

Department of Animal Genetics and Breeding

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/Ongoing)	Duration
1.	Genetic studies of productive and Reproductive traits in Marathwadi Buffalo	Dr. Sanjay Dhaware	NA	NA	Intra-mural	Completed	2014-2016
2.	A survey on population dynamics of various strains of Deoni	Dr.(Mrs) Prajakta Jadhav	NA	NA	Intra-mural	Completed	2016-2019
3.	Association of Udder quality traits with milk performance of Deoni Cattle	Dr.(Mrs) Prajakta Jadhav	NA	NA	Intra-mural	Completed	2017-2019
4.	Molecular Characterization of Donkey Population in Marathwada	Dr.(Mrs) Prajakta Jadhav	MAFSU Research grant	200000/-	MRG	Completed	2020-2021

2. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost of the project (Rs in Lakh)	Extra-mural (Funding agency)/ Intra-mural	Status (Completed/Ongoing)	Duration
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3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1.	Conservation of germplasm	Conservation of native breeds	Conservation of native breeds in Latur district and adjoining area like Deoni, Osmanabadi goat etc.	Native breeds gets notified

4. Thesis:

Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	Dr. Devkatte Abhishekh	Genotyping of Deccani sheep for MHC DRB1 gene and its association with parasitic resistance	2022	Dr. Prajakta Jadhav
2.	Dr. Supriya Biradar	Molecular characterization of HSPB8 gene and its association with heat tolerance in Deoni cattle	2024	Dr. S.J. Komatwar
3.	Dr. Balaji Hajare	Study of Caprine-MHC, DRB-1 locus in Osmanabadi goats	2025	Dr. Prajakta Jadhav

Doctoral:

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

5. 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.	Jadhav P.V., Waghmare, S.S., Komatwar, S.J., Kokate, L.S., Dhaware, S.A. and Avhad, S.R	2022	Strain wise inclination of farmers to Deoni cattle in breeding track	<i>International Journal of Agriculture Sciences</i>	14(5): 11342-11345	
2.	Jadhav P.V., Komatwar S.J., Channa G.R. and Bankar P.S.	2023	Donkey Genetic Resources of India	<i>International Journal of Agriculture Sciences</i>	15 (6):12418-12420	
3.	Jadhav, P.V. and Supriya Biradar	2024	Livestock breeding policy: Implementation, constraints and future prospects in Maharashtra.	<i>International Journal of Veterinary Sciences and Animal Husbandry.</i>	9(1): 591-593	
4.	Dhaware, S.A., Vaidya, M.S., Dongre, V.B.	2024	Polymorphism of receptor genes of	<i>Journal of Livestock Science</i>	15: 307-313	

	and Jadhav, P.V.		Follicle Stimulating Hormone (FSHR), Luteinizing Hormone (LHR) and Estrogen receptor alfa (er α) in Marathwadi buffaloes.			
5.	Devkatte, A.Y., P.V. Jadhav, Rajiv Kumar, V.B. Dongre, Priya Sharmal, N.Z. Gaikwad and B.S. Khillare.	2025	Association between the <i>Ovine MHC-DRB1</i> Gene and its Resistance to Gastrointestinal Parasites in Deccani Sheep Raised in Hot Semi-arid Ecosystem of India	<i>Indian Journal of Animal Research</i>	59 (4): 568-573	

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1	S.J. Komatwar, P.V. Jadhav and M.P. Sawane	15/12/2021	गुणसूत्रांमुळेजांनावरांमधेहो पारेपरिणामवडपाय	सुराज्य	02
2.	P.V. Jadhav, M.K. Patil and Neelam Kushwah	April 2022	Shastrokt Sheli palan	Godwa Sheticha	62
3.	Neelam Kushwah, M.K. Patil and P.V. Jadhav	May 2022	Pashu chikitsa shetr me mahilao ka sashaktikaran	Chattisgarh Krushi Vanika	Vol-7, page 31
4.	P.V. Jadhav and S.J. Komatwar	Aug 2022	Selection of Deoni Cattle for Milking characters	AroScience Today	Vol-3 (8), page-0462-0464
5.	Dr. S.J. Komatwar, Dr. P.V. Jadhav and Dr. M.P. Sawane	04/05/2023	Chromosomal Abnormalities in Animals	Sakal AgroOne	pp-05
6.	Dr. P.V. Jadhav and DR. S.J. Komatwar	18/04/2023	Dog Breeds of India	Sakal AgroOne	pp-12
7.	Dr. Archana Patil and Dr. P.V. Jadhav	25/08/2023	Treatment for Toxins in Goat	Sakal AgroOne	pp- 12
8.	Dr. P.V. Jadhav and Dr. Archana Patil	06/11/2023	Selection of Goats for breeding	Sakal AgroOne	pp- 12

9.	Dr. P.V. Jadhav and Dr. S.J. Komatwar	19/09/2 023	Breeding of Goats	Sakal AgroOne	pp- 12
10.	Dr. P.V. Jadhav and Balaji Hajare	05/03/2 024	Milk producing and draft purpose breed; Deoni	Sakal AgroOne	pp-12

6. Research Recommendations

Sr. No.	
Year	
Project Title	
Investigators	
Recommendations	

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

9. Significant Research Achievement:

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