

Research: **Veterinary Surgery and Radiology**

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	To study the effect of Hoof affections on draught power or production and its surgico-therapeutic Management in cattle (STRP)	PI- Dr.R.V. Raulkar Major Advisor- Dr.M.G. Thorat	Agricultural Training Management Agency	2,00,000	Extra-mural	Completed	1 year
2	Strengthening of TVCC and Diagnostic Laboratory at PGIVAS, Akola	Co-PI Dr.M.G. Thorat	RKVY	4.5 Crore	Extra-mural	Completed	2019-2023
3	Surgical Neutering and Anti rabies vaccination Neutered Stray Dogs under ABC programme.	PI	AMC, Akola	5.67 lakh	Extra-mural	Completed	2018-2021

2. List of Private Agency Projects:

Sr. No.	Title of the Project	Name of PI/ Major Advisor/ Research Worker	Funding Agency	Total Cost (Rs in Lakh)	Extra-mural / Intra-mural	Status (Completed/ Ongoing)	Duration
1							

2. Research Priorities:

1. Small and Large Animal Soft Tissue Surgery
2. Surgeries of Musculo-skeletal system
3. Small and Large Animal Anaesthesia
4. Ophthalmic and dental surgeries in small animals
5. Surgico-therapeutic management of obstructive urolithiasis in cattle

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1	Diagnosis and surgico-therapeutic management of anterior segmental ocular affections in dog	To find better surgico-therapeutic approach	To record the incidence of anterior segmental ocular affections in dog. To standardize the diagnostic and surgico-therapeutic approach for management of anterior segmental ocular affections in dog.	Database will be available about incidence of anterior segmental ocular affections in dog Will help to find better surgico-therapeutic approach that will benefit farmer, reducing the treatment cost.
2	Clinical Evaluation of Subdermal skin flaps for reconstruction of extensive skin defects in dog	To find out the best possible approach for skin defects reconstruction	To evaluate subdermal skin flap technique clinically for reconstruction of extensive skin defects in dog	Better approach for reconstruction of extensive skin defects could be recommended.
3	Clinical efficacy of demineralised bone matrix as xenograft for healing of comminuted long bone fracture in dog	To find out the better modality for healing of comminuted long bone fracture	To evaluate the clinical efficacy of demineralised bone matrix as xenograft for healing of comminuted long bone fracture in dog	Will help to popularize the use of demineralised bone matrix as xenograft for healing of comminuted long bone fractures in dog
4	Clinico-therapeutic efficacy of Sodium Pentosan Polysulphate and Grapiprant for the management of osteoarthritis in dog	Effective management of osteoarthritis in dog	To compare the Clinico-therapeutic efficacy of Sodium Pentosan Polysulphate and Grapiprant for the management of osteoarthritis in dog	Comparatively economical clinico-therapeutic regimen for osteoarthritis in dog would be possible.

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2. Thesis:

Master:

Name of Department :				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	1975	Various surgical teat affection of cow , she buffalo & she goats (a clinical & experimental study)	S.V.Pande	
2	1977	Disbudding of cow calf (comparative study of various surgical techniques).	Md.A.Khan	
3	1978	Experimental autogenous and homogenous penetrating corneal transplantation in bovines.	P.C.Zambre	
4	1978	Experimental traumatic pericarditis in bovines (a clinical and clinicopathological study).	D.B.Pawashe	
5	1979	Comparative Study Of Different Doses Of Procaine hcl In Water And 10% Alcohol As A Retrograde Anesthetic In Cattle.	G.B.Choudhary	
6	1980	An experimental study of IVRA of limbs in cattle.	S.P.Mehesare	
7	1982	Effect of electrical stimulation on fracture in buffaloes calves).	S.B.Thakur	
8	1982	Experimental hemorrhagic shock in buffaloes calves (hemodynamic, biochemical, symptomatic and therapeutic study).	K.T.Deshmukh	
9	1984	Assessment of Effect Of Different Concentrations Of Xylocaine In 15,17.5 And 20% Ethyl Alcohol On Epidural Anesthesia In Cattle.	K.K.Kohner	
10	1984	Comparative evaluation of different concentrations of centbuidine and xylocaine in epidural and infraorbital nerve block in cattle.	A.N Aglave	
11	1984	Comparative evaluation of different concentrations of centbuidine and xylocaine in paravertebral and retro bulbar nerve block in cattle.	V.A.Pimpalkar	
12	1985	Clinical clinicopathological and urodynamic studies during experimental uretral obstruction in bovine.	B.M.Gahlod	
13	1987	Studies on tenorrhaphy by different types of graft	R.B.Saoji	
14	1990	Comparison of Autogenous & Homogenous Free- Full Thickness Skin Grafting In Canine	M.G.Thorat	
15	1990	Evaluation of Autogenous Full Thickness & Split Thickness In Calves	A.N.Raut	
16	1990	Studies on survival of preserved bone grafts under the influence of homeopathic treatment in calves	G.D.Patil	
17	1992	Allogeneic bone grafts as biological alternative to auto grafts	R.V.Raulkar	
18	1993	Allogeneic bone grafting & electromagnetic stimulation in healing of bone defect in buffalo	R.V.Pacharne	

