

Research:

1. List of Research Projects: Completed & Ongoing

Sr. N o.	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
	Invivo Efficacy of Serimat in mastectomy simulated surgery in pigs	PI - Dr. C. S. Mote Co-PI - Dr. Shalaka Chauhan	Intox Pvt Ltd Pune BIRAC project	5,44,000	Extramural	completed	2020-2021
	Evaluation of Feed stuff Dry Matter Degradability by Using Rumen fistulated Animals	PI - Dr.S. M Bhalerao Co-PI - Dr. Shalaka Chauhan	Hindustan Feeds Manufacturing company	4,42,000	Extramural	completed	2023-2024

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
	Invivo Efficacy of Serimat in mastectomy simulated surgery in pigs	PI - Dr. C. S. Mote Co-PI - Dr. Shalaka	Intox Pvt Ltd Pune BIRAC project	5,44,000	Extramural	completed	2020 - 2021

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3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers

4. Thesis:
Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr. Surekha Lotlikar	Endoscopic Assessment of oesophagus and stomach affections in Dog	2019	Dr. A. H. Ulemale
2	Dr. Amol Khawale	Comparative evaluation of TIVA and inhalation anaesthesia in cattle	2019	Dr. A. H. Ulemale
3	Dr. Pushpanath Chougale	Clinical studies on upward Luxation of patella with reference to alterations in medial patellar ligament in cattle	2019	Dr. R. V. Suryawanshi
4	Dr. Kamalkumar Jiddimani	Comparative Evaluation Of Corneal And Sclera Approaches For Phacoemulsification In Dog	2020	Dr. A. H. Ulemale
5	Dr. Gauri Pande	Bronchoscope Guided Diagnosis Of Respiratory Tract Affections In Dog	2020	Dr. Shalaka Salvekar
6	Dr. Gauri Ubhare	Clinical Use Of Ultrasonography For Diagnosing Affections Of Lungs In Equine	2020	Dr. R. V. Suryawanshi
7	Dr. Tayyab Ismail Attar	Clinical evaluation of amniotic membrane graft for management of corneal ulcer in dogs	2022	Dr. A. H. Ulemale
8	Dr. Shubham Harish Pant	Comparative study of tiletamine-zolazepam-isoflurane and propofol-isoflurane anesthesia in cats with abdominal affections	2022	Dr. Shalaka Salvekar
9	Dr. Shaikh Toufik Najirahamd	Evaluation of external skeletal fixation device for management of long bone fractures in ruminants	2022	Dr. R. V. Suryawanshi

10	Dr. Devika Deshpande	Evaluation of Zinc and Silver Fluorophosphate graft strips for plate osteosynthesis in dogs.	2023	Dr. V. D. Aher
11	Dr. Pratik Sudrik	Comparative Evaluation of Conventional and Ultrasound Assisted Tube Cystotomy for Obstructive Urolithiasis of Cattle	2023	Dr. A. H. Ulemale
12	Dr. Kiran KS	Clinical study on video-otoscopy under tiletamine- zolazepam- isoflurane anesthesia with special reference to surgico-therapeutic management of aural haematoma in pets.	2023	Dr. Shalaka Chauhan (Salvekar)
13	Dr. Aman Kr Tiwari	Clinical Evaluation of Titanium Elastic Nailing Techniques for Fracture Repair in Small Animals	2024	Dr. Shalaka Chauhan- (Salvekar)
14	Ashwin chaudhari	Clinical Efficacy of Synthetic Nanocrystalline Hydroxyapatite and b-Tricalcium Phosphate Composite Graft with and without Platelet Rich Plasma in Plate Osteosynthesis for Long Bone Fracture in Dog.	2024	Dr. A. H. Ulemale
15	Sagun bhatjiwale	Evaluation of SIS ECM Conjunctival Pedicle Graft and Corneo Conjunctival Transposition Graft for Treatment of Deep Corneal Ulcer in Dog.	2024	Dr. S.V. Agivale
16	Krushna Palve	Comparative Efficacy of Modified Morgan's Pocket Technique and Suture Anchor Placement Technique for Surgical Correction of Cherry Eye in dogs	2024	Dr. V. M.Salunke
17	Rahul Ram G	Lateral canthal reconstruction techniques for ocular affections in dog	2025	Dr. Shalaka Chauhan
18	Hemant shende	Evaluation Of Osteoinductive Properties Of Collagen With Platelet Rich Plasma And <i>Cissus Quadrangularis</i> In Long Bone Fracture Of Dogs.	2025	Dr. S.V. Agivale
19	Shruti Mehendale	Evaluation of toggle pinning technique for surgical management of coxofemoral dislocation in dogs.	2025	Dr. A. H. Ulemale

