

## Accommodation

Dharwad has year round moderate (mild) climate. During December the weather is cold. Delegates can manage with warm clothings.

A simple and decent accommodation can be provided at University Guest House or nearby institutes on first come first serve basis. Dharwad-Hubli twin cities have hotels / lodges suiting varying budgets. The recommended Hotels are Hotel Navin, Hotel Hans, Anant Residency, Hotel Trupti International, Hotel Travel Inn, Hotel Brindavan, Hotel Mandaar and Hotel Hoysala. Accommodation can be arranged in guest houses / affordable hotels on priority basis against advance payment of room charges.

### REGISTRATION FORM

#### NATIONAL CONFERENCE ON

### "INVASIVE ALIEN INSECTS: THREAT TO AGRICULTURE, HORTICULTURE & FOREST ECOSYSTEMS"

23 & 24, December 2009

Name (Capital letters) \_\_\_\_\_

Designation \_\_\_\_\_

Organization & Mailing Address \_\_\_\_\_

Telephone: Office \_\_\_\_\_

Telephone: Resi/Mobile \_\_\_\_\_

E. mail \_\_\_\_\_

Indicate whether presenting a paper, or just a delegate \_\_\_\_\_

Details of Registration fee sent

DD No.: \_\_\_\_\_ Date \_\_\_\_\_ Drawn on: \_\_\_\_\_

Date: \_\_\_\_\_

Signature \_\_\_\_\_

(The Registration form or its photocopy may be filled in and mailed along with DD and extended abstract of the paper)

<http://www.uasd.edu>

## Organizing Committee

### Chief Patron:

**Dr. J. H. Kulkarni**, Vice-Chancellor, UAS, Dharwad

### Patrons:

**Dr. P. M. Salimath**, Director or Research, UAS, Dharwad

**Dr. M. B. Chetti**, Dean (Agri), AC, Dharwad

**Dr. B. M. Khadi**, Dean (PGS), UAS, Dharwad

**Dr. R. R. Hanchinal**, Director of Extension, UAS, Dharwad

**Dr. L. Krishna Naik**, Director of Seeds, UAS, Dharwad

**Dr. H.S. Vijayakumar**, Registrar, UAS, Dharwad

### Chairman:

**Dr. K. Basavana Goud**, Prof. & Head,

Dept. Agril. Entomology, College of Agriculture,

Dharwad - 580 005, Karnataka, India

E-mail: kbgoud1954@yahoo.co.in, Phone : (O) 0836-2443401

Mo: 09845290738/Resi:0836-2772207

### Organizing Secretary

**Dr. A. S. Vastrad**, Professor of Agri. Entomology,

College of Agriculture, Dharwad-580 005,

Karnataka, India, E-mail: vastrad\_v@yahoo.com;

asvastrad@gmail.com, Mo: 09448194694, Fax: 836-2445696

### National Advisory Committee

Dr. B. V. Patil, Special Officer, UAS, Raichur

Dr. P. S. Chandurkar, Plant Protection Advisor, Govt. of India, Faridabad

Dr. R. J. Rabindra, Director, NBAIL, Bengaluru

Dr. Krishna Kumar, Director, IFGTB, Coimbatore

Dr. T. P. Rajendran, ADG (PP), ICAR, New Delhi

Dr. H. C. Sharma, Principal Scientist (Ent), ICRISAT, Hyderabad

Dr. S. Lingappa, Former Director of Research, UAS, Dharwad

Dr. K. A. Kulkarni, Former Registrar, UAS, Dharwad

Dr. C. A. Viraktamath, Emeritus Professor, UAS, Bengaluru

Dr. T.C. Narendran, Emeritus Professor, Calicut University, Calicut

Dr. H. D. Kulkarni, General Manager (Plantations) ITC, Hyderabad

Mr. R. K. Chopra, Head, Raw Materials, WCPM, Dandeli

Dr. Sanjay Tripathi, General Manager (Raw Material), OPM, M.P.

