

**10th National Symposium on
Biotechnological Approaches for Plant Protection:
Constraints and Opportunities**

PREAMBLE

Biotechnology is the commercial application of living organisms or their products which involves the deliberate manipulation of their DNA molecules. Combining DNA from different existing organisms resulted in modified organisms with a combination of traits from the parents. The sharing of DNA information take place naturally through sexual reproduction and in plants and animal breeding programmes for many years. Since 1972, scientists have been able to identify the specific DNA genes for many desirable traits. This process is called genetic engineering and the transfer of DNA is accomplished using either direct injection or the Agrobacterium, electroporation or particle gun transformation techniques. An organism modified by genetic engineering is called transgenic and is a normal plant with one or more additional genes from diverse sources. In recent years, cultivation of transgenic cotton in larger areas has resulted in increase of thrips incidence along with mosaic virus. The intensive agriculture especially the new high yielding genotypes has become susceptible to the pests and pathogens and their races already present in the country. The changing cropping patterns including cultivation of non-traditional area have resulted in a spurt of biotic stresses. It is not only new pest problem has emerged but the minor pests assumed the status of key pests. In the pursuit of faster economic growth, man has been exploiting the natural resources without any serious consideration of the ecological consequences.

The Society proposes to organize a **10th National Symposium** with the following theme topics.

- Biotechnological Approaches for Insects, Pathogens, Nematodes and Weeds Control.
- Transgenic Plants to manage Biotic Factors.
- Genetic Engineering in developing Resistant Plants for various Biotic Stresses.
- Biotechnological Options in IPM.
- Genomics and the next generation Genetics for Crop Protection and Production.
- Assessment of Plant Protection Technologies and their efficient use in Organic and Protected Agriculture.
- Interdisciplinary Approaches in Pest Management.
- Socio-economic awareness about IPM in farmers of Goa region.

ABSTRACT

Abstract of the papers related to theme areas of the symposium are invited for **Lead and Oral** presentations. Abstracts typed in single space of about 300 words including title, author, affiliation and email ID on A4 size as hard copy and through mail may kindly be forwarded to the National Organizing Secretary latest by January 05, 2013.

Accommodation: Delegates' accommodation will be arranged in different hotels/govt. guest house ranging between 600-3000/day for AC double bed and 400-1000 non AC double bed.

Tours: Post symposium tour (s) will be organized for delegates and accompanying persons for tourist spots details of tour package can be obtained from Local Organizing Secretary on arrival at Goa.

Important dates to be remembered

- January 05, 2013 : Last date for receipt of abstract
- January 12, 2013 : Acceptance of abstract
- January 15, 2013 : Receipt of accommodation/tour preference, travel plan

AWARDS

The Society of Plant Protection Sciences has also instituted the following awards for the outstanding researches in the field of Plant Protection:

- **SPPS Meritorious Scientist Award** (Age limit 45 years) A memento & citation + ₹ 3,000 in cash
- **SPPS Outstanding Scientist Award** (Age limit 55 years) A memento & citation + ₹ 5,000 in cash

Application for the above awards, on plain paper giving complete Curriculum vitae, not exceeding 400 words, A4 size pages with a summary of most significant contributions and a set of reprints of five most significant research papers could be submitted to **Dr. D. Prasad, National Organizing Secretary, NCIPM Library, I.A.R.I., New Delhi - 110 012** latest by 15th December, 2012. Candidates for the Awards should be **Life Member of the Society.**



- **SPPS Fellow:** The Society also decided to honour eminent scientist as "Fellow" in recognition of their significant contributions in the field of plant protection. Applications are invited on plain paper mentioning most significant contributions made by the applicant, not exceeding 400 words, A4 size pages along with fee of ₹ 1500/- either cash or DD in the name of General Secretary, SPPS, New Delhi on or before 15th December, 2012.
- **P.I. Industries Ltd.** Also agreed to give away awards to four plant protection scientists in the memory of late **Shri P.P. Singhal Ji**, Founder of the P.I. Industries, Udaipur. The awards will be given to the eminent scientists whose research work has cent on the problem of plant protection subjects like, Entomology, Plant Pathology, Nematology and Weed Science. The award carries a certificate, memento and ₹ 10,000/- in cash in each subject. Applications are invited for this award on plain paper giving full C.V. Not exceeding 10 A4 size pages with a summary of most significant contributions (not more than 2 pages) and a set of reprints should be submitted to Dr. D. Prasad, Society of Plant Protection Sciences, NCIPM, Lib., L.B.S. Centre, I.A.R.I., New Delhi 110 012 latest by 15th December 2012. Only Life Member can apply.
- **Late Shri Gyan Prakash Memorial Award 2012 (Age limit 60+ years):** A memento, citation and ₹ 25000/- in cash, sponsored by N.G.O. of Allahabad. This award is instituted to honour most senior, eminent scientist holding some managerial position in either SAU or Res. Instt. The candidate should have enough experience in Research, Teaching and Extension activities in his/her areas. Full biodata with 4 pages significant achievements may be submitted to National Organizing Secretary latest by 10th December 2012 to be judged by 5 members Judging committee.



Registration Fee

Members	₹ 3000.00	Farmers/Growers	₹ 1500.00
Non-members	₹ 4000.00	Corporate Members	₹ 5,000.00
Accompanying person	₹ 1500.00	*Students/JRF/SRF/RA have to produce	
*Students/JRF/SRF/RA	₹ 2000.00	proof from Guide/PI	

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For Accomodation, Arrival, Transport etc.

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on
Biotechnological Approaches for Plant Protection:
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REGISTRATION FORM

Name

Designation

Full Address

Tel.: (O)
(R)
(M)

e-mail

Accompanying person

I am interested to participate in the National Symposium and I would like to present a lead talk/Oral on the topic.....

Encl: DD/Cash for ₹

Date: Signature

**10th National Symposium
on**

**BIOTECHNOLOGICAL APPROACHES FOR PLANT PROTECTION:
CONSTRAINTS & OPPORTUNITIES**

27-29 January, 2013



Organised by:

**Indian Council of Agricultural Research
New Delhi - 110 114**

**ICAR Research Complex for Goa
Ela, Old Goa - 403 402**

and

**Society of Plant Protection Sciences
New Delhi -110 012**