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	S.V.Gujarmale, S.D.Nagargoje, S.M.Agivale ,C. L.Badgular and A.U.Bhikane	2018	Successful surgical management of congenital tumour mass on poll region	J. Bombay Vet. College	24(1) : 97-97	
2	A.S. Jadhav, A.U. Bhikane, R.K. Jadhav, Neelam Kushwaha, S.M. Agivale and A.B. Kanduri	2018	Epidemiology, clinico-biochemistry and evaluation of treatment modalities for the management of osteomalacia in buffaloes	Buffalo bulletin	Vol 38 (40): 579-592.	6.2
3	Shalaka Chauhan* , Gauri Pande, A.H. Ulemale, Gauri Ubhare, Kamalkumar Jiddimani and Manish Bale (2019)	2019	Management of a Large Urolith and Papyraceous Mummified Foetus in a Female Dog: Case Report.	Veterinary Clinical Science October-December, 2019	Volume 07 Issue 04 Pages 56-58	4.5
4	Agivale SM , Khandekar GS, Tripathi SD, Sawandkar PG	2019	Clinical evaluation of xylazine, ketamine and guaifenesin	Adv. Anim. Vet. Sci	7(4): 265-271	

			as total intravenous anesthesia in equines...			
5	Agivale S. M., Bhikane A.U., Badgujar C.L.W.A.A.Raz zaque	2019	Surgico- Therapeutic management of oesophageal obstruction in pregnant Marathwadi buffalo- An unusual case.	Buffalo bulletin	38(4) : Page 695-699	6.2
6	S.M.Agivale, C.L.Badgujar and A.U.Bhikane	2019	Surgical Excision of vulval growth in Mare: A case report.	J.Bombay Vet. College	25(1): 91 -92	
7	Dhawale R.T,SS Pitlwar, CL Badgujar, SM Agivale, MK Patil and VN Khandait.,	2019	Evaluation of comparative efficacy of xylazine- ketamine- guaifenesin and ketamine- guaifenesin anaesthesia for surgical management of urogenital affections in cattle,	Journal of Entomology and Zoology Studies	Vol. 7(1)	
8	S.P. Awandkar, S.S. Ghoke, S.M. Agivale and M. B. Kulkarni	2019	Equine Paratyphoid and its Management in a Kathiawari horse.	Intas Polivet.	20,(2): 395-396	
9	S.D. Lotlikar, A.H. Ulemale, S.P Salvekar*	2020	Endoscopic Retrieval of gastric foreign	Haryana Vet.	Vol 59(2),	5.58

	,R.V. Suryawanshi, A.H. Kawhale., P.P. Mhase, V.S. Dhaygude , V.V. Karande		bodies in dogs - A clinical study of 14 cases.		256-259, (2020)	
10	A.H. Kawhale. A.H. Ulemale, S.P Salvekar* , S.M. Agivale., R.V. Suryawanshi, , P.V. Mehere, B.P. Kamdi	2020	Comparative Evaluation of total intravenous anaesthesia (TIVA) and inhalation anaesthesia in cattle.	Haryana Vet.	Vol 59 (2), 220-224, (2020)	4.5
11	G. Pande and Shalaka Salvekar*	2020	Parenteral and Enteral nutrition - A post surgical requirement in intestinal surgeries in dogs.	Intas Polivet.	Vol. 21 (2) pp: 480-484, (2020)	4.79
12	S. Chauhan*., Suryawanshi R.V., Tayyab Attar, A.H. Ulemale, Toufik Shaikh and Shubham Pant (2020)	2020	Surgical Repair of Perineal Hernia in a Male Dog by Internal Obturator Transposition Herniorrhaphy Technique.	Veterinary Clinical Science April- June, 2020	Volume 08 Issue 02 Pages 33-35	4.5
13	R.V. Suryawanshi, A.H. Ulemale, Y.B. Jadhav, GauriUbhare.	2021	Clinico-haematobiochemical Evaluation of Diaphragmatic Hernia and its Surgical Management in Cattle and Buffaloes- A Retrospective	Indian Journal of Animal Research 2021, https://arccjournals.com/journal/indian-journal-of-animal-research/B-4406 .	-	6.40