### National Organizing Committee

Dr. Shivapuje, Dean, Marathawada Agricultural University, Parbhani

Dr. J. S. Awaknavar, Prof & Head (Ent.), UAS, Dharwad

Dr. G. T. Gujar, Professor & Head (Ent), IARI, New Delhi

Dr. N. G. Kumar, Prof. & Head (Ent), Agril. College, UAS, Bengaluru

Dr. P. Sivasubramanian, Professor & Head (Ent), TNAU, Coimbatore

Dr. Sosamma Jacob, Prof.&Head (Ent), Kerala Agriculture Univ., Thrissur

Dr. R. C. Jhala, Prof. & Head (Ent), Anand Agriculture Univ., Anand, Gujrat

Dr. R. R. Patil, Professor of Entomology, Agriculture College, Dharwad

Dr. D. C. Borah, Professor of Entomology, AAU, Jorhat

Dr. K. Dharma Reddy, Prof. (Ent), Agril. College, ANGARU, Hyderabad

Dr. B. S. Bhumannavar, Principal Scientist, NBAIL, Bengaluru

Dr. O. K. Ramadevi, Scientist, Institute of Wood Science, Bengaluru

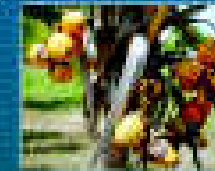
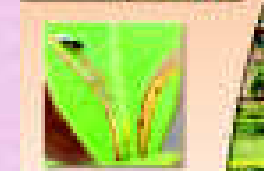
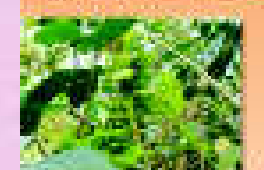
FIRST CIRCULAR

UNIVERSITY OF AGRICULTURAL SCIENCES  
DHARWAD, KARNATAKA

NATIONAL CONFERENCE  
ON

INVASIVE ALIEN INSECTS : THREAT  
TO AGRICULTURE, HORTICULTURE  
AND FOREST ECOSYSTEMS

23-24 December, 2009



Organized by

DEPARTMENT OF AGRIL. ENTOMOLOGY  
UNIVERSITY OF AGRICULTURAL SCIENCES  
DHARWAD-580 005

This National Conference is aimed at promoting research and development for managing invasive alien insects.

## Objectives

- \* To bring together entomologists working on invasive insects affecting Agriculture, Horticulture and Forest ecosystem to share their experiences.
- \* To assess the current state of Research and Development on invasive insects.
- \* To review bio-control and bio-rational strategies to manage invasive insects to reduce environmental pollution.
- \* To develop web based Indian invasive insects database and establish Indian Invasive Insect Specialist Group.
- \* To develop and recommend policy initiatives for management of invasive insects.
- \* To stimulate public - private Research and Development collaboration.
- \* To encourage young researchers to pursue relevant Research and Development themes.

## Global Concern for Invasive Alien Insect Threat

Invasive alien species (IAS) occur in all taxonomic groups and can affect all types of ecosystems. While a small percentage of organisms transported to new environments become invasive, the negative impacts can be extensive and over time these additions become substantial. Native ecosystems that have undergone human-induced disturbance are often more prone to alien invasions because there is less competition from native species. They also threaten human health, displace native species or degrade environmental aesthetics. Total annual costs, including losses to crops, pastures and forests, as well as environmental damages and control costs, have been conservatively estimated to be in the hundreds of billions of dollars.

With increases in international trade and travel, India like any other country, is becoming increasingly exposed to the vagaries of infiltration by potentially dangerous insect pests threatening plants that provide food, fibre, timber and other means of economic and ecological prosperity. Many exotic insect pests have been regularly invading several crops resulting in serious loss to Indian agriculture. Discovery of new exotic pests may lead to trade embargo. While total eradication is seldom achieved, satisfactory management of alien species is possible. While time and money are limited, the number of introduced species continue to increase. The study and control of invaders cannot be sustained on a case-by-case basis. These questions need to be attended by taking a fresh look at the invasive insects.

