiochemical and sperm parameter alterations in lead-arsenic induced combined exposure in male rats.	The Journal of Phytopharmacology,	13 (04): 341-344	
8	Domple, V.D., Padol, A.R., Malapure, C.D., Kamdi, B.P. and Sarode, R.M.,	2024	Effect of melatonin supplementation on feed, water intake and body weight in buffalo calves under summer stress.	Indian Journal of Animal Nutrition,	41(1), pp.112-117.	
9	Bhosale, A.V., Tumlam, U.M., Pawade, M.M., Kamdi, B.P., Mhase, P.P., Barate, A.K. and Muglikar, D.M.,	2024	Detection of canine viral and bacterial agents associated with gastroenteritis by PCR and RT-PCR	Indian Journal of Animal Research,	58(4): 666-670.	
10	Kamdi, Bhupesh, Abhijit Barate, Pankaj Kulurkar, Megha Kaore, Arun Bhandarkar, Rahul Singh, and Nitin Kurkure.	2023	Pathology and molecular characterization of chicken infectious anemia virus and in silico antigen prediction.	Animal Biotechnology,	34(9): 5160-5167.	
11	Singh, Shailendra, Rajendra Singh, Karam P. Singh, Rahul Singh, Pawan Kumar, Bhupesh Kamdi, and Vidhya Singh.	2023	Molecular detection and patho-morphological study of enteric Escherichia coli pathotypes in diarrheic neonatal calves."	<i>Animal Biotechnology</i>	34, (7): 3267-3273.	



12	Zope, Piyush S., Sunil P. Waghmare, Kishor S. Pajai, Dhananjay G. Dighe, Sunil W. Hajare, and Bhupesh P. Kamdi.	2023	Molecular Diagnosis and Haemato-Biochemical Alterations in Canine Parvoviral Infection in Dogs	Indian Journal of Veterinary Sciences & Biotechnology,	19(5):93-96	
13	Dhaygude, Vitthal, Bhupesh Kamdi, Abhijit Barate, Jayant Sukare, Divya Sabharwal, Uma Tumlam, and Chandrashekhar Mote.	2023	Pathological and molecular diagnosis of contagious caprine pleuropneumonia (CCPP) in naturally infected goats (Capra hircus) from Maharashtra, India.	Emerging Animal Species,	7: 100024	
14	Kamdi, Bhupesh, Rajendra Singh, Vidya Singh, Shailendra Singh, and Pawan Kumar.	2023	Meconium aspiration pneumonia in Murrah buffalo calves.	Buffalo Bulletin	42 (1): 15-19.	
15	Singh, Shailendra, Rajendra Singh, Jigyasa Rana, Bhupesh Kamdi, Shailesh Kumar Patel, and V. Singh.	2023	Patho-morphology of necro-haemorrhagic enteritis in neonatal calves	Indian Journal of Veterinary Pathology	47 (4): 340-344.	
16	Kamdi, B.P., Ingole, R.S. and Erra, S.,	2023	Pathological observations on ovarian granulosa cell tumor in dog.	Indian Journal of Canine Practice	15 (02), 189-191	
17	SB Bhosale, CS Mote, VS Dhaygude, BP Kamdi, PD Pawar, PV Mehre	2023	Prevalence and molecular detection of theileriosis in sheep from western Maharashtra	Indian Journal of Small Ruminants (The)	29 (2), 317-321	
18	D Vitthal, BP KAMDI, B Shruti, S Divya, K Tejashri, A Barate	2022	Pathological studies and ORF 103 gene based molecular characterization of sheep pox virus from outbreaks in Maharashtra, India	Indian Journal of Animal Sciences	92 (10), 1149-1153	