			Study of 32 Cases			
14	G. S. Ubhare, R.V. Suryawanshi, A.H.Ulemale , A. B. Mali, C. S. Mote, U. M. Tumlam, P. V. Mehre, S. B. Swami, Y. B. Jadhav and P. B. Chougale.	Sep'2021	Diagnosis of Lower Respiratory Tract Diseases with the Help of Bronchoalveolar Lavage Fluid in the Equines	International Journal of Livestock Research,	Vol. 11 (9)	5.57 / 0.677
15	R. V. Suryawanshi, GauriUbhare, GauriPande And A. H. Ulemale	April, 2021	Surgical Repair Of A Tibiotarsal Fracture By Intramedullary Pinning In Goose-A Case Report	Haryana Vet.	60(SI), 143-144	5.58
16	G.S. Ubhare, R.V. Suryawanshi, A.H. Ulemale , A.B. Mali, S.B. Swami, Y.B. Jadhav, C.S. Mote, B.P. Kamdi And P.B. Chougale	December, 2021	Ultrasonographic Evaluation Of Pulmonary Abscess In Adult Horse: Case Report	Haryana Vet.	60(2),305-306	5.58
17	R.V. Suryawanshi, G.S. Ubhare, Y.B. Jadhav, P.B. Chougale, S.D. Lotlikar and A.H. Ulemale	June 2021	Successful surgical management of intussusception in two Holstein Friesian cows.	Indian J. Vet. Surg.	42(1): 69,	5.25
18	R.V. Suryawanshi and A.H. Ulemale	March -2022	Surgical repair of urethral diverticulum with penile urethral hypospadias in two osmanabadi kids	Haryana Vet.	61 (SI),139-40	5.58

19	Jayshree V. Changade, Anil H. Ulemale , P.B. Jondhale	Nov. 2021	Formulation & Efficacy of Plaksha (<i>FicusLacor</i>) ointment in the management of non-healing ulcer.	Research Journal of Pharmacology and Technology	14(11): P.P. 5680-5682	3.912
20	Abdul Khayum NM, Choudhari K.S., Pitlawar S.S., Ghoke S.S. Agivale S.M. and Borakhede S.S.	2021	Evaluation of Ketamine-Guaifenesin and sevoflurane for maintenance of anaesthesia in buffaloes undergoing diaphragmatic herniorrhaphy.	The Pharma innovation Journal.SP	SP-10 (11): 1000-1003	
21	S.A. Chauhan* , Shubham Pant, G.S. Khandekar, S.D. Tripathi., V.D. Aher., T.I. Attar, V.G. Nimbalkar (2022)	2022	Comparative study on the anesthetic effect of tiletamine-zolazepam and propofol as an inducing agent for conventional and endoscopic abdominal surgeries in domestic cat.	Indian Journal of Animal Research.	1-7 B-4914	6.50
22	R.V. Suryawanshi , A.H. Ulemale, Y.B. Jadhav1, Gauri Ubhare.	2022	Clinico-haematobioc hemical Evaluation of Diaphragmatic	Indian Journal of Animal Research 2022, https://arccjournals.com/journal/indian-journal-of-animal-research/	B-4406.	6.50

			c Hernia and its Surgical Management in Cattle and Buffaloes- A Retrospective Study of 32 Cases			
23	Suryawanshi, R.V and Ulemale, A.H	2022	Surgical Repair of Urethral Diverticulum with Penile Urethral Hypospadias In Two Osmanabadi Kids	Haryana Vet. (March, 2022) 61(SI), 139-140.		5.58
24	Pande, G., Salvekar, S.P., Ulemale, A.H., Suryawanshi, R.V. , Tumlam, M.M and Kamdi, B.P.	2022	Tracheobronchoscopy In A Twelve-Year-Old Pomeranian	Haryana Vet. (March, 2022) 61(Si), 150-151.		5.58
25	D. N. Deshpande, V. D. Aher, H. P Aithal, S. A Chauhan , S. M. Agivale, V. S. Dhaygude and V. G Nimbalkar	2023	Clinical Evaluation of Zinc and Silver fluorophosphate graft strips as osteoinducer for long bone fracture management in dogs.	IJVS.	44(1) : 33-36 June 2023	4.3
26	Shaikh Toufik, RV Suryawanshi, HP Aithal, AH Ulemale, SA Chauhan and DM Muglikar	2023	Comparative evaluation of various external skeletal fixator (ESF) device configurations for	International Journal of Veterinary Sciences and Animal Husbandry	2023-2024 and July 2024; 9(2): 249-256	4.61

