



**MAFSU,
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Academic	(Set Template Pixel : 2000 x 768)	
	Degree Offered	
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	Audio Visual Aids	
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Department		
	Department(s)	
		➤ Veterinary Deptt (s) ➤ Dairy Deptt(s) Student Training Dairy Plant ➤ Fishery Deptt(s) Fish Processing Plant Aquaculture Farm ➤ Retired faculty
		➤ Achievements
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Institution Committee	
	➤ Anti-ragging
	➤ Institute ethics committee
	➤ Mahila Takrar Nivaran Samiti
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Library	

Footer:

Photo Gallery / Prevention of Caste Based Discrimination /

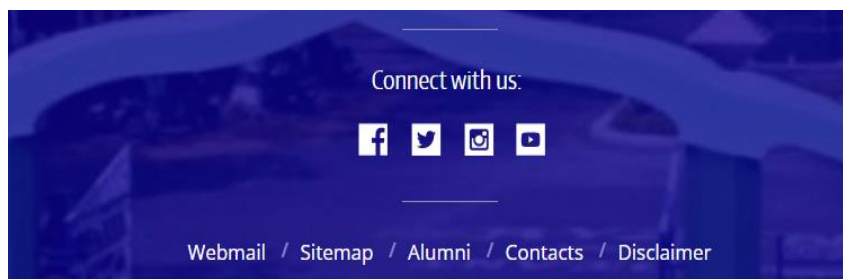
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Research:

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.)	Extra-mural (Funding agency) / Intra-mural	Status (Completed / Ongoing)	Duration
1	Studies on blood serum protein pattern in dairy animals.	Dr. R. K. Raikar	I.C.A.R, New Delhi	20,000.00	Extra - mural	Completed	2 Year
2	Studies on humoral immune status of the crossbred and indigenous dairy cattle.	Dr. B. A. Kulkarni	I.C.A.R, New Delhi	3,44,850.00	Extra - mural	Completed	3 Year
3	Hormonal induction of lactation in dairy cattle for increased milk production.	Dr. B. T. Deshmukh	KKV, Dapoli	24,176.00	Extra - mural	Completed	3 Year
4	Thyroid hormones concentration in relation to stage of lactation in crossbred cows.	Dr. B. T. Deshmukh	DAE, BRNS, BARC	7875.00	Extra - mural	Completed	3 Year
5	Studies on seminal plasma proteins of the Indian buffalo and cattle.	Dr. B. A. Kulkarni (Emeritus Scientist)	I.C.A.R, New Delhi.	1,79,535.00	Extra - mural	Completed	3 Year
6	Application of growth hormone biotechnology in	Dr. B. T. Deshmukh	I.C.A.R, New Delhi	5,29,412.00	Extra - mural	Completed	4 year



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	dairy cattle for increased milk production.						
7	Haematological and trace element profile in different physiological states in dairy animals.	Dr. (Mrs.) B. A. Talvelkar	I.C.A.R, New Delhi	12,77,421.00	Extra - mural	Completed	4 year
8	Studies on inhibin immunization for improving fertility of the Indian Buffalo.	Dr. B. T. Deshmukh, Dr. (Mrs.) A. S. Nagvekar	I.C.A.R, New Delhi	18,89,520.00	Extra - mural	Completed	4 year
9	Studies on haematological and enzyme profile in buffaloes (<i>Bubalus bubalis</i>) and their influence on milk production and reproductive efficiency.	Dr. (Mrs.) B. A. Talvelkar (Emeritus Scientist)	I.C.A.R, New Delhi	12,77,421.00	Extra - mural	Completed	2 year
10	Hormone assays and endocrine applications for optimization of production in buffalo.	Dr. B. T. Deshmukh, Dr. (Mrs.) A. S. Nagvekar, Dr. S. D. Ingole	DAE, BRNS, BARC	12,17,725.00	Extra - mural	Completed	2 year
11	Estimation of hormonal profile, metabolites and milk composition during lactation in bovine and validation of bovine growth hormone kit.	Co-PI Dr. S. D. Ingole	DAE, BRNS, BARC	24,40,000.00	Extra - mural	Completed	3 year
12	Strengthening and modernization of veterinary clinical complex and diagnostic laboratories.	Co-PI Dr. S. D. Ingole	RKVY	499,79,000.00	Extra - mural	Completed	2 year
13	Centre of excellence for advanced research on animal food safety	Co-PI Dr. S. D. Ingole	World Bank Funded ICAR-NAHEP CAAST	18,05,00,000.00	Extra - mural	Completed	3 year

2. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI / Major Advisor / Research Worker	Funding Agency	Total project cost (Rs.)	Extra-mural (Funding agency) / Intra-mural	Status (Completed / Ongoing)	Duration
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1	Confirmation of lactation performance and animal safety of dairy animals of the Boss p. and Bubalus sp. treated with recombinant bovine somatotropin.	Dr. S. V. Bharucha	Elanco Animal Health, Bangalore	3,63,000.00	Agency	Completed	2 year
2	Evaluation of toxinbinders on health and milk quality of buffaloes.	Dr. S. D. Ingole Dr. (Mrs.) A. S. Nagvekar	Kemin Industries Asia Pvt. Ltd, Chennai	4,12,000.00	Agency	Completed	1 year

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1	Mastitis	Early detection of sub clinical mastitis	Early detection of sub clinical mastitis	Different methods have been successfully used to identify sub clinical mastitis ❖ miRNA ❖ thermography Early diagnose of sub clinical mastitis and thus prevent its spread
2	Fertility and pregnancy diagnosis	Animal fertility and pregnancy diagnosis	Identify if the animal is fertile Early and precise pregnancy diagnosis	Various approaches have been explored to aid in easy identification of fertility and as well as early diagnosis of pregnancy ❖ Pregnant Associated Glycoproteins (PAGs) ❖ Urinary pregnanediol-3-glucuronide (PdG) ❖ Kisspeptin ❖ Anti-Mullerian hormone



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				❖ Scrotal thermography

4. Thesis:

Master: M.V.Sc (Veterinary Physiology)