		calf		
19	1993	Non penetrating foreign body syndrome in bovine	B.P.DANDGE	
20	1993	Urodynamics of bovine urolithiasis with referance to cystoplasty	D.B.Pawashe	
21	1994	Assessment of osteosynthetic effect of allograft & magnetic stimulation in bovines	V.B.Deshmukh	
22	1994	Biochemical changes in the ruminal content with nonpenetrating foreign body syndrome in bovines	S.J.Bawne	
23	1996	Comparative evaluationof Biological Dressing Material (Spleen &Urinary Bladder &Antibiotic Powder (Neosporin) On Wound Healing	S.S.Puri	
24	1997	Comparative study of induced penetrating & non penetrating foreign body syndrome in bovine	M.G.Thorat	
25	1998	Study of autogenous oral mucosal&mammary skin grafts for treatment of caprine teat fistulae	J.E.Fernendes	
26	1999	Comparative study of allogenous ,oral,mucosal,vaginomucosal grafts in the treatment of caprine teat fistulae	P.S.Choudhari	
27	2000	Comparative study of xylazine &ketamine with &without atropine sulphate in goats	D.D.Narle	
28	2000	Effect of various immobilization technique with sp. Ref. To inj. Placentex for healing fracture in caprine	G.P.MANJULKAR	
29	2000	Preanaestheticdependant Ketamine Anaetshsia In Goat- Clinical,Haematological& Biochemical Assessment	S.B. AKHARE	
30	2001	Clinical ,hematological&biochemical study in relation to non- metallic foreign body recovered from fore-stomach in bovine	V.A.Wawre	
31	2001	Evaluationof Xylazine &Pentazocine As Neurleptanalgesia In Goats	R.V.Jadhav	
32	2003	Clinical &biochemical study in non-penetrating foreign syndrome in bovine with reference to different therapeutics measures.	R.R.Rohi	
33	2003	Comparative evaluationof Different Doses of Lignocaine HCL With &Without Alcohol in Bier'sblock In Goats	P.V.Warbhe	
34	2003	Effect of non-penetrating foreign body syndrome on rumen &liver function in bovine (a clinical study)	S.S.Guble	
35	2003	Evaluationof Propofol As General Anesthetics In Goats	R.N.Chavan	
36	2003	Preanethesitic dependent propofol anesthesia in goats –clinical ,hematological biochemical assessment	P.N.Nagpure	
37	2004	Comparative evaluation of diazepam &xylazine as preanesthetic to propofol anesthesia in goats	J.S.Bhagat	
38	2004	Comparative evaluation of midazolam,acepromizine &haloperidol as preanesthetic to propofol anesthesia in canine	M.A.Khizar Khan	
39	2004	Effect of non-penetrating foreign body on clinical, biochemical&rumen function with	R.B.Patil	

		special reference to histo-pathology of ruminal mucosa		
40	2005	A study on mammary tumor in canine with special reference to cyclophosphamide chemotherapy	R.B.Surywanshi	
41	2005	Comparative study of bupicavine ,xylazine &ketamine for induction of epidural analgesia in canine	FaniFarheen	
42	2005	Effect of fentanyl- ketamine for lumbosacral, epidural anesthesia in dogs	R.S.Rao	
43	2006	A study on extraction on lens &intra-ocular lens implant in dogs	N.C.Wakankar	
44	2006	Comparative study of halothane &isoflurane volatile inhalant anesthesia in canine	A.V.Narkhede	
45	2006	Study on clinical evaluation of diazepam&pentazocine as preanesthetic prior to ketamine anesthesia in goats	V.R.Hange	
46	2007	Comparative evaluationof Bupivacaine,Xylazine &Ketamine For Induction Of Epidural Nerve Block In Goats	G.P.Dhage	
47	2007	Comparative evaluation of different doses of midazolam as preanesthetic with ketamine hcl in canine	S.U.Rathod	
48	2007	Comparative study of different doses of midazolam as a preanaesthetic with thiopentone sodium in canine	P.R.Zade	
49	2008	Clinical Study On evaluationof Various Preanesthetic In Canine	P.M.Khodwe	
50	2008	Comparative study of halothane and isoflurane for anaesthetic management in canines	G.P.MANJULKAR	
51	2008	Reversal Effect Of A2 Agonist Using Antagonist In Dogs.	S.D.Chepte	
52	2009	Clinical , haematobiochemical & rumen liquor profile study in nonpenetrating syndrome in goats	R.G.Shrirao	
53	2009		C.D.Chandore	
54	2009	Reversal effect of Yohimbine hcl In Xylazine ,Ketamine hcl Combination in Goat	V.A.Borse	
55	2010	Studies on efficacy of surgico- chemothepeutics management in bitches	G.M.Khan	
56	2012	Clinical study on reversal effect of yohimbine hcl in surgical cases in cattle	N.G.Shete	
57	2012		A.P.Patil	
58	2012	Clinical evaluation of dissociative anaesthesia in combination with diazepam and xylazine in buffalo calves	P.A.Mool	
59	2013	Clinical evaluation of bioadhesive in comparison with conventional suture material for skin closure in dogs	M.R.Kate	
60	2013	Clinical evaluationof Calotropis Gigantean,Balanites Aegyptiaca &Aloe veraon Wound Healing in Bovine	M.R.Boche	
61	2013	Comparative evaluation of diazepam,	B.R.Dighule	

		midazolam and lorazepam as a preanesthetic prior to ketamine anesthesia in buffalo.		
62	2013	Midazolam, propofol & dexmedetomidine propofol anaesthesia for ovariohysteriotomy in dogs	P.V.Charde	
63	2014	Comparative efficacy of surgical and chemical castration in male dogs	P.S.Dorle	
64	2014	Evaluation of symphyseal ossification as an osteoinducer in healing of fracture in goats	F.I.Bagwan	
65	2014	Optimization of anesthetic protocol for castration in cow bull	Rajiv Kant	
66	2015	Clinical evaluation of Bryophyllum pinnatum and Curcuma amada extracts on wound healing in bovine	Pandve E.R.	
67			K.S.Marwah	
68			V.S.Panchbhai	
69			S.N.Patil	
70			S.P.Mehesare	
71			P.C.Zambre	

Doctoral:

Name of Department:				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Dr. K.S. Marwah	-		Dr. P. E. Kulkarni
2	Dr. V.S. Panchbhai	-		Dr. P. E. Kulkarni
3	Dr. S.N. Patil	-		Dr. P. E. Kulkarni
4	Dr. S.P. Mehesare	Electromagnetic stimulation on fracture healing in Buffalo-calf		Dr. P. E. Kulkarni
5	Dr. B.P. Dandge	Non-penetrating foreign body syndrome in Bovines	1993	Dr. M.D. Narkhede
6	Dr. P.C. Zambre	-		Dr. M.D. Narkhede
7	Dr. D.B. Pawshe	Urodynamics of Bovine urolithiasis with reference to cytoplasty	1993	Dr. S.S. Marudwar
8	Dr. M.G. Thorat	Comparative Study of Induced Penetrating and Non-penetrating Foreign Body syndrome in Bovines	1997	Dr. B.P.Dandge
9	Dr. S.B. Akhare	Preanaesthetic Dependent Ketamine Anaesthetic in goat-clinical Haematological and Biochemical assessment	2000	Dr. D.B. Pawshe
10	Dr. G. P. Manjulkar	Comparative study of Halothane & Isoflurane for anaesthetic management in canine.	2008	Dr. D.B. Pawshe
11	Dr.R.V.Raulkar	Surgico-therapeutic strategies for	2017	Dr.M.G.Thorat

		management of hoof affections in cattle		
12	Dr.S.D.Chepte		2019	Dr.M.G.Thorat
13	Dr.Farheen Fani	Studies on nonpenetrating foreign body syndrome with special reference to plastic toxins and ruminal gases in cattle	2019	Dr.M.G.Thorat

