

Research: Veterinar Biochemistry

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	Physiochemical changes in cow milk constituents related to udder health status	Dr. N.S.Mangle	M.V.SC. Research	--	Intra-Mural	Completed	6 months
2	Enzymatic changes in cow milk related to udder health status.	Dr.S.W.Bonde	M.V.SC. Research	----	Intra-mural	Completed	6 Months
3	Enzymatic changes in goat milk related to udder health status.	Dr.S.W.Bonde	M.V.SC. Research	---	Intra-mural	Completed	6 Months
4	Enzymatic alterations in goat milk related to udder health status.	Dr.S.W Bomde	M.V.SC. Research		Intra-mural	Completed	6 months
5	Enzymatic alterations in cow milk related to udder health status.	Dr. S. W. Bonde	M.V.SC. Research		Intra-mural	Completed	6 months
6	Enzymatic alterations in buffalo milk related to udder health status	Dr.N.S,Mangle	M.V.SC. Research		Intra-mural	Completed	6 months
7	Evaluation of udder health in relation to enzymatic changes in milk of non-descript sheep of Buldhana district	Dr.Mohini Khodke	M.V.SC. Research-		Intra-mural	Completed	6 months
8	Study on Serum	Dr.Mohini	M.V.SC.	---	Intra-mural	Completed	6

	ionized calcium and some biochemical parameters during peripartum period on berari Goat.	Khodke	Research				months
9	Effect of cow urine distillate fortified with curcuma amada extract therapy in subclinical mastitis cow	Dr. P.M.. Kpale	M.V.SC. Research	-----	Intramural	Completed	6 months
10	Study of Serum Biochemical Profile In lactating Purnathadi Buffaloes.	Dr.P.M.Kapale	M.V.SC. Research	----	Intra-mural	Completed	6 months

2. List of Private Agency Projects:Nil

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

2. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1				
2				
3				

3. Thesis:

Master:

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

1	Kaustubh Dilip Hange	Physiochemical changes in cow milk constituents related to udder health status	2004	Dr. N.S.Mangle
2	Ravindra Bajirao Ambade	Enzymatic changes in cow milk related to udder health status.	2005	Dr.S.W.Bonde
3	Madhuri Ghodake	Enzymatic changes in goat milk related to udder health status.	2006	Dr.S.W.Bonde
4	Mohini Khodke	Enzymatic alterations in goat milk related to udder health status.	2007	Dr.S.W Bomde
5	Shrikant. Hari Vyavhare	Enzymatic alterations in cow milk related to udder health status.	2008	Dr. S. W. Bonde
6	Sani Nandi	Enzymatic alterations in buffalo milk related to udder health status	2010	Dr.N.S,Mangle
7	Sapana Sudam Paithane	Evaluation of udder health in relation to enzymatic changes in milk of non-descript sheep of Buldhana district	2013	Dr.Mohini Khodke
8	Sunita Bhoite	Study on Serum ionized calcium and some biochemical parameters during peripartum period on berari Goat.	2018	Dr.Mohini Khodke
9	Kajal Shinde	Effect of cow urine distillate fortified with curcuma amada extract therapy in subclinical mastitis cow	2024	Dr. P.M.. Kpale
10	Abhishek Solanke	Study of Serum Biochemical Profile In lactating Purnathadi Buffaloes.	2025	Dr.P.M.Kapale

Doctoral:Nil

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

4. Research Papers Published:

List of Research Publications:

Sr. No.	Authors	Year	Title of the Research Paper	Name of the Journal	Volume; Page	NAAS Rating,
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					Nos.	if any
1	SunitaBhoite, MohiniKhodke SantoshDalvi	2019	Protein profile during peripartum period in Berari goat	Chemical Science Review and Letters	8(29), 48-52	5.21
2	Priyanka tikore , PravinRathod, R.S.Ingole, K.K.Khose, M.V.Khodke	2019	Protective effect of (Ashwagandha) Withaniasomnifera root powder on general performance and hematological profile against fenvalerate induced toxicity in cockerels.	Journal of Entomology and Zoology study.	7(1):289 -294	5.53
3	PriyankaTikore PravinRathod, R.S.Ingole, M.V.Khodke K.K.Khose,	2019	Toxicity of fenvalerate on immune system and immune-modulatory effects of Withaniasomnifera (Ashwagandha)in cockerels	Indian Journal of Vety.Pathology	Vol.43, Issue 2 ,April-June-2019	5.48
4	S.H.Bhoite, M.V.Khodke , S.H.Dalvi, P.S.Kuralkar, M.G.Pattil	2019	Serum Ionized Calcium and Macro Minerals Levels during peripartum period in Berari Goat.	International Journal of Livestock Research	ISSN:2277-1964, Vol.9(6)	5.36
5	P.V.Tikore, P.R.Rathod, R.S.Ingole, M.V.Khodke , K.K.Khose	2019	The protective effects of Withaniasomnifera on biochemical profile of hepatorenal and endocrine system in fenvalerate exposed cockrels	Journal of Entomology and Zoology Studies.	7(5):1174-1177	5.53
6	Dr.Manjusha Patil, Dr.PankajHase, Dr.Mohini Khodke ,	2024	A rear case of bulldog monster fetus with anasarca in goat	International journal of Veterinary Sciences	9(1):1367-1369	4.50

