

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.	DBT Star College Scheme Programme	Sonali D. Borkar	DBT	10.00	Extra-mural (Funding agency)	Completed	2year

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
1.	To study efficacy of supplementation of AV/CAP/18 with synthetic amino acid supplements on performance of broilers	Dr. Sonali D. Borkar	Ayurvet Ltd.	1.5	Extra-mural (Funding agency)	Completed	1 year
2.	Assessment of NuPro® supplementation on growth performance and biochemical parameters in commercial broiler chicken	Dr. Sonali D. Borkar	Alltech Biotechnology, Ltd. Bangalore	0.50	Extra-mural (Funding agency)	Completed	1 yr
3.	Effect of estrogen bubble addition in the straw on the conception rate in buffalo during different season	Dr. Sonali D. Borkar	Departmental Project	0.62	Intra-mural		5 yr

4.	To develop the colour test for the confirmation of sub-clinical mastitis in milk.	Dr. Sonali D. Borkar	Departmental Project	--	Intra-mural		5 yr
5.	Effect of anti-oxidant supplementation on haematological and biochemical parameters during summer and winter seasons in goat	Dr. S. D. Borkar	Departmental Project	--	Intra-mural		2yr
6.	Phytofabrication of green silver nanoparticles and its efficacy on wound	Dr. S. D. Borkar	MAFSU Research Grant	-	-	-	1 yr

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1.	Nanotechnology, Clinical Biochemistry, Therapeutic biochemistry, Enzymology	To integrate nanotechnology, clinical biochemistry, therapeutic biochemistry, and enzymology for advancing livestock health, improving disease diagnosis, and enhancing productivity, thereby benefiting farmers through cost-effective and sustainable solutions.	To develop advanced diagnostic, therapeutic, and nutritional strategies that enhance disease resistance, improve metabolic efficiency, and optimize livestock productivity for sustainable and profitable animal farming	Improved Animal Health& Productivity Cost Savings Early Disease Diagnosis & Prevention Sustainable Farming Practices

4. Thesis:

Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1.	TEMBHURNE PALLAVI BALIRAM	Effect of graded level of nucleotide rich yeast extract supplementation on certain serum parameters and growth performance in broilers	2018	Sonali D. Borkar

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.	Year	Title of Paper	Name of Journal, Vol. No., Year	Referred/ Non-Referred	NAAS/ ISSN/ ISBN No.	First Author / Co-Author
1.	2006	Effect of Inhibin Immunization on Microscopic Characteristics of Semen in Buffalo Bulls	J. Bombay Vet. Coll 14 (1 & 2) : 100-103	Non-Referred	ISSN : 0974-4584.	First Author
2.	2007	Effect of inhibin immunization on serum FSH, LH and testosterone in buffalo bulls	Buffalo Journal, , Vol. 23, No. 2, 87-97	Referred	6.20	Co-Author
3.	2007	Physico-biochemical and Clinico-pathological approach to Calcium intake (requirement) in Animals	INTAS POLIVET Vol. 8 No. II : 315-319	Referred	4.49	Co-author
4.	2008	Effect of Inhibin Immunization on Microscopic and Macroscopic Characteristics of Semen in Buffalo Bulls	RVJI, Vol 4, No. I: 49-52	Non-Referred	ISSN: 0973-0443	First Author
5.	2008	Importance of wound in Veterolegal cases	Veterinary World, Vol. 6 (2) 58-60	Referred	7.60	Co-Author
6.	2008	Stem Cell Therapy- Emerging new Field of Medicine	The North- East Veterinarian, Vol VII, No. 1,	Referred	2.25	Co-Author
7.	2013	Prevalence of Gastro-intestinal parasitism in Decanni Sheep	International Journal of Scientific & Medical Research, , Vol 1, No. 1,	Non-Referred		Co-Author
8.	2015	Follicular Fluid protein profile in buffalo	Veterinary Science Research Journal 2015 Vol.6 No.2 pp.71-79 ref.39	Referred	2.97	Co-Author
9.	2016	Phytochemical Analysis of Aqueous and Alcoholic extract of Some Medicinal Plants	International Journal of Scientific Research Management (2016)., Vol. 4, ISSUE 9	Non-Referred	ISSN:2321-3418	First Author
10.	2017	Effect of Moringa oleifera Lam. on haematological and histopathological parameters in sodium flouride	Annals of Phytomedicine 6(1): 57-62, 2017	Referred	5.81	Co-Author

