

Department of Poultry Science 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	Dietary addition of <i>Moringa olifera</i> leaf meal on performance of Japanese quail	Dr. R.C.Kulkarni	--	--	Intra-mural	Completed	2017-18
2	Effect of Gulvel (<i>Tinospora cordifolia</i>) on the performance of broiler Chicken during summer	Dr. R.C.Kulkarni	--	--	Intra-mural	Completed	2017-18
3	Optimizing energy, protein and amino acid needs in diet of starting and growing Kadaknath Chicken	Dr. R.C.Kulkarni	--	--	Intra-mural	Completed	2021-22
4	Empowerment of rural women from aspirational Osmanabad district through poultry rearing for sustainable livelihood	Dr. R.C.Kulkarni	Department of Biotechnology, New Delhi	36.06	Extra-mural	Completed	2022-24

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.	Evaluation of three emulsifiers for different sources of oils in broiler diets	Dr.R.C.Kulkarni	Orffa Animal Nutrition Pvt Ltd. Thane, Maharashtra	1.3495	Extramural (Funding agency)	Completed	One year
2.	Evaluation of emulsifier on tallow in broiler diet	Dr.R.C.Kulkarni	Orffa Animal Nutrition Pvt Ltd. Thane, Maharashtra	1.618	Extramural (Funding agency)	Completed	One year
3.	Effects of using NUTRIMARK on production and health performance of commercial broiler birds of species <i>Gallus gallus domesticus</i> in a randomised, controlled study	Dr.R.C.Kulkarni	Exotic Biosolutions Pvt. Ltd, Mumbai	2.80	Extramural (Funding agency)	Completed	One year
4.	Effect of feeding Nutrimark on relative expression of mucin gene in commercial	Dr.R.C.Kulkarni	Exotic Biosolutions Pvt. Ltd, Mumbai	1.99	Extramural (Funding agency)	Completed	One year

	al broiler Chicken						
5.	Assessment of Activ Kolin as an alternative to synthetic choline chloride in broiler production	Dr.R.C.Kulkarni	Flavour Trove, Bengaluru	2.75	Extramural (Funding agency)	Completed	One year

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers

4. Thesis:

Master:

Name of Department: Veterinary and Animal Husbandry Extension Education				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Manvatkar Pandurang Narayanrao	Evaluation of the blend coated organic acids and medium-chain fatty acids as an alternative to antibiotic growth promoter on the performance of broilers	2021	Dr.R.C.Kulkarni
2	Chavan Vishnudas Sopan	Effect of dietary brown seaweed on the performance of broilers	2022	Dr.R.C.Kulkarni
3	Ashish Kumar	Effect of dietary addition of betaine on performance of broilers fed with diets with reduction in methionine and choline	2023	Dr.R.C.Kulkarni
4	Akash More	Effect of dietary addition of bile acids on the performance of broilers	2024	Dr.R.C.Kulkarni
5	Dongare Balaji Sanjayrao	Effect of dietary supplementation of coated calcium on the performance of broilers	2024	Dr.R.C.Kulkarni
6	Parage Vaibhav Venkatrao	Effect of dietary herbal anti-stressors on performance and body surface temperature of	2025	Dr.R.C.Kulkarni

