

**National Conference
on
Innovations in Nematological Research
For Agricultural Sustainability-
Challenges and A Roadmap Ahead”**

23 - 25 February, 2010
organized by



Nematological Society of India



Tamil Nadu Agricultural University



Indian Council of Agricultural Research

at

**Department of Nematology
Tamil Nadu Agricultural University
Coimbatore - 641046**

Nematodes, commonly called as round worms, eel worms or thread worms, are the most numerous multicellular organisms, occurring in diverse habitats, belonging to diverse trophic groups. In the Animal Kingdom, nematodes are placed between the Platyhelminthes and Annelida. Much of the nematode biodiversity is marine (50%), while 25 % are free-living, 15 % are parasites of vertebrates and invertebrates, and only 10 % are phytoparasites. Phytoparasitic nematodes damage the crops and cause severe yield losses all over the world.

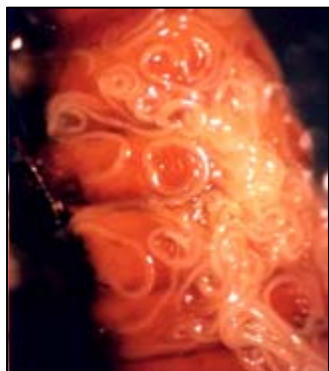


Amongst these, root-knot, cyst forming, reniform and lesion nematodes are the top-ranking economically important ones. In India, several hundred crore rupees are lost annually due to nematode diseases in cereals, vegetables, pulses, oilseeds, plantation crops and forest trees. Plant parasitic nematodes also inflict indirect crop damage by acting as aggravators or incitants for several pathogenic bacteria, fungi and viruses. Not all the nematodes are harmful, there are beneficial nematodes too. Entomopathogenic nematodes, belonging to the families Steinernematidae and Heterorhabditidae, along with their bacterial symbionts kill the insect hosts within 24-48 h, and these have emerged as excellent candidates for the biological control of several insect pests of crops, household and veterinary pests. Free-living nematodes may be algivorous, bacteriophagous, mycetophagous or predaceous, and are highly sensitive to any disturbance in the ecosystem. These nematodes play a vital role in the rhizosphere management by regulating the populations of other microorganisms including phytonematodes and contributing to soil health by nutrient mineralisation. Therefore, these are often considered as potential bio-indicators of soil health. Keeping in view the current challenges of global climatic changes, growing environmental concerns, pesticidal biomagnification and increasing demand for organic agro-products, there is need to undertake innovative nematological research and formulate strategies for the future for achieving agricultural sustainability.

Nematological Society of India aims to bring the nematologists of the country at a common forum at this National Conference to deliberate and review the new research developments in various fields of Nematology, at national and international levels. The conference will provide an ideal opportunity for the nematologists of the country to interact with each other through a series of technical / poster sessions.

Themes

- Nematode biodiversity and biosystematics
- Agriculturally harmful nematodes : crop damage and management strategies
- Biotechnological and molecular tools in Nematology
- Beneficial nematodes: their role in soil and crop health
- Teaching and extension in nematology
- Quarantine regulations and pest risk analysis



Venue: Coimbatore is located in the North Western end of Tamil Nadu at the foot hills of Western Ghats. Tamil Nadu Agricultural University campus is located at prime locality and easily accessible to Railway Station (4 km.), Central Bus Stand (4 km.) and Airport (13 km.).



In Coimbatore, there are several other leading agricultural research centres viz., Sugarcane Breeding Institute, Central Institute for Cotton Research (ICAR) and Vijay Nagaram Farm (TNAU), Ootacamund.