3. 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. G. Thorat, M. V. Joshi, B. P. Dandge, S. P. Patil and M. D. Narkhede	1992	Comparative study of Autogenous and Allogeneous Full Thickness Skin Grafting in Canines	Indian Journal of Veterinary Pathology	16(1):	5.54
2	B. P. Dandge, D. B. Pawshe, M. G. Thorat and Jenny Fernandes	1999	Surgical Management of Papilloma and Seminoma in Bullock	Indian Journal of Veterinary Surgery	20(1):59	5.25
3	M. B. Amle, R. R. Shelar, M.G.Thorat and A.N.Zope	2004	Congenital Umbilical Hernia and Cryptorchidism in a Pandharpuri Buffalo Calf	Buffalo Bulletin	23(4):82-83	6.20
4	N.L.Narale, S.T.Borikar, A.N.Zope and M.G.Thorat.	2006	Osteochondritis Dissecans : A developmental orthopaedic disease of Equine-A review	Veterinary World	4(12):374-377	4.83
5	G.U.Yadav, A.D.Patil, A.U.Bhikane, N.M.Markandeya and M.G.Thorat	2007	Unusual foreign bodies in prepuce cavity	Veterinary Practitioner	8(1):41	5.10
6	G.U.Yadav, V.D.Aher, S.D.Moregaonkar, A.U.Bhikane	2007	Extrathoracic tumour in a Holstein Friesian Cross Bred Cow	Veterinary World	5(12):389	4.83

	and M.G.Thorat					
7	G.U.Yadav, V.D.Aher ,A.U.Bhikane and M.G.Thorat	2007	Reticular fistula in a Deoni Cow	Veterinary World	6(1):15	4.83
8	G.U.Yadav, M.G.Thorat, A.G.Somwanshi and M.J.Talekar	2008	Thoracic oesophageal obstruction in a MarathwadiBuffalo	Veterinary World	1(5):149	4.83
9	M.G.Thorat, A.U.Bhikane, G.U.Yadav, H,R,Ghadge and M,V,Mahajan	2008	Clinical Management of multiple abscesses in Bullock	INTAS Polivet	9(1): 79-80	3.95
10	C.L.Badgujar, A.D.Patil ,N.M.Markandeya and M.G.Thorat	2008	CamplorrhachisScoliosa in a Red kandhari Cow	Indian Veterinary Journal	85:895-896	4.93
11	G.U.Yadav, M.G.Thorat and S.N.Bedarkar.	2008	Efficacy of Xylazine as a sedative in cattle.	Veterinary world	1(11):340	4.83
12	A.D.Patil, D.S. Raghuwanshi, U.B.Kumbhar, K.S. choudhari and M.G.Thorat	2009	ThoracophagusSterno phagus conjoined twin in a Marathwadi Buffalo Calf	Veterinary Practitioner	10(2):155-156	5.10
13	K.S.Choudhari, M.G.Thorat, G.U.Yadav, J.B.Mulani, A.A.Suryawanshi and S.S.Ingle	2009	Role of radiological examination in diagnosis of foreign body in bovine	Veterinary World	2(9):339	4.83
14	G.U.Yadav, A.U.Bhikane, V.D.Aher , M.G.Thorat, N.M.Markandeya and P.S.Masare	2009	Standardization of diagnostic procedures and operative methodology in clinical cases of intussusception in bovines.	INTAS Polivet,	10(1):4-7	3.95
15	A.D.Patil, N.M.Markandeya,	2009	Dystocia in Marathwadi Buffalo	The Indian Journal of	30(2):79-80	**

	G.U.Yadav, M.G.Thorat and S.D.Moregaonkar		due to foetal ascitis Associated with developmental defects.	Animal Reproduction		
16	H.R.Ghadge, A.U.Bhikane, P.B.Hase and M.G.Thorat	2010	Comparative efficacy of chelated and conventional mineral preparations in lactating buffaloes	Indian Veterinary Journal	87:402-403P.P. 82-83	4.93
17	K.M.Khan, M.G.Thorat, S.P.Waghmare and R.V.Raulkar, A. M. Bodkhe, S. H. Vyavahare & L. A. Khan	2012	Eclampsia in Bitch: A case report	Veterinary Practitioner	13(1):111	5.10
18	B.M.Gahlod, S.B.Akhare and M.G.Thorat,	2012	Tibial fracture and its surgical management using internal and external fixation in a Black Buck	INTAS Polivet,	13(II):466-468	3.95
19	Upadhye S.V., Gahlod B.M., Dhakate M.S., Thorat M.G., Khante Gauri, Salvekar Shalaka and FaniFarheen	2012	Management of Femoral Neck Fracture in a German Shepherd Dog	Journal of Bombay Veterinary College(2011-2012)	19(1 and 2):60-61.	**
20	Upadhye S.V., Thorat M.G., Akhare S.B., Kamble Mrunal, Salvekar S.S., Khante G.S., Khillare K.P. and FaniFarheen	2012	Penectomy following Fracture of Os-penis in Dog-A Case Report	Journal of Bombay Veterinary College(2011-2012)	19(1 and 2):69-70	**
21	B.M.Gahlod, S.B.Akhare, M.G. Thorat, M.S.Dhakate, S.P. Salvekar and Vijay Tailor	2013	Surgical management of oesophageal obstruction in a bullock	Indian Journal of Veterinary Surgery	34(1):72	5.25
22	Prajakta Charde, Bharat Dighule, Mayur Kate, M.G. Thorat, P.T. Jadhao and	2014	Surgical management of fish hook in Indian flap –shelled turtle	The Indian Journal of Field Veterinarians	9(3):77	5.58