Name of Department : Veterinary Physiology				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	V. G. Joshi	Some haematological observations on Rathi cows	1968	Dr. R. K. Raikar
2	Y. G. Gadgil	Studies on blood serum proteins of Rathi cows	1968	Dr. R. K. Raikar
3	(Ms.) B. A. Talvelkar	Studies on certain aspects of eggs in the pure bred strains of White Leghorn, Australorp and their cross White Austro	1970	Dr. R. K. Raikar
4	K. B. Puranik	Studies on blood serum proteins of crossbred cow calves and Murrah buffalo calves by starch agar gel electrophoresis	1970	Dr. R. K. Raikar
5	G. D. Behre	Studies on blood serum proteins of chickens of exotic breeds and of local (Desi) chickens.	1970	Dr. B. A. Kulkarni
6	M. V. Chavan	Studies on the use of biostimulator (spleen extract) in broilers	1975	Dr. R. K. Raikar
7	S. J. Pardikar	Haematological and biochemical studies in sheep and goats	1976	Dr. R. K. Raikar
8	U. K. Parchure	Studies on serum proteins in Bannur sheep	1978	Dr. B. A. Kulkarni
9	M. Rafi	Studies on some serum electrolyte levels in Bannur sheep	1986	Dr. B. A. Kulkarni
10	(Ms.) A. J. Mhatre	Studies on some haematological and biochemical parameters in broilers under different temperature regimes.	1986	Dr. V. G. Joshi
11	P. B. Bhangale	A study on effects of some climatic factors on physiological responses in Gir and crossbred lactating cows	1986	Dr. V. G. Joshi
12	M. D. Patil	Studies on haematology of Murrah buffaloes	1989	Dr. B. A. Talvelkar
13	Mir Manzoor	Concentration of some major elements in blood plasma and milk of crossbred lactating cows during different stages of lactation	1990	Dr. B. T. Deshmukh
14	S. D. Dhande	Immunoglobulin levels in lacteal secretions of indigenous and crossbred cows in early lactation	1992	Dr. V. G. Joshi
15	S. W. Bonde	Passive immune status in neonatal crossbred calves	1992	Dr. B. A. Kulkarni
16	B. V. Jichkar	Serum immunoglobulin levels in crossbred cows	1992	Dr. V. G. Joshi
17	D. S. Jagdale	Studies on estradiol – 17 β , progesterone and lipid profile in crossbred cows	1993	Dr. B. A. Talvelkar
18	S. H. Dalvi	Blood serum thyroid hormone concentration during late pregnancy, parturition and early lactation of crossbred cows	1993	Dr. B. T. Deshmukh
19	S. M. Deshpande	Studies on macro elements during gestation and early postpartum period in Gir and crossbred cows	1994	Dr. A. M. Mantri
20	P. D. Bansode	Effect of oxytocin on milk production and its composition in crossbred cows	1994	Dr. A. M. Mantri
21	N. S. Sonawane	Effect of bovine somatotropin on blood lipid profile in lactating crossbred cows.	1995	Dr. B. A. Talvelkar
22	S. K. Bhere	Effect of administration of bovine somatotropin on milk yield, milk composition, feed intake and body weights of lactating crossbred cows	1996	Dr. B. T. Deshmukh
23	V. D. Garje	Effect of exogenous bovine somatotropin on major elements of milk in lactating crossbred cows	1996	Dr. B. A. Talvelkar



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24	L. R. Gadhave	Studies on serum protein profile during gestation and early postpartum period in Gir and crossbred cows	1997	Dr. A. M. Mantri
25	S. D. Ingole	Serum enzyme profile during gestation and early lactation in Gir and crossbred cows	1997	Dr. B. A. Talvelkar
26	(Ms.) S. V. Bharucha	Effect of bovine somatotropin on blood serum proteins in lactating crossbred cows	1997	Dr. B. T. Deshmukh
27	B. V. Atak	Serum enzyme profile during growth in Gir and crossbred calves	1998	Dr. B. A. Talvelkar
28	S. P. Patil	Studies on serum protein profile during growth in Gir and crossbred calves	1998	Dr. B. A. Talvelkar
29	(Ms.) S. V. Bhide	Effect of induced hypothyroidism on blood biochemical constituents in goats	1998	Dr. B. T. Deshmukh
30	N. B. Vadnere	Effect of induced hypothyroidism on haematology and thyroid hormones concentration in goats	1998	Dr. B. T. Deshmukh
31	M. N. Harlikar	Trace element profile during growth in crossbred calves and heifers	1999	Dr. B. A. Talvelkar
32	(Ms.) A. S. Lourenco	Haematological profile in crossbred calves and heifers	1999	Dr. B. T. Deshmukh
33	R. R. Patil	Trace element profile during gestation and lactation in crossbred cows	2000	Dr. B. A. Talvelkar
34	Y. S. Mehre	Haematological and trace element profile during peripartum period in crossbred cows	2000	Dr. B. A. Talvelkar
35	(Ms.) A. A. Pimputkar	Haematological profile during gestation and lactation in crossbred cows	2000	Dr. B. T. Deshmukh
36	K. B. Bahiram	Mineral profile during growth in crossbred calves and heifers	2001	Dr. B. A. Talvelkar
37	D. N. Paikrao	Mineral profile during gestation, peripartum period and lactation in crossbred cows	2001	Dr. B. A. Talvelkar
38	R. R. Dhotre	Comparative study of serum testosterone profile and seminal characteristics of cow and buffalo bulls	2001	Dr. B. T. Deshmukh
39	S. B. Nalavade	Comparative study of serum lipid profile in buffalo bulls and cow bulls	2002	Dr. B. A. Talvelkar
40	P. L. Gade	Serum trace elements profile in cow bull and buffalo bull	2002	Dr. B. T. Deshmukh
41	S. Y. Bidye	Concentrations of serum thyroxine, triiodothyronine and thyroid stimulating hormone in buffalo and cow bulls	2002	Dr. B. T. Deshmukh
42	T. P. Bawane	Serum Inhibin, FSH, LH concentrations and seminal plasma Inhibin activity in buffalo and cow bulls	2003	Dr. B. T. Deshmukh
43	(Ms.) G. V. Parab	Comparative study of serum protein profile in buffalo bulls and cow bulls	2003	Dr. B. A. Talvelkar
44	S. R. Nikam	Seminal plasma lipid profile in buffalo and cow bulls	2003	Dr. B. T. Deshmukh
45	S. B. Kancharla	Seminal plasma trace element profile in buffalo and cow bulls	2003	Dr. B. T. Deshmukh
46	(Ms.) S. D. Borkar	Effect of inhibin immunization on seminal characteristics in buffalo bulls	2004	Dr. B. T. Deshmukh
47	S. N. Itankar	Effect of inhibin immunization on haematological parameters in buffalo bulls	2004	Dr. A. S. Nagvekar
48	S. K. Aghadate	Effect of inhibin immunization on serum electrolytes concentration in buffalo bulls	2005	Dr. B. T. Deshmukh
49	D. V. Ingavale	Effect of inhibin immunization on serum thyroxine, triiodothyronine and thyroid stimulating hormone in buffalo bulls	2005	Dr. B. T. Deshmukh
50	(Ms.) S. D. Konkar	Effect of inhibin immunisation on serum protien profile in buffalo bulls	2005	Dr. A. S. Nagvekar