		induced toxicity in wistar rats				
11.	2017	Women Empowerment in Veterinary Field: A Review	International Journal of Scientific Research and Management (IJSRM) 5 (1):5075-5078,2017	Non- Referred	ISSN:232 1-3418	First Author
12.	2016	Role of Women Entrepreneur in Livestock Sector in India: A Review	Book on National Conference on INDIAN WOMEN: PAST, PRESENT AND FUTURE ISO 9001 : 2008 QMS/ISBN/ISSN)	Non- Referred	ISBN 978-93-83587-68-1	First Author
13.	2016	Conflict of Biological Clock vs Career Clock in A Woman's Life	Book on National Conference on INDIAN WOMEN: PAST, PRESENT AND FUTURE ISO 9001 : 2008 QMS/ISBN/ISSN)	Non- Referred	ISBN 978-93-83587-68-1	Co-Author
14.	2016	Must-Read Things for Working Women and Housewives	Book on National Conference on INDIAN WOMEN: PAST, PRESENT AND FUTURE ISO 9001 : 2008 QMS/ISBN/ISSN)	Non- Referred	ISBN 978-93-83587-68-1	Co-Author
15.	2016	Nutritional Security of Woman through Poultry Egg and Meat	Book on National Conference on INDIAN WOMEN: PAST, PRESENT AND FUTURE ISO 9001 : 2008 QMS/ISBN/ISSN)	Non- Referred	ISBN 978-93-83587-68-1	Co-Author
16.	2020	Prevalence of ixodid ticks infesting in cattle of Chhattisgarh state, an east-central part of India	International Journal of Tropical Insect Science, 40, pgs 951–954 (2020)	Referred	7.02	Co-Author
17.	2020	Effects of graded level of nucleotide rich yeast extract supplementation in diets on growth performance and economics of broilers	Journal of Entomology and Zoology Studies 2020; 8(4): 1335-1338	Referred	5.53	Co-Author
18.	2020	Prevalence of Subclinical Mastitis in Cows: In and Around Nagpur Region	International Journal of Current Microbiology and Applied Sciences 8(12):83-88	Referred	5.38	Co-Author

19.	2022	Diabetes Mellitus and Cardiovascular complications in COVID-19 infection	Indian Journal of Veterinary Public Health 8(2): 20-29	Referred	3.35	First Author
20.	2023	High resolution liquid chromatography-mass spectrometry analysis (QTOF-MS) and free radical scavenging activity of extract of <i>Azadirachta indica</i> leaves	Haryana Veterinary Journal 62(2), 122-128	Referred	5.38	First Author
21.	2023	Phytochemical screening and in vitro antioxidant potential of aqueous extract of <i>Aloe vera</i> leaves	The Pharma Innovation Journal SP-12(12): 1783-1788	Referred	5.23	First Author
22.	2024	Navigating the frontier: Crispr's evolution in animal science and the roadblocks ahead	International Journal of Advanced Biochemistry Research 8(6): 350-357	Referred	5.29	First Author
23.	2024	Evaluation of zinc oxide nanocomposites and L-ascorbic acid on meat quality during transport induced stress in birds of Sonali breed	Indian Journal of Animal Sciences 94 (10): 000–000	Referred	6.40	Co-Author