	R.V.Raulkar					
23	P. Charde,B. Dighule,M.Kate, P.T.Jadhao M.G.Thorat and R.V.Raulkar	2014	Midazolam-Propofol and Dexmedetomidine- Propofol anaesthesia for Ovariohystere- ctomy in Dogs	Indian Veterinary Journal	91(8):10 7-109	4.93
24	Raulkar R.V., Thorat M.G., Kuralkar S.V., Chepte S.D., Waghmare S.P. and Kharwadkar M.D.	2016	Morphometric Evaluation of hooves in different affections of hoof in cattle	International Journal of Agriculture Sciences,	vol.8 issue:54 2016 page no 2858 to 2861	4.58
25	S.D.Chepte , M.G.Thorat, FarheenFani, R.V.Raulkar, S.G.Deshmukh, M. F. M. F. Siddiqui and J.G. Gudewar	2016	Successful Surgical Management of CoenurusGaigeri Cyst in a Buck	Journal of Bombay Veterinary College	23(2): 56-58	**
26	M.G.Thorat ,M.F.M.F. Siddiqui, R.V.Raulkar, S.G.Deshmukh, FarooqueBaghwan , PoojaS.Dorleand Rajiv Kant	2016	Surgical Management of Lacerated Wound in a Rescued Cobra	Veterinary Practitioner Vol.17 No.1	Page:89	5.10
27	Deshmukh S.G., Ingawale M.V., Birade H.S., Thorat M.G.,Kuralkar S.V.,Rehate D.H., Mode S.G. and Chepte S.D.	2017	Effect of Dietary Supplementation of Crushed Flaxseed and Soyabin Oil on Ovarian Functions in Postpartum Jersey Crossbred Cows.	The Indian Journal Veterinary Science and Biotechnology	Vol.12(3): 118- 123	5.58
28	J. D. Rathod, S. D. Chepte, V. D. Aher, S. V. Gaikwad and M. G. Thorat.	2017	Evaluation of External Fixator for Treatment of Fracture in Goat (Capra hircus)	Journal of Bombay Veterinary College (2017)	24(1): 44-47	**
29	A.M.Salankar, R.S.Dalvi, N.C.Nandeshwar,S.K.Saha	2017	Age related changes in cortical depth and	Indian Journal of Small	Vol. 23(1):12	5.95

	tpure, M.G.Thorat and P.M.Gedam		neuronal cell packing density in cerebral cortex of goat	Ruminants ,	3-126	
30	M.R.Boche, M.G.Thorat,S.W.Hajare, S.S.Mehesare and R.S.Ingole	2017	Clinical Evaluation of CalotropisGigantae and BalanitesAegyptiaca on Wound Healing in Bovine	Indian Journal of veterinary Science and Biotechnology	Vol.12(4):27-29,	5.58
31	G.J.Khan, M.G.Thorat,R.V.Raulkar,S. V.Upadhye,P.T.Jadhav,S.D .Chepte and S.G.Deshmukh	2017	Surgico- Chemotherapeutic Management of Mammary Tumour in Canine	International Journal of Science, Environment and Technology ,	Vol.6 No.5,20 17,3154 -3159	**
32	Ingawale M.V., Deshmukh S.G., Thorat M.G., Raulkar R.V., Syed Anwar Ali and Mohammed Ali	2017	Dystocia Due To DicephalusAtlodymus Polymelia Foetus in Murrah Buffalo	Blue Cross Book,August2 017,	Vol.36:8 3-84	**
33	Hirole P.D., Deshmukh S.G., Ingawale M.V., Thorat M.G., Kuralkar S.V., and Ratnaparkhi A.R.	2017	Fertility Improvement By Presynch Protocol in Postpartum Dairy Cows	International Journal of Science, Environment and Tecnology	Vol.6 No.6,20 17, 3354- 3361	**
34	Moiz Siddiqui, S.D.Chepte and M.G.Thorat	2017	Surgical Management of Unilateral Ranula in a Bullock	IntasPolivet	Vol.18N o.II page no.271- 272	3.95
35	A.R.Gajbhiye ,S.B.Akhare, M.G.Thorat,B.M.Gahloda ndA.P.Gawande	2017	Caesarian section for Surgical Management of Dystocia in Twelve Cows	Intas Polivet	Vol.18N o.IIpage no.434- 436	3.95
36	Vijay Tailor ,S.B.Akhare, M.G.Thorat,B.M.Gahlod and S.P.Salvekar	2017	Clinical Management of Papillomatosis in Bovines	Intas Polivet	Vol.18N o.II page no.501- 504	3.95

37	P.R. Shinde, S.D.Chepte and M.G.Thorat	2017	Surgical Management of Melanoma in a Bullock	Intas Polivet	Vol.18N o.II page no.507-508	3.95
38	R. V. Raulkar, M. G. Thorat, S. V. Kuralkar, S. D. Chepte and M. V. Ingawale	2017	Surgico-therapeutic Management of Hoof Affections in Cattle	Intas Polivet	Vol.18N o.II page no.475-479	3.95
39	SS Mehesare, SP Waghmare, MG Thorat, SW Hajare, PR Itankar, MFMF Siddiqui and S Sajid Ali	2017	Evaluation of antidiarrhoeal activity of polyherbal preparation	Journal of Pharmacognosy and Phytochemistry	VOL. 6, ISSUE 6, PAGES: 723-725	**
40	S.B.Suryavanshipatil, P.S.Dakhane, M.G.Thorat,S.D.Chepte, R.V.Raulkar and F.A.Fani	2017	Surgical Management of Submandibular abcess in Rabbit	Journal of Bombay Veterinary College	24(2):1-5, 78-79	**
41	P.S.Dakhane, M.G.Thorat, S.D.Chepte, R.V.Raulkar ,S.B.Suryavanshipatil and A.V.Patil	2017	Successful Surgical Correction of Atresia Ani in Buffalo Calf	Journal of Bombay Veterinary College	24(2):1-5, 80-81	**
42	S.B.Suryavanshipatil, M.G.Thorat, S.D.Chepte, R.V.Raulkar and F.A.Fani	2017	Surgical Management of Necrosed Phalanges in Egyptian Vulture	Journal of Bombay Veterinary College	24(2):1-5, 82-83	**
43	S.B.Suryavanshipatil, M.G.Thorat, S.D.Chepte, R.V.Raulkar and F.A.Fani	2017	Surgical Management of Esophageal Obstruction in a Buffalo	Journal of Bombay Veterinary College	24(2):1-5, 84-85	**
44	Farheen Fani, M.G. Thorat, S.D. Chepte, Manjusha Patil & P.B.	2018	Caesarean Section In Cat- A Case Report	Veterinary Practitioner	(2018) 19 (1) : 71-72	5.10

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45	S.D. Chepte, M.G. Thorat and R.S. Ingole	2018	Diagnosis and Management of Fibroblastic Sarcoid in a Stallion	Intas Polivet	(2018) 19 (11) 307-308	**
46	S. R Vaidya, S D Chepte, M G Thorat, N P Bhawe, R K Fulsunge, G. D. Khatal, & A D Anam	2018	Surgical Management of Cervical Oesophageal Obstruction in Buffalo.	The Blue Cross Book,	2018 (38): 101-103	**
47	Hirole, P.D., Deshmukh, S. G., Ingawale, M.V., Kuralkar, S. V., Thorat M. G., Ratnaparkhi, A. R. and Godbole, P.V	2018	Comparative Efficacy of Two Different Synchronization Protocol in Postpartum Dairy Cows	International Journal of Livestock Research I	SSN : 2277- 1964 Vol 8 (11)	**
48	P.R.Shinde, S.D.Chepte, M.G.Thorat,R.V.Raulkar,S. SajidAli,F.A.Fani,A.D.Ana m,N.P.Bhave and S.R.Vaidya	2018	Clinical Efficacy of Ketofol and Propofol in Dog.	International Journal of Science ,Environment and Technology	Vol.7 No.6, 2018,19 49-1953	**
49	S.B.Kokode, M.G.Thorat, S.D.Chepte, R.V.Raulkar, F.A.Fani, A.D. Anam and P.R.Shinde	2019	Clinical Evaluation of Two Surgical Techniques for Interdigital Hyperplasia in Cattle	International Journal of Science, Environment and Technology,	Vol.8, No.1, 2019, 26-34	**
50	FarheenFani, M.G.Thorat*, S.V.Upadhye,S.V.Kuralkar, S.P.Waghmare,R.N.Dhore, M.V.Joshi and S.D.Chepte	2019	Clinico-physiological and Haemato- biochemical Alteration in Non-Penetrating Foreign Body Syndrome with Reference to the Percentage of Plastic in Cattle	International Journal of Science, Environment and Technology,	Vol.8, No.4, 2019, 882-895	**
51	S. D. Chepte1, M.G.Thorat2*, S. P. Waghmare3, M. V. Ingawale4, S. P.	2019	Comparative Evaluation of Lignocaine, Articaine and Ropivacaine for	International Journal of Science, Environment	Vol. 8, No 3, 2019, Page:	**

	Mehesare M. V. Joshi ⁵ and F. A. Fani ⁶		Proximal Paravertebral Anaesthesia In Cattle	and Technology,	674 – 679	
52	S.S.Mehesare ,S.P.Waghmare, M.G.Thorat , S.W.Hajare,P.R.Itankar and S. Sajid Ali	2019	Evaluation of antidiarrhoeal activity of extract of unripe fruit of Aegle marmelos	Journal of Pharmacognosy and Phytochemistry	, Vol.8 Issue.4, 2390-2392	**
53	S.R.Vaidya, S.D.Chepte, M.G.Thorat,N.P.Bhave,G. D. Khatal and R.K.Fulsunge	2019	Comparative Efficacy of Green Synthesized Silver Nanoparticles of Azadirachta indica and Catharanthus roseus on Wound Healing in Goats.	Journal of Entomology and Zoology Studies,V	Volume 7 Issue 4,2019, 1336-1339	**
54	R.K.Fulsunge, M.G.Thorat, S.D.Chepte,F.A.fani,N.P.Bhave,S.R.Vaidya,G.D.Khat al,K.S.Pawar,A.A.Mitra,K. N.Tayade and A.A.Jadhav	2019	Anaesthetic Efficacy of Thiopental -Propofol admixture and Propofol as total Intravenous Anaesthesia in Dog.	The Pharma Innovation Journal .	Volume-8, Number-9, September-2019 Page no. 404-407	5.23
55	S.Y.Ramteke, S.G. Deshmukh, C.H.Pawshe, S.V.Kuralkar, M.G.Thorat and S.D.Kudalkar.	2019	Comparative study of different haematological and biochemical parameters in normal German Shepherd and Labrador Dogs	Journal of Entomology and Zoology Studies	(2019) 7(5):972-975	**
56	G.D. Khatal, M.G.Thorat, S.D.Chepte, F.A.Fani, S.G.Deshmukh, N.P.Bhave, S.R.Vaidya, R.K.Fulsunge,K.S.Pawar, K.N.Tayade ,A.A.Mitra and A.A.Jadhav	2019	Clinical Evaluation of Right Lateral Flank and Ventral Midline Approach for Ovariohysterectomy in Dog	Journal of Entomology and Zoology Studies,	Volume 7 Issue 5, 2019, Page 957-960	**

