

Department of Veterinary Biochemistry Research

1. List of Research Projects: Completed& Ongoing

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost of the project (Rs in Lakh)	Extra-mural (Funding agency)/ Intra-mural	Status (Completed/On going)	Duration
1	“STUDIES ON SERUM ENERGY METABOLITES AND ENZYME ACTIVITIES IN PRE-PARTUM AND POST-PARTUM PERIOD OF MARATHWADI BUFFALOES”	Major Advisor: Dr. N. Z. GAIKWAD	---	----	Intra-mural	Completed	Six months, 2021.
2.	“STUDIES ON ENERGY METABOLIC AND MINERAL PROFILES IN LACTATING AND NON-LACTATING OSMANABADI GOATS OF MARATHWADA REGION”	Major Advisor: Dr. N. Z. GAIKWAD	--	--	Intra-mural	Completed	Six months, 2024.
3.	EFFECT OF <i>Moringa oleifera</i> LEAF POWDER (MOLP) SUPPLEMENTATION ON DIFFERENT BIOCHEMICAL INDICES DURING PREGNANCY IN OSMANABADI GOATS	Major Advisor: Dr. M. J. Sanap	--	--	Intra-mural	Completed	Six months, 2025.

2. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1.	Nutritional biochemistry	To investigate the effect of <i>Moringa oleifera</i> leaf powder (MOLP) supplementation in pregnant goats	1. To evaluate the effect of supplementation of MOLP on biochemical parameters in pregnant goat 2. Effect MOLP on birth weight of kids.	As MOLP provides antioxidants, protein and energy, farmers may be benefited.

3. Thesis:

Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	PADWAL DHAIRYASHILRAJE VIKRAM	“STUDIES ON SERUM ENERGY METABOLITES AND ENZYME ACTIVITIES IN PRE-PARTUM AND POST-PARTUM PERIOD OF MARATHWADI BUFFALOES”	2021	Dr. N. Z. GAIKWAD
2.	KATANGE KALINDA LALSU	“STUDIES ON ENERGY METABOLIC AND MINERAL PROFILES IN LACTATING AND NON-LACTATING OSMANABADI GOATS OF MARATHWADA REGION”	2024	Dr. N. Z. GAIKWAD
3.	MONIKA JAGENDRA SANTRE	EFFECT OF <i>Moringa oleifera</i> LEAF POWDER (MOLP) SUPPLEMENTATION ON DIFFERENT BIOCHEMICAL INDICES DURING PREGNANCY IN OSMANABADI GOATS	2025	Dr. M. J. Sanap

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	M. J. Sanap and Neera Jain	2013	Studies on cadmium and biochemical constituents in the visceral organs of commercial birds	Life Science Bulletin	10(2)	---
2.	M. J. Sanap and Neera Jain	2014	Studies on Biochemical constituents in the visceral organs of experimentally induced cadmium toxicity in Kadaknath chicken	Life Science Bulletin	11(1)	---
3.	M. J. Sanap and Neera Jain	2014	Cadmium profile in visceral organs of experimentally induced toxicity in Kadaknath chicken	Environment and Ecology	33(2A)	4.87
4.	M. J. Sanap and Neera Jain	2016	Activities of enzymes in the visceral organs of Kadaknath chicken exposed to cadmium	Indian Journal of Poultry Science	51 (3)	5.3
5.	Sanap, M.J., Gaikwad, N.Z., Salunke, V.M. and Vaidya, M.M	2023	Evaluation of physio-biochemical changes in pre-partum stage of transition Deoni cows	Journal of Veterinary and Animal Sciences	54 (2) : 299-304	4.5

6.	Maharudra Sanap, Pranesh Yeotikar, Prabhakar Ghorpade, Suhas Amrutkar, MFMF Siddiqui, Moregaonkar Santosh, Satish Gaikwad, Prashant Mane and Laxmikant Pangaonkar	2023	Mineral profile of Red Kandhari cattle during different seasons	Ruminant Science	12 No 2, p 309-314	4.45
7.	M.J. Sanap, P.V. Yeotikar, P.B. Ghorpade, V.B. Dongre, S.A. Amrutkar, MFMF Siddiqui	2025	Impact of heat stress on oxidative stress markers in Red Kandhari cattle during different seasons	Journal of Livestock Science	16: 315-321	6.4
8.	KL Katenge, MV Khodke, NZ Gaikwad, MJ Sanap, GM Gadegaonkar, RK Jadhav and MM Vaidya	2024	Serum mineral profile alterations in lactating and non-lactating Osmanabadi goats of Marathwada region	International Journal of Veterinary Sciences and Animal Husbandry	9, No. 6, p 06-08	4.61
9.	K L. Katenge, NZ Gaikwad, MV Khodke, GM Gadegaonkar and R.D. Suryawanshi	2024	Evaluation of serum energy metabolism and enzyme activity in lactating and non-lactating Osmanabadi goats from Marathwada	Chemical Science Review and letters	13, No. 51, p 100-104	4.87

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
१.	डॉ. सय्यद अब्दुल मुजीब , डॉ. तोहीद अहमद शफी आणि डॉ. महारुद्र सानप	२०२३	जनावरांमधील प्रजननसंबंधीत समस्या आणि त्यांचा प्रतिबंध	पूर्वा कृषीदूत	१४: ४६