

Department of Veterinary Parasitology 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	<i>In vitro In vivo</i> acaricide efficacy of three herbal extracts against ticks of cattle	Dr G.P. Bharkad (PI)	NIF-DST	3.90	Extra-mural	Completed	2 Yrs
2	Centre of Excellence for Advanced Research on Animal Food Safety	Dr G.P. Bharkad (CO-PI)	ICAR-NAHEP	189000 Cr	Extra-mural	Completed	3 Yrs

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	Efficacy of Ashiver Plus (Ivermectin+Praziquan tel) Gel against GI parasites in equines.	Dr G.P. Bharkad (PI)	Ashish Life Sciences India	1.48	Agency	Completed	1 Yr
2	Efficacy of herbal Fly repellent AV/FRC/18 against <i>Musca</i> spp in egg layer poultry Farm	Dr G.P. Bharkad (PI)	Ayurved India Limited-	1.74	Agency	Completed	1 Yr

3. Research Priorities:

Sr. No.	Research Area	Aim	Objective	Benefits of Farmers
1				

4. Thesis:

Master:

Name of Department : Veterinary Parasitology				
Sr. No.	Name of the Student	Title of Thesis	Year of Completion	Name of the Advisor
1	Shaikh Rahim Shaikhnoor	Epidemiological, Clinical, Haemato-Biochemical and Therapeutic Evaluation of Trypanosomosis in Donkeys (<i>Equus asinus</i>)	2015	Dr. Y. V. Raote
2	Dappawar Maheshwarreddy Krishnareddy	Prevalence of GI Tract Parasitic infection in domestic ruminants of Udgir (Maharashtra State)	2016	Dr. B. S. Khillare
3	Navkar Aniket Balaji	Studies on Coccidiosis in Buffalo calves in Latur district of Maharashtra state	2021	Dr. B. S. Khillare
4	Borgave Santosh Devidas	Caprine vector-borne haemoprotozoans in Latur district with molecular characterization of <i>Theileria</i> spp.	2025	Dr. G. P. Bharkad

Doctoral: NA

Name of Department: Veterinary Parasitology				
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	GP Bharkad, PD Deshpande, BW Narladkar	2000	Note on coccidian species of buffalo and cow calves in Marathwada region.	Indian Veterinary Journal	Vol. 77, No. 8, 719-720	6.0
2	G. P. Bharkad, P. D. Deshpande, B. W. Narladkar	1999	Comparison of efficacy of different floatation media for the detection of parasitic eggs and protozoan oocysts.	Journal of Veterinary Parasitology,	Vol. 13, No. 1, 65-66 ref. 5	5.85
3	G. P. Bharkad, P. D. Deshpande, B. W. Narladkar	1999	Gastrointestinal parasitosis in bovine calves in Marathwada.	Journal of Veterinary Parasitology,	Vol. 13, No. 2, 143-146 ref. 10	5.85
4	G. P. Bharkad, A. U. Bhikane, Y. V. Raote, N. M.	2005	Surra in a Kathiawari mare - a case report.	Intas Polivet,	Vol. 6, No. 2, 205-206 ref. 9	5.5

	Markandeya, M. A. Khan					
5	Gopal P Bharkad , AS Bannalika, RJ Zende, SD Ingle, SY Shirale, AK Patil	2019	Hatchability of eggs of deltamethrin and amitraz resistant cattle tick Rhipicephalus microplus of Maharashtra state on treatment with acaropathogenic fungus metarhizium anisopliae	Journal of Entomology and Zoology Studies	Volume 7 Issue 4 Pages 38-41	5.89
6	Rajshree L. Shinde, Gopal P. Bharkad , Padma V. Devarajan	2015	Intranasal microemulsion for targeted nose to brain delivery in neurocysticercosis: Role of docosahexaenoic acid Author links open overlay panel	European Journal of Pharmaceutics and Biopharmaceutics	Volume 96, October 2015, Pages 363- 379	10.40
7	GP Bharkad, NM Markandeya, SN Bedarkar, AD Patil, YV Raote	2012	Efficacy of Fenbendazole Feed Supplement for Bovines	Indian Veterinary Journal	Volume 89 Issue 5 Pages 40	6.0
8	Anjali Kudtarkar, Ujwala Shinde, G P Bharkad , Kavita Singh		Solid lipid nanoparticles of albendazole for treatment of Toxocara canis infection: in-vivo efficacy studies	Nanoscience & Nanotechnology- Asia	Volume 7 Issue 1 Pages 80-91	5.52
9	Subi Migri, Gopal Bharkad , Gatne ML	2016	Prevalence of clinical and subclinical forms of Trypanosoma evansi infection in buffaloes of Mumbai region (MS) of India	Buffalo Bulletin	Volume 35 Issue No.4 Pages 689	6.20
10	A. J. Pathan, Y. V. Raote, G. P. Bharkad , B. S. Khillare	2005	Efficacy of benfuracarb against ixodid tick of cattle.	Indian Veterinary Journal	Vol. 82, No. 2, 223- 224 ref. 7	6.0
11	GP Bharkad AU Bhikane, LG Anantwar, GU Yadav	2002	Successful treatment of Babesia equi infection in a Stallion	The blue Cross Book	Volume 18 Issue 1 Pages	2.44

					27-28	
12	Y.V. Raote,A.V. Gaikwad, G. P. Bharkad and A. K. Jayraw	2007	Immune response analysis in <i>Toxoplasma gondii</i> infected chicks	Journal of Parasitic Diseases	June, Vol. 31, No. 1, 74-75	
13	Y. V. Raote, S. P. Pawar, G. P. Bharkad , A. K. Jayraw	2007	Incidence of canine ectoparasitism in Parbhani district of Maharashtra state.	Journal of Parasitic Diseases,	Vol. 31, No. 2, 159-160 ref. 10	
14	Y. V. Raote and G.P. Bharkad A.J. Pathan	2003	Comparative Efficacy of Deltamethrin (Butox) at Different Concentrations against Ixodid Tick Infestation in Cattle	The Blue Cross Book	Volume 20 Issue 1 Pages 12-14	2.44
15	Gopal Bharkad, Santosh Moregaonkar, PD Deshpande, Narladkar, Niteen Markandeya	2003/7	Pathological changes in a buffalo calf died due to <i>Toxocara vitulorum</i> infestation	Indian Buffalo Journal	Volume 1 Issue 2 Pages 54-56	
16	SY Shirale, HY Palampalle, PV Meshram, KN Pawankar, MM Vaidya, SA Dhenge and RD Suryawanshi	2024	Clinico-biochemical and chemotherapeutic evaluation in bubaline trypanosomosis	International Journal of Advanced Biochemistry Research	8(3): 203-207	
17	S.Y. Shirale*, G.P. Bharkad and P.V. Meshram	2023	Haematological and chemotherapeutic evaluation in bubaline trypanosomosis	Journal of Entomology and Zoology Studies	62(2), 93-97	5.89
18	Shirale S.Y.1 and Bhangale G.N.2*	2023	An Appraisal of Toxocarosis in Calves in India through a Meta-analysis of Prevalence Studies	Biological Forum – An International Journal	15(5a): 331-337	4.96
19	Aniket B. Navkar1, Bapurao S. Khillare1, Sridhar Y. Shirale	2022	Efficacy of Commonly Used Anti-coccidial Drugs against Coccidiosis in Buffalo Calves	The Indian Journal of Veterinary Sciences and Biotechnology	Volume 18 Issue 2 : 135-137	4.20
20	Gopal P Bharkad , AS Bannalika, RJ Zende and SD Ingole	2018	Effect of herbal acaricides on hatchability of eggs of deltamethrin and amitraz resistant cattle tick	Journal of Entomology and Zoology Studies	6(5): 629-633	5.89

			<i>Rhipicephalus microplus</i>			
21	Gopal Bharkad, Mohanji Saxena, Kotagiri Ravikanth , Ajay Thakur , Shivi Maini	2013	Efficacy of herbal fly repellent product (Keetguard liquid) to control <i>Musca domestica</i> population in poultry egg layer farm.	Global Journal of Animal Scientific Research	Vol. 1, No. 1, 66-75	--
22	S. Y. Shirale, M. D. Meshram and K. P. Khillare	2008	Prevalence of Gastrointestinal Parasites in Cattle of Western Vidarbha Region	Veterinary World	Vol.1(2): 45	5.10
23	M. D. Meshram, S. Y. Shirale and K. P. Khillare	2008	Incidence of Helminthic infection in Axis Deer	Veterinary World	Vol.1(1):10	5.10
10						

List of Marathi and Popular articles published: NA

Sr. No	Authors	Year	Title	Name of the Journal/Magazine	Volume: Page Nos.
1	डॉ. गोपाळ भारकड	24-05-1999	पशुतील वनस्पतीजन्य विपाक्ता	दैनिक एकमत	
2	डॉ. गोपाळ भारकड	27-11-2000	दुग्धोत्पादन वाढीसाठी जनावरांची काळजी व व्यवस्थापन	दैनिक एकमत	
3	डॉ. गोपाळ भारकड	24-05-1999	जनावरातील उष्माघात टाळा	दैनिक एकमत	
4	डॉ. गोपाळ भारकड	27-02-2001	जनावरातील खांदेसुजी व उपाय	दैनिक तरुणभारत	
5	डॉ. गोपाळ भारकड	डिसेंबर 2001	दहशत जैविक युद्धाची : ॲंथ्रॅक्स आहे तरी काय	मा. गोडवा ऊसाचा	
6	डॉ. गोपाळ भारकड	फेब्रुवारी 2002	गोचिड नियंत्रण	मा. बळीराजा	