		broilers		
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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.	NA AS Rating, if any
1	Balaji Sanjayrao Dongare, Ram Chandrakant Kulkarni , Balan Vasanthi, Sudhakar Pralhad Awandkar, Nandkumar Zatingrao Gaikwad, Ganesh Mahadeo Gadegaonkar, Mohammad Raziuddin and Akash More	2024	Effect of coated calcium feeding on growth performance, carcass traits, immunity, blood biochemistry and tibial bone morphometry in commercial broiler chicken	<i>Tropical Animal Health and Production</i>	56: 355	7.70
2	Ashish Kumar, R.C. Kulkarni , S.P. Awandkar, N.Z. Gaikwad, N.V. Khode, S.G. Chavhan, and G.M. Gadegaonkar	2024	Dietary Addition of Betaine on the Performance of Broilers Fed with Diets with a Reduction in Methionine and Choline	Journal of Advances in Biology & Biotechnology	27 (6) : 955 – 967	5.3
3.	Chavan, V. G.; Awandkar, S. P.; Kulkarni, R. C. ; Chavhan, S. G.; Suryawanshi, R. D.; Jadhav, R. K.; Kulkarni, M. B. and Agnihotri, A. A.	2024	Isolation and molecular characterization of fowl adenovirus from inclusion body hepatitis cases in Western India during 2019-2021.	<i>Iranian Journal of Veterinary Research, Shiraz University</i>	Vol. 25, No. 1, Ser. No. 86, Pages 62-68.	6.80
4.	S.G.Chavhan, R.K.Jadhav, S.P.Awandkar, B.M.Kondre and R.C.Kulkarni	2024	Gross Pathology of Sorghum bicolor Poisoning in Bovines	<i>The Indian Veterinary Journal</i>	101(2): 27 - 29.	4.99
5.	Priya B. Koneti, M. Raziuddin, Rituparna Banerjee, A.A Devangare1, R.C. Kulkarni , Ashok V. Bhosale, Naveena B. Maheswarappa, Balaji	2024	Biopolymer Characterization: Gelatin from poultry waste as a sustainable alternative	<i>Journal of Meat Science</i>	19(2): 1-6.	3.98

	Belore, Judy L, Sowmya P, Thakre S, Hangarkar M.					
6.	P.M. Ghule, S.B. Lambate, M.M. Chudasama, S.S. Sole, R.G. Nimase, S.A. Dhenge, R.C. Kulkarni and S.P. Awandkar.	2024	Histochemical study of the uterus during various phases of estrus cycle in buffalo (<i>Bubalus bubalis</i>).	<i>International Journal of Advanced Biochemistry Research</i>	SP-8(5), 348-353.	5.29
7.	Ranveerkar, B.P., Raziuddin, M., Devangare, A.A., Gaikwad, N.Z., Awandkar, S.P., Suryawanshi, R.D. and Kulkarni, R.C.	2024	Effect of Cooking Method on Quality Characteristics of Spent Hen Meat Finger	<i>The Indian Journal of Nutrition and Dietetics</i>	Vol. 61 (1), 52-59.	4.84
8.	P. N. Manvatkar, R. C. Kulkarni* , S. P. Awandkar, S. G. Chavhan, S. M. Durge, S. R. Avhad, G. R. Channa & M. B. Kulkarni	2022	Performance of broiler chicken on dietary supplementation of protected organic acids blend	British Poultry Science	63(5), 633-640	7.60
9.	Aditya A. Agnihotri, Sudhakar P. Awandkar, Mahesh B. Kulkarni, Sambhaji G. Chavhan Ram C. Kulkarni · Vishranti G. Chavan	2022	Molecular phylogenetics of infectious bursal disease viruses	Virus Genes	58(4): 350-360	7.90
10.	Vishranti G. Chavan, Sudhakar P. Awandkar, Mahesh B. Kulkarni · Sambhaji G. Chavhan Ram C. Kulkarni , Aditya A. Agnihotri	2023	Molecular phylogenetics of fowl adenovirus serotype 11 and 8b from inclusion body hepatitis outbreaks	Virus Genes	59(1):148-157	7.90
11.	S.S. Kawathe, G.M. Gadegaonkar, R.C. Kulkarni , G. R. Channa and M. V. Dhaigude	2023	Effect of Dietary Supplementation of Creatine monohydrate Powder on Performance of Broiler Chicken.	<i>Indian Journal of Animal Nutrition</i>	40(2): 174-180.	5.19
12.	S. K. Raut, G.M. Gadegaonkar, S.M. Durge, R.C. Kulkarni , G.R. Channa and L.S. Kokate (	2023	Effect of Dietary Supplementation of Tinospora cordifolia (Giloy) Powder on Performance of Broiler Chicken.	<i>Indian Journal of Animal Nutrition</i>	40 (1): 90-97.	5.19
13.	Ajay Babar, Rahul Suryawanshi, Onkar Deshmukh, Nitin Kurkure, Vaibhav Patil, Ashok Devangare, Ram Kulkarni	2023	Occurrence, Characterization and Antimicrobial Resistance Pattern of Pathogenic Salmonella Isolated from Chicken and Chicken Meat	<i>The Indian Journal of Veterinary Sciences & Biotechnology (The Indian Journal of Field</i>	Volume 19 Issue 4 (July-August 2023: 11-15.	5.25

