



INTERNATIONAL SEMINAR ON TRANSBOUNDARY PEST MANAGEMENT (ISTPM 2020)

MARCH 4 – 5, 2020, Coimbatore, Tamil Nadu, India



Jointly organised by
TAMIL NADU AGRICULTURAL UNIVERSITY

.... Leading agro-technology provider in India

&

ENTOMOLOGICAL SOCIETY OF INDIA, New Delhi

Home to disseminate entomological knowledge in India



About ISTPM 2020

Invasive species constitute one of the most serious economic, social and environmental threats of 21st century. Nearly every terrestrial, wetland, and aquatic ecosystems in all continents are invaded by the exotic pest species, causing huge economic losses and social disturbances. It has created far reaching challenges for the scientific community and policy makers.

Recently in India and other parts of the world, there have been frequent invasions by insects, mites and vectors of plant diseases. It is increasingly felt that introducing unwanted species can affect the ecosystem health and productivity of natural and managed systems in India and management of them is a prioritized item in the present day setting.

Preventing the introduction of potentially important invasive species by far has been the preferred strategy. There needs to be concerted efforts in management of the invasive species based on scientific understanding and judicious selection of methods. Integrated efforts involving mechanical, biological, chemical and other methods are considered appropriate. Many challenges continue to exist in the management options. This International Seminar would bring together international and national players and address the key issues dominating the invasive pests today.

The Entomological Society of India (ESI) and Tamil Nadu Agricultural University (TNAU) are in a lead to address the threats posed by invasive pests and related diseases through a range of efforts, such as providing inclusive information on invasive pests of India and other countries, encouraging adoption and implementation of integrated pest management (IPM) techniques, facilitating farmers and other stakeholders to make environment friendly pest management decisions, coordinating efforts at the national and international level and maintaining real-time information on invasive pests and investing in research to develop trade mechanisms that reduce risk of invasive pest entry.



Important dates & deadlines

Registration opens : **January 28, 2020**

Registration closes : **February 17, 2020**

Abstract submission opens : **January 28, 2020**

Abstract submission closes : **February 17, 2020**

Intimation regarding Oral/Poster presentation : **February 20, 2020**

Themes

1. Biodiversity and Biosystematics of Invasive pests - Survey, forecast, taxonomy and molecular techniques
2. Invasive Pests - Storage and Quarantine
3. Invasive Pests – Special reference to Biological Control
4. Integrated Pest Management for Invasive Pests
5. Invasive Pests- Biotechnology / Nanotechnology Approaches
6. Invasive Pests other than Insects
7. Invasive Pests as Vectors

Official letter of invitation

An official letter of invitation will be provided upon request. However, the invitation letter does not promise any financial support.

VISA

International delegates must have valid passport and visa. They are requested to apply for valid visa well in advance as per government rules.

More information regarding rules and procedures can be obtained from the website <http://indianvisaonline.gov.in/visa>

An invitation letter for the purpose will be issued on request for “international seminar visa”.

Structure of the International Seminar

There will be invited talks on the focal themes by international and national lead scientists. In addition, contributed papers for oral and poster presentation in all the thematic areas are planned. Selected research papers will be published in the special issue of the Indian Journal of Entomology.

Call for research papers for oral and poster presentation

Participants have to send their abstract of original research work on the above themes not exceeding 250 words. Abstract should be typed in Times New Roman with title (font 14 bold), authors and their affiliation (font 12 bold), and email address of the corresponding author (font 11) in A4 size paper along with a soft copy by email. The name of the presenting author should be underlined and name of the corresponding author to be indicated with an asterisk (*). Each participant can submit only two abstracts as first author. The Organizing Committee reserves the right to select quality abstracts for presentation in oral session in each thematic area. However, remaining abstracts will be considered for poster sessions planned to organize simultaneously. Authors will be informed about the type of presentation (oral or poster).

Poster guidelines

- ◆ Poster should be brief, self explanatory and informative with text, figure, table, conclusion and references.
- ◆ The size of the poster should not be more than 90 cm x 120 cm (width x height) in portrait/vertical format. Presenters may also prepare separate handouts.
- ◆ The poster presenter should register and wear ISTPM 2020 Registration Badge to gain admittance at any time to the poster areas.
- ◆ All poster boards will be pre-numbered. Please be certain to mount your poster on the correct board. All posters will be allotted with a poster number in final program.

Oral presentation guidelines

- ◆ All speakers have to maintain their presentation timings strictly.
- ◆ The auto timer will be operational for all presentations to finish before the allotted in time and to allow some time for discussion.
- ◆ Personal laptops are not allowed for presentation.
- ◆ Speakers must speak at the rate of one slide per minute. Hence, 8-10 slides for the 10 minutes presentation, 12-15 slides for 15 minutes presentation and 18-20 slides for 20 minutes presentation are permitted.
- ◆ Follow eight lines in a slide and not more than eight words in a line. Use a clear font like Arial or Helvetica and with reasonable size of 24 to 28 points.
- ◆ Presenters are required to submit an electronic version of their talk well in advance for reviewing, scanning for viruses and pre-loaded onto the appropriate computers in the session rooms.
- ◆ Those who are absent at the specified time will be rejected and no separate timing shall be allotted.