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51	(Ms.) S. D. Dhaware	Follicular fluid biochemical profile of buffalo	2006	Dr. B. T. Deshmukh
52	(Ms.) Shiny Joy	Follicular fluid protein profile in buffalo	2006	Dr. B. T. Deshmukh
53	(Ms.) V. K. More	Electrolyte concentration in follicular fluid of sheep	2006	Dr. A. S. Nagvekar
54	(Ms.) A. D. Gandhe	Serum protein profile during lactation in buffalo	2007	Dr. A. S. Nagvekar
55	P. M. Tripathi	Serum lipid profile during lactation in buffalo	2007	Dr. S. D. Ingole
56	(Ms.) V. M. Tekade	Serum protein profile during early pregnancy in buffaloes	2009	Dr. B. T. Deshmukh
57	Sushanta Debbarma	Serum progesterone and thyroid hormone profile during gestation and early postpartum period in goats	2010	Dr. B. T. Deshmukh
58	T. R. Mahanwar	Serum enzyme profile during gestation and early postpartum period in goats	2010	Dr. S. D. Ingole
59	(Ms.) S. S. Managuli	Status of somatic cell count and certain elements in milk during lactation in buffalo	2011	Dr. A. S. Nagvekar
60	A. S. Mundekar	Evaluation of stem cell therapy on ovaries of anestrus buffaloes	2012	Dr. S. D. Ingole
61	S. V. Ambe	IGF-1 and metabolic profile during different stages of gestation in buffalo	2012	Dr. A. S. Nagvekar
62	(Ms.) M. P. Patil	Somatic cell count and some biochemical parameters in milk for evaluation of mastitis in buffalo	2013	Dr. A. S. Nagvekar
63	(Ms.) R. R. Salve	Pregnancy associated glycoprotein and progesterone concentrations during early pregnancy in Sirohi goats	2013	Dr. S. D. Ingole
64	B. A. Wakade	Effect of toxin binders on immunity and aflatoxin M1 residues in milk in buffaloes	2014	Dr. S. D. Ingole
65	V. T. Palve	Somatic cell count, enzyme activity and assessment of milk quality in normal and mastitic buffaloes	2014	Dr. A. S. Nagvekar
66	(Ms.) O. K. Phatak	Influence of age on some enzymatic and macro electrolyte activities in Labrador dogs during the growth phase	2015	Dr. S. V. Bharucha
67	D. D. Sirsat	Certain serum enzymes and minerals in lactating Murrah buffaloes	2016	Dr. A. S. Nagvekar
68	SatyaPrakash Mohapatra	Monitoring the reproductive status in Murrah buffaloes by evaluating urinary pregnanediol-3-glucoronide and creatinine	2016	Dr. S. D. Ingole
69	(Ms.) Chaithrashree A. R	Effect of melatonin on bovine sperm characteristics and ultrastructure changes	2017	Dr. S. D. Ingole
70	(Ms.) A. V. Kulkarni	Interleukin 1 β (IL - 1 β) and protein profile during different stages of gestation in buffalo	2017	Dr. A. S. Nagvekar
71	G. H. Gore	Effect of temperature of cold drinking water on physiological responses, cortisol and milk yield in buffaloes	2018	Dr. A. S. Nagvekar
72	Mohit Jain	CEA, CA 15 – 3 and miRNA expression as biomarkers in canine mammary tumours	2019	Dr. S. D. Ingole
73	Deepak Gahlot	Kisspeptin and ovarian follicular dynamics in estrous and anestrous buffaloes	2021	Dr. S. D. Ingole
74	D. R. Kadam	Haematological, biochemical, physiological and hormonal profile of Dangi calves	2021	Dr. A. S. Nagvekar
75	Abhishek Jadhav	Milk miRNA expression in buffaloes as potential biomarker for mastitis	2022	Dr. S. D. Ingole
76	Rohit Barkade	Influence of age on lipids and macro electrolytes in Dangi calves during the growth phase	2022	Dr. S. V. Bharucha



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77	(Ms.) K Lokeswari Yoshitha	Expression of exosomal miRNA as potential oncogenic biomarker and its expression in normal, subclinical mastitis and pasteurized milk of buffaloes	2023	Dr. S. D. Ingole
78	(Ms.) Gloraine Carvalho	Biochemical markers in seminal plasma and its correlation with semen characteristics in canines	2023	Dr. S. V. Bharucha
79	(Ms.) Mandakranta Bhuyan	Bovine milk derived exosomal oncogenic miRNAs and its stability on milk processing	2024	Dr. S. D. Ingole
80	Vikas Khapre	Seminal miRNA as potential biomarker in seminal plasma, and diagnosis of infertility in bucks	2024	Dr. S. V. Bharucha

Doctoral: Ph.D. Veterinary Physiology

Name of Department: Veterinary Physiology				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr. B. A. Kulkarni	Studies on immunoglobulins in Indian buffaloes (<i>Bos bubalus bubalis</i>)	1971	Dr. R. K. Raikar
2	Dr. (Ms.) A. M. Mantri	Studies on the leutinizing hormone (LH) in domestic fowl (<i>Gallus domesticus</i>)	1977	Dr. R. K. Raikar
3	Dr. V. G. Joshi	Study of thyroid function in different strains of fowl in relation to growth rate and laying performance	1978	Dr. R. K. Raikar
4	Dr. (Ms.) B. A. Talvelkar	Studies on serum leutinizing hormone and prolactin levels in purebred Gir and crossbred dairy animals	1980	Dr. R. K. Raikar
5	Dr. S. D. Ingole	Endocrine profile from birth to puberty in buffalo calves and heifers	2009	Dr. B. T. Deshmukh
6	Dr. (Ms.) A. S. Nagvekar	Profiles of serum somatotropin, gonadotropin, ovarian steroids and thyroidal hormones during gestation of buffalo	2009	Dr. B. T. Deshmukh
7	Dr. (Ms.) S. D. Sirsat	Characterization of stem cells from bovine mammary tissue and milk	2018	Dr. S. D. Ingole
8	Dr. P. M. Kekan	Evaluation of anti mullerian hormone in heifers, normo-ovulatory and anovulatory buffaloes	2019	Dr. S. D. Ingole
9	Dr. (Ms.) S. V. Bharucha	Effect of THI and BCS on hormone profile, blood metabolites and milk composition in lactating buffaloes.	2020	Dr. S. D. Ingole
10	Dr. S. D. Kharde	Application of scrotal infrared thermography for determination of seasonal effects on certain semen characteristics in bulls	2022	Dr. S. D. Ingole

5. Research Papers Published:

List of Research Publications:



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Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume Page Nos.	NAAS Rating, if any
1	Talvelkar, B. A.	1967	The effect of molting on some of the egg qualities in White Leghorn and Rhode Island Red birds.	B.V.C.M.	14: 16 – 19	
2	Talvelkar, B. A.	1968	Behaviour of the wild animals.	B.V.C.M.	15: 61 – 63	
3	Talvelkar, B. A. and M. V. Kulkarni	1969	Studies on growth of White Leghorn Chicks	B.V.C.M.	16: 40 – 42	
4	Raikar, R. K., B. A. Talvelkar and V. G. Joshi	1975	A Preliminary report on some electrolytes in broilers.	B.V.C.M.	20: 45 – 47	
5	Talvelkar, B. A., B. A. Kulkarni and R. K. Raikar	1980	Haematological studies in Gir and crossbred cows.	Indian Vet. J.	57: 640 – 643	4.99
6	Talvelkar, B. A., R. K. Raikar, A. R. Sheth and B. A. Gadgil	1981	Serum LH levels in fertile vs infertile inseminations in purebred and crossbred cows.	Indian J. Anim. Sci.	5: 832 – 833	6.40
7	Talvelkar, B. A., R. K. Raikar, A. R. Sheth and B. A. Gadgil	1981	Diurnal variation in the serum LH and prolactin levels in Gir and crossbred heifers.	Indian J. Dairy Sci.	34: 469 – 471	5.24
8	Raikar, R. K., V. G. Joshi, A. M. Mantri, V. L. Deopurkar and B. T. Deshmukh	1981	A note on the effect of Prajana on layer performance.	The Indian Poultry Gazette	65(1): 27 – 28	
9	Talvelkar, B. A., R. K. Raikar and B. A. Gadgil	1982	Note on serum luteinizing hormone and prolactin levels in purebred Gir and crossbred heifers before the onset of puberty.	Indian J. Anim. Sci.	52: 948 – 950	6.40
10	Talvelkar, B. A., R. K. Raikar, A. R. Sheth and B. A. Gadgil	1982	Serum LH and prolactin levels during late pregnancy, parturition and early lactation period in Gir and crossbred cows.	Indian J. Dairy Sci.	35: 318 – 321	5.24
11	Talvelkar, B. A., R. K. Raikar, A. R. Sheth and B. A. Gadgil	1982	Serum prolactin levels and milk yield in Gir and crossbred cows.	Indian J. Dairy Sci.	35: 361 – 365	5.24
12	Talvelkar, B. A., R. K. Raikar, A. R. Sheth and B. A. Gadgil	1982	Serum LH and serum prolactin levels during postpartum period in purebred Gir and crossbred cows.	Indian J. Dairy Sci.	35: 505 – 510	5.24
13	Kulkarni, B. A., B. A. Talvelkar, B. T. Deshmukh, V. P. Kolhatkar, D. D. Patankar and S. S. Gokani	1983	Biochemical studies in Gir and crossbred dairy cows.	Indian Vet. J.	60: 17 – 22	4.99
14	Deshmukh, B. T. and P. A. Chorey	1983	Influence of milking rate on yield and composition of milk.	P. K. V. Research Journal	7(2): 62 – 65	
15	Kulkarni, B. A., B. A. Talvelkar, R. V. Kaushik, S. S. Gokani,	1984	Biochemical studies in Gir and Jersey lactating cows.	Indian Vet. J.	61: 377 – 381	4.99



