



**Hand on Training
on
“Analytical and Molecular Techniques to
Decipher the Role of Phyto-biomolecules in Veterinary Therapeutics”**

18th -27th October, 2021

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-signalling 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.

About the Training Programme:

Under the SCSP plan of the ongoing ICAR-funded Network 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 the 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, ICP-OES to determine metallic pollutants, organ bath experiments to study the functional pharmacodynamics, target identification by qPCR and Western Blot, immuno-histochemistry etc.



Eligibility Criteria:

Students belonging to Schedule cast category and possessing or pursuing B.Tech/B.Pharm/ BAMS/ BSc/M.Pharm/ MD/ M.V.Sc /M.Sc /PhD etc. 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 short listed 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 10th Oct, 2021 by email to smnpharmaduvasu@gmail.com and copy to princu.dr@gmail.com

Course Title	Hand-on training on "Analytical and Molecular techniques to decipher the role of phyto-biomolecules in Veterinary Therapeutics"
Duration	18-27 th Oct, 2021
Registration Fee	NIL
Accommodation	In University Guest House or Hostel
TA	As per the ICAR norms of the scheme no travel allowance/grant will be provided by the host Department
Venue	Department of Veterinary Pharmacology & Toxicology

Address for Correspondence:**Training Cordinator**

Dr. Soumen Choudhury

Assistant Professor

Department of Veterinary Pharmacology & Toxicology

Hello: 91-9411065114

Training co-cordinator(s)

Dr Amit Shukla

Assistant Professor

Department of Veterinary Pharmacology & Toxicology

Hello: 91-7014832061

Dr Ajay Pratap Singh

Assistant Professor

Department of Veterinary Microbiology



“Hand-on training on Analytical and Molecular Techniques to Decipher the Role of Phyto-biomolecules in Veterinary Therapeutics”

18th -27th October, 2021

Sponsored Under

SCSP of ICAR Outreach Programme on Ethno-Veterinary Medicine

APPLICATION FORM

Passport size
Photo
With
signature

Candidate's 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 :

Signature of Applicant

Place :

Recommendation by HOD/ Head of the Institution: