



TAMIL NADU FOREST DEPARTMENT



ADVANCED INSTITUTE FOR WILDLIFE CONSERVATION
VANDALUR

ANNOUNCEMENT

INTERNSHIP PROGRAMME 2023-24

ADVT. No: 01/D/2023 dated 27.04.2023

Advanced Institute for Wildlife Conservation (AIWC) is a premier Research Institution set up by the Forest Department of Tamil Nadu, primarily to provide scientific solutions to conservation problems. The Institute conducts multidisciplinary wildlife research, capacity building in wildlife conservation, training programs and advisories in wildlife research by partnering with leading research institutions in India. During 2018-19, AIWC initiated the internship programmes open for students to cater the academic needs of graduate students across the state, which has been found to be highly effective. In order to attract more students to work in the field of wildlife conservation, AIWC has planned to continue the internship programme under the Centre for Conservation Education.

The objectives of the internship programme are:-

1. To provide a framework by which graduate and post-graduate students from diverse academic backgrounds, may conduct research at AIWC, to enhance their educational experience through practical work assignments.
2. To provide the Institute's faculty, assistance of highly motivated and talented students to research in key thematic areas in wildlife conservation in Tamil Nadu.

Age limit Below 30 years

Duration

The duration of the certificate course ranges from 1 month to 2 months and depends on the area of research work.

Mode of Admission

The candidates will be selected on the basis of merit (marks) scored in the graduation degree programme and direct evaluation of student profile/ academic interest by internal committee of AIWC. Applications for the internship programme must be duly forwarded by the student along with bonafide certificate and letters of reference from Professors of the Institution in which the student is currently studying.

Project based Positions

Internship Programme is essentially a laboratory cum field-based programme and therefore due emphasis is given for conducting a field-based project that can be supplemented with data from labs.

The programme will mainly focus towards supporting the regular activities as well as ongoing projects of the institute. The requirement of the scholars for the internship programme in the specified focus area of the institute is presented below;

I. APO 2020-2021, APO 2021-2022

- Development of mammalian hair reference repository for species identification and tricho-taxonomic studies
- Development of morphology referral repository of articles in wildlife trade
- Use of molecular techniques for identification of species and geographical origin of organisms from seized products in wildlife trade and use of the same to create in-house DNA reference repository/ database
- Development of Short-Tandem-Repeats (STR) based genetic database of leopards for geographic assignment in wildlife forensics & determination of population genetic structure
- Delineating feline claws and canine teeth of tiger and leopard by morphometric methods
- Health monitoring of free ranging wild animals in selected habitats within Tamil Nadu
- Surveillance of chronic kidney disease by analysis of serum symmetrical dimethyl arginine (SDMA) in captive tigers of AAZP

- Hematological and biochemical assessment of health in camp elephants in Anamalai and Mudhumalai Elephant camps
- Evaluation of mitigation measures on targeted human-wildlife conflicts (elephant/ leopard/wild pig/ peafowl etc.)
- Assessment of human dimensions of wildlife conflicts and its impact on wildlife conservation in TamilNadu
- Assessment and identification of potential wetlands as bird sanctuaries and conservation strategies for them in Tamil Nadu

II. TANII 2022-2023

- Development of Bilingual Mobile Application for identifying Terrestrial and Marine Fauna as an Aiding Tool for Prevention and Control of Wildlife Crime in Tamilnadu
- Development of DNA mini-barcode for identification of molluscs (seashells) – A forensic identification tool for protected marine molluscs.

III. TBGPCC-JICA 2021-2022

- Species identification and development of genetic repository of genetic markers for lesser known species
- Sex identification in reptiles, birds and mammals with special focus on articles in trade.
- Forensic osteometry in species identification
- Feather atlas for bird species identification
- To develop capacity building programmes for various stakeholders

No. of Interns required for the programme

S. No	Project Domain	Number of Interns	Duration	Eligibility
1.	Molecular Lab	3	2 months	Master's Degree in Biotechnology or Genetic engineering
2.	Morphometry Lab	2	2 months	Master's Degree in Zoology/Wildlife biology / veterinary science
3.	Animal Care Sciences (Wild animal Disease diagnostics)	1	2 months	Master's Degree in Biotechnology or Genetic engineering or veterinary science
4.	Information Technology application in Wildlife Conservation	2	2 months	Master's Degree in Computer Sci. or Information Technology or Computer Applications

An internal committee of the institute will screen scholars in the required field of work and upon acceptance by the Director AIWC, permission would be granted to conduct the research work on the concerned topic. The interns will present and defend their findings and submit both hard and soft copies of final thesis, in the prescribed format to AIWC.

