

**National Symposium
on
Nematode Management: A challenge to Indian
Agriculture in the changing climate**

8-10 January, 2015

Organized by



**Nematological Society of India
New Delhi**



**Indian Council of Agricultural Research
New Delhi**

At

**Yashwantrao Chavan Academy of Development
Administration (YASHADA), Baner Road, PUNE**

Nematode Management: A challenge to Indian Agriculture in the changing climate

Nematodes are known to mankind since ancient times when they caused serious human diseases. Some of these nematodes were first described in the ancient Chinese scientific literature as early as 2700 B.C. Nematodes are an amazing group of animals, and are found in almost every imaginable habitat. They are noxious pests of agri-horticultural and forests crops/trees and pose a serious challenge in the changing climate. In the Indian context, the loss caused by the nematodes is predicted to be more than Rs. 2000Cr. Under the declining resources of land and water, newer systems of crop cultivation are coming up for resources conservation. It has been observed that nematode pests pose a serious challenge in some of these new systems of crop cultivation. There are instances when the crop failed and huge losses were incurred due to unnoticed nematode problems such as



root-knot nematode problem in polyhouse cultivation, fruit crops like guava, pomegranate under drip irrigation, and root-knot in paddy. Increase in international trade has increased the chances of entry of exotic pests into India, which requires stringent quarantine checks as never before. Pest risk analysis modules have to be in place across all the quarantine stations in the country. Nematodes can be a part of climate resilient agriculture. In order to improve nematode management in crops, newer and out of the box methods such as nano-technology should be used.

Nematode management is an uphill battle and it must be integrated into the crop production program. We the scientists are battling to conquer the disease caused by these tiny organism. It is easier for us to fight if we know the enemy. Awareness about nematode problems in crops is of prime importance. The good agricultural practices (GAP) can help us in combating nematodes provided nematodes find the due recognition in the crop cultivation system. Previous NSI symposium held during November 2013 was dedicated to beneficial and harmful aspects of nematodes. The proposed symposium would focus on the problems of nematological research in the changing climate.

Changing climate has caused innumerable modifications in nematode plant relations, which is complicating our understanding of nematode plant interactions. Engineered resistance is one of the most potential strategies in this direction. Genomics, transcriptomics and RNAi technology have provided us with new understanding. Therefore, nematode management would be viewed in a broader perspective through biosystematics, ecological factors and crop diversification. With this Symposium, NSI aims to bring the Indian researchers on a common platform to deliberate the researches and look for the way forward.



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Call for papers:

Abstract of papers are invited not exceeding 250 words for lead talk. For poster presentation abstract have word limit of 150 words. Abstract typed in 12 point font size in MS word may be sent by email (hksharma@iari.res.in; pankaj@iari.res.in) latest by **15-12-2014**. Not more than two papers as senior author will be accepted from one researcher. The size of the poster for the display should be 75x100cm, and is expected to briefly show the title, methodology, results, and conclusion with three tables and photographs. It should be clearly readable from the distance of at least 1m. The posters would be evaluated by panel of judges for best poster presentation awards.

Awards:

NSI Invite application from the eligible candidates for: **(Last date 25 November, 2014)**

Prof H M Shah Memorial award

Fellow Nematological Society of India

For Detail please visit the NSI website- www.nematology.in

Registration Fee:

Members (Life members/Annual)	Rs.4500/-
Non Members	Rs 5000/-
Students/ Research fellow	Rs 3000/-

All payment may be made in cash or DD in favor of “Organizing Secretary National Symposium” payable at New Delhi.

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Venue:

Yashwantrao Chavan Academy of Development Administration (YASHADA) Rajbhavan Complex, Baner Road, PUNE 411 007, Maharashtra, India

Yashwantrao Chavan Academy of Development Administration (YASHADA) is the Administrative Training Institute of the Government of Maharashtra, and meets the training needs of government departments and rural and urban non-officials and stakeholders. Human Resource Development has traditionally been one of Maharashtra's major strengths. The importance of evolving sound and responsive administrative systems was realized as far back as 1963 when the Administrative Staff College (ASC) was established in Mumbai. Pune has a hot semi-arid climate (BSh) bordering with tropical wet and dry (Aw) with average temperatures ranging between 20 to 28 °C.

The daytime temperature hovers around 28 °C while night temperature is below 10 °C for most of December and January, often dropping to 5 to 6 °C . The lowest temperature ever recorded was 1.7 °C (35 °F) on 17 January 1935. Pune is famous for Shaniwar Wada: Dagadusheth Halwai Ganapati Temple: Raja Dinkar Kelkar Museum: Saras Baug: Parvati Hill: Osho International Meditation Resort: Vishrambaug Wada.It was the first capital of the Maratha Empire under ChhatrapatiShivajiRajeBhosale. Pune is considered the cultural capital of Maharashtra.

National Conference
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8 - 10 JANUARY 2015
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