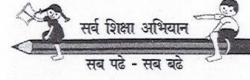




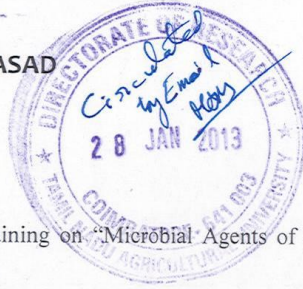
तिलहन अनुसंधान निदेशालय
DIRECTORATE OF OILSEEDS RESEARCH

राजेन्द्रनगर, हैदराबाद - ५०० ०३० (आ.प्र.)
RAJENDRANAGAR, HYDERABAD - 500 030 (A.P.)



Website : www.dor-icar.org.in
Fax No. : +91-040-24017969
तार : शोधतेलहन
Grams : SODHTELHAN
दूरभाष :
Phone : 24015344 / 24015345
24015463 / 24016141

Dr. K. S. VARAPRASAD
Project Director



F.No.: HOS-CP/T/2013/
Date : 3 January, 2013

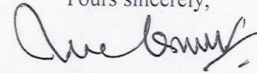
Sub: Hands - on Training on "Microbial Agents of Major Insect Pests and Diseases of Crops" - reg.

Dear Sir,

Greetings!

It is a pleasure to inform that the Crop Protection Section of this Directorate is organizing a hands-on training on "Microbial Agents of Major Insect Pests and Diseases of Crops" (11-20 March, 2013). The training programme is immensely useful to researchers, teachers and extension personnel working in the field of microbial agents in pest management. Details of the training programme are provided in the enclosed brochure. Please circulate and encourage participation from your organization.

Yours sincerely,


(K. S. Varaprasad)

To,

Director of Research,
Tamil Nadu Agricultural University,
Coimbatore-641003, Tamil Nadu

Application Form

Hands-on Training Programme on
"Microbial Agents of Major Insect Pests and Diseases
of Crops"

1. Full Name (in block letters)
2. Designation
3. Present Employer and address
4. Address for correspondence

Email :

Mobile:

5. Date of Birth

6. Sex: Male Female

7. Professional experience and area of working

8. Academic qualification

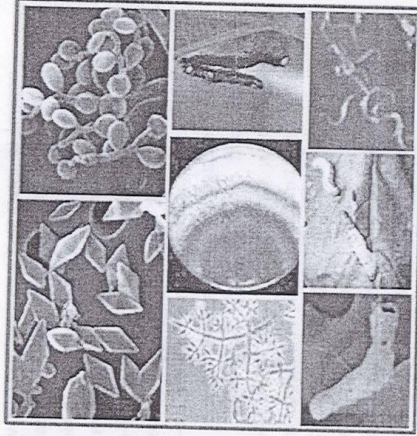
Degree	Subjects	Year of passing	University
B.Sc.			
M.Sc.			
Ph. D.			

Signature of the applicant

This is certified that the above furnished information is correct.

Recommendation of forwarding Authority

**Hands-on Training on
Microbial Agents of Major Insect
Pests and Diseases of Crops**
(11-20 March, 2013)



Course Directors
P S Vimala Devi
R D Prasad

Course Co-ordinators
P S Srinivas, P Duraimurugan, P Giribabu



Directorate of Oilseeds Research
(Indian Council of Agricultural Research)
Rajendranagar, Hyderabad - 500 030,
Andhra Pradesh, India

Last date for receipt of application is on or before
15 Feb, 2013

Applications should be addressed to

Dr. K. S. Varaprasad,
Project Director,
Directorate of Oilseeds Research,
Rajendranagar, Hyderabad-500 030, A.P.

Tel : (040) 24015222

Fax : (040) 24017969

Website : <http://www.dor-icar.org.in>

For further information contact

Dr. P. S. Vimala Devi
Principal Scientist, Entomology
Mobile: 9912636516
E-mail: vimaladevi@gmail.com

Dr. P.S. Srinivas
Senior Scientist, Entomology
Mobile: 8106118501
E-mail: psrinivas@dor-icar.org.in

Background

The approach to pest management has seen a significant change over the years from chemical control to integrated pest management with more emphasis currently being on bio-intensive pest management. This paradigm shift is due to the outcome of the research on eco-friendly pest management that was driven by the ill-effects of injudicious use of chemical pesticides on human health, food and environment. In the bio-intensive pest management, microbial agents play a significant role. With improved research techniques, unlike other biocontrol agents, it is possible to culture majority of them on media and formulate them for extended shelf life. This makes it possible to ensure continuous supply of these agents so that effective and environmentally safe pest management methods can be taken up by the farmers. It is in this context that expertise on exploitation, development and effective handling of the potential microbial agents gains importance. The Directorate of Oilseeds Research (DOR) has all the expertise and infrastructure in production, development and commercialization of potential microbial agents. It is a notified **referral laboratory** of Central Insecticides Board, GOI, for testing of bio-pesticides.

DOR is organizing a 10-day hands on training programme on various techniques pertaining to microbial agents like entomotoxic bacterium *Bacillus thuringiensis* (Bt), entomopathogenic

fungi like *Beauveria bassiana* and *Nomuraea rileyi* etc.; baculoviruses; entomopathogenic nematodes; antagonistic fungus, *Trichoderma* spp. and antagonistic bacterium *Pseudomonas* spp.

Training will be imparted on the following techniques:

- Isolation and identification
- Characterization through morphological and molecular techniques
- Maintenance and storage
- Fermentation and downstream processing
- Mass multiplication
- Formulation and quality testing

Lecture manual and related publications published by the Directorate will be provided to the trainees.

Selection

Only 20 candidates will be selected for the training on a first cum first serve basis.

Eligibility

Teachers, researchers and extension workers from ICAR institutes/SAUs/State Department of Agriculture/ KVKs/ other Universities and Private organizations having specialization in Entomology/ Plant Pathology/ Microbiology/ Nematology/ Zoology.

Fee

Training fee is ₹ 11,236/- (₹ 10,000 + 12.36% service tax) excluding boarding, lodging and travel. A demand draft drawn in favour of **ICAR Unit, DOR**, payable at SBH, Rajendranagar, and Hyderabad is to be enclosed along with the application form.

Boarding and lodging

Double bed shared accommodation is available at DOR hostel. The sponsoring institution shall bear all expenditure towards the boarding and lodging (Approx ₹ 400 per day).

How to reach

DOR is located in the Acharya NG Ranga Agricultural University campus at Rajendranagar. It is situated 20 km from RGI airport, 25 km from Secunderabad railway station, 12 km from Hyderabad railway station and 14 km from Central Bus Station. Buses ply from Koti, a central place in the city, on routes 95A and 95P to College of Agriculture, or 94H to Veterinary College which is half km from DOR. Private taxis and autos are available from different parts of the city.

Weather

A pleasant weather prevails during the month of March in Hyderabad and requires normal clothing.