			managemen t of long bone fractures in cattle.			
2 7	Ramteke, S. S., Razzaque, W. A. A., Agivale, S. M. , & Alai, R. V.	2023	A dicephalous tetrabrachius thoracophagu s tetrapus dicaudatus conjoined monster calf in Marathawadi buffalo: A case report.	<i>Buffalo Bulletin,</i>	42(1), 51–56.	6.2
2 8	P.P. Sudrik, R.V. Suryawanshi, A.H.Ulemale, V.D. Aher, S.M. Agivale , V.S.Dhaigude ⁶	2023	(2023) Comparative evaluation of conventional and ultrasound- assisted tube cystotomy for obstructive urolithiasis in cattle.	The Indian Journal of Animal Sciences	94 (5), 419-421	
2 9	CL Badgujar, S.M. Agivale , SAS Maulana, AKN	2023	Epidural anesthesia with traditional technique versus epidural catheterizatio n technique in buffaloes.	Buffalo Bulletin	42 (3), 431-435	6.2
3 0	R.V. Suryawanshi, Choughule, P.B., A.H. Ulemale and Lambate, S.B	2023	Collagen Fibril Morphologic al Study of Medial Patellar Ligament of Stifle Joint	Indian Jour Anim Res. (2023) 10.18805/IJAR.B-5119	B-5119	6.50

			Affected with Patellar Luxation in Cattle			
31	Suryawanshi, R.V., Rangnekar, M.N., Ulemale, A.H. and Ubhare, G.	2023	Bilateral ovariectomy for successful surgical management of cervico-vaginal prolapse with vesicocele in a Multiparous cow	Haryana Vet. (2023) 62 (SI):2-2	62 (SI):2-2	4.50
32	Agivale S.M. , Shende HU, Mehendale SV, Rahul Ram G, Salunke VM and Ulemale AH	2024	(2024), Use of tilapia fish (<i>Oreochromis niloticus</i>) skin graft for chronic wound management in six dogs.	Int. J. Vet.Sci Ani Husbandry	9(4) : 522-526	
33	Shinde, A. K., Lonkar, V. D., Kadam, A. S., Dhaygude, V. S., Bhalerao, S. M., & Agivale, S. M	2024	(2024). Effect of feeding dietary calcium on egg production, egg defects, tibia, and femur bone status during extended laying cycle in commercial layers.	<i>International Journal of Livestock Research,</i>	14(3)	

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
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1	सत्यवान आगिवले, राहुल सूर्यवंशी	२०१७	जनावरांच्या खुराची काळजी	अॅग्रोवन	जून २०१७
2	सत्यवान आगिवले, अनिल भिकाने	२०१८	श्वानांच्या दातांचे आजार व निगा	अॅग्रोवन,	ऑगस्ट २०१८
3	सत्यवान आगिवले, अनिल भिकाने	२०१८	दुधाळ जनावराच्या कासेची काळजी.	अॅग्रोवन	डिसेंबर २०१८ पान नं. ०५
4	सत्यवान आगिवले, चंद्रवदन बडगूजर	२०२०	पशु चिकीत्सेमधील भौतिक शास्त्राच्या सोप्या पद्धती ,	ब्यु क्रॉस दिवाळी अंक	३८
5	सत्यवान आगिवले, संजीव पिटलावार	२०१९	शिंंगाचा कार्कारोग : कारण मिमांसा व प्रतिबंधात्मक उपाययोजना	बळीराजा मासिक	ऑक्टोबर २०१९
6	सत्यवान आगिवले, अनिल भिकाने	२०२०	जनावरांच्या दातांचे आजार व काळजी,	अॅग्रोवन	०५
7	सत्यवान आगिवले, विलास आहेर	२०२२	जनावरांच्या डोळ्यांचे आजार	अॅग्रोवन	०५
8	व्ही.जी.निंबाळकर, जी.एस.सोननावे, व्ही.एम. साळुंखे, एस.पी.साळवेकर, व्ही.के. कदम	२०२३	नवजात कालवड गबन होई-प्रयांत त्याचि काळजी आनी व्यवस्थापन.	मैत्री प्रशिक्षण स्मरणिका	२२९-२३०
9	एस.पी.साळवेकर, व्ही.जी.निंबाळकर,	२०२४	शेळ्यातील प्रथमोपचार	पशुसखी प्रशिक्षण स्मरणिका	२२-२३
10	डॉ. सत्यवान आगिवले, अनिल उलेमाले	२०२४	शेळ्यातील जखमा, रक्तस्त्राव, हाड मोडणे, इजा होणे व त्यावरील प्रथमोपचार	पशुसखीच्या सक्षमीकरणासाठी “शेळीपालन कार्यक्रम” मधील माहितीपुस्तिका	१३

