

National Fungal Culture Collection of India (NFCCI): DST-National Facility

11th National Level Workshop on Taxonomy, Biodiversity, *Ex situ* Conservation and Applications of Fungi (20–29 November 2019)

Venue: MACS-Agharkar Research Institute, Pune

NFCCI proposes to conduct a national level workshop for providing advanced training and help in developing competence in the thrust area of mycology and related disciplines. The workshop will be of great value to students, who are willing to pursue their career in fungal systematics and biology, plant pathology and quarantine, industrial mycology and biotechnology. This workshop would also be useful for the personnel working in pharmaceutical, food, biopesticides and biofertilizer industries, and quality control. Topics to be covered during workshop are as follows:

- Introduction to current biological status, classification and nomenclature of fungi
- Introduction to importance of asexual and sexual morphs in identification of fungi
- Introduction to habitat directed exploration of fungi from nature (mesophiles and extremophiles)
- Hands on training in isolation and culturing of plant pathogens, terrestrial litter, dung and soil fungi
- Hands on training in isolation, induction of sporulation and multiplication of endophytic fungi
- Hands on training in morphotyping and characterization of different groups of fungi
- Hands on training in morphological identification and taxonomy of micro and macrofungi
- Hands on training in selective isolation, culturing and identification of selected aquatic fungi
- Introduction to DNA barcoding, multigene phylogeny and their relevance in fungal taxonomy and identification
- Introduction to metagenomics and whole genome sequence of fungi
- Hands on training in DNA isolation, PCR and DNA sequencing
- Hands on training in sequence analyses and phylogeny
- Hands on training in mass multiplication of selected fungi used as mycopesticide
- Introduction and hands on training in bio-assays, CFU and spore counts, etc.
- Introduction to different methods used in conservation of different groups of fungi
- Hands on training in *ex-situ* conservation (cryopreservation, lyophilization and other classical methods)
- Introduction to Convention on Biological Diversity (CBD) and Indian Biodiversity Act

Who can apply: Graduates/Postgraduates in Science/Life Sciences, Ph.D. students, Post Doc Researchers, College and University teachers, Scientists, industry personnel, etc.

Workshop Fee:

Rs 12,500 + GST @18% (participants from academia and research institutions)

Rs 16,500 + GST @18% (participants from industry)

Note: Workshop fee includes workshop kit, laboratory expenses and food (breakfast-tea and lunch). Due to limited availability, accommodation would be arranged on request of the selected candidates. The approximate charges of accommodation would be Rs 750 (+ admissible tax, if any) per person and per day (twin sharing basis). Participants may utilize ARI canteen facility for dinner on payment basis.

Important dates:

Receipt of duly filled-in application form: **20 October 2019**

Intimation to selected candidates: **25 October 2019**

Receipt of fee from selected candidates: **30 October 2019**

Application form can be downloaded from ARI website: www.aripune.org

Note: Selection of candidates and cancellation of workshop will be solely at the discretion of the organizer, and no further correspondence shall be entertained in this regard.

Contact: Coordinator of the National Workshop: **Dr S. K. Singh**, Scientist, MACS-Agharkar Research Institute, GG Agarkar Road, Pune 411 004, Phone: 020-2532 5103; Mobile: 95527 09158; e-mail: nfcci.workshop@gmail.com, sksingh@aripune.org.