			Products.	<i>Veterinarians</i>),		
14.	Abhishek Randhave, Narendra Khode, Sudhakar Awandkar, Sharad Avhad, Gangaprakash Channa, Ram Kulkarni and Pankaj Biradar	2022	Multivariate Typology of Osmanabadi Goat Farming in its Home Tract: A Cluster Analysis	Indian Journal of Extension Education	58(4), 23-27	5.02
15.	Sultan Shaikh F. R, A. A. Devangare, M. Raziuddin, N. Z. Gaikwad1, S. P. Awandkar, R. D. Suryawanshi and R. C. Kulkarni	2022	Effect of Green Banana Pulp Powder on Microbiological Quality of Chevron Nuggets During Refrigerated Storage	Journal of Meat Science	17(2), 22- 29	3.98
16	Vishnudas Chavan, R.C.Kulkarni* , S.P.Awandkar, S.G.Chavhan, N.Z.Gaikwad, R.D.Suryawanshi, M.B.Kulkarni and Satyajit Satapathy	2022	Effect of dietary supplementation of brown seaweed on performance of broiler chicken	Indian Journal of Animal Sciences	92(8), 999-1005	6.20
17	M.O. Dhage, S.M. Durge, R.C. Kulkarni , J.J. Rokade3, L.S. Kokate and M.M. Vaidya	2021	Growth performance, nutrient metabolizability, immune response and economics of broiler chicken production supplemented with soapnut shell powder	<i>Indian Journal of Poultry Science</i>	Volume 56, Issue03, 219-223	5.30
18	P.P.Devkate, S.M.Durge, S.A.Amrutkar, R.C.Kulkarni , N.Z.Gaikwad, P.M.Ghule and Prapti Nimje	2019	Effect of dietary supplementation of α -calcidol on growth performance and carcass traits of broiler chicken.	<i>Indian Journal of Poultry Science</i>	54(3): 275-279.	5.30
	Kulkarni R.C. and S. M. Durge (2019).	2019	Dietary inclusion of <i>Moringa oleifera</i> leaf meal improved production performance and reduced cost of production in japanese quail.	<i>Journal of Poultry Science and Technology</i>	July- Septembe r, Volume 07, Issue 03, Pages 66-70.	--
19	Kulkarni R.C. , A. D. Dingore, S. M. Durge, O. P. Dinani and S. A. Amrutkar	2019	Supplementation of different emulsifiers on performance of broilers.	<i>Journal of Entomology and Zoology Studies</i>	7(5): 25- 29.	--
20	Shelke C.P., Amrutkar S.A., Gaikwad, N.Z., Devangare, A.A., Kulkarni, R.C. , Durge, S.M., Jadhav, P.V.	2018	Effect of dietary inclusion of mulberry (<i>Morus alba</i>) leaf meal	<i>International Journal of Agriculture Sciences</i>	Vol 10 (18): 7126- 7129.	4.18