	Dr Sujata Sawant			and Animal Husbandry		
7	K.L.Katenge, M.V.Khodke N.Z.Gaikwad. M.J.Sanap, G.M.Gadegaonkar R.K.Jadhav M.M.Vaidya	2024	Serum mineral profile alterations in lactating and nonlactating Osmanabadi goats of Marathwada region.	International journal of Veterinary Science and Animal Husbandry	9(6):06-08	4.50
8	K.L.Katenge, M.V.Khodke N.Z.Gaikwad. M.J.Sanap, G.M.Gadegaonkar R.D.Suryawanshi	2024	Evaluation of serum energy metabolism and enzyme activity in lactating and nonlactating Osmanabadi goats from Marathwada.	Chemical Science Review and Letters.	13(51),100-104	4.87

List of Marathi and Popular articles published:

Sr.No.	Authors	Year	Title	Name of the journal/Magazine	Volume:page. No.
1	PravinRathod, MohiniKhodke	2019	Kombdyanche saurakshan kara unhalyapasun	Krushakonnati Saptahik,Akola	page. No. 6
2	MohiniKhodke PravinRathod,	2019	Janawranchya sharirasathi calcium chi garaj	Krushakonnati Saptahik, Akola	page. No. 3
3	MohiniKhodke PravinRathod	2019	Dudhatil bhesal olakhane	Krushakonnati Saptahik, Akola	page. No. 11
4	MohiniKhodke PravinRathod	2019	Pawsalyat janawrna honare aajar	Krushakonnati	page. No. 9

				Saptahik, Akola	
5	Dr.Girish Panchbhai and Dr.Mohini khodke	2021	shelyanche unhalyatil vayvsthapan	Agrowan	page. No 12
6	Dr.Mohini khodke	2021	janavratil gochid-aani upayyोजना nirmulan	Krushakonnati Saptahik, Akola	page. No .6
7	Dr.Pravin Rathod and Dr.Mohini Khodke	2021	Parsatil kukkutpalan-unhalyat ghavyachi kaljee	Krushakonnati Saptahik, Akola	page. No .10
8	Dr. Mohini Khodke	2023	Jant Nirmulan – pashupalnatil mahattwacha ghatak	Godwa Usacha Prakashan Pune	p.no. 50-52
10	Dr. Mohini Khodke	2023	Janavranच्या aaharat panyache mahattv	Godwa usacha Prakashan Pune	p.no. 49-50
11	Dr. Mohini Khodke	2023	Swaccha dudh utpadnache mahattv	Godwa Usacha Prakashan Pune	P.No. 55-56
12	Dr. Mohini Khodke	2024	Unhalyat ghyavyachi janavranची kalji.	Godwa usacha prakashan Pune	Page no.26-28
13	Dr. Mohini Khodke	2024	Pashusanvardhnat mahilanche yogdan	Stree shakticha jagar	Page no. 11-12
14	Dr. Mohini Khodke	2024	Kukkutpalnamadhe nondani thewnyache mahattv	Godwa sheticha	Page no.85-86
15	Dr. G.Gadegaokar And Dr. Mohini	2024	Gai mhashisathi ambon nirmitiche tantra	Sakal- Agrowan	Page No.5

	Khodke				
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Book Published: Ni

5. Research Recommendations-Nil

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MOU signed by the Colleges - Nil

.Research Priorities / Thematic areas: Department Wise –

Thematic area ---: Intervention and identification of hematobiochemical indicators of health for livestock foreign body syndrome diagnosis.

8. Significant Research Achievement: Nil

Sr. No.	Achievements	Description