

**A National Workshop on
DNA Barcoding and Phylogenetics**
09th - 12th August, 2017

Registration Form

1. Name (Dr./Mr./Ms): _____
2. Date of Birth: _____ M/F: _____
3. Designation: _____
4. Department/Institute: _____
5. Educational Qualifications: _____
6. Teaching/research area: _____
7. Address for Communication: _____
8. Weather you have attended any training programme/ workshop in Bioinformatics earlier: _____
9. Registration Fees: _____
- DD.No.: Date:
- Name of Bank:
11. Accommodation Required (Yes/No): _____

Date:

Place:

(Signature of the Candidate)

**Signature of
Principal/Head/Research Director**

*(A photocopy of the form may also be used)

Important Dates

Receipt of Application begins: **20th July 2017**

Application Deadline: **31st July 2017** (Advance copy application along with a scanned copy of DD can be sent through E-mail. Registration will be confirmed only after DD is received).

Intimation of selection: **3rd August 2017** (Selected candidates will be informed through E-mail).

Venue

**Department of Marine Living Resources
(Library Hall), Andhra University,
Visakhapatnam-530 003**

**For any queries regarding programme,
please feel free to contact**

**Coordinator, DBT-BIF Programme,
Department of Marine Living Resources,
Andhra University,
Visakhapatnam-530 003,
Andhra Pradesh, India
Mobile: 9490794422
Tel/Fax: 91-0891-2719121
E-mail: dbtbifau@gmail.com**



**A National Workshop on
DNA Barcoding and Phylogenetics**
09th - 12th August, 2017



Organized by

**BIOINFORMATICS INFRASTRUCTURE
FACILITY**

Dept. of Marine Living Resources
Andhra University
Visakhapatnam – 530 003
Andhra Pradesh, India

Sponsored by



**Department of Biotechnology
Ministry of Science & Technology
Government of India, New Delhi**

Background

The Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India has been pleased to establish Bioinformatics Infrastructure Facility (BIF) under BTISnet programme for the promotion of Biology teaching through Bioinformatics at Dept. of Marine Living Resources Andhra University, Visakhapatnam, Andhra Pradesh in November; 2008. It provides services to the teachers, research scholars and students of the host University and other neighboring institutions in terms of networked computers with leased line and broadband internet connectivity in the retrieval of online and offline biological databases, bioinformatics software and tools. The Centre's facilities include dedicated lease line Internet connectivity from BSNL, HP servers, HP PCs with vista operating system, HP Printers, Xerox etc. It fosters research and developmental activities in major thrust areas like Sequence Alignment & Phylogenetic analysis, Molecular Modeling, Drug Designing and Vaccinology and also promotes marine bioinformatics works/research.

Objectives

The BIF Centre is established with the main objectives:

1. To support the teaching activities of biology and its allied areas.
2. To build up information resources, prepare databases of interest to its users and to develop relevant information handlings tools and techniques.
3. To establish linkage with BTISnet of DBT for sharing information resources and expertise.
4. To organize training/workshops for familiarizing the application of Bioinformatics in biology teaching and learning activities.

About the Workshop

DNA Barcoding is an emerging global standard for identifying species using gene sequences, and it has far-reaching applications for society and the study of biodiversity on Earth. DNA Barcoding began during recent decades with the proposal that organisms could be assigned to their correct species using a short gene sequence from a standardized position in the genome. By using genetic data rather than morphological features, barcoding can identify specimens that challenge the most

expert taxonomist: larval forms, eggs, damaged or partial specimens (including gut contents and fecal matter), and derivative forms (e.g., fish filets). Since its introduction, barcoding has proven effective as an identification system for a wide range of taxonomic groups and for varied applications of importance to science and society.

The current Workshop aims to introduce about the current emerging trends and applications of Molecular Phylogenetics and Evolution studies and to provide hands on training on molecular biology and bioinformatics tools in Molecular Phylogenetics research.

Topics Covered

Introduction and importance of DNA Barcoding, DNA isolation, DNA amplification and Gel Electrophoresis (Theory and Practical), Phylogenetics – Bioinformatics web resources and tools, online databases & retrieval of biological information. Sequence and Phylogenetic analysis. Phylogenetics reconstruction methods, Tools available for Phylogenetic analysis. Hands-on session on such tools, Population Genetics. The lectures also include case studies on DNA barcoding of mullets and on Brachyuran crabs.

Faculty

Faculty will include eminent guest speakers from Center for advanced study in Marine Biology, Annamalai University and Andhra University.

Methodology

Lectures, Demonstration by Hands-on sessions.

Level of participants

Research Scholar, Post Doctoral fellows of life sciences.

Prerequisites

Participants should have fundamental understanding of various molecular biology concepts and basic computer knowledge.

Number of Participants

Number of participants will be restricted to 25. Registration is on a first come and first served basis.

Accommodation

Outstation participants will be given shared accommodation upon prior request with nominal charges (ranging from Rs. 200/- to Rs. 300/- extra per head per day) participants should pay for accommodation.

Registration Fee:

Rs. 300/- for Research Scholars, Rs. 500/- for Post doctoral fellows and faculty. The registration fee includes training material and working lunch and tea for all the days of the Programme.

How to apply?

Interested candidates can use the Registration form for applying. Applicants may submit their registration forms duly filled in, to the following (**E-mail: dbtbifau@gmail.com**) through proper channel along with a write up (250 words only) of their knowledge in Bioinformatics and how they will be benefited by attending the workshop.

Demand Draft towards registration fees should be drawn in favor of "**Coordinator, DBT-BIF Programme**" payable at **SBI, AU campus branch Visakhapatnam**.