

CONFERENCE PATRONS



Dr. V. Geethalakshmi Ph.D.,
Vice Chancellor,
TNAU, Coimbatore.



Dr. N. Venkatesa Palanichamy, Ph.D.,
Dean,
AC&RI, TNAU, Coimbatore



Dr. R. Selvarajan, Ph.D.,
Director
NRCB, Trichy



Dr. P.P. Mahendran Ph.D.,
Dean,
Agricultural College & Research Institute
Madurai, Tamil Nadu Agricultural University



Dr. S. Nakkeeran, Ph.D.,
Dean,
AC & RI, Kudumiyamalai,
Tamil Nadu Agricultural University



Dr. J. Rajangam, Ph.D.,
Dean,
HC & RI, Periyakulam,
Tamil Nadu Agricultural University



Dr. R. Rajkumar, Ph.D.,
Principal Scientist, (MSSRF)
Pudukkottai



Dr. K. RETHINAM
CHAIRMAN OF PCAS
CEO OF GTN ARTS COLLEGE - DINDIGUL



Dr. R. Durai, S.E. M.B.A. Ph.D.,
Director, Pushkaram College of
Agriculture Sciences

11th NATIONAL CONFERENCE ON FEEDING THE FUTURE: TRANSFORMING AGRICULTURE WITH CLIMATE-SMART TECHNOLOGIES

Date : 25th April 2025 Friday Venue : Bharat Ratna Dr.C.Subramaniam Block

Organized by

ICAR

**NRCB - NATIONAL RESEARCH CENTRE FOR BANANA - TRICHY
PUSHKARAM COLLEGE OF AGRICULTURE SCIENCES - PUDUKKOTTAI**

Accredited by Indian Council of Agricultural Research (ICAR)

Jointly Organized by

CENTRE FOR SCIENCE TECHNOLOGY AND DEVELOPMENT STUDIES (CESTADS)

About the PCAS

The PCAS is located on the main road from Pudukkottai, via Alangudi. Established in the year 2016, Pushkaram College of Agriculture Sciences is Accredited by Indian Council of Agricultural Research (ICAR) and affiliated to the Tamil Nadu Agricultural University (TNAU), Coimbatore. It is situated at Thiruvarangulam, Pudukkottai, adjacent to NPRC, TNAU and KVK at Vamban. The fertile and ever green PCAS Campus is closer to many historical places. Pushkaram College of Agriculture Sciences adopts globally acceptable practices in imparting agriculture education and developing agriculture research culture. This rich experience will help in providing quality education.

About the ICAR - NRCB

ICAR-National Research Centre for Banana was established on 21st August 1993 at Tiruchirappalli, Tamil Nadu by ICAR, New Delhi with an aim to increase the production and productivity of banana and plantains through mission mode basic and strategic research approaches.

The Centre works on four major thrust areas of research viz., Crop Improvement, Crop Production, Post Harvest Management and Crop Protection. It has well-equipped laboratories for Tissue-culture, Bio-technology, Soil Science, Nutrient Management, Physiology, Biochemistry, Entomology, Nematology, Fungal, Bacterial, Viral Pathology and Post harvest technology research.

About the Conference

The objective of the conference is to gather the Scientists, Academicians Researchers, and students from various fields to provide a platform for discussing the recent researchers and updates in the field of Science, Agro - ecology. The National Conference is proposed to be conducted on 4th April 2025.

In the face of rising global food demand and the challenges posed by climate change, transforming agriculture through smart farming technologies has become essential for feeding the future. Smart farming, characterized by the integration of advanced technologies such as the Internet of Things (IoT), Artificial intelligence (AI), and big data analytics, offers innovative solutions to optimize crop yields, enhance resource efficiency, and reduce environmental impact. By utilizing precision agriculture techniques, farmers can monitor soil health, water usage, and crop conditions in real-time, allowing for data-driven decision-making that maximizes productivity while minimizing waste. Furthermore, automation and robotics can streamline labor-intensive processes, making agriculture more sustainable and economically viable. As these technologies evolve, they present opportunities to revolutionize traditional farming practices, ensuring food security and resilience in a rapidly changing world. Ultimately, the adoption of smart farming technologies stands to empower farmers, promote sustainable practices, and advance agricultural productivity for future generations.

About the CESTADS

The Centre for Science Technology and Development Studies (CESTADS) is dedicated to various research and development activities aimed at improving rural life and promoting sustainable technologies. Their primary focus areas include agriculture, animal husbandry, health and nutrition, climate change, gender equality, women empowerment, and education. They undertake scientific studies and pilot projects to demonstrate environmentally friendly and sustainable production methods, especially in rural areas. CESTADS also promotes economic activities through the formation of self-help groups, stimulates science and technology popularization, and conducts surveys in health, environment, and education. Additionally, they support similar non-profit organizations and engage with governmental and non-governmental bodies.

Guide lines for abstract

Abstract are invited for poster and oral presentations not exceeding 250 words, Typed in Times New Roman, Font size 12, Line spacing 1.5. The abstract should be sent only by **email: fftast2025@gmail.com** along with the title of the paper, Name of the author(s), Full address of correspondence including email id and mobile number. The name of the presenting author should be underlined. The abstract should be sent along with the registration fee details.

Poster Presentation

The poster dimension should be 100*100 cm. Prepared in Power Point and Presented through digital mode and Power Point will be submitted one day prior to conference, title should be in bold and clear; clarity of image and tables should be taken care. The presenting author`s name should be underlined. Certificate for presentation will be given only to the presenting author.