	and Ranjan, A.		supplemented with multienzyme on growth performance of broiler chicken.			
21	Ranjan A., Amrutkar S.A., Kulkarni R.C. , Devangare A.A., Dongre V.B., Vaidya M.M., Kokate L.S. and Shelke C.P.	2018	Effect of dietary inclusion of hedge lucerne (<i>Desmanthus virgatus</i>) leaf meal on growth performance of broiler chicken.	<i>International Journal of Agriculture Sciences</i>	Vol 10 (19): 7281-7284.	4.18
22	R. C. Kulkari , A. B. Mandal, S. K. Bhanja, Akshat Goel and Manish Mehera	2018	Dietary supplementation of Chromium Picolinate on productive performance and cost economics of coloured broiler chicken during hot-humid summer.	<i>International Journal of Livestock Research</i>	Vol 8 (10): 132-139	4.31
23	R.C. Kulkarni , A.B. Mandal, S.K. Bhanja, Akshat Goel and Manish Mehera	2017	Dietary Zinc supplementation on immune response of coloured broilers during hot-humid summer.	<i>Journal of Poultry Science and Technology</i>	5(2): 18-21.	--
24	R.C. Kulkarni , A.B. Mandal, S.K. Bhanja, Akshat Goel and Manish Mehera	2017	Dietary Zinc supplementation on performance of coloured broilers during hot-humid summer.	<i>Journal of Poultry Science and Technology</i>	5(1): 07-11.	--
25	A.B.Mandal, Ram Kulkarni , J.J.Rokade, S.K.Bhanja and Ram Singh.	2017	Effect of dietary addition of Amla (<i>Emblica officinalis</i>) on performance and HSP70 gene expression in coloured broiler chicken during extreme summer.	<i>Journal of Animal Research</i>	7(2): 233-241	4.78
26	R.C. Kulkarni , A.B. Mandal, S.S. Sole, S. Dey and V.M. Salunke (2017).	2017	<i>Rauwolfia serpentina</i> : A stress alleviator of coloured broilers using incentive to feed in extreme summer.	<i>Indian Research Journal of Extension Education</i>	January (Special issue on Veterinary Research & Extension). 85-88.	4.99
27	D.S.Bhosale, S.R.Bhagwat,	201	Comparative	<i>Indian</i>	32(3):	5.19

	M.M.Pawar and R.C.Kulkarni	5	Efficacy of Dietary Addition of <i>Tulsi (Ocimum sanctum)</i> Leaves Powder and Vitamin E on Broiler Performance.	<i>Journal of Animal Nutrition</i>	348–350.	
28	S.S.Joshi, P.B.Ingle, S.R.Bhagwat, M.M.Pawar, K.B.Prajapati and R.C.Kulkarni,	2015	Effect of dietary addition of ashwagandha (<i>Withania somnifera</i>) and guduchi (<i>Tinospora cordifolia</i>) powder on broiler performance.	<i>Indian Journal of Animal Sciences</i>	85(12): 1358–1361.	6.20
29	Nitin Mehta, B.D.Sharma, Pavan Kumar and R.C.Kulkarni	2014	Storage quality attributes of aerobically packaged low fat chicken patties fortified with calcium, alpha tocopherol acetate and ascorbic acid at refrigeration temperature (4±1°C).	<i>Indian Journal of Poultry Science</i>	49(3): 269-273.	5.30
30	H.D.Chauhan, R.B.Makwana, A.K.Srivastava and R.C.Kulkarni	2014	Seasonal effect on milkability of Kankrej cows.	<i>Indian Journal of Animal Production and Management</i>	30(3-4): 91-93.	3.38
31	R.C. Kulkarni, H.P. Shrivastava and A.B. Mandal	2013	Effect of iron supplementation on serum trace mineral status and cholesterol in broiler chickens.	<i>Indian Journal of Animal Research</i>	47(1): 89-90.	6.40
32	R.C. Kulkarni, H.P. Shrivastava and A.B. Mandal	2013	Influence of dietary copper sources and levels on immune-competence, mineral retention and carcass traits in coloured broiler chickens	<i>Journal of Poultry Science and Technology</i>	1(1): 1-6.	--
33	R.C. Kulkarni, H.P. Shrivastava and A.B. Mandal	2012	Effect of copper supplementation on serum trace mineral status and cholesterol in broiler chickens.	<i>Indian Journal of Animal Research</i>	46(3): 313-314.	6.40