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1.	Dr. Suresh Jadhao, Dr. Sonali Borkar, Dr. Sudhakar Awandkar	2009	वसारातील विविध आजार व प्रतिबंध	तरुण किसान मासिक	
2.	Dr. Suresh Jadhao, Dr. Sonali Borkar, Dr. Sudhakar Awandkar	2010	गोचीडामुळे जनावरांमध्ये होणारे दुष्परिणाम व त्यांचे नियंत्रण	तरुण किसान मासिक	
3.	Dr. Sonali Borkar, Dr. Shiny Joy and Dr. S.W. Bonde	2012	कोंबड्यांच्या आहारात जीवनसत्त्वांचे महत्त्व”,	बळीराजा	
4.	Dr. Suresh Jadhao, Dr. Sonali Borkar, Dr. Sudhakar Awandkar and Dr. Gajanan Chigure	2013-14	‘ksG;k&esa<;kaP;k t[kekae;/s gks.kkÚ;kvaM;kapsi zdkj]dkj.ksvkf.kizfrca /kdmik;	Compendium ß’ksGhikyukrwumiftohdk P,	Pg. No. 67-72
5.	Dr. Suresh Jadhao, Dr. Sonali Borkar, Dr. Sudhakar Awandkar and Dr. Gajanan Chigure		‘ksG;k&esa<;kaukgk s.kkjh [k#t	Compendium ß’ksGhikyukrwumiftohdk P,	Pg. No. 67-72
6.	Dr. Sonali Borkar, Dr. Shiny Joy and Dr. S.W. Bonde	2014-15	nq/krhy ?kVdkP;kizek.kkojjh .kkedj.kkÚ;kegRokP; kckch	Compendium ßnqX/kksRiknu % Ñf”kthoukpk ‘kk’orvk/kkjP	Pg. no. 23
7.	Smt. S.R.Chandel, Dr. Sonali Borkar and Dr. U.R. Shinde		LoPN nq/k mRiknudkGkphxjt	Compendium ßnqX/kksRiknu % Ñf”kthoukpk ‘kk’orvk/kkjP	Pg. no. 26
8.	Dr. Sudhakar Awandkar, Dr. Dipak Badukale and Dr. Sonali Borkar		nq”dkGhifjLFkrhroS j.khpsfu;kstu	Compendium ßnqX/kksRiknu % Ñf”kthoukpk ‘kk’orvk/kkjP	Pg. no. 41
9.	Dr. Sonali Borkar, Dr. S.W. Bonde and Dr. Shiny Joy		nq/k mRiknu ok<hlk BhpkV.kfoVka psegRo	Compendium ßnqX/kksRiknu % Ñf”kthoukpk ‘kk’orvk/kkjP	Pg. no. 55
10.	Dr. Pramod Sirshikar, Dr. Suresh Jadhao and Dr. Sonali Borkar		lk’kq /kukps ,dkRehdijthfoaps O;oLFkkiu o i;kZ;hmik;;kstuk	Compendium ßnqX/kksRiknu % Ñf”kthoukpk ‘kk’orvk/kkjP	Pg. no. 75

