

College of Veterinary Medicine

Dilip Reddy Gunturu

Assistant Professor

Department of Biomedical Sciences

Phone: 334-727-4007

E-mail: dgunturu@tuskegee.edu



EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
S V Veterinary University, College of Veterinary Science, Rajendranagar, Hyderabad, India	PhD	2009	Veterinary Pharmacology & Toxicology
A N G R Agricultural University, College of Veterinary Science, Tirupati, India	MVSc (Master of Veterinary Science)	2004	Veterinary Pharmacology & Toxicology
A N G R Agricultural University, College of Veterinary Science, Tirupati, India	BVSc & AH (Bachelor of Veterinary Science & Animal Husbandry) ~ DVM	2002	Veterinary Medicine and Animal Husbandry

TEACHING

Teaching Pharmacology for Veterinary graduates and master's students from last seven years. Successfully guided three MVSc (Master's) students as chairman of the advisory committee and two students as member.

RESEARCH INTERESTS

Pharmacokinetic and Pharmacodynamic drug-herb/ drug-drug Interactions. *In vitro* drug metabolism studies. Preparation, characterization and evaluation of modified formulations (Nanoparticles, Nano-suspensions, microspheres etc.) and study *in vitro* and *in vivo* pharmacokinetics, efficacy and safety of the modified formulations. Application and development of the nano-formulations for cancer, immune and anti-inflammatory therapies

RECENT PUBLICATIONS

Dilip Reddy Gunturu, Muralidhar Yegireddy, Sravanthi Mannem, Alpha Raj Mekapogu, NVKV Prasad Tollamadugu. Effective role of microorganisms in livestock development (Book chapter): Recent Developments in Applied Microbiology and Biochemistry. 2019; Academic Press, 185-194

G. Dilip Reddy, A. Gopala Reddy, G. S. Rao and M. Vijay Kumar. Pharmacokinetic interaction of garlic and atorvastatin in dyslipidemic rats. Indian Journal of Pharmacology, 2012; 44: 246-252

G. Dilip Reddy, A. Gopala Reddy, G. Srinivasa Rao, C. Haritha and K. Jyothi. Interaction study on garlic and atorvastatin with reference to nephrotoxicity in dyslipidaemic rats. Toxicology International 2010; 17: 90-93.

M Ratan Kumar, A Gopala Reddy, Y Anjaneyulu, G Dilip Reddy. Oxidative stress induced by lead and antioxidant potential of certain adaptogens in poultry. Toxicology International 2010; 17: 45.

M. Alpha Raj, Y. Muralidhar, M. Sravanthi, N. V. K. V. Prasad, M. Nissipriya, P. Sirisha Reddy, T. Shoba Neelima, G. Dilip Reddy, K. Adilaxamma, P. Anand Kumar, T. Giridhara Krishna. First report on rapid screening of nanomaterial-based antimicrobial agents against β -lactamase resistance using pGLO plasmid transformed Escherichia coli HB 101 K-12. Applied Nanoscience. 2016, Volume 6, Issue 6, pp 941-949.

Google Scholar: <https://scholar.google.co.in/citations?user=ig5WPRsAAAAJ&hl=en&authuser=1>