



National Virtual Conference on

Technological Advancements in Crop Protection – 2022

**October 7th and 8th, 2022
Organized by**

**School of Agricultural Innovations & Advanced
Learning (VAIAL)
Vellore Institute of Technology
Vellore-632014, Tamil Nadu, India.**



Organizing Secretaries

**Dr Lincy Benjamin
Dr Priyadharshini, B**

About VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from all the states of India and more than 50 different countries because of its academic excellence. More than 250 MoUs with top ranked universities across the globe have been signed and are active. VIT was awarded 1st position among private institutions in India for Innovation (ARIIA 2019 Award) by Govt. of India, as recognition for its excellence in nurturing research innovations and entrepreneurship in young minds. VIT is the first and only in India to get 4 star rating from QS, the world universities ranking organisation. VIT has consistently received “A” grade in the past three cycles of NAAC accreditation.

In addition, VIT also has received the coveted ABET accreditation, which is widely recognized throughout the world. VIT, which is consistently placed among the best institutions of the country, aspires to become one of the best universities in the world. VIT has introduced many innovations in academic processes which adds value to every student. FFCS (Fully Flexible Credit System) for better learning, fully digitized academic portals that assists students in equipping themselves for 2020 market place, Hackathons / Makethons as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers, 8th module in every subject being handled by industry experts, making the students contextualize the concepts they study in the class room, are a few of the innovations that VIT has introduced.

About VAIAL

VIT School of Agricultural Innovations and Advanced Learning (VAIAL) is engaged in Agricultural education, research and extension. Core activities of the school revolves around teaching and training of students, organizing farmers training programmes, outreach and field programmes for the farmers as well as research in agricultural and allied sectors. Integrated and self-sustainable organic farming is the main focus of the School. The School has facilities for teaching, research and extension activities in agriculture. The School also has reasonable number of farm staff to monitor and execute day-to-day farm activities. Crops such as rice, vegetables, pulses, coconut, millets etc. are grown in the farm and are marketed to the VIT faculty, staff and students at a reasonable cost on regular basis.

About Conference

National Conference on Technological Advancements in Crop Protection will focus on recent advances in protection of plants against pests and pathogens. The conference will address the research challenges mainly in the field of Entomology and Plant Pathology. Furthermore, it will also provide an opportunity for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of plant protection. The conference will feature concurrent sessions and plenary sessions. The conference also include “Agri Idea Contest” competition for UG students. Innovative ideas and solutions will be rewarded with attractive cash prizes.

Thematic Areas

- Recent techniques in detection and diagnosis of pest and diseases
- Biotechnology and nanotechnology approaches on pest management
- Integrated pest and disease management
- Advancements in bio pesticides and microbial pesticides on pest and disease management
- Technology for postharvest diseases and storage pest management
- Host plant resistance for biotic stress management
- Host- Pathogen interaction
- Mycotechnology- medicinal mushrooms

Abstract Submission

Original contributions are invited related to any of the theme areas listed above for presentation in the Conference through email (tacpvit2022@gmail.com) in MS word format - Font "Times New Roman", size "12" with line spacing "1.5" and abstract should not exceed 300 words.

While submitting the abstract mention the scientific theme in which you wish to make the oral/poster presentation. E-certificate will be provided to all the registered participants.

Key Dates

Abstract Submission: September 30, 2022
Abstract Acceptance: October 03, 2022
Last date for Registration: October 5, 2022
Registration Link:
<https://forms.gle/gqnp9nR8xXe2Sbv7>

Keynote Speakers

Dr Shanthi M, Director CPPS
Tamil Nadu Agricultural University
“Innovative approaches in plant protection research”

Dr J.S. Kennedy, Professor & Nodal officer
Tamil Nadu Agricultural University
“Functional significance of endosymbiotic gut bacteria in insects”

Dr. Balachander M., Senior Scientist
Gaiagen Technologies Pvt. Ltd. (Formerly PCI).
“IPM technology development, distribution, and adoption - Addressing public and private perspectives on sustainable farming”

Dr. C.A. Jayaprakash, Principal Scientist
ICAR-Central Tuber Crops Research Institute
“Insecticidal potential of plant derived cyanogenic glycosides in insect pest management strategies of horticultural crops”

Dr R Selvarajan, Principal Scientist
ICAR-National Research Centre for Banana, Tiruchirapalli
“Molecular and AI-based detection of diseases of horticultural crops”

Dr Darshan K, Scientist
ICFRE-Tropical Forest Research Institute
“Forest Pathology: Current trends and future prospects”

Dr Bharani Deepan A, Field scientist
M/s. Corteva Agriscience India, Pvt. Ltd.
“Recent development and changes in pesticide usage towards safer chemistries”

Organizing Committee

Chief Patron

Dr. G Viswanathan, Chancellor, VIT

Patrons

Mr. Sankar Viswanathan, Vice president.
Dr. Sekar Viswanathan, Vice president.
Mr. G V Selvam, Vice president.
Ms. Kadhambari S. Viswanathan, Asst. Vice president.

Co-Patrons

Dr. Rambabu Kodali, Vice Chancellor
Dr. S Narayanan, Pro-Vice Chancellor.
Dr. T Jayabharathi, Registrar

Chairperson

Dr. S. Babu, Dean VAIAL

Co-organizing Secretaries

Dr. Vidya R
Dr. Kariyanna B Desai

Co-Organizers

Dr. G. Kalaichelvan
Dr. A. Sathivelu
Dr. P. Deepa Sankar
Dr. M.A. Arabi Mohammed Saleh
Dr. S. Saravanan
Dr. Sowbiya Muneer
Dr. T. Parthasarathi
Dr. M. Annie Jenifer
Dr. Utpal Das
Dr. K. Mohanraj

Contact:

Phone :+91 416 220 4221

Email:lincy.b@vit.ac.in



AGRI IDEA CONTEST - 2022

Problem statements

(Entomology/Pathology)

1. Automation in Pest and Disease management
2. Nanotechnology in crop protection
3. New value added/canned product of edible mushrooms
4. Technologies for apiary in tribal areas
5. Novel formulations of Bio-pesticides / Biocontrol agents
6. Entomo- remediation
7. Biotechnological approaches in improving natural enemies
8. Medicinal mushrooms

Selected ideas will be rewarded with attractive cash prizes



Competition regulations

- Submit an one-page write up with the plagiarism report
- Similarly of more than 10% in plagiarism check will not be accepted
- Team shall have a maximum of three members
- Make a PowerPoint presentation with a maximum of 15 slides
- As part of the conference shortlisted ideas will be invited for online presentation

open for Agri UG students only