Publication

The results of research project will be encouraged to publish in standard refereed journals as well as other popular forms of scientific documentation at the discretion of Director, AIWC. Due authorship will be given to all researchers and other team members, who have contributed to research papers.

Mode of Application

The application form and other information could be downloaded from Advanced Institute for Wildlife Conservation website <http://www.aiwc.res.in>

Documents needed from the applicant includes,

- Application form in prescribed format
- Curriculum Vitae of the applicant
- Letter of Intent from the applicant (Not exceeding 1000 words)
- No objection Certificate from the College
- Letter of recommendation from faculty/Professors
- Copy of College ID card

The duly filled-in application form along with required documents in the prescribed format can be submitted through email at aiworte@tn.gov.in on or before **10.05.2023**. The documents will be checked in original, once the application is accepted.

General Terms and Conditions

1. The AIWC internship programme is purely on voluntary basis and subject to screening process.
2. The interns should abide to the usual terms and specific conditions laid down by the Principal Chief Conservator of Forests & Director, Advanced Institute for Wildlife Conservation, Vandalur.
3. The interns will be subjected to periodical monitoring by AIWC authorities', regarding the progress of study work.

4. In case of field study, the interns should contact the concerned Forest Rangers/ Foresters and intimate them in advance about their visits and should not venture into the protected Forest areas without the support of Forest Department staffs /Biologists during their field study. To facilitate that Director, AIWC shall issue authorization letters to concerned DFO's well in advance.
5. Sample collection, if any, should be done in the presence of Forest Department staff. The interns may collect the required secondary data specific to their study from the respective Forest and Wildlife Divisions as per its availability.
6. The interns should not harm any flora or fauna of the Protected Areas / Reserve Forests.
7. The interns should not carry any inflammable material objects or kindle fire in any part of the Protected Areas.
8. The Government/Department / Institute will not be held responsible for any chance encounter and any accident which may occur due to fire incident/ wild animals attack during their study period.
9. The interns should not share any wildlife related details with anyone without the knowledge of the Principal Chief Conservator of Forests & Director, Advanced Institute for Wildlife Conservation, Vandalur and also should not publish the same in any Scientific Journals and share with any private organizations.
10. The interns should submit two copies of final study report (both in soft and hard copy) to The Principal Chief Conservator of Forests & Director, Advanced Institute for Wildlife Conservation, after the completion of their study period
11. If the interns do not submit the final study report to this office, the candidates from the concerned College / Department /Institute will not be considered for future internship.

Sd/- A.Udhayan,
Principal Chief Conservator
of Forests & Director,
AIWC (R, T & E) Vandalur

// t.c.b.o. //

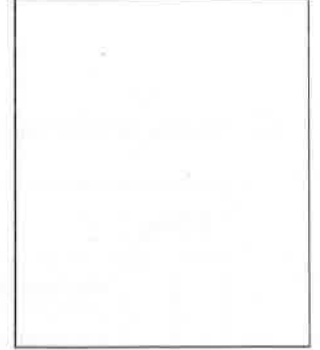
R. Krishnamoorthy
Superintendent. 27/01/23
SP
27/01/23



**TAMIL NADU FOREST DEPARTMENT
ADVANCED INSTITUTE FOR WILDLIFE CONSERVATION
VANDALUR**



APPLICATION FORM FOR INTERNSHIP



1. Name of the applicant: _____

Phone/Fax # _____
Email _____
B. Permanent residential address with *pin code* _____

Phone/Fax # _____

2. Date of birth _____ Age in years _____

3. (a) Academic achievements:

Examinations Passed	Year	University	Subject	Percentage of Marks Obtained
Bachelor's Degree				
Master's Degree				
Others				

- (b) Creative achievement (State briefly your bio data as research worker/giving details of research papers, participation in seminar, symposium, conference, etc.).
(Furnish this information in a separate sheet)

4. National parks, sanctuaries & forest areas visited, and a paragraph on self interest in the field of wildlife conservation & research.

5. Areas of research interest. *(Details may be given in a separate sheet).*

6. Choice of internship.

S.No.	Project Domain	Kindly tick the subject of interest
1	Molecular forensics	
2	Animal care sciences (Wild animal disease diagnostics)	
3	Information Technology application in wildlife conservation	
4	Human dimensions of wildlife	

7. Name, complete postal address and phone number of two referees should be given below.

1.

2.

8. List of attachments

S.No.	Attachments required	Status (Yes/No)
1.	Curriculum vitae	
2.	Letter of intent from applicant (not more than 1000 words)	
3.	No objection certificate from college/university	
4.	Recommendation letter from institution faculty	
5.	Identity card photocopy	

I, _____ hereby, certify that the information furnished above are correct to the best of my knowledge.

Place:

Date:

(Signature of the Applicant)