

Dr.Vijay Kumar Matham



College name :Veterinary College,Bidar

Department: Veterinary Pharmacology and Toxicology

Designation and address Associate Professor (i/c) and Head

Qualifications M.V.Sc,Ph.D, DABT

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Fields(s) of specialization

- Pharmacokinetics
- Preclinical Toxicology
- Clinical Pharmacology
- Forensic Toxicology

Current Projects

Project title	Role in the project	Fund outlay	Funding agency
Effect of melatonin on dysfunction in arsenic exposed rats.	Co-Principal Investigator	1,00,000/-	SCP-TSP grants, GoK
Comparative efficacy of supplementation of BioCholine vs. Synthetic Choline chloride supplement on growth performance, nutrient utilization & carcass traits in Broilers	Co-Principal Investigator	2,85,000/-	Indian Herbs Specialities PVT LTD

Completed Projects

Project title	Role in the project	Fund outlay	Funding agency
Validation of ethnoveterinary practices on the management of common ailments of livestock.	Project Coordinator	23,00,000	RKVY GOK
Evaluation of prophylactic and therapeutic efficacy of Salcocheck and Salcocheck Pro against <i>Clostridium perfringens</i> induced necrotic enteritis in chickens	Co-Principal Investigator	1,46,000	Ayurvet Limited
Efficacy evaluation of herbal growth promoters in improving growth, performance, meat quality attributes and immune response in broilers	Co-Principal Investigator	1,17,390.00	Ayurvet Limited
Pharmacological evaluation and comparative study of polyherbalantistress compounds on heat stress and immunity profiles in broiler chickens	Co-Principal Investigator	1,30,000.00	Ayurvet Limited
Efficacy evaluation of poultry feed emulsifier on performance, nutrient metabolism, serum lipid profiles and carcass traits in broiler chicken	Co-Principal Investigator	86,060.00	Ayurvet Limited
Pharmacological evaluation and comparative study of herbal methionine on heat stress and performance in broiler chickens	Co-Principal Investigator	80,000.00	Ayurvet Limited
Safety studies of nitenpyram in rabbits	Co-Principal Investigator	30,000.00	KVAFSU

Proposed research programmes

Title of the project	Role in the project	Amount	Funding agency
“Skill development for stake holders of animal husbandry in ameliorating poisoning conditions in hyderabad-karnataka region”	Principle Investigator	1,60,25000	RKVY GOK
Pharmacological Revalidation and Development of Homeopathic Drugs for common ailments in Farm animals	Principle Investigator	30 Lakhs	Ayush(CCRAS)
Development of Herbal Antimicrobial Drugs for Veterinary Infections	Principle Investigator	30 Lakhs	Ayush(CCRH)
Effects of Melatonin on Vascular Dysfunction Induced by Arsenic-	Co-Principle	30 lakhs	SERB

Exposure with or without the Presence of Antihypertensive Drugs	Investigator		
Development of creative applications as a teaching tools to study Veterinary Pharmacology	Co-Principle Investigator	2 lakhs	DST

Recent Research Publications

(from 2017 to 2019)

Shwetha Reddy RV, A Gopala Reddy, M Vijay Kumar , CSV SatishKumar, B Kala Kumar, B Mounica and A Vikram	2017	Pharmacokinetic profile of atorvastatin in experimental hepatotoxic untreated and treated rats with n-acetyl cysteine and Costuspictus".	The Pharma Innovation 6(11): 409–413, NAAS :5.03
Roopa, K., Thirumalesh,T., Vijay Kumar,M. Ramachandra,B, SiddalingaswamyHiremath and Sunil Chandra, U.	2017	Effect of Polyherbal Additives on Intake, Growth and Nutrient Digestibility in Yorkshire Male Pigs	Journal of Animal Research ,v.7 n.4, p. 1-6. August 2017 NAAS :5.68
Roopa K, Thirumalesh T, Vijay Kumar M ,Ramachandra B, SiddalingswamyHiremath and Sunil Chandra U	2017	Evaluation of Polyherbal feed additives on haematological and biochemical profiles in Yorkshire male pigs	Journal of Pharmacognosy and Phytochemistry,6(1): 506-509 NAAS :5.21
BichammaViragadindla , Gopala Reddy , Vijay Kumar Matham ,UsharaniKaratlapalli Anil Kumar Rathod and LaskshmanMeKala	2017	In-Silico Evaluation of Druggability Prioritization Targets of Salmonella Gallinarumviz Gallus Gallus	International Journal of Livestock Research, Vol 7 (7) July'17 NAAS :5.36
Bichamma V, Gopala Reddy A, Vijay Kumar M , Usha Rani K, Anil Kumar B , Laxman M and Ramakoti Reddy M	2017	In vitro evaluation of druggability prioritization targets of Salmonella gallinarum	The Pharma Innovation Journal 2017,6(2): 42-47 NAAS :5.03

Usharani K, Gopala Reddy A, Vijay Kumar M , Anil Kumar B, Bichamma V, Madhuri D and Kumarasamy P	2017	In-silico evaluation of druggability prioritization targets of Escherichia coli in Gallus gallus	The Pharma Innovation Journal 2017,6(2): 48-52 NAAS :5.03
PuthuruNaresh, M.UshaRani, Vijay Kumar M , Sunil Chandra.U, Shivi.M and A.Gopala Reddy	2017	Antioxidant and Immunomodulatory Activity of PolyherbalAntistress formulations in Commercial Broilers under Summer Stress	Bulletin of Environment, Pharmacology and Life Sciences,6 [3/4] 2017 NAAS :4.95
PuthuruNaresh, Usha Rani M, Vijay Kumar M , Ravindra NS, Shivi M and A Gopala Reddy	2017	Efficacy Evaluation of PolyherbalAntistress Formulation and Synthetic vitamin C on Broiler Birds Performance under Physiological Heat Stress	The PharmaInnovaton Journal. 6(2): 18-21, NAAS :5.03
M. Vijay Kumar , Vivek M. Patil, M. Kiranand S.M. Tendulkar4	2018	Effect of Dietary Supplementation of Probiotics (Addon Poultry Max) on Biochemical and Immune Parameters in Commercial Broiler Chicken	International Journal of Current Microbiology and Applied Sciences 2018 7(10):1537-1542 NAAS :5.38
Vijay Kumar M , Vivek M Patil, Kiran M and Tendulkar SM	2019	Effect of dietary supplementation of probiotic (AddonPoultry Max) on growth performance and carcass characteristics in commercial broiler chicken	The PharmaInnovaton Journal 2019 8(1):640-645 NAAS :5.03

Honours & Awards

Diplomate of American Board of Toxicology (2011)

Diplomate of American Board of Toxicology (Recertified 2016)

Others Achievements (less than 200 words)

- Extensively served in training and assisting the field veterinarians across the state of Karnataka and many other states of India in handling various poisoning conditions in terms of care and management of animals
- Trained and assisted many field veterinarians in handling veterolegal poisoning conditions
- Created Ethno veterinary Museum and Herbal Garden in Department and extensively working in Scientific validation of Ethnoveterinary Medicines