19	Tumlam, Uma M., Dhruv N. Desai, Mrunalini M. Pawade, Bhupesh P. Kamdi, and Dushyant M. Muglikar.	2022	Phylogenetic analysis and antimicrobial resistance of <i>Escherichia coli</i> isolated from diarrheic piglets.	Indian Journal of Veterinary Science and Biotechnology,	18(3), 119-121	
20	Debbarma, K., R. S. Ingole, B. P. Kamdi, S. W. Hajare, M. V. Ingawale, S. P. Waghmare, P. U. Ingle, and A. K. Gade.	2022	Haematobiochemical alterations by lead acetate toxicity and its amelioration with <i>Andrographis paniculata</i> mediated selenium nanoparticles in mice	Indian Journal Veterinary Pathology.	18(3), 119-121	
21	DB Kale, Dr. RS Ingole, SP Waghmare, SW Hajare, MV Ingawale and BP Kamdi	2022	Subacute oral toxicity study of soy isoflavones on organ weights and sperm parameters in male Wistar rats	The Pharma Innovation Journal,	SP-11(11): 1703-1707	
22	Dhaygude, V., Barate, A., Kamdi, B., Sukare, J., Sabharwal, D., Bhagwat, A., Pawar, P. and Muglikar, D.,	2022	Report on first confirmed outbreaks of contagious agalactia in small ruminants from Maharashtra State of India	The Indian Journal of Animal Sciences	92(5): 576-579.	
23	Ubhare, G. S., R. V. Suryawanshi, A. H. Ulemale, A. B. Mali, S. B. Swami, Y. B. Jadhav, C. S. Mote, B. P. Kamdi, and P. B. Chougale.	2021	Ultrasonographic evaluation of pulmonary abscess in adult horse: case report	Haryana Veterinarian,	33 (4): 155-162	
24	NK Nighot, CS Mote, RV Jadhav, AG Dubey, BP Kamdi	2021	Fibrosarcoma in a leucistic royal bengal tiger ( <i>Panthera tigris</i> ssp. <i>tigris</i> )	Indian Zoo Year Book,	9: 67-69	
25	S Singh, R Singh, KP	2021	Epidemiological study	Biological	52 (7), 1055-	

	Singh, V Singh, YPS Malik, B Kamdi, R Singh,		of naturally occurring bovine rotavirus infection in organized dairy farms, India	Rhythm Research	1063	
26	B Kamdi, R Singh, V Singh, S Singh, G Kashyap	2021	Patho-morphological and immunohistochemical diagnosis of fibrous tissue pulmonary hamartoma in young buffaloes	Journal of Immunoassay and Immunochemistry	42 (1), 62-68	
27	Dhaygude, Vitthal, Bhupesh Kamdi, Divya Sabharwal, Shruti Mehendale, Mugdha Jog, Dixit Kumar Dhankar, and Prashant Pawar.	2021	Pathology of rare mixed infection of Tetrameres spp and Eimeria tenella in desi chicken in Maharashtra state	Indian Veterinary Journal	98 (01), 28-31	
28	Domple, Vijay D., Amol R. Padol, C. D. Malapure, Bhupesh P. Kamdi, and Roshan M. Sarode.	2021	Effect of melatonin supplementation on heat shock proteins expression profile in buffalo calves under summer stress	Int. J. Chem. Stud,	9 (1): 1197- 1203.	
29	Dhaygude, V. S., K. Kundu, B. P. Kamdi, U. R. Bagal, S. B. Bhosale, and Divya Sabharwal. "	2021	Investigations on first confirmed outbreak of ovine theileriosis (Theileria luwenshuni) from Maharashtra state, India	Indian Journal of Animal Research,	55 (8): 951-955.	
30	Kawhale, A. H., A. H. Ulemale, S. P. Salvekar, S. M. Agivale, R. V. Suryawanshi, P. V. Meher, and B. P. Kamdi	2020	Comparative evaluation of total intravenous anaesthesia (TIVA) and inhalation anaesthesia in cattle." (2020): 220-224.	Haryana Veterinary	59 (2): 220-224	
31	Kamdi, Bhupesh, Vitthal Dhaygude, Krishnendu Kundu, Prashant Pawar,	2020	Occurrence and pathology of Syngamus trachea in a flock of native chicken	Indian Veterinary Journal	97(12):34 -37.	