57	N.P.Bhave , M.G.Thorat, S.D.Chepte, F.A.Fani, P.S.Kuralkar,R.K.Fulsunge, S.R.Vaidya,G.D.Khatal, K.S.Pawar, A.A.Mitra, K.N.Tayade and A.A.Jadhav	2019	Clinical Efficacy of Propofol and Ketofol Anaesthesia with Butorphenol by Constant Rate Infusion Using Fluid Bag Technique in Dogs.	The Pharma Innovation Journal	.Volume - 8, Numb er- 11, Nove mber- 2019 Page no. 21-23	5.23
58	MoizSiddiqui, M.G.Thorat, F.A.Fani, S.D.Chepte and S.P.Waghmare	2019	Comparative Efficacy of Two Methods of Local Analgesia for Cow bull Castration	INTAS POLIVET Vol	No.1 January- June- 2019 page:52 - 54.20(2 019)	3.95
59	Fraheen Fani , M.G.Thorat, ManjushaPatil and P.B.Hase	2019	Surgical Management of Intussusception in a Dog	INTAS POLIVET Vol.20(2019)	No.1 January- June- 2019 page:14 6-147	3.95
60	S.S.Tingase, M.G.Thorat, R.V.Raulkar, S.S.Yeole, K.N.Tayade, A.M.Shinde and P.D.Salve	2019	Surgical Management of Yoke Gall in Non- Descript Bullock	Journal of Bombay Veterinary College	(2019) 26(2):93 -94	**
61	A.A.Mitra, M.G.Thorat, S.D.Chepte and R.V.Raulkar	2019	Surgical Management of Transitional Cell Carcinoma in a Dog	Journal of Bombay Veterinary College	(2019)2 6(2):95- 96	**
62	K.N.Tayade, M.G.Thorat, R.V.Raulkar, S.D.Chepte and A.A.Mitra	2019	Epoxy Pin External Skeletal Fixation for Fracture Management in Foal	Journal of Bombay Veterinary College	(2019) 26(2):99 -100	**
63	Maheshkumar Vitthalrao Ingawale, Moiz Siddiqui,	2020	Management of Post partumComplete	Buffalo Bulletin (Jan-	Vol.39 No.1	6.20

	Milind Gonduji Thorat, Sunil Pandurang Waghmare and Chaityna Hemant Pawshe		Eversion of Uterus in Graded Murrah Buffalo	March 2020	Page:12 5-128	
64	SS Mehesare, SP Waghmare, MG Thorat, SW Hajare and PR Itankar	2020	Quantitative analysis of biomarkers in hydroethanolic extract of Aegle marmelos by High Performance Thin Layer Chromatography (HPTLC)	International Journal of Chemical Studies	2020,8(3): 1479- 1482	**
65	Kale V.B., Pawshe C.H., Ingawale M.V., Deshmukh S.G., Thorat M.G., Panchbhai G.J. and Ratnaparkhi A.R.	2020	Studies on Reproductive Performance of Berari Goats	Journal of Entomology and Zoology Studies,	2020: 8(6):449 -451	**
66	Prashant Salve, Ravindrakumar Hatzade, Milind Thorat and Ratnakar Raulkar	2021	Surgical Management of Urolithiasis in a Male Dog	Journal of Entomology and Zoology Studies,	2021:9(1):1687- 1690	**
67	Vajinath B.Kale, Chaitanya H.Pawshe, Mahesh V.Ingawale, Shyam G. Deshmukh, Milind G. Thorat, Sunil P.Waghmare	2021	Reproductive Traits in Berari Goats of Vidarbha Region of Maharashtra	The Indian Journal of Veterinary Sciences and Biotechnology ,	2021 Volume 17(1) page no 82-84	5.58
68	A.R.Ratnaparkhi, SG Deshmukh, CH Pawshe, MV.Ingawale, MG Thorat, SV Kuralkar, MS Patil, VB Kale and SD Chepte	2021	Effect of dietary supplementation of crushed soyabean and flaxseed on ovarian response in postpartum crossbred dairy cows.	Journal of Entomology and Zoology Studies,	2021:9(2):710- 713	**
69	Anand R. Ratnaparkhi, Shyam G. Deshmukh, Chaitnya H	2021	Effect of dietary supplementation of crushed soyabean and	The Indian Journal of Veterinary	2021 Volume 17(1)	5.58

	.Pawshe,MaheshV.Ingawale, Milind G .Thorat, Shailendra V .Kuralkar, Manoj S. Patil, Anil U. Bhikane Kale and Sunil P.Waghmare		flaxseed on estrus attributes in postpartum crossbred cows.	Sciences and Biotechnology ,	page no 80-81	
70	KN Tayade, Dr. MG Thorat, Dr. RV Raulkar, Dr. SD Chepte, PD Salve and MB Pawar	2021	Evaluation of isoflurane and sevoflurane anaesthesia for ovariohysterectomy in dexmedetomidine and butorphanol pre-medicated dog	The Pharma Innovation Journal	Volume: 10 Issue: 6S Year: 2021 Page Number : 574-577	5.23
71	A A Mitra, Dr. MG Thorat, Dr. RV Raulkar, KN Tayade, AA Jadhav, KS Pawar, PD Salve and MB Pawar	2021	Clinical evaluation of multimodal analgesia for optimum post-operative pain management in dogs undergoing ovariohysterectomy	The Pharma Innovation Journal	Volume: 10 Issue: 8S Year: 2021 Page Number : 505-510	5.23
72	Ashutosh Choudhury, M. G. Thorat, R.V. Raulkar	2021	Surgical management of Phallus Prolapse in Indian pond turtle	Intas Polivet	Volume :22 Issue No. II (Jul-Dec) Year : 2021 Page No:285-286	3.95
73	Yeole S. S., Raulkar R. V., Thorat M. G., Hatzade R. I., Tingase S. S. and Choudhury Ashutosh	2022	Comparative efficacy of Green Synthesized Silver Nano Particles of Ehretia Laevis and	ACTA Scientific Veterinary Sciences,	volume June - 2022: 18-21-4,	7.008

