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NATIONAL CONFERENCE

ON
PRIORITIES IN CROP PROTECTION
FOR SUSTAINABLE AGRICULTURE



MARCH 16-18, 2021



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 AGRICULTURE
CENTRAL AGRICULTURAL UNIVERSITY
IROISEMBA, IMPHAL



ABOUT NATIONAL CONFERENCE

There is a realization that although green revolution has changed the face of agriculture, yet poor and marginal farmers are less benefitted. Similarly, modern agricultural practices which actually ushered in the green revolution has done more harm to natural resources partly due to imbalanced and inadequate supplementation of nutrients. Similarly, the use of pesticides also caused harm to natural resources, often because of excessive and faulty use of these chemicals. As a result, there is a new awakening on resource management in agriculture. It is also said that Green Revolution technologies were inappropriate for marginal and poor farmers, but peasants were excluded from access to credit, information, technical support and other services that would have helped them use and adapt these new inputs if they so desired. Clearly, the historical challenge for the publicly funded agricultural research community is to refocus its efforts on marginalized farmers and agro ecosystems and become catalysts in their sustained growth, which will lead to the welfare of agriculture and country. Keeping in view the huge scope of the crop protection in NEH region, Central Agricultural University, Imphal and ICAR-NBAIR, Bengaluru are organizing a three day national conference on “**Priorities in Crop Protection for Sustainable Agriculture**” from 16th to 18th March, 2021 at **College of Agriculture, Iroisemba, Manipur, India**. The conference aims to take stock of the prevailing agricultural resources and their management strategies and how to augment and prioritize them so that its benefits are reaped by the small stakeholders residing in diverse and adverse conditions in a sustainable way based on the use of local resources and indigenous knowledge. The conference will be highlighting research priorities based on the socio-economic needs and environmental circumstances of resource-poor farmers. Issues such as policy formulation, at institutional level as well as for research and development are expected to be dealt intrinsically to make sure that agro-ecological alternatives are adopted to make them equitably and broadly accessible, and multiplied so that their full benefit for sustainable food security can be realized. Equitable market opportunities emphasizing fair trade and other mechanisms that link farmers and consumers more directly will also be a part of the discussion.

SUB-THEMES

- ☛ **Changing scenario of pests in agriculture ecosystems**
 - Invasive and emerging pests like insects, diseases, weeds etc.
 - Pest-host-environment interactions
- ☛ **Host plant resistance: Biochemical and molecular mechanisms**
 - Host plant resistance in IPM
 - Breeding for pest resistance
 - Gene mapping and genome editing
 - Metabolomics/transcriptomics
- ☛ **IPM Technologies**
 - Bio-pesticides/ Biological control/Natural enemies
 - Semio-chemicals in pest management
 - Nano technology, use of drones and pest management
- ☛ **Role of traditional vis-a-vis eco-friendly pesticides on the pest management**
- ☛ **Food and Nutritional Security**
 - Attracting youth to crop protection sciences
 - Education and extension services
 - Technology transfer
 - Production, marketing and application
 - Post-harvest losses/stored pest management
- ☛ **Crop protection activities during and after COVID - 19**

ABOUT THE CAU

The Central Agricultural University (CAU), Imphal has been established by an act of Parliament, The Central Agricultural University Act, 1992 (No. 40 of 1992). The act came into effect on 26th January, 1993 with the issue of notification by the Department of Agricultural Research and Education (DARE), Govt. of India. 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. To realize the above mission, 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 IMPHAL

Imphal the capital of Manipur is well- connected by air and bus. It is well connected by road to Guwahati, via Dimapur and Kohima by NH-2 and to Silchar, Assam via Jiribam by NH 37. The Venue is situated by the Uripok Kangchup Road near the Manipur Zoological Garden, about 7.2 km from the Imphal Central Point.

ACCOMMODATION

Accommodations are available in guest houses of CAU, COA, ICAR Institute, Manipuri University and other Govt. Institutes. Many hotels and private Guest Houses are also available in Imphal. Request for hotel boarding and approximate tariff for hotel accommodation need to be sent with registration form/mail. The allotment of rooms will be on a “first-come, first-serve” basis. Single & Double bed accommodations are available in hotels in the range of Rs 2000-5000.

CALL FOR PAPERS

Abstracts (300 words) in MS Word (Times New Roman) format in font size 12 having names of authors and affiliation should be submitted in electronic form on email: haldhar.ento.coai@cau.ac.in to the Organizing Secretary latest by February 20, 2021. Abstracts received after the deadline will not be included in the book of abstracts.

IMPORTANT DEADLINES

- Submission abstracts: 20/02/2021**
- Notification of acceptance of abstracts: 02/03/2021**
- Registration for accommodation (paid): 20/02/2021**

PRESENTATION

Presentation in both oral (Power Point) and poster modes will be organized to accommodate maximum number of contributions. The fonts selected for Power Point format should be legible from a distance of 10-12 m on a 2 m x 3 m screen. Overcrowding of data should be avoided for the sake of clarity. Posters should preferably be on a 60 cm x 90 cm space and readable from 2 m distance. Each poster should contain the title, author(s) name and affiliation(s) followed by brief introduction, objectives, methodology, results and conclusion. **Technical session wise best oral/ poster presentation will be awarded.**



Loktak Lake



- ACADEMIC DISCIPLINE**
- Under-Graduate :
1. B. Sc. Agri.
- Post-Graduate :
1. M. Sc. Plant Breeding & Genetics
 2. M. Sc. Plant Pathology
 3. M. Sc. Soil Science & Agril. Chemistry
 4. M. Sc. Entomology
 5. M. Sc. Agronomy
 6. M. Sc. Agricultural Economics
 7. M. Sc. Extension Education
 8. M. Sc. Horticulture
- Ph.D Degree Programme
1. Plant Breeding & Genetics
 2. Plant Pathology
 3. Agronomy
 4. Soil Science



REGISTRATION FEE

Category	On or before Feb. 20, 2021	On spot registration with late fee
Academicians/Scientists	2500/-	3000/-
Students / Research Fellows	1000/-	1200/-
Participants from Industry/ Pvt sector	2500/-	3000/-

The registration fee includes the seminar kit, access to seminar sessions, daily seminar lunch. The research fellows/ students are required to produce a valid certificate, identity card of the college/ institute for availing the student/ research fellow discount. The registration fee does not include accommodation charges.

BANK ACCOUNT DETAILS

Account Name: Organizing Secretary, NE Agri-Fair

Bank Name: SBI, Imphal, M G Avenue (00092)

IFSC: SBIN0000092

Account Number: 31074309863

ADDRESS FOR CORRESPONDENCE

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