

# Application form for the Workshop

on

## “Biocontrol of Crop Pests & Invasive, and Utilization of Insects as Food in North-East Region of India”

(February 6–7, 2020)

1. Full name (in block letters):
2. Designation:
3. Present employer and address:
4. Address for correspondence (give e-mail, / Mobile No.):
5. Permanent address:
6. Sex: Male/Female
7. Marital status: Married/Unmarried
8. Academic records: (Exams passed, Main subjects, Year of passing, Class/ Rank/ University/ Institution, Any other):
9. Interested to participate in Exhibition: Yes/No

*Signature of applicant*

10. Recommendation of the forwarding Institute (Signature, date, designation / address):

### Certificate

It is certified that the above mentioned information are correct as per office record.

*Signature*

Designation of sponsoring authority

Applications/nominations may be sent to:

**Prof. R. K. Saha**

Director (Extn. Education), CAU, Imphal 795 004, Manipur  
Email: dee\_cau@yahoo.co.in; Contact no: 9436122795

**Dr. R. K. Tombisana Devi**

Incharge, School of Crop Protection, CPGS-AS, CAU,  
Umiam, Meghalaya  
Email: totonene2011@gmail.com  
Mobile no: 9862282383

### Organizing Committee

#### Chief Patron

Prof. M. Premjit Singh  
Vice- Chancellor, CAU, Imphal

#### Patron

Dr. Chandish R. Ballal  
Director  
ICAR- National Bureau of Agricultural Insect  
Resources, Bengaluru

#### Chairperson

Prof. R. K. Saha  
Director of Extension Education  
CAU, Imphal

#### Co-Chairpersons

Prof. K. Mamocha Singh  
Registrar, CAU Imphal  
Dr. N. B. Singh  
Dean, CPGS-AS, CAU, Imphal

#### Course Directors

Dr. R. K. Tombisana Devi  
In charge, School of Crop Protection, CPGS-AS  
CAU, Umiam, Meghalaya

Dr. M. Nagesh  
PS & HOD, ICAR- NBAIR, Bengaluru

Dr. Mahesh Pathak  
Professor (Entomology), CPGS-AS  
CAU, Umiam, Meghalaya

Dr. Pranab Dutta  
Associate Professor (Plant Pathology), CPGS-AS  
CAU, Umiam, Meghalaya

Dr. Shravan M. Haldhar  
Associate Professor (Entomology), COA, CAU, Imphal

#### Course Coordinators

Dr. Selvaraj  
Scientist (Entomology), ICAR- NBAIR, Bengaluru

Dr. Kennedy Ningthoujam  
Assistant Professor (Entomology), CPGS-AS  
CAU, Umiam, Meghalaya



### INFORMATION BROCHURE

### WORKSHOP

on

## “Biocontrol of Crop Pests & Invasive, and Utilization of Insects as Food in North-East Region of India”

March 6-7, 2020

*Sponsored by*

ICAR- NATIONAL BUREAU OF AGRICULTURAL  
INSECT RESOURCES (NBAIR)  
BENGALURU

*Organized by*

DIRECTORATE OF EXTENSION EDUCATION  
CENTRAL AGRICULTURAL UNIVERSITY  
LAMPHELPAT, IMPHAL, MANIPUR

*Venue*

COLLEGE OF PG STUDIES IN AGRICULTURAL SCIENCES  
CENTRAL AGRICULTURAL UNIVERSITY  
UMIAM, MEGHALAYA

## About the Workshop

North- East region of India has rich biodiversity of life and natural resources. Modern agricultural practices have established a fact that excessive and indiscriminate use of synthetic inputs including insecticides, fungicides, weedicides, fertilizers etc., have endangered the biodiversity, bio security, natural resources and human well-being.

Also, there is urgent need to address the challenges of invasive insect pests such as Fall Army Worm in Maize, rice pests, honey bee pests etc., through biological control as a component of IPM. To overcome the hazards associated with chemical pesticides, the use of biocontrol agent is increasingly being adopted. A great deal of knowledge has been gathered on the use of biocontrol agent for the management of pests and diseases. Biocontrol agents have offered some realistic alternatives to chemical pesticides when used as part of an ecologically based integrated pest management or area-wide pest management strategy.

Further, as a part of containment program of crop pests, some of the life stages of coleopteran crop pests can be utilized/ promoted as human food and nutritional sources, keeping in view the food habits and cultures of the local groups and reduce the pestilence. Keeping in view the huge scope for growth of the biocontrol sector in NEH region, Central Agricultural University, Imphal and ICAR-NBAIR, Bengaluru are organizing a Workshop on “Biocontrol of Crop Pests & Invasive, and Utilization of Insects as Food in North-East Region of India” during March 6-7, 2020, under NEH program of ICAR- NBAIR, Bengaluru for resource personnel engaged in extension/developmental officers of agriculture KVK SMS of CAU/ICAR/SAUs and innovative farmers of North-East states of India.

## Subject Area Covered

- Cutting edge technology to workers already engaged in production of bio-agents or would like to learn the technology for possible future endeavours.
- State- of- the- art technology to the young entrepreneurs who wish to set up mass production units for biological control agents.
- Identification and biocontrol of rugose white fly.
- To provide cutting edge of biological control of pests in honey bee.
- Identification and biocontrol of Fall Army Worm.
- Collection and utilization of edible insects.
- Biological control of insect pest of rice.
- Significance of homemade bio-pesticides.

## Exhibition cum Presentation

During the Workshop, interested participants/ progressive/ innovative farmers may present their innovations/success stories/practices through poster(s). Three (3) best posters of the farmers will be selected for award.

## CAU at a Glance

The Central Agricultural University (CAU), Imphal was established by an act of Parliament, The Central Agricultural University Act, 1992 (No. 40 of 1992) which came into effect on 26<sup>th</sup> January, 1993. The jurisdiction of the University extends to seven North-Eastern Hill States viz., Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura, with headquarters at Imphal in Manipur. University established thirteen colleges and six Krishi Vigyan Kendras (KVKs) in the seven states of North East India and offers Undergraduate, Post graduate and Doctorate Degree Programmes in agriculture and allied sciences.

## How to reach CPGS-AS, Umiam?

Umiam is on the way to Shillong from Guwahati. Nearest railway station and airport are at Guwahati. Umiam is about 80 km from Guwahati and can be travelled by hire taxi or share taxi. The College of PG Studies in Agricultural Sciences, CAU lies adjacent to ICAR Complex for NEH Region, Umiam.

## Eligibility

Extension/developmental officers of agriculture, KVK SMS of CAU/ICAR/SAUs and innovative farmers in the area of agriculture or any other related agriculture disciplines of North-East states. The total number of participants shall be limited to 40 - 60. There are no course fee charges to participants for attending this workshop. Food and stay, workshop materials etc, will be provided by the organizer. Actual TA for farmers by bus/train (II Sleeper) will be given by the organizer.

## How to apply?

Application for participation in the workshop may be made in the prescribed format as given herewith and forwarded by the competent authority where the candidate is employed. Applicants may send an advance copy if they anticipate delay in forwarding through proper channel. However, the final selection will be made only if the application duly recommended by the competent authority is received. After the candidates are intimated of their selection, they should immediately reply with firm acceptance. Cancellation at the last moment for casual reasons after acceptance is undesirable as it will deprive other eager candidates who could have availed of the opportunity.

**Last date for receipt of the application-  
25/02/2020**