6. Research Recommendations

Sr. No.	XIX JASRC recommendation no.17
Year	2021-22
Project Title	Bronchoscopy-guided bronchoalveolar lavage (BAL) for diagnosis of respiratory tract affections in dogs.
Investigators	Dr. Gauri Pande and Dr. Shalaka Salvekar
Recommendations	Bronchoscopy guided bronchoalveolar lavage (BAL) is recommended in dogs premedicated with deriphyllin @ 11mg/kg body weight and preoxygenation for 10 minutes for safe diagnostic modality to accurately assess the severity and extent of dynamic respiratory diseases.

Sr. No.	XX JASRC recommendation No 16
Year	2021

Project Title	Clinical evaluation of surgical pocket mesh-implant for mastectomy simulated surgery in Pigs under two different anesthetic techniques.
Investigators	S. A. Chauahan, C. S. Mote., V. D. Aher., R. V. Suryawanshi and M.B. Amle
Recommendations	1. In porcine, for long duration of surgeries over 90 minutes, combination of butorphanol 0.2mg/kg IM, Midazolam 0.2mg/kg IM and propofol 4mg/kg IV is recommended for induction of anaesthesia for easy intubation followed by maintenance of anaesthesia with Isoflurane 2%. 2. The surgical technique of creating a subpectoral pocket ventro-laterally in inframammary fold (approximately 4 to 5 proximal to the xiphoid and 2 to 3 cm away from the first pair of mammary gland at the level of the elbow joint) along with overlaid acellular matrix fixed laterally is recommended for insertion and maintenance of implants for 3 months duration in the pigs.

Sr. No.	XXI JASRC clinical section, Surgery - recommendation no. 5
Year	2022
Project Title	Clinical Evaluation of amniotic membrane graft for management of corneal ulcer in dogs.
Investigators	Attar Tayyab Ismail, A. h. Ulemale, R. V. Suryawanshi, S. A. Chauhan, V. Dhaygude and A. B. Mali
Recommendations	The dry human amniotic membrane grafts are recommended for healing of deep seated non responsive corneal ulcers in dogs.

Sr. No.	XXI JASRC clinical section, Surgery - recommendation no. 6.
Year	2023
Project Title	To evaluate and compare zinc fluorophosphate strip and silver fluorophosphates strip osteoinduction and fracture healing in dogs.
Investigators	Devika Deshpande, V. D. Aher, H. P. Aithal, S. A. Chauhan, S. M. Agivale
Recommendations	Zinc fluorophosphate grafts with locking compression plating (LCP) is recommended for early and superior quality of long bone healing in dogs.

Sr. No.	XXII JASRC clinical section, Surgery - recommendation
Year	2024
Project Title	Clinical evaluation of titanium elastic nailing techniques for fracture repair in small animals.
Investigators	Aman Kumar Tiwari and Dr. S. A. Chauhan
Recommendations	Titanium elastic nailing technique is recommended for transverse, oblique and distal diaphyseal long bone fracture repair in skeletally immature dogs & cats owing to its early weight bearing and ambulation.

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

A. Diagnostic modalities (Radiology, USG, Endoscopy) and soft tissue surgery in small & large animals.

B. Advancement in small & large animal orthopaedics.

C. Advancement in surgery of Sensory tissues (Eye, Ear, Skin etc).

D. Optimization of anaesthetic protocols for small & large animals for various surgical interventions.

Significant Research Achievement:

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