Prizes and Recognition

Best oral and poster presentation awards and memento for all thematic areas will be declared to the impressive young researchers

Registration

Registration is mandatory for the oral or poster presenting author. Registration can be done by filling the Seminar registration form along with the registration fee as detailed in the brochure either through DD drawn in favour of "Organizing Secretary, ISTPM 2020" or by online payment through NEFT/Internet/Mobile Banking to the below mentioned Bank details latest by February 17, 2020.

Account Name	: Organizing Secretary ISTPM 2020
Bank	: State Bank of India
Branch	: TNAU Branch
Account Number	: 39063112613
IFSC Code	: SBIN0002274
MICR Code	: 641002005

The registration form, registration fee remittance details, abstracts and other correspondences should be sent to the Organizing Secretary (istpm2020@gmail.com)

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Please note that the Registration fee is non-refundable. Organizers will not be responsible for any mailers or information delivery failure in case the registration form is not duly filled.

Registration fee includes the admission to technical sessions, poster sessions and exhibition; refreshments during tea breaks, welcome reception, registration materials and kit

Registration fee

Category	Registration (Before 17th Feb.2020)	On the Spot Registration
Indian Delegates	Rs. 3000	Rs. 4000
Research Fellows	Rs. 2000	Rs. 3000
Indian Students	Rs. 1000	Rs. 1500
Foreign Students / Delegates	\$ 100	\$ 200

Registration form

Name	Designation :
Address	Pincode :
Phone / Mobile	Fax
Email	
Preferred mode of presentation	<input type="checkbox"/> Oral <input type="checkbox"/> Poster
Title of the Presentation	
Theme Area	
Registration Fee	(Rupees
Demand Draft No.	DD Date
Drawn at	
Electronic payment transaction ID	
Bank details	Date
Accommodation required	Yes / No

Date :

Signature

Accommodation and transport

Limited accommodation is available in University guest houses, teachers hostels and KVK hostels for delegates and students at nominal charges of the University on first come first serve basis. On special request, accommodation for other delegates will be arranged in nearby hotels in the negotiated rates in advance booking on payment basis. The delegates are requested to make their own travel arrangements from Airport / railway station/Central bus stand to their hotels / hostels. The transportation facilities are however available to all the delegates from hotels / hostels to the Seminar venue. Please contact the following scientists for accommodation (Dr. M. Murugan, Professor, Ph : 8220006226 and Dr. K. Bhuvaneswari, Professor, Ph : 9944050779) and travel and local logistics (Dr. V. Balasubramani, Professor, Ph: 9751507200 and Dr. S. Jeyarani, Professor, Ph: 9790017538).

About Tamil Nadu Agricultural University, Coimbatore, India

TNAU, the premier institution started in 1971 is leading the way for excellence in agriculture. TNAU, the leading agro-technology provider is located in Coimbatore, Tamil Nadu, India. The University strives towards the missions such as maintaining excellence in agricultural education through nine undergraduate, 40 post graduate and 26 doctoral programmes in 14 constituent and 27 affiliated colleges; developing agro-technologies through sustained research in crop improvement, management and protection, and allied sciences in 38 research centres and technology transfer to stake holders via 14 ICAR- Krishi Vigyan Kendras; transforming into a world- class university by collaboration in agricultural education, research, policy interfacing and outreach with national and international institutions; and ensuring food, nutrition and livelihood security of people through sustainable agriculture.

TNAU has helped the State of Tamil Nadu to augment and achieve its food grain production of more than 120 lakh tons regardless of vagaries of monsoon and changing scenarios in agriculture. TNAU currently ranks 17th among universities as per National Institutional Ranking Framework (NIRF) of Ministry of Human Resource Development (MHRD). Government of India ranked TNAU as the second among the State Agricultural Universities in India. Moreover TNAU figured 68th and 44th position in "Overall" and "Universities" categories. In the recent QS BRICS University Rankings (2018), TNAU is positioned at 105th rank featuring in 300 top universities from the region.

About the Department of Agricultural Entomology, TNAU, Coimbatore, India

The Department has been a content creator and the expertise has been best utilized by the higher level education bodies in the country in the national stream. It is offering courses for various degree programmes both at undergraduate and postgraduate levels aligned with the academia and industry needs. The student strength at post graduate level of this Department has remained high with diversity in view of the availability of core teaching and research group and advanced facilities in the Department. The Department is partnering with ICAR under various AIRCRP and AINP programmes. Several inter-institutional collaborations and Chairs of Excellence sponsored by the Industries are functioning in the Department.

