



Om Sakthi



National seminar

on

“Recent Trends in Pest and Disease Management Strategies to align with Environmental Protection”

12th July 2016



ADHIPARASAKTHI AGRICULTURAL COLLEGE
(Affiliated to Tamil Nadu Agricultural University, CBE-3)
G.B. Nagar, Kalavai- 632506
Ph: 04173- 295050, 295080

ABOUT THE COLLEGE

Adhiparasakthi Agricultural and Horticultural College, the first self-financing College in Tamil Nadu, was established at G.B. Nagar, Kalavai, Vellore district in the year 1999. It is affiliated to Tamil Nadu Agricultural University (TNAU), which is a premier and pioneer institute in agricultural education and research.

Initially B.Sc.,(Agri.) programme was started during the year 1999, followed by B.Sc.(Hort.) in 2003. During the academic year 2008, Diploma in Agriculture was started. In the year 2012, Post Graduate programmes like, M.Sc., (Hort.) in Vegetable Sciences and M.Sc. (Agri.) in Plant Pathology were started.

ABOUT THE SEMINAR

Agricultural food production can be achieved normally with good monsoons under pest free environment. Biotic and abiotic factors play a major role in influencing the yield potential of crops. Pests and diseases in particular have ultimate influence and their management plays the crucial role in the crop production. Pests and disease loss in general varies from 20 to even 60% under varying conditions under unprotected conditions. Even up to 75% loss is encountered by certain sucking pests and diseases. Economic forecasting for better price for farm produce also at times induces monocropping pattern, which in turn induces pest out breaks. The influence of abiotic factors like torrential rains followed by drought, increased salinity / alkalinity in soil or water, high temperature etc., adversely affect crop production while at the same time favours multiplication of known or unknown pests/diseases.

Pest and disease management which incorporate non chemical strategy of application, though highly favourable, does not suit to its concept during pest/disease out breaks. In the same way, biological control also has got limitations in application and may not be feasible under pest/pathogenic

inoculum loaded environments. The concept of involving cultural techniques of pest and disease control under appropriate strategies in crop production, sustains normally over a period of time. Chemical strategies though not preferable, are needed when pest and disease incidence/intensity increases above the threshold levels. Pest outbreaks could be tackled by synthetic or natural pesticides. General strategies are to be worked out with region based technologies against severe / dominant pests and diseases of the locality.

THEMES

- Recent pests and diseases and their economic importance in both agricultural and horticultural crops.
- Cultural and biological techniques for pest and disease management.
- Need based chemical control strategies against pest and diseases.
- General IPM strategies to focus on environment safety and sustainability.

CALL FOR PAPERS

A full paper of maximum of five pages (A4 size, Times New Roman font size of 12 with 1.5 line spacing) should be submitted through *Email: apacprotection2016@gmail.com* and hard copy by post may be sent on or before **30th June 2016**.

A maximum of three authors are permitted per paper. For poster presentation, the size should be 60 cm X 60 cm. The paper should be sent along with filled in registration form. The registered participants can participate and present their papers in the seminar. The certificates will be issued only to the registered participants. Since, a souvenir is proposed for publication, the following format shall be followed uniformly.

- Title / authors
- Abstract
- Introduction
- Materials and methods

- Results and discussion
- References (Follow the format as in Madras Agricultural Journal)

REGISTRATION FEE

Academicians/Scientist: Rs.500

Research Scholars/Students: Rs.250

Registration fee can be sent in the form of demand draft drawn in favour of “**The Dean, Adhiparasakthi Agricultural College**” payable at Vellore (or) by cash. Cash payment may be made to the Organizing Secretary in person.

Programme Schedule

12th July 2016

08.00 am Registration

09.30 am Inaugural Function

Session 1 – Nature and economic importance of pests and diseases

10.30 am to 1.00 pm. Lecture hall 1

Session 2 – Cultural and biological control of pests and diseases

10.30 am to 01.00 pm – Lecture hall 2

Session 3 – Chemical control of pests and diseases

10.30 am to 1.00 pm – Lecture hall 3

Session 4 – IPM strategies for safer environment

10.30 am to 1.00 pm – Lecture Hall 4

1.00 pm to 2.00 pm – Lunch break

Valedictory function

2.00 pm to 4.00 pm – Seminar Hall

Chief Patron

Arul Thiru Bangaru Adigalar

Founder President, APEI.

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Executive Trustee, APEI.

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Organizing Committee

Chairman: Dr. S. Nanthakumar

Dean *i/c*

Secretary: Dr. B. Rajendran

Prof. & Head (Agrl. Entomology)

Key Note Speakers

❖ **Dr.K.Ramaraju, Ph.D.,**

Director

Centre for Plant Protection Studies,
Tamil Nadu Agricultural University,
Coimbatore – 641003

❖ **Dr.K.Prabakar,**

Dean

PGP College of Agricultural Sciences,
Palani Nagar,
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REGISTRATION FORM

Name (in Block Letters) :

Designation :

Address :

Mobile No. :

Email :

Title of the paper(s) :

Type of presentation : Oral / Poster

Details of Demand Draft :

Amount (Rs.) :

D.D. No. & Date :

Bank :

Accommodation : Yes/No

Signature