## Scope of the National Conference

In this context, Department of Agricultural Entomology, University of Agricultural Sciences, Dharwad is proposing to convene a National Conference during December, 2009 to provide a platform for experts and other stake holders to focus on Invasive Alien Insect threats in Agriculture, Horticulture and Forest ecosystems. The major focus will be to assess current status of research and development and prioritize themes for future research thrusts.

## Major Thematic Areas for Submission of Papers

- \* Diversity, Ecology, Biogeography and characteristics of invasive insects and mites.
- \* Molecular techniques for diagnosis and identification of invasive insects.
- \* Invasive insects and plant quarantine.
- \* Alien insect invasions and environmental interactions (competitive exclusion, niche displacement, hybridization, predation, and extinction, climate change and insect invasions).
- \* Hinderance to sustainable use of biodiversity due to insect invasions.
- \* Pest and environmental risk assessment.
- \* Biological control of invasive alien insects and weeds.
- \* Bio-rational and eco-friendly approaches for invasive alien insect management.

## About the Department

The Department of Agricultural Entomology, College of Agriculture, Dharwad came into existence during 1947. The PG programmes leading to M.Sc (Agri) & Ph.D began in 1973 & 1977, respectively. The Department has completed several adhoc projects funded by ICAR, DBT, DST, GOI, GOK etc. with an outlay of more than 100 crores. The Department has attracted several PG students with JRF & SRF from all over the country. During the current year the department has been sanctioned with FIST programme to develop the infrastructural facilities by DST, New Delhi. The Department has done pioneering work on many alien insects viz., subabul psyllid, serpentine leafminer, spiralling whitefly, coconut perianth mite, sugarcane woolly aphid & eucalyptus gall wasp. The Department is recognised as National Centre for Biogeography and Molecular studies and National Repository for honey bees.

## Papers and Awards

For each session there will be 1-2 lead papers presented by invited experts. Submitted papers will be assigned oral/poster presentations, as per the importance/content. Awards will be given to the best papers across the sessions, besides awards for young scientists (<35 yrs.) and student research.

## Abstract, Paper and Paper Format

Extended abstract of the paper not exceeding two pages with Arial 11 font including Title, Abstract, Tables or Figures (a maximum of two) and References may be submitted as email attachments to reach the Organizing Secretary by **1<sup>st</sup> October, 2009**. Format of the abstract should be as per **Indian Journal of Entomology**. Hard copies (two) of the extended abstract and a CD/email attachment should reach by **1<sup>st</sup> November, 2009**. Abstracts not arriving within the time limit may not find place in the proceedings. The standard poster size is 1.5 m x 1.0 m (Leave 2.5 cm border on all sides and font size should be atleast 26 points).

## Registration

Since the number of participants are limited, intending participants are advised to register early to ensure their slot in good time. Registration forms should be submitted along with registration fee to reach the Organizing Secretary not later than **15<sup>th</sup> October, 2009**. Abstract will not be considered without registration fee.

## Registration Fee

Scientists/Faculty	: <b>Rs.1200</b>	Private Sector	: <b>Rs. 2000</b>
Students	: <b>Rs. 600</b>	(Certificate from HOD to be enclosed)	

(Rs. 200/- extra beyond last date of registration). Please avoid spot registration. Spot registration is allowed only with prior permission of the organizers. Registration fee may also be remitted online to **A/c. No. 30791356327 of SBI, UAS, Dharwad branch**.

The registration form along the abstract should be sent with a demand draft favouring '**The Organizing Secretary, NCIAI**' payable at **Dharwad**. This fee covers conference stationery, book of abstracts, local hospitality including refreshments, working lunch and dinner.

## General Information

### Travel to Dharwad

Dharwad is well connected by Air, Rail and Road to all Major cities of the country. The delegates can travel to Bangalore / Goa, either directly or via Chennai, Mumbai or Delhi. Further, they can travel from Mumbai or Bangalore by daily flights of Kingfisher Airlines to Hubli located 25 kms from Dharwad. Delegates should make their own arrangements to reach the conference venue.

## Logistics

Projection facilities arranged for the conference include LCD projector. The standard power source is 220/230 volts AC. It is advised to bring necessary adapter or transformer to link with local electrical power, if required.