			AzadirachtaIndica on Wound Healing in Cow		Issue-6	
74	Akshay M. Shinde, Ratnakar V. Raulkar, Milind G. Thorat, Mahesh V. Ingawale, Shiwani S. Tingase and Saurabh S. Yeole	2022	Therapeutic efficacy of Fresh Leaves of Cynodondactylon for Sole Affections in Goat	ACTA Scientific Veterinary Sciences,	volume-4, Issue-6 June - 2022: 64-69	7.008
75	Shiwani S.Tingase, Milind G.Thorat, Ratnakar V. Raulkar, Ravindrakumar I. Hatzade, Prashant S. Salve, Ashutosh Choudhury and Shubhangi R. Warke	2022	Comparative efficacy of Chitosan Jelly and Chlorhexidine Mouth Wash for Periodontal Diseases in Dog	ACTA Scientific Veterinary Sciences,	volume-4, Issue-6 June - 2022: 96-101	7.008
76	S.K. Chavan, M.G. Thorat, R.V. Raulkar, S.D. Chepte, M.V. Ingawale and K.N. Tayade	2022	Surgico-Therapeutic Management of Hoof Affections in Goats	Indian Journal of Small Ruminants	2022, 28(1): 132-136	5.95
77	Mahesh B. Pawar, M. G. Thorat, R. V. Raulkar and P. D. Salve	2022	Non- invasive approach for sterilization in male dogs using therapeutic ultrasound.	Indian J. Vet. Surg	43(1):40-42, June,2022	5.25
78	A. A. Jadhav, M. G. Thorat, R. V. Raulkar, K. N. Tayade, A. A. Mitra and M. B. Pawar	2022	Evaluation of pinhole technique for castration in dogs	Indian J. Vet. Surg	43(1):43-45, June,2022	5.25
79	M. G. Thorat, S. Upadhye, S. B. Akhare, R. V. Raulkar, A. G. Jadhav and S. M. Dorle	2022	Posthioplasty of preputial prolapse of a Gir Bull	Indian J. Vet. Surg	43(1):78, June,2022	5.25
80	Hanumant L. Kanadkhekar,SV Kuralkar, Sanjeev Kumar, MG Thorat, S. J. Manwar, SG Deshmukh, PravinBankar, Chirag Choudhari,	2022	Genetic analysis of growth and production traits of IWI strain of WLH in current generation after long term	The Pharma Innovation Journal	Volume: 11 Issue: 11 Year: 2022	5.23

	Manjari Pandey and Amit Kumar		selection		Page Number : 581-584	
81	Farheen Fani, M. G .Thorat, S. V. Upadhye, S. V. Kuralkar and P. S. Bankar	2022	Ruminal Liquor Profile in Cattle Affected with Non-penetrating foreign Syndrome.	Indian J. Vet. Surg.	43(2):122-125	5.25
82	K.S. Pawar, R.V. Raulkar, M.G. Thorat , S.D. Chepte, K.N. Tayade, A.A. Mitra	2024	Comparative Evaluation Of 2-Octyl Cyanoacrylate, Vicryl And Catgut For Surgical Skin Incision Closure In Dog	Journal of Scientific and Innovative Research	13 (4) 2024	
83	S.S. Khandare, M.G. Thorat, R.V. Raulkar, F.A. Fani, S.G. Deshmukh, A.D. Chopade and A.K. Jami	2024	Anaesthetic Efficacy Of Xylazine-Ketamine-Butorphanol And Dexmedetomidine-Ketamine-Butorphanol Combination For Ovariohysterectomy In Cat	Indian J. Vet. Surg. 45(2): 109-113 December 2024 DOI: 10.5958/0973-9726.2024.00024.0		5.26
84	P.D. Salve, M.G. Thorat, R.V. Raulkar and R.I. Hatzade	2024	Electrocardiography Study In The Dogs Subjected To Ovariohysterectomy s Anaesthetized With Tiletamine-Zolazepam And Ketamine-Diazepam Combinations	Indian J. Vet. Surg. 45(2): 133-134 December 2024 DOI: 10.5958/0973-9726.2024.00030.3		5.26

List of Marathi and Popular articles published:

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1	डॉ. मिलींद थोरात	1993	गाईचे जनन, वंध्यत्व	दै. सार्वमत	1993

			आणि उपाय		
2	डॉ. मिलींद थोरात	1993	दर्जेदार दुग्धोत्पादनासाठी भूणरोपण तंत्र	दै. सार्वमत	1993
3	डॉ. मिलींद थोरात	1993	शेळया-मेंढया पाळणे फायदेशीरच	दै. लोकमत	1993
4	डॉ. मिलींद थोरात	1994	दर्जेदार दुग्धोत्पादनात क्रांती घडविणारे भूणरोपण तंत्र	प्रवरा वृत्त	1994
5	डॉ. मिलींद थोरात	1994	जनावरांचा कर्दनकाळ लाळया खुरकत	दै. सार्वमत	1994
6	डॉ. मिलींद थोरात	2002	कुत्रयापासुन सावध राहिले पाहिजे!	दै. देशोन्नती (कृषकोन्नती)	2002
7	डॉ. मिलींद थोरात	2003	पशुसंवर्धन विषयक महत्वाचे संदेश	दै. देशोन्नती (कृषकोन्नती)	2003
8	डॉ. मिलींद थोरात	2004	गोचिड-गोमाशांचे निर्मुलन करा, घाला आळा कृमि-जंतांना	कृषि व्यासपीठ	2004
9	डॉ. मिलींद थोरात	2004	व्यथा पशुधनाची ऐकावी कोणी	कृषि व्यासपीठ	2004
10	डॉ. मिलींद थोरात	2004	म्हशीपासुन माणसाला होणारा देवीचा रोग	कृषि व्यासपीठ	2004
11	डॉ. मिलींद थोरात	2004	रॅबिज रोग झाला म्हणजे, निश्चितपणे मरावेच लागते	कृषि व्यासपीठ	2004
12	डॉ. मिलींद थोरात	2004	गोवर्गीय जनावरांचे मागील पायाचे लंगडेपण	कृषि व्यासपीठ	2004
13	डॉ. मिलींद थोरात	2004	दर्जेदार दूध निर्मिती!	अर्जुन	2004
14	डॉ. मिलींद थोरात	2005	दर्जेदार दूध निर्मिती	शेतकरी	2005
15	डॉ. मिलींद थोरात	2005	गुरांच्या दवाखान्यात, गो-हयाचे खच्चीकरण करणे केव्हाही परवडते!	कृषि व्यासपीठ	2005
16	डॉ. मिलींद थोरात	2005	तोच खऱ्या अर्थाने दुग्धव्यवसायात यशस्वी	कृषि व्यासपीठ	2005