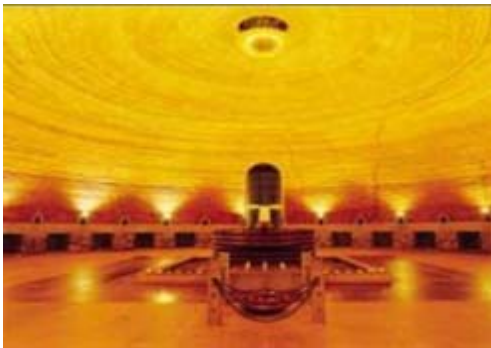


Coimbatore is famous for cotton textiles, hosiery, engineering Industries and educational pilgrim centres like Madurai (200 km.), Rameshwaram (350 km.) and Kanyakumari (475 km.), for which direct buses / trains are available.



Situated 67 kms away from Coimbatore, is the Wild Life Sanctuary with dense vegetation and climate suitable to attract a variety of wild animals.

The weather during the month of February will be pleasant and temperature will be 20-29° C.



Accommodation: Attempts will be made to accommodate the delegates in the University Guest Houses and Hostels as far as possible, or in nearby Hotels, if needed. The delegates are requested to send their requisitions directly to Dr. E.I. Jonathan, Director, Centre for Plant Protection Studies, TNAU, Coimbatore (Email: eijonathan@yahoo.com) or Dr. M. Sivakumar, Professor & Head, Department of Nematology, TNAU, Coimbatore-641046 (Email: siva_nem@yahoo.co.uk), latest by 11th January, 2010.

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Research For Agricultural Sustainability - Challenges and A
Roadmap Ahead”
23 - 25 February, 2010
Coimbatore - 641046**

Name : _____
Designation : _____
Organization : _____
Postal Address : _____

Tel (O) : _____ @: _____

E – mail : _____

**I am interested in participating in the National Conference. I would like to present
lead talk / poster on (Title):**

(1)
.....
.....

(2)
.....
.....

Registration category:

Member **Non-Member** **Student**

Duration of stay _____ days

Registration fee: _____

Bank Draft No.: _____

Drawn on bank (name of bank): _____

Name:

Dated:

Signature

**Bank Draft in favour of National Organising Secretary, National Nematology
Conference, Payable at New Delhi.**

**For more details, please visit NSI website: www.nemaindia.com or contact National
Organising Secretary, National Nematology Conference, Division of
Nematology, IARI, New Delhi-110012 Tel.: 01125846626 / 25842721 /
9868066021.**

Patrons

Dr. Mangala Rai, DG (ICAR) & Secretary, DARE

Dr. P. Murugesu Boopathi, Vice Chancellor, TANU, Coimbatore

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Call for Papers: Abstracts of papers are invited not exceeding 250 words for oral/poster presentations. The abstracts typed in 10 points (12 point for titles) Arial Font in MS-Word, in duplicate, along with copies on CD or DVD, latest by 11 January, 2010. It may not be possible to print the abstracts received thereafter. Not more than two abstracts as senior author will be accepted. The size of the poster for display should be 75 cm x 100 cm, briefly showing the title, methodology, important results, bulleted summary and not more than three short tables /figures /photographs. It should be clearly readable from a distance of atleast one meter. The posters will be adjudged by a panel of judges for the Best Poster Presentation award.

Awards/ Honours:

NSI invites applications from eligible candidates for

- i) Prof. D.J. Raski Merit Award (Last Date:11.1.2010)
- ii) Prof. H. M Shah Memorial Award (Last Date:31.12.2009)
- iii) Fellows- Nematological Society of India (11.1.2010)

For details, please visit the NSI website-www.nemaindia.com

Registration Fee:

| | | |
|------------------------|---|-------------|
| Member (Life / Annual) | : | Rs. 2000/- |
| Non-members | : | Rs. 3000/- |
| Students | : | Rs. 1000/ - |

A pre- registration fee of Rs 500/- (non-refundable but adjustable in the Registration Fee) is to be paid along with the Abstracts before 11th January, 2010. All Payments may be made in cash or DD in favour of **National Organising Secretary, National Nematology Conference**, payable at **New Delhi**.

Contact:

National Organizing Secretary & Convener : Dr. (Ms.) Sudershan Ganguly

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