The Department has established a multidimensional Insect Museum, a state of the art facility in the country during 2018. It is exclusively devoted to the world of insects, catering to the needs of the students, researchers and general public, voluntary and other organizations in the country. The museum covers the whole world of insects and has attracted more than 41,000 visitors since it was opened for public viewing on 06.12.2018. The Department is instrumental in human resource development in the country from 1995 onwards. Earlier it was functioning under the banner Centre of Advanced Studies in Entomology. Since, 2013, it is designated as Centre of Advanced Faculty Training. The Department has conducted 40 training for the Scientists of the country belonging ICAR, SAUs and other research organizations. More than 700 participants have received advanced level of training in the wing.



Since inception in 1912, this Department has been addressing the key constraints in crop production, productivity and value enhancement in farm produces. Initially the Department was focusing on pestiferous insects and those causing troubles to animals and structures. The priorities and actions in pest management approaches in the past one decade against the insect pests and vectors included judicious integration of tactics for sustainable crop protection and increased



opportunities for delivery of quality produce in the value chain. Emphasis was given for biocontrol agents and biopesticides use in crop protection as they are ecologically safe and environmentally beneficial. The Department has taken biodiversity issues in the present agriculture settings in different parts of the state and enumerating species diversity, richness, critical and limiting factors affecting the evenness. Chemical insecticides with unique modes of action, short persistence, zero tolerance on nontarget effects are mostly preferred in insect pest management programmes by this Department. Our efforts in research have yielded newer methods and environmentally safe products against so many native pests.

Of late, there has been increased level of incursions by invasive insects. Through concerted efforts of the Scientists of this Department, management of the invasive pests have been taken up in a coordinated manner involving the Line Departments. Significant interventions in management have been made against the coconut eriophyid mite, *Aceria guerreronis*, the coffee berry borer, *Hypothenemus hampei*, sugarcane woolly aphid, *Ceratovacuna lanigera*, the papaya mealybug, *Paracoccus marginatus*, the coconut Rugose spiralling whitefly, *Aleurodicus rugioperculatus*, and the maize fall armyworm, *Spodoptera frugiperda*.



About Coimbatore, India

Occupying 642 square kilometers (248 sq. miles), Coimbatore has a population of about 1.06 million and making it the second most populous city and third most populous urban agglomeration in India. At an average altitude of 411 meters MSL much of Coimbatore is situated on plain terrain around artificial lakes. The National Agricultural Research Institutes such as Sugarcane Breeding Institute, Regional Centre for Central Institute for Cotton Research and Institute of Forest Genetics and Tree Breeding are situated in Coimbatore. The "Manchester of South India", Coimbatore is a fashionable city in the south Indian state of Tamil Nadu. It is a major hub for agriculture, industry and manufacturing along with several tourist destinations. There are many places from ancient temples (Maruthamalai Murugan and Perur Pateeswarar temple) to jaw-dropping waterfalls (Siruvani, Kovai Kutralam and Vydehi Falls) to let go in between. A massive 112 feet tall statue of Lord Shiva, known as the Adiyogi Shiva Statue is the recent land mark of architectural master piece created, which is featured in the Guinness Book of World Records. Coimbatore has everything you could possibly need to make for a perfect holiday experience. The local language is "Tamil", as the residents of Coimbatore are predominantly Tamil speaking people. However, all the local vendors and cab drivers are in general fluent in English.



Reaching Coimbatore, India

Coimbatore is in the western part of Tamil Nadu, India. Coimbatore is well connected by road, rail and air with all the major cities of India. TNAU is about 15 km from Coimbatore International Airport, 5 km from Coimbatore Railway Station, 5 km from Gandhipuram Central Bus stand. All the popular rental taxi services are readily available on hire from each disembarking point to TNAU.

**Scan for
Location**





About Entomological Society of India, New Delhi

ESI is home to dissemination of entomological knowledge in India and abroad. The ESI was founded in 1938 as a registered society under the Societies Registration Act 1957 as extended to the Union territory of Delhi under Registration No. S. 2434 of 1963-64 dt 12.3.1964. It is registered with NITI Aayog under the unique ID of VO/NGO-DL/2016/0104219. ESI is one of the largest professional societies in India serving Entomologists and researchers in related disciplines. The Society publishes the Indian Journal of Entomology, Bulletin of Entomology and Journal of Grain Storage that have wide circulation and scientific commitment. It organizes Seminars, Symposia and Workshops, partnering with renowned organizations and academic institutions on important areas affecting crop production.

It arranges interactions of entomologists at the headquarters and at various places in the country. The annual general body meetings are held along with the meetings of the Indian Science Congress. These interactions provide opportunities to the members and others interested in the subject to keep in touch with the entomological activities, both in India and abroad.

Patrons

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Dr. B.S. Dhillon, Vice Chancellor, PAU, Ludhiana

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For Travels :

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Dr. S. Jeyarani : 9790017538