11.	Dr.SureshJadhao, Dr. Sunil Kolte, Dr.Nitin Kurkure and Dr. Sonali Borkar		nq/kkGtukojkarhykj [kh y{k.ksfnl.kkjsvktkj	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 82
12.	Dr. Sudhakar Awandkar, Dr.Nitin Kurkure and Dr. Sonali Borkar		dklnkgVKG.;klkBh	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 91
13.	Dr. Sudhakar Awandkar, Dr.NarendraKhode and Dr. Sonali Borkar		ylhdj.k	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 105
15.	Dr. L.A.Khan, Dr.Pramod Shirsikar and Dr. Sonali Borkar		okjvMd.ks % dkj.ks d mik;	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 137
16.	Dr.Pramod Shirsikar, Dr. G.R.Channa and Dr. Sonali Borkar		xkHk.ktukojkaphfo.; vanktnf'kZdk	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 139
17.	Dr.Pramod Shirsikar and Dr. Sonali Borkar		xkbZ@Eg'khlkBhfMc o ylhdj.k	Compendium ßnqX/kksRiknu % Ñf''kthoukpk 'kk'orvk/kkjÞ	Pg. no. 141
18.	Dr. Shiny Joy, Dr. Sonali Borkar and Dr. Suresh Jadhav	2015-16	fgokGk _rqe;/s 'ksG;kapsfuoklLFkk u o jksxizfrca/kdmik;	Article in Magazine GODWA	Nov, 2016, Pg. no.88-90
19.	Dr. Sonali Borkar , Dr. Shweta Lende, Dr. Shiny Joy, Dr. Suresh Jadhav and Dr. Noopur Halmare		Xkk;hEg'khrhy _rqdkypdz%i'kqlax ksiu ,d egRokpkdsanzfcan w	Article in Magazine ßxksMokÞ	June 2016, Pg.no.91-92
20.	Dr. Shiny Joy, Dr. Sonali D. Borkar and Dr.Suresh Jadhav		lk'kqiztuu o iqu#Rikr e;/s {kkj;qDrfeJ.kkpsegRc	Article in Magazine ßcGhjktkÞ	February, 2016 Pg.no.26-27
21.	Dr. Sudhakar Awandkar and Dr. Sonali Borkar		lsanzh; i'kqiky	Article in Magazine ßcGhjktkÞ	February, 2016 Pg.no.54-55
22.	Dr. Sweta Lende, Dr. Sonali Borkar , Dr. Shiny Joy and Dr. Suresh Jadhao		nq/kkP;kxq.koRrsp s 'kkL=	Article in Magazine ßcGhjktkÞ	February, 2016 Pg.no.70-71

23.	Dr. Shiny Joy, Dr. Sonali D. Borkar and Dr.S.W.Bonde		'ksGhiky u iks" k.kkr [kfutkapsegRo	Article in Magazine ß'kkL=ksDr 'ksGhikyub	February, 2016 Pg.no.
24.	Dr.Suresh Jadhav and Dr. Sonali D. Borkar	2016-17	LoPNnw/k mRiknu	Article in Magazine ßxksMokp,	December 2016, Pg.no. 57-58
25	Dr. Alka Sawarkar, Dr. Sonali D. Borkar and Dr.AnantA.Deshmukh		'ksG;karhylkekU; fo" kck/kk o izFkeksipkj	Article in Magazine ßcGhjktkP	January, 2017 Pg.no. 46-48
26.	Dr. Krushna Bahiram, Dr. Mahesh Gupta, Dr. Sonali Borkar , Dr. Suresh Jadhav and Dr. Vikas Sardar	2019-20	दुधाळू गार्ई म्हशींची शरीरक्रिया, ओळख व व्यवस्थापन	Article in Magazine "गोडवा"	Dec. 2019. Pg.No. 50-52
27.	Dr. S.D.Borkar , Dr.S.G.Jadhao, Dr.S.W.Bonde, Dr.K.B.Bahiram, Dr.A.M.Shende and Dr.A.R.Patil	2019-20	शेळ्या मेंढ्यांमध्ये खनिज मिश्रणाच्या कमतरतेची लक्षणे,अनन्यसाधारण महत्व व योग्य उपाय	Article in Magazine "गोडवा"	Jan.2020, Pg.No. 40-41
28.	Dr. S.D.Borkar , Dr.S.G.Jadhao, Dr.K.B.Bahiram, Dr.M.M.Kadam and Dr.A.R.Patil	2019-20	कोंवड्यांच्या आहारात जीवनसत्वे- एक मूलभूत गरज	Article in Magazine "गोडवा"	Mar.2020, .Pg.No. 77-78
29.	Dr. Suresh Jadhav and Dr. Sonali D. Borkar	2020-21	नवजात वासरामध्ये गोलकृमी टॉक्सोकारा) व्हिट्युलोरम) चे संकर्म, प्रभाव आणि नियंत्रण	Article in Magazine "गोडवा"	October.2021
30	Dr. Sonali D. Borkar , Dr. Suresh Jadhav, Dr. K.B. Bahiram and Dr. Ankita Thakre		गार्ई म्हशीतील ऋतुकालचक्र : पशुसंगोपनाचा एक महत्वाचा केंद्रबिन्दू	Article in Magazine "गोडवा"	December 2021. Pg.No. 60-61
31	Dr. S.D.Borkar , Dr.S.G.Jadhao, Dr.S.W.Bonde, Dr.Shiny Joy, Dr.A.M.Shende	2021-22	हिवाळी हंगामातील शेळ्या आणि मेंढ्यांचे व्यवस्थापन आणि काळजी	Article in Magazine "गोडवा"	January 2022
32	डॉ.सुरेश जाधव, डॉ.आशुतोष तिवारी, डॉ.नितीन		प्रतिकूल हवामान बदलादरम्यान खबरदारीचे उपाय	Article in Magazine "गोडवा"	August 2022