7	डॉ. गोपाळ भारकड	23-01-2002	थंडीपासून श्वानांचे रक्षण कसे कराल	दैनिक एकमत	
8	डॉ. गोपाळ भारकड	फेब्रुवारी 2002	प्रतिजैविके : मानवप्राण्यांना लाभलेली संजीवनी	मा. कपीमाऊली	
9	डॉ. गोपाळ भारकड	फेब्रुवारी 2002	वेळीच ओळखा घटसर्पाचा विळखा	मा. किसानदाक्ती	
10	डॉ. गोपाळ भारकड	फेब्रुवारी 2004	पशुंची दुधउत्पादनक्षमता कमी करणाऱ्या मादया तुमच्या गोठयात आहेत काय?	मा. किसानदाक्ती	
11	डॉ. गोपाळ भारकड	मार्च 2003	बटेरीतील परजीवी नियंत्रण तांत्रिक पुस्तिका	बटेरपालन	
12	डॉ. गोपाळ भारकड	मार्च 2003	मेंढयातील आंतरपरजीवी व त्यांचे नियंत्रण तांत्रिक पुस्तिका	मेंढीपालन	
13	डॉ. गोपाळ भारकड	मार्च 2004	जंताचा प्रादुर्भाव व त्यांचे नियंत्रण	मा. बळीराजा	
14	डॉ. गोपाळ भारकड	मार्च 2006	मराठवाडी वासरातील विविध आजार व प्रतिबंध	मा. धान्यलक्ष्मी	
15	डॉ. गोपाळ भारकड	14-09-2004	बळीराजाचा आनंदमेळा श्रावणमासी बैलपोळा	दैनिक सकाळ	
16	डॉ. गोपाळ भारकड	12-12-2008	वासरांतील हागवण : दुर्लक्ष नको	दैनिक म. एकजूट	
17	डॉ. गोपाळ भारकड	18-12-2008	श्वानदंदा (रेबीज) प्रतिबंध : प्रथमोपचार	दैनिक म. एकजूट	

18	डॉ. गोपाळ भारकड	30-12-2008	न्युट्रस्युटीकल्स : पशुसंवर्धनात नव्या पर्वाची सुरुवात	दैनिक अँग्रोवन	
19	डॉ. गोपाळ भारकड	31-12-2008	देवणी गाईच्या वासरांचे आजार	दैनिक म. एकजूट	
20	डॉ. गोपाळ भारकड	01-02-2009	गाभण गाय व वासरांची घ्यावयाची काळजी	दैनिक म. एकजूट	
21	डॉ. गोपाळ भारकड	2010	द्वानांचा सायलंट किलर: इलिकीओसिस	दैनिक अँग्रोवन	
22	डॉ. गोपाळ भारकड	15-10-2012	असतील माक्षा गोठ्यात तर दुधव्यवसाय जाईल तोट्यात	दैनिक अँग्रोवन	
23	डॉ. गोपाळ भारकड	16-10-2012	असतील माक्षा गोठ्यात तर दुधव्यवसाय जाईल तोट्यात भाग –2	दैनिक अँग्रोवन	
24	डॉ. गोपाळ भारकड	जाने-2013	गोठ्यात माध्यांचेया नियंत्रण	मा. गोडवा	

6. Research Recommendations

Sr. No.1	
Year	2012
Project Title	Diagnosis of <i>Trypanosoma evansi</i> in Buffaloes in Mumbai Region by Molecular and conventional tools.
Investigators	Ms Subi Migri & Bharkad GP
Recommendations	Trypanosomosis doesn't coincide with pyrexia in Buffaloes
Sr. No.2	
Year	2014
Project Title	Prevalence of helminthic infections of rats in Mumbai city and its zoonotic risk assessment.
Investigators	Dhobi RR and Bharkad GP
Recommendations	Regarding Zoonotic helminths of rats & their threat to BMC cleaning workers and rat killers

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:

- Vectors, innovative non chemical approaches for their control and Vector borne diseases of livestock (Dr G.P. Bharkad)
- Prevalence of GI parasites in ruminants and equines (Dr. S.Y. Shirale)

9. Significant Research Achievement:

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