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	D. D. Patankar and B. S. Kulkarni					
16	Kulkarni, B. A., B. A. Talvelkar, R. V. Kaushik, S. S. Gokani, D. D. Patankar and B. S. Kulkarni	1984	Studies on serum biochemical constituents in lactating and dry Indian buffaloes.	Indian Vet. J.	61: 564 – 568	4.99
17	Deshmukh, B. T and R. S. Ludri	1985	Residual milk at different frequencies of milking and stages of lactation in crossbred cows.	Indian J. Anim. Sci.	55(10): 898 – 900	6.40
18	Deshmukh, B. T. and R. S. Ludri	1987	Effect of oxytocin administration at different frequencies of feeding and milking on yield and organic constituents of milk in crossbred cows.	International Journal of Animal Sciences	2(2): 109 – 112	
19	Talvelkar, B. A.	1988	Studies on certain aspects of eggs in the purebred strains of White Leghorn, Australorp and their crosses, White – Austro.	I.A.L.V. Bulletin	2: 27 – 32	
20	Deshmukh, B. T. and R. S. Ludri	1989	Citric acid in milk of crossbred cows at different frequencies of milking and stages of lactation.	Indian J. Anim. Sci.	59(4): 474 – 475	6.40
21	Deshmukh, B. T.	1989	Effect of radioactive contamination on animal and public health.	Dairy Guide	12(10-12): 25 – 27	
22	Deshmukh, B. T. and R. S. Ludri	1990	Some observations on water consumption and body weights in crossbred cows fed and milked at varying intervals.	Indian J. Dairy Sci.	43(2): 160 – 163	5.24
23	Kulkarni, B. A., B. A. Talvelkar, R. V. Kaushik, S. S. Gokani, D. D. Patankar and B. S. Kulkarni	1990	Studies on blood metabolic profiles in Gir, Rath, Kankrej and Harayana lactating cows.	J. Vety. Physiol & Allied Sci.	1: 16 – 27	
24	Bhangale, P. B., V. G. Joshi, B. A. Kulkarni, B. A. Talvelkar and B. T. Deshmukh	1990	A study of effects of some climatic factors on physiological responses in Gir and crossbred lactating cows.	Indian J. Dairy Sci.	43: 282 – 286	5.24
25	Deshmukh, B. T. and R. S. Ludri	1991	Influence of equal hours of feeding and milking on secretion of milk in lactating crossbred cows.	Indian J. Dairy Sci.	44(2): 147 – 150	5.24
26	Deshmukh, B. T., V. G. Joshi, M. D. Patil, B. A. Talvelkar and A. J. Mhatre	1991	Induced lactation in dairy cattle for increased milk production: Effect on major milk constituents.	Indian J. Dairy Sci.	45: 110 – 113	5.24
27	Joshi, V. G., N. A. Rajwade, N. K. Desai and B. A. Talvelkar	1992	The study of indigenous and White Leg Horn layers in their key physiological states.	Indian J. Anim. Sci.	62: 629 – 634	6.40
28	Patil M. D., B. A. Talvelkar, V. G. Joshi and B. T. Deshmukh	1992	Haematological studies in Murrah buffaloes.	Indian Vet. J.	69: 661 – 663	4.99
29	Patil M. D., B. A. Talvelkar, V. G. Joshi and B. T. Deshmukh	1992	Haematological studies in Murrah buffaloes: TLC, DLC and micrometry of leucocytes.	Indian Vet. J.	69: 760 – 761	4.99



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30	Kulkarni, B. A, B. A. Talvelkar, R. V. Kaushik, S. S. Gokani, D. D. Patankar and B. S. Kulkarni	1993	Studies on blood metabolic profiles in crossbred lactating cows.	Indian J. Anim. Sci.	63: 716 – 719	6.40
31	Kulkarni, B. A. and B. A. Talvelkar	1993	Blood metabolic profiles in crossbred lactating cows.	Indian J. Anim. Sci.	63(7): 716 – 719	6.40
32	Deshmukh, B. T., V. G. Joshi, R. R. Katkam and C. P. Puri	1993	Hormonal induction of lactation in dairy cattle: Major milk constituents and oestradiol and progesterone levels in serum and milk.	Indian J. Anim. Sci.	63(6): 611 – 617	6.40
33	Manzoor, M., B. T. Deshmukh, V. G. Joshi B. A. Kulkarni, B. A. Talvelkar, D. N. Pahuja, A. V. Borkar and A. M. Samuel	1994	Concentration of some major elements in blood plasma and milk of crossbred cows during different stages of lactation.	Indian J. Dairy Sci.	47: 94 – 98	5.24
34	Kulkarni, B. A., B. T. Deshmukh, R. R. Katkam and C. P. Puri	1994	Follicular fluid steroid hormone levels of the Indian buffalo.	Buffalo Journal	1: 71 – 74	
35	Deshmukh, B. T. and R. S. Ludri	1994	Influence of frequency of feeding and milking on dry matter intake, milk yield and composition in crossbred cows.	Indian J. Anim. Sci.	64(9): 992 – 995	6.40
36	Jagdale, D. S., B. A. Talvelkar, A. M. Mantri and B. T. Deshmukh	1995	Studies on lipid profile in crossbred cows.	Indian J. Dairy Sci.	48: 96 – 98	5.24
37	Dalvi, S. H., B. T. Deshmukh, A. M. Mantri and B. A. Talvelkar	1995	Concentration of blood serum thyroid hormones during late pregnancy, parturition and early lactation in crossbred cows.	Indian J. Anim. Sci.	65: 15 – 19	6.40
38	Bansode, P. D., A. M. Mantri, B. T. Deshmukh and B. A. Talvelkar	1996	Effect of intramuscular injection of oxytocin on milk production and its constituents.	Indian J. Dairy Sci.	40: 718 – 720	5.24
39	Deshmukh, B. T. and R. S. Ludri	1996	Dry matter consumption and milk production of crossbred cows as influenced by the environmental variables.	Indian J. Dairy Sci.	49(10): 648 – 653	5.24
40	Jagdale, D. S., B. A. Talvelkar, A. M. Mantri and B. T. Deshmukh	1996 – 98	Studies on estradiol –17 β and progesterone in crossbred cows.	J. Bombay Vet. Coll.	6: 41 – 43	
41	Deshmukh, B. T. and A. M. Mantri	1997	Thyroid hormones concentration during lactation in cows.	Indian J. Anim. Sci.	67(10): 880 – 881	6.40
42	Dalvi, S. H., A. M. Mantri, B. A. Talvelkar, S. V. Bharucha, L. R. Gadhave and S. D. Ingole	1998	Haematological studies on Indian camel (<i>Camelus dromedarius</i>) under hot humid climate of Konkan region.	Indian Vet. J.	75: 117 – 119	4.99