	and Divya Sabarwal.		(Gallus gallus domesticus) reared in the backyard."			
32	Singh, R., Singh, S., Singh, R., Varshney, R., Dhama, K., Kumari, S., Singh, K.P., Dar, J.A., Kashyap, G., Kamdi, B. and Kumar, P.,	2020	Patho-Epidemiological study of jaagsiekte sheep retrovirus infection in the sheep and goats population, India	Biological Rhythm Research,	51(8):1182-1196.	
33	Kamdi, B., Singh, R., Singh, V., Singh, S., Kumar, P., Singh, K.P., George, N. and Dhama, K.,	2020	Immunofluorescence and molecular diagnosis of bovine respiratory syncytial virus and bovine parainfluenza virus in the naturally infected young cattle and buffaloes from India	Microbial pathogenesis,	145, p.104165.	
34	Shiyamala, S., Mote Chandrashekhar, S., Jadhav, S.N., Kadam, A.S. and Kamdi, B.P	2020	Pathological investigations and molecular characterization of infectious bursal disease virus from poultry farms of western Maharashtra of India.	J Entomol. Zool Stud,	8(3):601-605	
35	VD Dimple, AR Padol, CD Malapure, BP Kamdi, RM Sarode	2020	Effect of melatonin supplementation on physiological observations in buffalo calves under summer stress	Journal of Animal Research,	10 (6):1095-1098	
36	Vijay D Dimple, Amol R Padol, CD Malapure, Bhupesh P Kamdi and Roshan M Sarode	2020	Effect of melatonin supplementation on thyroidhormone and cortisol in buffalo calves under summer stress	International Journal of Chemical Studies,	SP-8(4): 33-36	

37	BP Kamdi, RP Kolhe, VS Dhaygude, CS Mote	2020	Chicken infectious anemia: An emerging immunosuppressive viral threat to the poultry industry	J. Poult. Sci. Technol,	8: 16-22	
38	S Shiyamala, CS Mote, SN Jadhav, AS Kadam, B Kamdi	2020	Pathological investigation into outbreak of inclusion body hepatitis from poultry flocks	J. Entomol. Zool. Stud,	8: 170-174	
39	Singh, S., Singh, R., Singh, K.P., Singh, V., Malik, Y.P.S., Kamdi, B., Singh, R. and Kashyap, G.	2020	Immunohistochemical and molecular detection of natural cases of bovine rotavirus and coronavirus infection causing enteritis in dairy calves.	Microbial pathogenesis,	138, p.103814.	
40	S Singh, R Singh, KP Singh, V Singh, YPS Malik, B Kamdi, R Singh,	2019	Prevalence of bovine coronavirus infection in organized dairy farms of Central and North regions, India	Biological Rhythm Research	53 (3), 351-357	
41	U Bagal, V Dhaygude, B Kamdi, C Mote, M Pawade, S Bhosale	2019	Pathology and molecular diagnosis of Mycoplasma gallisepticum and Mycoplasma synoviae infections in broiler chickens from western Maharashtra, India	Journal of Animal Research	9 (6): 897-902	
42	R. S. Khetmalis, B. K. More, C. S. Mote , S. N. Jadhav, B. P. Kamdi and V. S. Dhaygude	2019	Experimental Study on Pathology of Aflatoxicosis in Broiler Chicks and Its Amelioration by Emblica officinalis (Amla)	International Journal of Livestock Research	8 (10), 287-297	

