

**Hand on Training
on
“Application of Analytical and Molecular Tools for Characterization
and Identification of Plants based Drugs and their Targets”**

15-24th Feb, 2020

Sponsored Under

SCSP of ICAR Outreach Programme on Ethno-Veterinary Medicine

U.P. Pandit Deen Dayal Upadhyaya Pashu-Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan, Mathura, was established in 2001. College of Veterinary Science and Animal Husbandry Mathura, established in 1947, is one of the premier Veterinary Institutes in the country and is recognized for its significant contributions in the field of animal health and production. Department of Pharmacology and Toxicology, earlier Department of Materia Medica and subsequently the Department of Pharmacology, came into existence in 1949. Postgraduate education programme leading to award of MVSc degree in Veterinary Pharmacology was started in 1962 and PhD in 1970. Since its inception, Department has been actively involved in research on medicinal plants, characterization of receptors and ion channels and down-stream-signaling pathways, toxicokinetic and toxicodynamics of metals and agrochemicals, evaluation of ameliorative potential of certain plants against xenobiotics and therapeutic efficacy of certain drugs. For human resource development and capacity building, Department has established “state of the art research laboratories” to ensure hands on training of students and teachers and has conducted many training programmes and organized conferences and seminars. Under the SCSP plan of the ongoing ICAR-funded Outreach Programme on Ethno-Veterinary Medicine, Department is organizing this training programme to provide Hands on training to the individuals who desire to refresh/upgrade/acquire professional skills in plant-based research. This training mainly focuses on intensive practical exposure to participants along with one lecture per day to understand the basic principles of different analytical and molecular techniques viz. Extraction of plant-based active principles, screening by UV-VIS spectroscopy, GC-MS to identify the active principle, AAS to determine metallic pollutants, target identification by qPCR and Western Blot etc.

Eligibility:

Students belonging to Schedule cast category and possessing or pursuing B.Tech/B.Pharm/ BAMS/ M.Pharm/ MD/ M.V.Sc /M.Sc /PhD in biological Sciences or

equivalent from SAUs, SVUs, ICAR Institutes, Deemed Universities, Medical Colleges/Universities and ICMR and CSIR Institutes are eligible for this Training Programme. The selected candidates have to produce the respective cast certificate issued by the competent authority of their state and bonafide certificate from Head of the Department /Institute.

Candidates will be shortlisted based on the application form along with recommendation letter by Head of Department/ Institution on first-come first-serve basis. Eligible candidates may apply on the attached application form latest by February 15, 2020 by email to smnpharmaduvasu@gmail.com and copy to princu.dr@gmail.com

Course Title	Application of Analytical and Molecular Tools for Characterization and Identification of Plants based Drugs and their Targets
Duration	Feb 15-24, 2020
Registration Fee	NIL
Accommodation	In University Guest House or Hostel, Free accommodation
TA	Shortest route to Mathura to and fro by sleeper class train/ bus
Venue	Department of Veterinary Pharmacology & Toxicology

Address for Correspondence:

- 1. Prof. Satish K. Garg**
Professor & Head
Department of Veterinary Pharmacology & Toxicology
- 2. Dr Soumen Choudhury**
Assistant Professor
Department of Veterinary Pharmacology & Toxicology
Hello: 91-9411065114
- 3. Dr Amit Shukla**
Assistant Professor
Department of Veterinary Pharmacology & Toxicology
Hello: 91-7014832061

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APPLICATION FORM

Candidates Name	
Designation	
University/Institute/Organization	
Educational Qualification	
Date of Birth (D/M/Y)	
Category (attach the certificate)	
Recommendation (attach the letter)	
Address for Correspondence	
Contact No.	
Email	
Field of Specialization	

Date :
Place:

Signature of Applicant

Recommendation by HOD/ Head of the Institution: