

## 2nd Short Term Professional Training on Population Monitoring Techniques for Terrestrial Mammals Using Camera Traps

This five-day training is designed for beginners as well as mid-level researchers being organized for the second year followed by a successful training in November 2018. This will give them exposure to use of camera trapping technique for population monitoring of terrestrial mammals. The technique has proven to be very useful for applied research on wildlife and conservation area management.

This training will cover aspects of research planning, execution, data organizing and data analysis.

### Course Overview

- ☐ **Camera trapping survey:** Research design principles, field applications, data management, data analysis and report preparation.
- ☐ **Designing research methodology:** Selecting appropriate field techniques and analytical framework for achieving your research goal.
- ☐ **Data organization and visualization:** Camera trap data cataloguing using Camera Trap File Manager (CTFM) software.
- ☐ **Analytical Techniques:**
  - ☐ Relative abundance of wild terrestrial mammals.
  - ☐ Exposure to different statistical framework used to analyse camera trapping data- conceptual background, regression approaches, probability distribution and model selection criteria.
  - ☐ Basics analysis for population estimation using software like- SECR in R.
- ☐ **Hands on workshop on application of key equipment:** Equipment associated with population monitoring like GPS, Camera Traps, Compass, Range finders, etc.
- ☐ Basics on use of mapping software QGIS and Google earth required for planning, execution and data analysis.
- ☐ Field work for practical applications of the tools and techniques.

### Program Details

- Dates: 02 February to 08 February 2020.
- Duration: 5 full days (+2 days travel)
- Venue: Bansbari, Manas National Park, Assam, India. see [MAP](#).
- Course Fee: See below. Fees includes registration, tuition, course materials, food, accommodation, field visits and local transportations. Few deserving local candidates may receive 50% reduction on fee which depends on fund availability.

**Capacity: 15 Participants. Book early.**

### Fees

- Early birds for Indian Applicant INR 20000 (ends on 25 December 2019),
- Foreign participants: INR 35000 (ends on 25 December 2019)
- Late Registration will attract INR 5000 above the normal fee.

### Eligibility Criteria

This training is suitable for graduate students and above; and early to mid-career wildlife researcher.

## Deadlines

- Apply by 20 December 2019.
- Only 15 sits available and confirmation is first come first serve basis.
- Fee needs to be paid by 10 January 2019
- Details about payment methods will be intimated to selected candidates only. Registration fee is non-refundable.

## Certificate of Attendance

A certificate of attendance will be provided to the participants on completion of the training. It will be jointly issued by Aaranyak and partner organizers.

## How to apply?

Please send your application and biodata along with a write-up (in 100 words) describing how this training would help you in your career development.

Email: [info@aaranyak.org](mailto:info@aaranyak.org) with

CC to Dipankar Lahkar [dipankar.lahkar@gmail.com](mailto:dipankar.lahkar@gmail.com)

## Course

This short-term training course will provide theoretical background and more on hands on training on the use of camera trapping to estimate population abundance and density of terrestrial mammals. This training will teach the latest programs and tool for camera trapping data visualization, interpretation, and basic analysis. Basic exposures to other relevant sampling methods will also teach. Participants will also learn the use of mapping software (QGIS and Google Earth), field navigation devices (GPS, map reading), carnivores and herbivores signs. The entire training will focus on best field and in-house practices of the above mentioned tools.

## Course Instructors

**Dr. M Firoz Ahmed**, Scientist F and Head, Tiger Research and Conservation Division, Aaranyak, has been involved in conservation research in India since 1998. He has carried out research work across NE India particularly in Kaziranga, Orang and Manas, Nandapha National Parks, Arunachal Pradesh, Meghalaya and Nagaland. Currently he focuses on the Transboundary Manas Conservation Area (TraMCA), Kaziranga Karbi Anglong and Dibang Valley landscapes. He was formerly a member of National Tiger Conservation Authority (NTCA) and Forest Advisory Committee (FAC), Ministry of Environment, Forests and Climate Change (MoEFCC), Government of India. He has received several awards for his contribution to science and conservation actions.

**Dr. Abishek Harihar**, Population Ecologist, has worked on tiger conservation in northern India since 2003 and currently works as a tiger population ecologist with research interests spans population ecology, law enforcement monitoring, measuring conservation effectiveness, and conservation decision making. He is currently a population ecologist at Panthera (US based Wildlife Research and Conservation Organisation) and adjunct Scientist at Nature Conservation Foundation-India.

**Dr. Dipankar Lahkar**, Biologist, Aaranyak, has worked on tiger research and conservation across different landscapes in India in general since 2009 and Manas National Park since 2011. His prime research interest is on population ecology of large carnivores. He did his PhD on the tigers ecology aftermath of ethnopolitical conflicts in Manas National Park, India.

**Invited Experts:** Relevant experts may be invited to the training for knowledge sharing in specific areas during the training.

## About Organizer and Partners

[Aaranyak](#) is a reputed non-profit conservation research organization working in eastern region of India since 1989. Its Tiger Research and Conservation Division (TRCD) is leading in organizing this training which have been using camera trapping technique since 2005. Division is involved in monitoring of tigers and other animals across northeast India region.

*Aaranyak*

[Assam Don Bosco University, Assam, India](#) will be the academic partner of this training and the participants will receive a completion of training certificate jointly issued by Aaranyak and ADBU.



**Directorate, Manas Tiger Reserve, Assam, India** is a key partner in this training and shall provide in kind logistics support for the training.



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