



## National Symposium

on



## Integrated Pest Management for Sustainable Crop Protection

during 24-25 February, 2015

Organized by

Division of Entomology  
ICAR-Indian Agricultural Research  
Institute, New Delhi 110012, India

Sponsored by

Association of Biotechnology Led  
Enterprises, Agriculture Focus Group, India

Venue

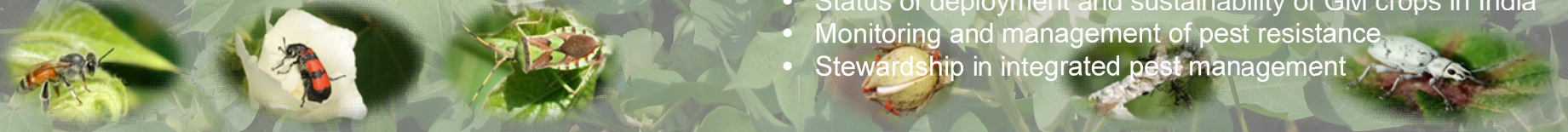
Virology Auditorium  
ICAR-Indian Agricultural Research  
Institute, New Delhi 110012, India

## About the Symposium

Agriculture is the primary interface between people and the environment, and therefore, agricultural transformation is essential to meet the global challenges of reducing poverty, food security, and environmental protection. To minimize the over-dependence on pesticides in crop protection, and to avoid harmful effects to the environment in general and hazards to the users of pesticides in particular, the Government of India has adopted Integrated Pest Management (IPM) as a main plank of the Government Policy on plant protection since 7th plan period. This program emphasizes surveillance for need-based and timely application of selective pesticides instead of calendar based prophylactic measures using broad spectrum pesticides, conservation and augmentation of biocontrol agents and entomopathogenic microbes, promotion of improved cultural practices including use of tolerant/resistant varieties, and IPM demonstrations in farmers fields. Therapeutic interventions into biological and ecological systems provide only a short-term relief, and the effects of such interventions are neutralized by the countermoves within the biological and ecological systems. Long-term answers to pest problems can only be sought by restructuring and managing ecosystems in a way that enhance the ability of in-built mechanisms to resist insect damage, while the therapeutic tactics serve as a back up to the natural regulatory processes. Recently, the modern tools of biotechnology for pest management to increase the efficacy of biopesticides and natural enemies, and to increase the levels of host plant resistance to insects through genetic engineering and gene pyramiding have also come in existence. At the same time there has also been a tremendous change in the pest spectrum and qualitative shift in pest management tactics; current package of practices to overcome the emerging insect pest problems are not yielding the desired levels of control. Therefore, vigorous efforts are needed to develop suitable pest management packages to reduce the losses caused by insect pests. It is timely to review the available pest management techniques, and their integration in IPM module for sustainable pest management. Such a review and introspection will pave a way to better engineer different components in to an effective IPM module to cater to the current and future needs of sustainable crop production. Thus, this symposium will focus on the following issues:

### Thrust Areas

- Integrated pest management in theory and practice
- Deployment status of various pest management technologies
- Status of deployment and sustainability of GM crops in India
- Monitoring and management of pest resistance
- Stewardship in integrated pest management





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### Convener

•Dr G.T. Gujar, Ex-Head, Division of Entomology, ICAR-Indian Agricultural Research Institute, New Delhi, India Email: [gtgujar@yahoo.com](mailto:gtgujar@yahoo.com)

### Organizing Secretary

•Dr. Mukesh K. Dhillon, Senior Scientist, Division of Entomology, ICAR-Indian Agricultural Research Institute, New Delhi, India; [mukeshdhillon@rediffmail.com](mailto:mukeshdhillon@rediffmail.com)

**Poster Presentation:** 24-25 February, 2015 from 10:00 am to 5:00 pm

**Guidelines for poster presentation:** Posters will be displayed from the registration time until completion of the seminar. The display area allotted for each poster is 90 cm wide x 120 cm height, and poster size must be 85 cm x 115 cm. Use the easily readable fonts and the font size for the text should not be less than 20 points. The font size for the graphs and tables should not be less than 24 points.

## Registration Form

Name: Dr./Mr./Mrs. \_\_\_\_\_

Designation: \_\_\_\_\_

Institution: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

Telephone No.: Mobile No.: Fax No.: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Accompanying delegates: \_\_\_\_\_

Participation as: 1. Delegate or 2. Delegate with poster presentation

Abstract enclosed: Yes \_\_\_\_\_ No \_\_\_\_\_

Poster Presentation : Yes \_\_\_\_\_ No \_\_\_\_\_

Date: \_\_\_\_\_ Place: \_\_\_\_\_ Signature \_\_\_\_\_

### Note:

- There is no registration fee, however, it is essential to pre-register with abstract for poster presentation with the organizers.
- Participants will make their own travel arrangements.
- Photocopy of this form may be used as additional registration form.
- Limited accommodation is available for students coming out of Delhi on first come first basis.

### Please mail correspondence and general queries to

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**Last Date for Submission of Abstract: 15 February, 2015**