34	Arun Chettri, R.C. Kulkarni , C.M Mahapatra and Pavan Kumar	2012	Physico- chemical quality of turkey meat balls stored at ambient temperature (20±20C) under aerobic and vacuum packaging.	<i>Indian Journal of Poultry Science</i>	47(1): 98-101.	5.30
35	Arun Chettri, R.C. Kulkarni , C.M Mahapatra and Pavan Kumar	2011	Effect of different cooking methods on the quality of soya incorporated turkey meat balls.	<i>Indian Journal of Poultry Science</i>	46(3): 361-364.	5.30
36	R.C. Kulkarni , A.B. Mandal, C.P. Munj, Ananaya Dan, Anju Saxena and Pramod K.Tyagi	2011	Response of coloured broilers to dietary addition of geloi (<i>Tinospora cordifolia</i>) during extreme summer.	<i>Indian Journal of Poultry Science</i>	46(1): 70-74.	5.30
37	R.C. Kulkarni , H.P. Shrivastava, A.B. Mandal, C. Deo, K.Y. Deshpande, R. Singh and Bhanja, S.K.	2011	Assessment of growth performance, immune response and mineral retention in colour broilers as influenced by dietary iron.	<i>Animal Nutrition and Feed Technology</i>	11(1): 81-90.	4.00

List of Marathi and Popular articles published:

Sr · N o	Authors	Year	Title	Name of the Journal / Magazine	Volume : Page Nos.
1	आर.सी.कुलकर्णी, आनंद मोहन, एस.पी.आवंडकर और आशीष कुमार	मई, २०२२	पक्षी फ्लू	मासिक: खेती	पृष्ठ क्रमांक ३०-३१
2	डॉ. संदीप ढेंगे, डॉ. मंगेश वैद्य आणि डॉ. राम कुलकर्णी	जून, २०२२	कुक्कुटपालन प्रक्षेत्राची स्वच्छता आणि निर्जंतुकीकरण	मासिक: अग्रोटच	पृष्ठ क्रमांक ३६-३८
3	डॉ.आर.सी.कुलकर्णी डॉ.	०३ जानेवारी,	ब्रॉयलर पिलांचे ब्रूडिंग अन	दैनिक : सकाळ	पृष्ठ क्रमांक

	के.वाय.देशपांडे	२०२३	व्यवस्थापन	अग्रोवन	१२
4	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे	१० जानेवारी, २०२३	देशी कोंबड्यांच्या विविध जातींची ओळख	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
5	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे	१७ जानेवारी, २०२३	परसबागेतील संगोपनासाठी देशी कोंबड्यांच्या विविध जाती	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
6	डॉ. के.वाय.देशपांडे डॉ.आर.सी.कुलकर्णी	२४ जानेवारी, २०२३	ब्रॉयलर कोंबड्याचे आहार व्यवस्थापन	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
7	के.वाय.देशपांडे डॉ.आर.सी.कुलकर्णी	३१ जानेवारी, २०२३	लेयर कोंबड्याचे आहार व्यवस्थापन	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
8	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे, डॉ. बालाजी डोंगरे	०७ फेब्रुवारी, २०२३	कोंबड्यामध्ये आढळणारे विषाणूजन्य आजार	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
9	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे, डॉ.आकाश मोरे	१४ फेब्रुवारी, २०२३	कोंबड्यातील मुख्य जीवाणूजन्य आजार	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२