			Supplementation			
43	Singh, R., Singh, R., Kamdi, B., Kamari, S., Singh, S., Singh, S., Chauhan, P. and Kumar, S.,	2018	Pathology of caseous lymphadenitis in slaughtered goats associated infection with <i>Corynebacterium pseudotuberculosis</i>	Journal of Animal Research	8 (3), 497-500	
44	Kamdi, Bhupesh P; Shailendra Singh, Shailendra Singh; Pawan Kumar, Pawan Kumar; Vidya Singh, Vidya Singh; Rajendra Singh, Rajendra Singh	2018	Pulmonary hydatidosis in buffalo calves	Indian Journal of Veterinary Pathology	42 (4):296-298	
45	Kashyap, G.D.J.A., Dar, J.A., War, Z.A., Gupta, D., Sahu, N., Singh, S., Kamdi, B., Singh, V. and Rai, S.K.,	2018	Bacteriological and pathological study of a case of navel ill and its complications.	Journal of Animal Research	8 (3): 545-548	
46	S Singh, R Singh, BP Kamdi, G Kasyap, R Singh, N George, P Kumar	2018	Occurrence and pathology of cryptosporidium in bovine calves of North and Central India	Journal of Animal Research	8 (5):925-930	
47	BP Kamdi, K Kundu, C Mote, R Rohi	2017	Clinico pathological alterations into concurrent infection of ehrlichia canis and babesia gibsoni in a doberman dog	Indian Journal of Canine Practice	9 (2), 179-182	
48	K Ganar, M Shah, BP Kamdi, NV Kurkure, S Kumar	2017	Molecular characterization of chicken anemia virus outbreaks in Nagpur province, India from 2012 to 2015	Microbial pathogenesis,	102:113-119	
49	SP Awandkar, SD Moregaonkar, SJ Manwar,	2017	Comparative investigations of	Iranian Journal of	18 (1), 6	

	BP Kamdi, MB Kulkarni		infectious runting and stunting syndrome in vaccinated breeder chicks by inactivated reovirus and chicks from non-vaccinated breeders	Veterinary Research		
50	B Kamdi, K Kundu, C Mote, M Khasnis	2017	Incidence of microfilaraemia in horses from Panchagani, Satara district of western Maharashtra	Indian Journal of Veterinary Patology	Vol.9 (12): 41 (4): 314-317	
51	BP Kamdi, PM Kulurkar, AG Bhandarkar, PM Sonkusale, PA Tembhurne,	2016	Study of mortality in young chickens by Chicken infectious anaemia virus (CIAV) in Nagpur region	Indian Journal of Poultry Science	51 (3), 353-358	

#### List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.

#### Book Published:

1. V.S. Dhaygude, **B.P. Kamdi** and Dixit Kumar **(2023)** Terminology, MCQs and Short notes in Veterinary Pathology. Jaya Publishing House, Sector -16, Rohini, Delhi-110089.

#### 5. Research Recommendations

Sr. No.	01
Year	2015-16
Project Title	Epidemiological study of animal hydatidosis by PCR

Investigators	Dr. R. S. Ingole
Recommendations	Echinococcus granulosus Indian buffalo strain (G3) was found to be most prevalent in the cattle from Akola district of Maharashtra
Sr. No.	02
Year	2019-20
Project Title	SUBACUTE TOXICITY OF KETOPROFEN AND ITS AMELIORATION WITH ZINC OXIDE NANOPARTICLES IN WISTAR RAT
Investigators	Mr. A. D. Jadhav and Dr R. S. Ingole
Recommendations	Zinc oxide nanoparticles (@7.5 mg/kg BW orally) showed hepatoprotective, nephroprotective and gastrointestinal protective effect against subacute ketoprofen (@6.24 mg/kg BW orally) toxicity in rat
Sr. No.	03
Year	2019-20
Project Title	EFFECT OF GREEN SYNTHESIZED <i>Bryophyllum pinnatum</i> SILVER NANOPARTICLES ON INDUCED UROLITHIASIS IN WISTAR RAT
Investigators	Miss R. V. Dighade and Dr. R. S. Ingole
Recommendations	Bryophyllum pinnatum leaves mediated silver nanoparticles (@ 10 mg/kg b.wt. orally) showed preventive and therapeutic nephroprotective effect against ethylene glycol (0.75% in water) induced urolithiasis in rat

MOU signed by the Colleges - Nil

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

#### 8. Research Priorities / Thematic areas: Department Wise

1. Toxicopathology of drugs, chemicals, phytochemicals and toxicants in laboratory animals/small and large ruminants and poultry
2. Pathology of infectious, non-infectious and neoplastic diseases of animals and birds

#### 9. Significant Research Achievement: Nil

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