

Training Programme on Wildlife Forensics

2nd April - 6th April 2019

Objective: To sensitize and provide hands on training to participants on DNA Technology and its use in Wildlife Forensics.

Eligibility:	-Working Officers: Any officer working in wildlife and forest departments, Police, coast guard, postal and telegraph, customs, central excise, Food safety authentication department, judiciary, law enforcement department, academic institution, university or a research laboratory -Students - B.Sc. degree holders and above
Duration:	5 days
No. of seats:	14-16 No.s
Age group:	18-45 years
Date of Commencement:	2 nd April 2019
Venue of the Course:	LaCONES; CSIR-CCMB Annexe-I, Attapur, Rajendranagar, Hyderabad, 500048, Telangana
Course Fee:	Rs 20,000/- inclusive of stay (double occupancy, AC Room) and meals during the course
Residential/non-residential:	Strictly Residential

Training Curriculum:

- Introduction to DNA, DNA technology and its applications including wildlife forensics
- Status of Wildlife crime in India and abroad
- Case Studies from LaCONES, CSIR-CCMB
- Demonstration of collection, preservation, packaging and transportation of biological samples collected in the field (SOP)
- Isolation of DNA from various type of biological samples
- Quantification of DNA by spectrophotometric and in-gel methods
- Provide knowledge about the “Universal Primers” technology for Species Identification developed by CCMB.
- PCR amplification of the DNA isolated from various type of biological samples
- Sequencing and Data analysis of PCR products for Species Identification from various type of biological samples
- Understanding the use Microsatellite markers and Sex specific markers for individual identification, relatedness, sexing and repatriation
- PCR amplification using single/multiplex markers
- Genotyping and scoring of alleles: DNA profiling

- Data analysis for individual identification, relatedness, sexing and repatriation
- Troubleshooting
- Report preparation
- Impart knowledge about the legal application and implication of the DNA analysis report generated

Salient Features of the Training:

- 20% theory and 80% practical sessions are as per the course curriculum.
- Hand-out information on teaching modules
- Tutorials (personal attention)
- Lectures are assisted with multimedia aids
- Central facility visits within the laboratory
- Evaluation by assignments/ exams
- A certificate will be issued to the successful candidates