



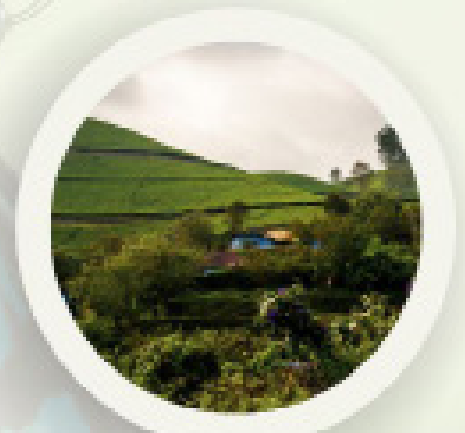
Diamond Jubilee of Entomology Research Institute (ERI)

Loyola College, Chennai 600 034

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International Conference on
Recent Advances in Agricultural
and Industrial Entomology and
Environmental Sciences and
their impact on Food and
Environment Security

September 29th - 30th
2023



Jointly organized by

**Entomology Research
Institute (ERI)**

Loyola College
Chennai - 600 034
Tamil Nadu, India

**Dr B. Vasantharaj David
Foundation**

Madanandapuram
Chennai - 600 125
Tamil Nadu, India

Loyola College

Loyola College, a Catholic Minority Institution, was founded in Chennai by the Society of Jesus (Jesuits) in 1925, with the primary objective of educating young men and women to serve People and Nature in Justice, Truth and Love. Loyola College is affiliated to University of Madras. UGC has elevated Loyola College to the status of “College of Excellence”. Loyola is ranked 3rd Top College in India by NIRF in 2021. Chennai is a metropolitan city and capital for Tamil Nadu state in India.

Entomology Research Institute (ERI)

Entomology Research Institute, situated at Loyola College in Chennai, is one of India’s leading centres of excellence. ERI was founded in 1963 by T. N. Ananthkrishnan, a well-known Indian entomologist, with the goal of increasing insect science research for better agricultural productivity and a safer human environment. Through applied research, publications, and outreach efforts in the realms of environment, sustainable agriculture, and human welfare, ERI is always striving to make a positive contribution to humanity. Biodiversity, Biopesticides, Biocontrol, Genetic engineering, and Molecular Biology are among the areas wherein ERI conducts research. It is ranked as India’s 8th best private institution in terms of research output, based on its remarkable research contributions. It works by developing alternative eco friendly insect management technologies and training children and farmers to be agents of insect biodiversity conservation, environmental preservation, and sustainable agriculture.

Dr Vasantharaj David Foundation

Ms.Namrutha David, daughter of Dr David registered the Trust deed of “Dr. B. Vasantharaj David Foundation” on 12th June 2019. The motto of the foundation is “Promoting Science and Green Environment” with main objectives of the trust being to honor Indian scientists and research scholars in the fields of agriculture/toxicology/pharmaceutical/environmental sciences in a scientific conference organized by the foundation and to promote and encourage teaching, research and training in the fields of agriculture/toxicology, etc. and to provide scholarship and institute endowments for advancement of the same. Provide assistance in the publication of books by lending the support of Namrutha Publications, a publication house of the Managing Trustee The Dr. B. Vasantharaj David Foundation was inaugurated on 17th November 2019 and conducted a National Conference on “Trends in Higher Education, Taxonomy, Agriculture, Biotechnology and Toxicology” at Hotel Vijay Park, Chennai.

Theme of the conference

Insects comprise about 9,26,400 known species and largest group of organisms. Most insects are beneficial to humans and the environment. Without insects, the environment could not function well. About 80% of the flowering plants on earth are pollinated by insects. They are also responsible for much of the nutrient cycling, conditioning and aeration of the soil. Insects are excellent indicators of the health of ecosystem. FAO estimates that annually between 20 to 40% of global crop production are lost to pests.

Aim of the conference

This International conference focuses on bringing global entomologists together including research scholars from leading academic institutes and research organizations to exchange and share their research experiences in the major theme areas of insect science.

Objectives

- To cover insect taxonomy and biodiversity, trophic level interactions and insect population dynamics, natural and applied/ biocontrol, insect behavioral and chemical ecology interface, crop and habitat associations, agrotech practices like push-pull approaches, besides beneficial and commercial insects.
- To provide an interdisciplinary forum for researchers, academics, industries and other relevant stakeholders to present and discuss more recent entomological innovations, trends, and challenges encountered and potential future R&D thrusts towards filling in critical knowledge gaps in insect science.

Focus areas

- Insect taxonomy and ecosystem biodiversity
- Beneficial insects in ecosystem services
- Productive (commercial) insects
- Mass-reared insects in applied biological control
- Crop associations and habitat management
- Classical/alternative biological control for invasive insects
- Botanical sources as biopesticides
- Microbial biopesticides for insect control
- Semio-chemicals and chemical ecology
- Alternative bio-intensive control options
- Climate change linked insect management

Language

The official language of the conference is English.

Resource Persons

Resource Persons will include Top Invited Entomologists from Universities, Colleges and Research Institutions at the International and National levels.

Duration and Venue

The two-day International Conference will be held in Rapinat Auditorium, Entomology Research Institute, Loyola College on 29th and 30th, September 2023.

Participants and Accommodation

Participants to make their own travel and stay arrangements. For accommodation please contact Director, ERI, email ID. Accommodation details to be looked into.

Registration Fee

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|------------------------------|------------|
| Scientists/Research Scholars | Rs. 5000/- |
| Accompanying persons | Rs. 2000/- |

The registration fee includes entrance to the conference, conference kits, refreshments, lunch for two days. We will also

Mode of Payment

- All payments should accompany duly filled in registration form with all details. Payment can be through online bank transfer using NEFT.
- Online payment receipt screenshot with date along with the registration form may be sent by post or as scanned copy by email (bioevent@loyolacollege.edu; davidfoundation2019@gmail.com)

Account details

| | |
|------------------------|--|
| Account Name | : Dr. B. Vasantharaj David Foundation |
| Current A/c no. | : 6783686265 |
| Bank Name | : Indian Bank |
| Branch Name | : Mugalivakkam Branch |
| Branch Code | : 00C125 |
| IFSC Code | : IDIB000C125 |

Abstracts for Oral and Poster Presentations

Eligible candidates may submit the abstract of their paper. mention key words along with corresponding author email.

- Title, author/s (not more than 3), along with affiliation and email Id,
- Abstract not exceeding a page along with filled in application and registration fee details.
- No hard copy is required.

Full-length papers

- To include abstract, materials and methods, results and discussion, conclusions and references
- Size-limited to 8 typed pages in double space, including illustrations-Tables/Graphs
- Send as Word file (.doc or .docx)
- Font (Times New Roman) and size 12 maximum
- References citation according to Indian Journal of Entomology style
E.g. Khandelwal P, Choudhury D, Ajanta B, Reddy M K, Gupta G P, Banerjee N. 2004. Insecticidal pilin subunit from the insect pathogen *Xenorhabdus nematophila*. Journal of Bacteriology 186(19): 6465-6476.

Oral Presentations

Oral presentation limited to 50 for Young Scientists and Research Scholars and 50 for Senior Scientists. Each presenter will be given 7 minutes for oral presentation and 3 minutes for discussion. The presenter is expected to bring his/her presentation on a USB memory stick in recommended format (PPT) and upload in the session room computer prior 15 minutes of his/her session starts. **Selected based on first come first serve basis.**

Poster Presentations

We also invite abstracts for poster presentation. The posters will be displayed on board 120 (height) x 90 (width) cm. During the poster session, a committee appointed by the organizers will judge all posters.

Key Dates

| | |
|---|-------------------------------|
| Registration commences | 31 st May, 2023 |
| Submission of Abstract | 15 th June, 2023 |
| Last date of submission of registration form, abstracts and full length manuscripts | 31 st July, 2023 |
| Manuscript submission | 31 st August, 2023 |

Awards

Oral Presentations awards: Papers are invited from research scholars/young scientists (below 40 years) and senior scientists (above 40 years) under the categories; Agricultural entomology, Industrial entomology, and Environmental sciences. In each category, three awards will be made each for young scientists/research scholars and senior scientists.

Poster Presentation awards: Participation for poster presentation awards under the above three categories are invited from all scientists irrespective of research scholars, young and senior scientists. Three awards in each category will be given.

Dr B. Vasantharaj David Foundation Excellence Awards - 2023: Interested persons may contact davidfoundation2019@gmail.com for details.

Patrons

Rev. Dr Jebamalai Irudayaraj SJ

Provincial, Chennai Jesuit Province, Loyola Campus, Tamil Nadu, India

Rev. Dr Francis P. Xavier SJ

Rector, Loyola Institutions, Tamil Nadu, India

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*Director
ERI, Loyola College
Chennai, Tamil Nadu, India*

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*Secretary cum Treasurer
Dr B. Vasantharaj David Foundation
Chennai, Tamil Nadu, India*

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Dr V. Duraipandiyan, Scientist

Dr K. Sivasankaran, Scientist

Dr B. Joseph Devadass, Scientist

Dr Melvin A. Daniel, Scientist



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