10	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे	२१ फेब्रुवारी, २०२३	कोंबड्याचे उन्हाळ्यातील व्यवस्थापन	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
11	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे, डॉ.आकाश मोरे	२८ फेब्रुवारी, २०२३	कोंबडी खाद्यामध्ये जीवनसत्वाचे महत्व	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
12	डॉ.आकाश रवींद्रनाथ मोरे, डॉ. आर.सी. कुलकर्णी	२८ फेब्रुवारी, २०२३	मांसल कोंबड्यामधील लसीकरण	साप्ताहिक : उदगीर दर्पण	पृष्ठ क्रमांक ३
13	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे,	०४ मार्च, २०२३	कोंबडी खाद्यामधील महत्वाची जीवनसत्वे	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १०
14	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे, डॉ.आकाश मोरे	१४ मार्च, २०२३	कोंबड्यातील अंतः परजीवी आजारांची ओळख	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
15	डॉ.आकाश रवींद्रनाथ मोरे डॉ.राम चंद्रकांत कुलकर्णी	१५ मार्च, २०२३	अंड्यावरील कोंबड्यांचे संगोपन	साप्ताहिक : उदगीर दर्पण	पृष्ठ क्रमांक २-३
16	डॉ.आकाश रवींद्रनाथ मोरे डॉ.राम चंद्रकांत	१५ मार्च, २०२३	कोंबड्यांच्या व्यवसायातील	साप्ताहिक : उदगीर	पृष्ठ क्रमांक ३

	कुलकर्णी		प्रकाशाचे महत्व	दर्पण	
17	डॉ.आर.सी.कुलकर्णी डॉ. के.वाय.देशपांडे, डॉ.आकाश मोरे	२१ मार्च, २०२३	कोंबड्यामधील बाह्य परजीवी आजारांचे नियंत्रण	दैनिक : सकाळ अग्रोवन	पृष्ठ क्रमांक १२
18	डॉ.आकाश रवींद्रनाथ मोरे डॉ.राम चंद्रकांत कुलकर्णी	२७ मार्च, २०२३	उन्हाळ्यामध्ये कोंबड्याची घ्यावयाची काळजी	साप्ताहिक : उदगीर दर्पण	पृष्ठ क्रमांक २
19	डॉ.आकाश रवींद्रनाथ मोरे डॉ.राम चंद्रकांत कुलकर्णी	२७ मार्च, २०२३	कोंबडी पालनातील जैवसुरक्षा	साप्ताहिक : उदगीर दर्पण	पृष्ठ क्रमांक ३
20	डॉ.आकाश रवींद्रनाथ मोरे डॉ.राम चंद्रकांत कुलकर्णी	२७ मार्च, २०२३	कोंबडीपालनाती ल अंतरु व बाह्य परजीवी नियंत्रण	साप्ताहिक : उदगीर दर्पण	पृष्ठ क्रमांक ३
21	Ram Kulkarni, Kuldeep Deshpande and Rajendra Sonwane	November 2023	कुक्कुटपालनात वनराजा श्रीनिधी ग्रामप्रिया मुळे समृद्धी	Dainik Sakal	01
22	R.C.Kulkarni	February 2024	उन्हाळ्यातील कोंबड्यांचे व्यवस्थापन	Sakal Agro one	12
23	R.C.Kulkarni, K.Y. Deshpande and Akash More	April 2023	कुक्कुट पालनातील जैवसुरक्षेची अंमलबजावणी	Sakal Agro one	12
24	R.C.Kulkarni, K.Y. Deshpande and Akash More	April 2023	परसबागेतील कुक्कुट पालनासाठी	Sakal Agro one	12

			वनराजा, ग्रामप्रिया, श्रीनिधी		
25	R.C.Kulkarni, K.Y. Deshpande and Balaji Dongare	May 2023	ब्रॉयलर कॉबडी पालनासाठी शेडची उभारणी	Sakal Agro one	12

6. Research Recommendations

Sr. No.	1.
Year	2022-23
Project Title	Molecular characterization of field and vaccine strains of Infectious bursal disease virus
Investigators	A.A.Agnihotri, S.P. Awandkar, M.B.Kulkarni, S.G.Chavhan, R.C.Kulkarni and V.G. Chavan
Recommendations	1. N212D and E300A amino acid substitutions as a regional marker for identifying very virulent Infectious bursal disease virus isolates from Central India 2. VP2 gene hypervariable nucleotide sequence from 584-1248 for correct genogrouping of Indian Infectious bursal disease virus isolates