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43	Bhere, S. K., B. T. Deshmukh, A. S. Nagvekar and B. A. Talvelkar	1997	Effect of bovine somatotropin on production parameters in cows.	Indian J. Anim. Sci.	67: 897 – 901	6.40
44	Deshpande, S. M., A. M. Mantri, B. A. Talvelkar and B. T. Deshmukh	1998	Studies on macroelements during gestation and early postpartum period in Gir and crossbred cows.	Indian J. Dairy Sci.	51: 275 – 279	5.24
45	Garje, V. D., B. A. Talvelkar, A. M. Mantri and B. T. Deshmukh	1999	Effect of exogenous bovine somatotropin on sodium, potassium and chloride contents of milk of lactating crossbred cows.	Indian J. Anim. Sci.	69: 482 – 484	6.40
46	Ingole, S. D., B. A. Talvelkar, B. T. Deshmukh and A. S. Nagvekar	1999	Serum enzyme profile during gestation and early lactation in Gir and crossbred cows.	Indian J. Anim. Sci.	69: 479 – 481	6.40
47	Gadhve, L. R., A. M. Mantri, B. A. Talvelkar, and B. T. Deshmukh	2000	Serum protein profile during gestation and early postpartum period in Gir and crossbred cows.	Indian Vet. J.	77: 114 – 116	4.99
48	Atak, B. V., B. A. Talvelkar, B. T. Deshmukh, A. S. Nagvekar and S. P. Patil	2000	Serum enzyme profile during growth in Gir and crossbred calves.	Indian Vet. J.	77: 300 – 302	4.99
49	Patil, S. P., B. A. Talvelkar, B. T. Deshmukh, Nagvekar, A. S. and B. V. Atak	2000	Studies on some blood values during growth in Gir and crossbred calves.	Indian Vet. J.	77: 296 – 299	4.99
50	Vadnere, N. B., B. T. Deshmukh, B. A. Talvelkar, A. S. Nagvekar and S. R. Chinchkar	2000	Induced hypothyroidism in goats.	Indian J. Anim. Sci.	70(6): 600 – 602	6.40
51	Harlikar, M. N., S. D. Ingole and B. A. Talvelkar	2000	Studies on serum iron and copper levels in crossbred female calves and heifers.	The Veterinarian	24: 5 – 6	
52	Harlikar, M. N., B. A. Talvelkar, B. T. Deshmukh, A. S. Nagvekar and S. D. Ingole	2000	Trace elements profile during growth in crossbred calves and heifers.	Indian J. Anim. Sci.	70(11): 1147 – 1149	6.40
53	Deshmukh, B. T., A. S. Nagvekar, B. A. Talvelkar, S. A. Dalvi and S. R. Chinchkar	2001	Effect of bovine somatotropin on blood serum minerals, thyroid hormones and reproductive performance of lactating crossbred cows.	Indian J. Anim. Sci.	71(7): 663 – 66	6.40
54	Bharucha, S. V., B. T. Deshmukh, A. S. Nagvekar and B. A. Talvelkar	2001	Effect of bovine somatotropin on blood serum protein profile in lactating crossbred cows.	Indian J. Anim. Sci.	71(7): 667 – 669	6.40



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55	Bhide, S. V., B. T. Deshmukh, B. A. Talvelkar and A. S. Nagvekar	2001	Effect of induced hypothyroidism on blood biochemical constituents in goats.	Indian Veterinary Journal	78: 205 – 208	4.99
56	Vadnere, N. B., B. T., Deshmukh, B. A. Talvelkar and A. S. Nagvekar	2002	Effect of induced hypothyroidism on haematological parameters in goats.	Indian J. Anim. Sci.	72(2): 151 – 153	6.40
57	Sonawane, N. S., B. A. Talvelkar, A. S. Nagvekar, S. V. Bharucha and B. T. Deshmukh	2002	Effect of recombinant bovine somatotropin on the blood lipid profile in lactating crossbred cows.	Indian J. Anim. Sci.	72(4): 306 – 308	6.40
58	Mehere, Y. S., B. A. Talvelkar, B. T. Deshmukh, A. S. Nagvekar and S. D. Ingole	2002	Haematological and trace elements profile during peripartum period in crossbred cows.	Indian J. Anim. Sci.	72: 148 – 150	6.40
59	Nalavade, S. B., B. A. Talvelkar, B. T. Deshmukh, A. S. Nagvekar, S. D. Ingole and N. B. Vadnere	2002	Comparative study of blood serum lipid profile in buffalo and cow bulls.	J. Bombay Vet. Coll.	10: 15 – 18	
60	Bahiram, K. B., B. A. Talvelkar, B. T. Deshmukh, A. S. Nagvekar and S. D. Ingole	2002	Mineral profile during growth in crossbred calves and heifers.	J. Bombay Vet. Coll.	10: 25 – 27	
61	Nikam, S. R., B. T. Deshmukh, N. B. Vadnere, A. S. Nagvekar, S. D. Ingole and S. V. Bharucha	2005	Comparative appraisal of seminal plasma lipid profile in buffalo and cow bulls.	J. Bombay Vet. Coll.	13 (1&2): 46 – 49	
62	Bidye, S. V., B. T. Deshmukh, N. B. Vadnere, A. S. Nagvekar, S. D. Ingole and S. V. Bharucha	2005	Comparative appraisal of serum thyroid hormones in buffalo and cow bulls.	J. Bombay Vet. Coll.	13(1&2) : 57 – 59	
63	Kancharla, S. B., B. T. Deshmukh, N. B. Vadnere, A. S. Nagvekar and S. D. Ingole	2006	Comparative appraisal of seminal plasma trace elements in buffalo and cow bulls.	Indian J. Anim. Sci.	76(2): 137 – 138	6.40
64	Talvelkar, B. A., R. R. Patil, S. D. Ingole, S. V. Bharucha and L. D. Pawar	2006	Haematological profile of buffaloes during peripartum period.	J. Bombay Vet. Coll.	14(1&2) : 75 – 77	
65	Talvelkar, B. A., R. R. Patil, S. D. Ingole, S. K.	2006	Haematological profile of buffaloes during gestation and lactation.	J. Bombay Vet. Coll.	14(1&2) : 93 – 95	



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	Bhere and S. V. Bharucha					
66	Talvelkar, B. A., R. R. Patil, S. D. Ingole and S. V. Bharucha	2007	Influence of enzymes on milk production and reproductive efficiency.	Intas Polivet	8(1): 185 – 187	
67	Dhaware, S. D., B. T. Deshmukh, A. S. Nagvekar and S. D. Ingole, S. H. Dalvi and Shiny Joy	2007	Biochemical profile of buffalo follicular fluid.	Buffalo Journal	1: 19 – 28	
68	Talvelkar, B. A., R. R. Patil, S. D. Ingole and S. V. Bharucha	2008	Serum enzymatic profile of buffaloes during gestation, lactation and peripartum period.	Indian J. Anim. Sci.	78(3): 247 – 250	6.40
69	Talvelkar, B. A., R. R. Patil, S. D. Ingole and S. V. Bharucha	2008	Trace element profile during gestation, lactation and peripartum period in buffaloes.	Indian J. Anim. Sci.	78(8): 811 – 813	6.40
70	Tripathi, P. M., S. D. Ingole, B. T. Deshmukh, A. S. Nagvekar and S. V. Bharucha	2010	Serum lipid profile during lactation in buffalo.	Indian J. Anim. Sci.	80(3): 217 – 219	6.40
71	Ingole, S. D., B. T. Deshmukh, A. S. Nagvekar and S. V. Bharucha	2011	Endocrine profile from birth to puberty in buffalo calves and heifers.	Indian J. Anim. Sci.	81(6): 563 – 569	6.40
72	Ingole, S. D., B. T. Deshmukh, A. S. Nagvekar and S. V. Bharucha	2012	Serum profile of thyroid hormones from birth to puberty in buffalo calves and heifers.	Journal of Buffalo Science	1(1) : 39 - 49	7.14
73	Nagvekar, A. S., B. T. Deshmukh, D. B. Jagtap and S. D. Ingole	2012	Profiles of serum somatotropin, gonadotropins, ovarian steroids and thyroidal hormones during gestation of Murrah buffalo.	Indian Veterinary Journal	89 (4) : 63 - 66	4.99
74	Mahanvar, T. P., S. D. Ingole, B. T. Deshmukh, A. S. Nagvekar and S. V. Bharucha	2012	Serum enzyme profile during gestation and early post-partum period in goats.	Indian J. Anim. Sci.	82 (6) : 599 - 601	6.40
75	Debbarma, S., B. T. Deshmukh, A. S. Nagvekar and S. D. Ingole	2013	Profile of progesterone and thyroidal hormones in serum during gestation and early postpartum period in Osmanabadi goats.	The Indian Journal of Small Ruminants	19 (1) : 40 – 44	4.89
76	Meshram, P. V., S. D. Moregaonkar, M. M. Gatne, R. V. Gaikwad, R. J. Zende, S. D. Ingole and G. R. Vange	2013	Acute toxicity study of aqueous and ethenolic extracts of Costus pictus D. Don and Enicostema littorale Blum in rats.	J. Bombay Vet. Coll.	20(2) : 27 - 33	2.18
77	Managuli, S. S., A. S. Nagvekar, S. D. Ingole and S. V. Bharucha	2014	Somatic cell count and major elements in milk during lactation in buffaloes.	Indian J. Anim. Sci.	84(7) : 797 – 798	6.40



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78	Desai, J. G., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2014	Effect of chromium on lactation performance and cortisol concentration in buffaloes	J. Bombay Vet. Coll.	21(1) : 30 - 34	2.67
79	Sangekar, S. V., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2014	Effect of supplemental chromium on serum cortisol and growth weight in Sirohi goat kids	J. Bombay Vet. Coll.	21(2) : 67 - 72	2.67
80	Patil, A. D., P. L. Dhande, B. T. Desmukh, S. A. Bakshi, A. S. Ranade and S. D. Ingole	2014	Blood serum biochemical profile of WLH layers before and after uropygelectomy	J. Bombay Vet. Coll.	21(2) : 59 - 67	2.67
81	Mundekar, A.S., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2014	Serum Protein Profile in Different Disease Conditions	Indian Veterinary Journal	91(10): 53 – 54	4.99
82	Patil, M. P., A. S. Nagvekar, S. D. Ingole, S. V. Bharucha and V. T. Palve	2015	Somatic cell count and alkaline phosphatase activity in milk for evaluation of mastitis in buffalo	Veterinary World	8(3): 363 – 366	5.10
83	Nagvekar, A.S., B. T. Deshmukh, D. B. Jagtap and S. D. Ingole	2015	Profile of growth hormone, FSH, LH and steroid hormones during gestation in Murrah buffalo	Indian Journal of Animal Research	49(4): 546 – 549	6.04
84	Salve, R. R., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha and N. R. Dagli	2016	Pregnancy associated protein and progesterone concentrations during early pregnancy in Sirohi goats	Small Ruminant Research	141: 45 – 47	7.61
85	Patel, P., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2016	Serum protein profile during different stages of gestation in crossbred calves	J. Bombay Vet. Coll.	23(2): 15 – 20	2.67
86	Meshram, P. V., S. D. Moregaonkar M. M. Gatne, R. V. Gaikwad, R. J. Zende, S. D. Ingole and G. R. Vanage	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(21): 426 – 434	5.21
87	Kekan, P. M., S. D. Ingole, S. D. Sirsat, S. V. Bharucha, S.D. Kharde and A.S. Nagvekar	2017	The role of pheromones in farm animals - A review	Agricultural Reviews	38(2): 83 – 93	4.37



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88	Mohapatra, S. P., S. D. Ingole, S. V. Bharucha, A. S. Nagvekar, P. M. Kekan and S. D. Kharde	2017	Changes in urinary dipstick parameters in cyclic and early pregnant Murrah buffaloes	The Pharma Innovation Journal	6(7): 08 – 10	5.03
89	Mohapatra, S. P., S. D Ingole, S. V Bharucha, A. S Nagvekar, P. M Kekan and S. D Kharde	2017	Measurements of Pregnanediol-3-glucuronide and urinary parameters in cyclic and early pregnant Murrah buffaloes	J. Entomol. Zool. Stud.	5(6): 656 – 658	5.53
90	Chaudhari, R. J., S. U. Gulavane, M. N. Rangnekar, M. M. Gatne, S. D. Ingole and R. S. Jawale	2017	Effect of endometritis diagnosed by cytology on reproductive parameter in postpartum crossbred cows	International Journal of Current Microbiology and Applied Sciences	6(8): 2585 – 2590	5.38
91	Kumbhar, U. B., S. U. Gulavane, S. M. Gaikwad, R. R. Shelar, D. U. Lokhande and S. D. Ingole	2017	Relationship of ultrasonographic testicular biometry with body weight, scrotal circumference in pre and post pubertal Osmanabadi bucks	International Journal of Livestock Research	7(11): 206 – 214	5.36
92	Kekan, P. M., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha, S. D. Kharde, S. U. Gulavane and R. J. Chaudhari	2018	Follicular dynamics during estrous cycle in Murrah buffaloes	Journal of Animal Research	8(4): 593 – 596	5.43
93	Kapale, P. M., A. S. Nagvekar, P. L. Dhande, S. D. Ingole, N. R. Dagli, B. N. Ramteke and G. M. Gadegaonkar	2018	Influence of seasons on seminal attributes of crossbred bulls and its implications on fresh, diluted and cryopreserved semen	IJVSBT	14(1): 43 – 46	5.25
94	Sirsat S., S. D. Ingole, A. S. Nagvekar, P. M. Kekan, S. D. Kharde and S. V. Bharucha	2018	Histopathology of lactating, non-lactating and mastitis buffalo mammary gland tissue.	Int. J. Livest. Res.	8(11): 125 – 131	5.36
95	Bharkad, G. P., H. Y. Palampalle, B. W. Narladkar, A. S. Bannalikal, R. J. Zende and S. D. Ingole	2018	Effect of herbal acaricides on hatchability of eggs of deltamethrin and amitraz resistant cattle tick Rhipicephalus microplus	J. Entomol. Zool. Stud.	6(5): 629 – 633	---
96	Bharucha, S. V., S. D. Ingole, A. S. Nagvekar,	2018	Serum protein profile in lactating Murrah buffaloes during lactation in Konkan region.	J. Bombay Vet. Coll.	25(2): 55 – 61	---



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	P. M. Kekan and S. D. Kharde					
97	Kulkarni, A. V., A. S. Nagvekar, S. D. Ingole, S. V. Bharucha, P. M. Kekan, S. D. Kharde and N. R. Dagli	2019	Interleukin 1 β (IL-1 β) and protein profile during different stages of gestation in buffalo.	Buffalo Bulletin	38(1): 41 – 48	6.20
98	Waghmare, R. N., A. M. Paturkar, V. M. Vaidya, R. J. Zende and S. D. Ingole	2019	Quantifying the Salmonella spp. at critical stages of poultry processing by miniature MPN techniques (mMPN).	J. Entomol. Zool. Stud.	7(2): 1089 – 1093	
99	Kekan, P. M., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha and S. D. Kharde	2019	Evaluation of anti-mullerian hormone in heifers and anestrus Murrah buffaloes.	Indian J. Anim. Sci.	89(7): 718 – 721	6.40
100	Wakade, B. A., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2019	Effect of toxin binders on immunity and aflatoxin M1 residues in milk in buffaloes.	Indian J. Anim. Sci.	89(9): 944 – 950	6.40
101	Kekan, P. M., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha and S. D. Kharde, D. P. Kadam, C. N. Galdhar, P. S. Masare and S. G. Deshmukh	2019	Evaluation of anti-Mullerian hormone, antral follicle count and progesterone concentration during estrous cycle in Murrah buffaloes.	Indian J. Anim. Sci.	89(11): 1200 – 1204	6.40
102	Bharkad, G. P., H. Y. Palampalle, B. W. Narladkar, A. S. Bannalikar, R. J. Zende, S. D. Ingole, S. Y. Shirale and Anup Kumar Patil	2019	Hatchability of eggs of deltamethrin and amitraz resistant cattle tick Rhipicephalus microplus of Maharashtra state on treatment with acaropathogenic fungus Metarhizium anisopliae	J. Entomol. Zool. Stud.	7(4): 38 – 41	
103	Kekan, P. M., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha and S. D. Kharde	2020	Determination of anti-mullerian hormone in serum and ovarian histopathology of buffaloes.	Indian J. Anim. Sci.	90(4): 90 – 92	6.40
104	ChaithraShree, A. R., S. D. Ingole, V. D. Dighe, A. S. Nagvekar, S. V. Bharucha, N. R. Dagli, P. M. Kekan and S. D. Kharde	2020	Effect of melatonin on bovine sperm characteristics and ultrastructure changes following cryopreservation.	Veterinary Medicine and Science	6: 177 – 186	IF 2.1
105	Kekan, P. M., S. D. Ingole, A. S. Nagvekar, S. V. Bharucha and S. D. Kharde	2020	Evaluation of anti-Mullerian hormone in regular and repeat breeding Murrah buffaloes during estrous cycle.	Indian J. Anim. Sci.	90(7): 1009 – 1010	6.40
106	Mohit Jain, S. D. Ingole, R. S. Deshmukh, S. V. Bharucha, A. S. Nagvekar, R. V. Gaikwad and S. D. Kharde	2021	CEA, CA 15-3, and miRNA expression as potential biomarkers in canine mammary tumors.	Chromosome Research	29: 175 – 188	IF 2.4



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107	Arote, S. S., M. B. A. Siddiqui, A. H. Kodape, S. D. Ingole and M. D. Kharwadkar	2021	Effects of different stages of lactation on milk components of Murrah buffalo.	The Pharma Innovation Journal	10(2): 91 – 96	
108	Das, P. K., G. D. V. Pandiyan, T. Parkunan, S. D. Ingole, A. K. Patra, P. R. Ghosh, A. Goswami	2021	Impact of COVID-19 pandemic on academic aspects of veterinary students of India.	The Journal of Agricultural Education and Extension	28(3): 309 – 324	
109	Kharde, S. D., S. D. Ingole, P. M. Kekan, S. V. Bharucha and A. S. Nagvekar	2021	Seasonal evaluation of semen in Holstein Friesian cross breed bulls.	Ruminant Science	10(2): 329 – 332	4.45
110	Khiratkar, K. P, S. S. Sole, P. N Patil, R. V. Gaikwad, S. V. Bharucha, K. Garud and S. Umap	2021	Assessment of formaldehyde in various fish and fish products by validation of reverse-phase high pressure liquid chromatography (HPLC) method.	Indian Veterinary Journal	97(12): 21 – 25	4.99
111	Virendra, A., S. U. Gulavane, R. J. Chaudhari, S. M. Gaikwad, R. R. Shelar, S. D. Ingole, V. D. Thorat, Z. A. Ahmed and R. Reddy	2022	Analysis of HSP-90, Annexin A1 and Annexin A2 biomarkers in healthy mares and mares suffering from endometritis.	The Pharma Innovation Journal	11(2): 495 – 499	
112	Kapale, P. M., A. S. Nagvekar, P. M. Kekan, B. N. Ramteke, N. R. Dagli, S. D. Ingole and G. M. Gadegaonkar	2022	Effect of seasons on seminal plasma enzymes and testosterone concentration in Holstein Friesian X Gir crossbred bulls.	The Pharma Innovation Journal	11(6): 1816 – 1819	
113	Mahile, V., P. D. Gadhave, D. P. Kadam, P. V. Meshram, S. D. Ingole, D. A. Pawalkar and V. D. Thorat	2022	Prevalence and histopathological investigation of pneumonia in slaughtered goats.	The Pharma Innovation Journal	11(7): 2030 – 2033	
114	Gahlot, Deepak, S. D. Ingole, S. V. Bharucha, R. R. Pharande, N. R. Dagli, S. D. Kharde and Manisha Singodi	2022	Quantification of kisspeptin and progesterone concentrations in ovulatory and anovulatory buffaloes.	The Pharma Innovation Journal	11(7): 3526 – 3530	
115	Bharucha, S. V., S. D. Ingole, P. M. Kekan, S. D. Kharde and Deepak Gahlot	2022	Correlation of some blood metabolites with THI in lactating Murrah buffaloes during one lactation.	The Pharma Innovation Journal	11(7): 4534 – 4538	
116	Suryawanshi, A. A., D. A. Pawalkar, S. D. Ingole, H. Y. Palampalle, V. M. Vaidya and S. A. Ingle	2022	Prevalence study of bovine theileriosis in Satara and Solapur District of Maharashtra	The Pharma Innovation Journal	11(9): 2572 – 2574	
117	Bhuyan, Mandakranta, S. D. Ingole, S. V. Bharucha, K. L.	2022	Biotechnology for animal ecology.	Trends in Agriculture Science	1(6): 242 – 246	



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	Yoshitha and V. S. Khapre					
118	Virendra, Aeknath, S. U. Gulavane, Z. A. Ahmed, R. Reddy, R. J. Chaudhari, S. M. Gaikwad, R. R. Shelar, S. D. Ingole, V. D. Thorat, A. Khanam and F. A. Khan	2022	Metagenomic analysis unravels novel taxonomic differences in the uterine microbiome between healthy mares and mares with endometritis.	Veterinary Medicine and Science	10(2): e1369	IF 2.1
119	Bharucha, S. V., S. D. Ingole, P. M. Kekan, S. D. Kharde	2023	Assessment of hormone status during complete lactation in Murrah buffaloes.	Indian J. Anim. Sci.	93(11): 1123 – 1125	6.40
120	Bhuyan, M., S. D. Ingole, S. V. Bharucha, S. D. Kharde, K. L. Yoshitha and V. S. Khapre	2023	Physiological significance of faster availability and absorption of phosphorus in ruminants.	Veterinary Today	1(4): 47 – 51	---
121	Lathesh, K. B., N. R. Dagli, S. U. Gulavane, S. M. Gaikwad, S. V. Bharucha, R. R. Rohi	2023	Tocodynamometric study of uterine contractions during parturition in queens.	Iranian Journal of Veterinary Research	24(2)83 : 151 – 156	7.20
122	Aeknath Virendra, S. U. Gulavane, Z. A. Ahmed, V. D. Thorat, R. J. Chaudhari, S. M. Gaikwad, R. R. Shelar, S. D. Ingole, A. Khanam and F. A. Khan	2023	Identification and antimicrobial susceptibility of uterine bacterial isolates from mares with endometritis in India.	Egyptian Journal of Veterinary Sciences	54(2): 287 – 295	
123	Eshwari Sonar, V. H. Shukla, V. M. Vaidya, R. J. Zende, S. D. Ingole	2023	Nanoparticles of chitosan and oregano essential oil: application as edible coatings on chicken patties.	J Food Sci. Technol.	60: 2868 – 2880	9.10
124	Jadhav, A. B., S. D. Ingole, S. V. Bharucha, K. L. Yoshitha, R. V. Gaikwad, R. R. Pharande, S. D. Kharde	2024	Milk miRNA expression in buffaloes as a potential biomarker for mastitis.	BMC Veterinary Research	20(1): 150	8.60
125	Kherkar, T. T., G. S. Khandekar, S. D. Tripathi, S. V. Gaikwad, S. V. Bharucha, V. M. Vaidya, V. D. Thorat and D. Saini	2024	Comparative study of platelet rich plasma therapy and tilapia fish skin biological bandages for wound healing in cats.	International Journal of Veterinary Sciences and Animal Husbandry	9(4): 38 – 43	4.61
126	Mundhe, M. B., S. H. Dalvi, S. V. Bharucha, S. T. Hande and S. Gawandi	2024	Serum thyroid hormones and lipid profile levels and their correlation at different lactation stages of Murrah buffalo.	Int. J. Adv. Biochem. Res.	SP-8(7): 914 – 917	
127	Kapale, P. M., G. M. Gadegaonkar, A. S. Nagvekar, S. D. Ingole, S. V. Bharucha, K. N. Pawankar, S. Y. Shirale	2024	Influence of seasons on cow bull seminal plasma testosterone and proteins.	International Journal of Veterinary Sciences and	9(1): 1370 – 1374	4.61



MAFSU, Template – College Website(s)

				Animal Husbandry		
128	Karhale, V. S., S. S. Sole, S. M. Ghadigaonkar, R. V. Gaikwad, P. V. Meshram, S. V. Bharucha, V. P. Mote, S. Y. Shirale, S. S. Chavan, P. Joshi, S. S. Jadhav and H. Y. Palampalle	2024	Catechin enhances the antitumour activity of Bleomycin in DMBA-induced mammary carcinoma in rats.	International Journal of Veterinary Sciences and Animal Husbandry	9(1): 163 – 169	8.37
129	Yoshitha, K. L., S. D. Ingole, S. V. Bharucha, Mandakranta Bhuyan, R. R. Pharande, R. V. Gaikwad	2025	Expression and characterization of exosomal miRNAs in healthy, sub-clinical mastitis and pasteurized milk of buffaloes.	Nature Scientific Reports	15: 1915	IF 3.8

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal / Magazine	Volume: Page Nos.
1	Deshmukh, B. T.	1989	Tin Vela Dudh Kadhun Dudhacha Adhik Utpadan	Shetkari Magazine March Issue	23 – 24
2	Deshmukh, B. T.	2000	Somatotropin and lactation	ISSRF Newsletter July	18 – 19
3	Ingole, S. D.	2006	Dos and Don'ts in First Aid	Dogs and Pups	14 – 15
4	Kekan, P. M., S. D. Ingole, S. V. Bharucha and A. S. Nagvekar	2015	The role of pheromones and biostimulations in reproduction of farm animals	Pashudhan	43(9): 4
5	Kekan, P. M., S. D. Ingole, S. V. Bharucha, S. D. Kharde and A. S. Nagvekar	2016	The role of estrogen in male reproduction	Pashudhan	44(1): 1
6					

6. Research Recommendations



**MAFSU,
Template – College Website(s)**

Sr. No.	1
Year	2017 – 2018
Project Title	Effect of melatonin on bovine sperm characteristics and ultrastructure changes
Investigators	A. R. Chaithrashree and S. D. Ingole
Recommendations	It is recommended that, addition of a cryopreservation extender with 0.1 mM Melatonin provides a cryoprotective effect on bull sperm quality.

Sr. No.	2
Year	2018 – 2019
Project Title	Evaluation of anti mullerian hormone in heifers, normo-ovulatory and anovulatory buffaloes
Investigators	Dr. P. M. Kekan, Dr. S. D. Ingole, Dr. A. S. Nagvekar, Dr. S. V. Bharucha, Dr. S. D. Kharde
Recommendations	It is recommended that the concentration of anti mullerian hormone (AMH) in blood- serum can be useful to predict fertility of Murrah buffaloes and its concentration up to 200 pg/ml blood-serum can be cut-off value to predict the future fertility potential of heifers and young adult Murrah buffaloes.

Sr. No.	3
Year	2019 – 2020
Project Title	EA, CA 15-3 and miRNA expression as biomarkers in canine mammary tumours.
Investigators	Mohit Jain, S. D. Ingole, S. V. Bharucha, A. S. Nagvekar, S. D. Kharde, R. S. Deshmukh and R. V. Gaikwad
Recommendations	It is recommended that Presence of Cancer Antigen (CA) 15:3 along with Carcino Embryonic Antigen (CEA) in serum can be useful for detecting asymptomatic canine mammary tumors and expressing miR-21 and miR-29b can be valuable prognostic biomarker in canine mammary tumors.

Sr. No.	4
Year	2022 – 2023
Project Title	Application of scrotal infrared thermography for determination of seasonal effects on certain semen characteristics in bulls.
Investigators	S. D. Kharde, S. D. Ingole, S. V. Bharucha, M. P. Sawane and R. J. Zende
Recommendations	It is recommended that scrotal infra-red thermography (IRT) should be adopted as an indirect tool to know the effect of the environment on sperm physical and quantitative characteristics

Sr. No.	5
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**MAFSU,
Template – College Website(s)**

Year	2022 – 2023
Project Title	Milk miRNA expression in buffaloes as a potential biomarker for mastitis
Investigators	Abhishek Jadhav, S. D. Ingole, S. V. Bharucha, S. D. Kharde, R. V. Gaikwad and R. S. Deshmukh
Recommendations	It is recommended that miR-146a and miR-383 can be used as diagnostic biomarkers for early detection of mastitis, even in CMT –ve samples

7. MOU signed by the Colleges

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

8. Research Priorities / Thematic areas: Department Wise

- ❖ Buffalo immunology (First in the world).
- ❖ miRNAs for milk quality improvement, fertility marker, prognostic biomarkers for mastitis as well as mammary tumours
- ❖ Fertility and early pregnancy prediction
- ❖ Haematological (blood, serum metabolites, trace elements and hormones) milk, semen and humoral immune status profiling.

9. Significant Research Achievement:

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