	गाडे आणि डॉ.सोनाली बोरकर		आणि आपत्तीच्या वेळी पशुधनाचे योग्य व्यवस्थापन		
33	Dr.S.G.Jadhao Dr. S.D.Borkar , Dr. Sunil Kolte, Dr. Krushna Bahiram, Dr. Prabhakar Tembhurne		आपत्कालीन वेळेत पशुधनाचे व्यवस्थापन	Article in Magazine “गोडवा”	October 2022
34	Dr. Sonali D. Borkar , Dr. Suresh Jadhav, Dr. K.B. Bahiram, Dr. Mahesh Guptaand Dr. Prabhakar Tembhurne		पशुधनामधील रोगांविरुद्ध प्रतिकारशक्ती वाढवण्यासाठी सूक्ष्म अन्नद्रव्यांचा (इस्युन्यूट्रिएंट्स) प्रभावित	Article in Magazine “गोडवा”	January 2023
35	Dr. Suresh Jadhav, Dr. Sonali D. Borkar , Dr. K.B. Bahiram, Dr. Mahesh Gupta		प्राण्यांमध्ये व्यवस्थापन पद्धती पशुधन : मालकाच्या भूमिकेचे	Article in Magazine “गोडवा”	February 2023
36	Dr. Shiny Joy , Dr.A.M.Shende Dr.S .W.BondeDr.S.D.B orkar , Dr. Rutuja karde, Dr. Amar Kannake		शेळ्यांमधील निर्जलीकरणत्याचेनिदान आणि उपचार	Article in Magazine “गोडवा”	November 2023
37	डॉ . सुरेश जाधव , डॉ . सोनाली बोरकर आणि डॉ . कृष्णा बहिरम	2023	शेळीमध्ये उष्णतेच्या ताणाचे व्यवस्थापन	Booklet	
38	Dr. Krushna Bahiram and Dr. Mahesh Gupta, Jayant Korde, Dr. Sonali D. Borkar , Dr. Suresh Jadhav		दूध देणाऱ्या गायी- हशींची शरीरक्रिया,म, ओळख व व्यवस्थापन	Article in Magazine “गोडवा”	February 2024
39.	Dr. S.D.Borkar , Dr.S.G.Jadhao, Dr.Sachin Bonde, Dr. Krushna Bahiram and Dr. Mahesh Gupta		उन्हाळी हंगामातील दुग्धजन्य प्राण्यांचे व्यवस्थापन	Article in Magazine “गोडवा”	June 2024
40	Dr. S.D.Borkar , Dr.S.G.Jadhao,		हिवाळा ऋतू : पशुपालकांसाठी काळजी आणि	Article in Magazine “गोडवा”	December 2024

	Dr.S.W.Bonde, Dr.Shiny Joy, Dr.A.M.Shende		व्यवस्थापन उपाययोजना		
41	Dr. S.D.Borkar, Dr.S.G.Jadhao, Dr.S.W.Bonde, Dr.Shiny Joy, Dr.A.M.Shende	2024-25	हिवाळयात तरुण प्राण्यांची काळजी आणि आहार	Article in Magazine "गोडवा"	January 2025