Sr. No.	2.
Year	2023-24
Project Title	Effect of dietary addition of betaine on performance of broilers fed with diets with reduction in methionine and choline
Investigators	Ashish Kumar, R.C.Kulkarni , N.Z. Gaikwad, S.P.Awandkar, N.V.Khode and S.G.Chavhan
Recommendations	It is recommended that 0.05% dietary level of Betaine hydrochloride with 20% reduction in Methionine and Choline significantly improves growth performance, livability, immunity, and carcass traits of broiler chickens.

Sr. No.	3.											
Year	2023-24											
Project Title	Phylogenetic studies on fowl adenovirus serotype 11											
Investigators	S.P.Awandkar, G.M. Waghule, V.G. Chavan, R.C. Kulkarni , S.G. Chavan and M.B. Kulkarni											
Recommendations	It is recommended that, 1. Following primers are suitable for detection of Indian FAdV-11 by polymerase chain reaction. <table border="1"> <thead> <tr> <th>Gene</th><th>Primer</th></tr> </thead> <tbody> <tr> <td rowspan="2">Hexon L3 & 4</td><td>F 5' GGGGCTGAAGTATCGCTCTC 3'</td></tr> <tr> <td>R 5' ATGGCTTACTTCCGTACGCC 3'</td></tr> <tr> <td rowspan="2">Fiber</td><td>F 5' CTCCTTTCGCGTTCTCCATG 3'</td></tr> <tr> <td>R 5' CAACCCAGGAACCGTTCAAG 3'</td></tr> <tr> <td rowspan="2">Penton</td><td>F 5' GGGGTTCTCTTCTCCTCCTTC 3'</td></tr> <tr> <td>R 5' TGATAACCAACCCGCCGT 3'</td></tr> </tbody> </table> 2. Any of the hexon gene segment (nt 1551 to 2828), fiber gene (nt 14 to 1498) and penton gene (nt 122 to 1562) is suitable for classification of fowl adenovirus strain into five species and twelve serotypes.	Gene	Primer	Hexon L3 & 4	F 5' GGGGCTGAAGTATCGCTCTC 3'	R 5' ATGGCTTACTTCCGTACGCC 3'	Fiber	F 5' CTCCTTTCGCGTTCTCCATG 3'	R 5' CAACCCAGGAACCGTTCAAG 3'	Penton	F 5' GGGGTTCTCTTCTCCTCCTTC 3'	R 5' TGATAACCAACCCGCCGT 3'
Gene	Primer											
Hexon L3 & 4	F 5' GGGGCTGAAGTATCGCTCTC 3'											
	R 5' ATGGCTTACTTCCGTACGCC 3'											
Fiber	F 5' CTCCTTTCGCGTTCTCCATG 3'											
	R 5' CAACCCAGGAACCGTTCAAG 3'											
Penton	F 5' GGGGTTCTCTTCTCCTCCTTC 3'											
	R 5' TGATAACCAACCCGCCGT 3'											

Sr. No.	4.
Year	2024-25
Project Title	Effect of supplementation of oregano essential oil on performance of broiler chicken
Investigators	G.S.Gavhad, G.M. Gadegaonkar, M.M. Vaidya, R.C.Kulkarni , S.G.Chavhan, S.P.Awandkar, and S.J. Komatwar
Recommendations	It is recommended to supplement oregano essential oil @ 400 mg/kg of broiler feed for improved growth performance, gut health and profitable broiler production.

7. MOU signed by the Colleges

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

8. Research Priorities / Thematic areas: Department Wise

Department of Veterinary & Animal Husbandry Extension Education

1. Need assessment
2. Women empowerment
3. Technology assessment

9. Significant Research Achievement:

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