			ठरते!		
17	डॉ. मिलींद थोरात	2005	रॅबीज रोग झाला म्हणजे निश्चित मरावेच लागते	यशवंत, कृषि औद्योगिक व पशुपक्षी प्रदर्शन, कराड	2005
18	डॉ. एस. टी. बोरीकर, डॉ. एम. डी. कुलकर्णी, डॉ. मिलींद थोरात	2006	संकरित वासरांचे संगोपन काही मुलतत्वे आणि मुद्दे	कृषि व्यासपीठ	2006
19	डॉ. एम. डी. कुलकर्णी, डॉ. एस. टी. बोरीकर, डॉ. मिलींद थोरात	2006	दुष्काळात चाऱ्याचे नियोजन	कृषि व्यासपीठ	2006
20	डॉ. एम. डी. कुलकर्णी, डॉ. एस. टी. बोरीकर, डॉ. मिलींद थोरात	2006	मानवाचे जीवलंग पशुपक्षी	कृषि व्यासपीठ	2006
21	डॉ. कमलाकर चौधरी डॉ. मिलींद थोरात	2006	श्वान पालकांसाठी मार्गदर्शक तत्वे	स्मरणिका	2006
22	डॉ. मिलींद थोरात डॉ. सय्यद मोहम्मद अली, डॉ. फरहीन फानी	2015	फायदेशिर शेळीपालनासाठी निवड्या जातिवंत शेळ्या	अॅग्रोवन पान क्र. 12, दि. 27 ऑक्टोबर 2015	2015
23	डॉ. एस. डी. चेपटे, डॉ. एम. जी. थोरात, डॉ. आर. व्हि. राऊळकर आणि डॉ. फरहीन फानी	2016	जनावरांमधिल जखमा व त्यावरील उपाय	पशुआरोग्य निगा, पान क्र. 67 ते 72.	2016
24	डॉ. फरहीन फानी, डॉ. एम. जी. थोरात, डॉ. एस. डी. चेपटे,	2016	शस्त्राक्रियेपुर्वी आणि शस्त्राक्रियेनंतर घ्यावयाची काळजी	पशुआरोग्य निगा, पान क्र. 73 ते 76	2016

	आणि डॉ. आर. व्हि. राऊळकर				
25	डॉ. एम. जी. थोरात, डॉ. एस. डी. चेपटे, डॉ. आर. व्हि. राऊळकर आणि डॉ. फरहीन फानी,	2016	अखाद्य वस्तुंच्या सेवनामुळे जनावरांमध्ये होणारे आजार व त्यावरील उपचार	पशुआरोग्य निगा, पान क्र. 95 ते 98	2016
26	डॉ. आर. व्हि. राऊळकर, डॉ. एम. जी. थोरात, डॉ. एस. डी. चेपटे आणि डॉ. फरहीन फानी	2016	वळुचे खच्चीकरण	पशुआरोग्य निगा, पान क्र. 99 ते 100	2016
27	डॉ. शरद चेपटे, डॉ. मिलींद थोरात, डॉ. श्याम देशमुख, डॉ. प्रविण बनकर	2018	जनावरांमध्ये अखाद्यवस्तुंच्या सेवनामुळे होणारे आजार व त्यावरील उपचार	पश्चिम विदर्भातील पशुपालन, पान क्र. 70 ते 74	2018
28	डॉ. आर. व्हि. राऊळकर, डॉ. एम. जी. थोरात, डॉ. एस. डी. चेपटे	2018	गोवर्गीय जनावरांचे खुरांचे रोग व उपचारपद्धती	पशुधन ऐश्वर्य, पान क्र. 75	2018
29	डॉ. मिलींद थोरात	2018	गोचिड गोमाशांचे निर्मुलन करा	पशुधन ऐश्वर्य, पान क्र. 86 ते 87	2018
30	डॉ. मिलींद थोरात, डॉ. आर. व्हि. राऊळकर, डॉ. एस. डी. चेपटे	2018	गुरांमधिल मुतखडा – कारणे, लक्षणे व उपाय	पश्चिम विदर्भातील पशुपालन, पान क्र. 75 ते 79	2018
31	डॉ. मिलींद थोरात, डॉ. आर. व्हि. राऊळकर	2021	अखाद्य वस्तुमुळे जानवरांना होणारे अपाय	दैनिक अग्रोवन पान क्र 12	2021

स्मरणिका / माहितीपुस्तिका					
अ. क्र.	लेखक	वर्ष	शीर्षक	नियतकालिक /मासिकाचे नाव	खंड/ पृष्ठ क्र

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<u>घडीपत्रिका</u>					
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२					
<u>मराठीलेख</u>					
१	==	==	==	==	==

Book Published:

4. Research Recommendations

Sr. No.	1
Year	2009-2010
Project Title	An innovation for field surgeons: Modified suturing approach employing hypodermic needle of 16 and 18 gauge for skin suturing in buffalo and cattle respectively, as an alternative to conventional suturing using traumatic needle, since it is simple ,rapid and surgeon friendly
Investigators	Dr.M.G.Thorat
Recommendations	An innovation for field surgeons: Modified suturing approach employing hypodermic needle of 16 and 18 gauge for skin suturing in buffalo and cattle respectively, as an alternative to conventional suturing using traumatic needle, since it is simple ,rapid and surgeon friendly
Sr. No.	2
Year	2017-2018
Project Title	Surgico-therapeutic strategies for management of hoof affections in cattle
Investigators	Dr.R.V.Raulkar; Dr.M.G.Thorat
Recommendations	1) Regular cleaning of hoof ,foot bath with 5% CuSO4 or KmnO4 solution and timely hoof trimming is an effective practice for prevention and treatment of hoof affections in cattle. 2) Use of self polymerizing powder commonly used for preparation of denture is recommended for application of hoof block for the treatment of severe sole ulcer and sole puncture in cattle under field conditions.
Sr. No.	3
Year	2018-2019
Project Title	Clinical Efficacy of Transdermal Fentanyl Patches for Post-operative Pain Management in Dogs:
Investigators	Dr.Ayanika and Dr.Thorat

Recommendations	It is recommended to use Fentanyl patches paired with NSAID as multimodal analgesia in dogs undergoing abdominal surgery to prevent substantial post-operative pain.
2018-2019	Clinical Efficacy of Transdermal Fentanyl Patches for Post-operative Pain Management in Dogs: It is recommended to use Fentanyl patches paired with NSAID as multimodal analgesia in dogs undergoing abdominal surgery to prevent substantial post-operative pain.
2021-2022	Efficacy of articaine and ropivacaine as local anaesthetic for paravertebral analgesia in cattle

MOU signed by the Colleges - Nil

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

8. Research Priorities / Thematic areas: Department Wise – Already mentioned

9. Significant Research Achievement:

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