- Content must be from unpublished original research work/ review
- The poster should be self explanatory

Oral Presentation

- The Power Point should be in a concise manner
- Presentation should be completed within 10 minutes
- The Participants should submit their PPT one hour prior to the session

Themes

- Strategies and Techniques to Promote Agri-Diversification and Eco-regional Farming
- Forgotten and Under Utilized Horticultural Crops for Nutrition & Food Security
- Socio-Economic Approaches and Policies to Build Sustainable Food Systems
- Modern Techniques & Approaches on Pest and Disease Management
- Energy Optimization & Agricultural Machineries with Smart Technologies
- Leveraging ICT, IoT, AI/ ML, Big data and Robotics for Sustainable Food Production
- Farming System for Climate Resilience and Livelihood Improvement

Registration fee

PG & Ph.D Scholars – Rs.650/- per paper

Faculty and Others – Rs.750/- per paper

Awards - Rs.1,000/-

Awards

1. Prof. M.S. Swaminathan Best Research Award
2. Dr. Sir C. V. Raman Out Standing Achievement Award
3. Prof. T.S. Venkatraman Excellence Research Award
4. Dr. Rattan Lal Innovative Scientist Award
5. Prof. Anupam Varma Young Scientist Award
6. Dr. Girdhari Lal Kaul Best Faculty Award



Patrons

- Ln. Dr. K. Rethinam MJF, Founder and Chairman, PCAS, Pudukkottai, Tamil Nadu, India.
- Dr. R. Durai B.E., MBA, Ph.D., Managing Director, PCAS, Pudukkottai, Tamil Nadu, India.
- Mr. K.K.R. Venkatesh B.A. LLB., Co- Director, PCAS, Pudukkottai, Tamil Nadu, India.
- Dr. S. Raguraman M.Sc., (Ag.), Ph.D, FRES, Principal, PCAS, Pudukkottai, Tamil Nadu, India.
- Dr. V. Shanthy, M.Sc. (Ag.), Ph.D., Department of Agricultural Microbiology, Vice Principal, PCAS.

Convener

- Dr. S. Selva Anbarasu M.Sc., (Ag.), Ph.D, Associate Professor, Department of Soil Science and Agricultural Chemistry, PCAS.

Co - Convener

- Mr. M. Rajaram B.E., M.Tech., Secretary, PCAS, Pudukkottai, Tamil Nadu, India.

Conference Organizing Secretaries

- Mr. R. Neppolian M.Sc. (Bio-Tech), Manager, PCAS
- Dr. S. Shanmugapackiam M.Sc. (Ag.), Ph.D, Associate Professor, Department of Plant Pathology, PCAS.
- Dr. P. Jaisankar M.Sc. (Hort.), Ph.D, Associate Professor, Department of Horticulture, PCAS.

Co - Organizing Secretaries

- Dr. K. Vadivel M.Sc. (Ag.), Ph.D, Assistant Professor, Department of Genetics and Plant Breeding, PCAS.
- Dr. P. Murali Sankar M.Sc. (Ag.), Ph.D, Assistant Professor, Department of Plant Pathology, PCAS.
- Mr. N. Prasanth M.Sc. (Ag.), Assistant Professor, Department of Agricultural Economics, PCAS.
- Dr. S. Lekha Priyanka M.Sc. (Ag.), Ph.D, Assistant Professor, Department of Agricultural Entomology, PCAS.
- Dr. S. Vinoth Kumar M.Sc. (Ag.), Ph.D, Associate Professor, Department of Agricultural Entomology, PCAS.
- Dr. V. Thirumal Kannan M.Sc. (Ag.), Ph.D, Assistant Professor, Department of Agricultural Extension, PCAS.
- Dr. C. Mohan Raj M.Sc. (Ag.), Ph.D, Assistant Professor, Seed Science and Technology, PCAS.

National Panel of Experts

- Dr. Anand Vetrivel Ph.D., CEO/Data Scientist- Farm wise AI (Chennai)
- Dr. R. Parimalan Ph.D., Senior Scientist (Plant Bio-Technology), ICAR (NBPGR), New Delhi.
- Mr. R. Natarajan Secretary, Nadiyammai Research and Development Foundation, Pudukkottai
- Mr. K. Sathasivam Advisor, Nadiyammai Research and Development Foundation, Pudukkottai
- Dr. C. Poonkodi Ph.D., HOD (Soil Science and Agricultural Chemistry) Annamalai University, Chidambaram.
- Dr. V. M. Indhumathy Ph.D., Associate Professor, Agricultural College and Research Institute, Kudumiyannalai, Pudukkottai
- Dr. Raja Ramesh Ph.D., Assistant Professor (Agricultural Entomology), National Pulses Research Centre, Vamban, Pudukkottai
- Dr. K. R. Saravanan Ph.D., Assistant Professor (Plant Breeding & Genetics) Agricultural College and Research Institute, Kudumiyannalai, Pudukkottai
- Dr. V. Kalirajan Ph.D., Assistant Professor (Agricultural Extension)
V.O. Chidhambaranar, Agricultural College and Research Institute, Killikulam
- Dr. T. Kalidasan Ph.D., Associate Professor (Agricultural Extension) Annamalai University, Chidambaram.

Technical Support Service Executive Members

- Mr. D. Udhaya Kumar, Assistant Director of Horticulture Viralmalai, Pudukottai
- Dr. R. Dhiya Ph.D., PDF, Assistant Professor, Department of Business Administration PSGR Krishnammal College for Women, Coimbatore
- Dr. M. Muthamil Selvan Ph.D., Principal Scientist, ICAR (Engineering)
- Mr. K. Bharathidasan M.Sc. (Ag.) (Agricultural Entomology), Plant Doctor, MSSRF-CABI Plantwise

Important Dates & Registration link

- Last date for online registration : 21.04.2025
- Last date for submission of Abstract : 23.04.2025
- Last date for acceptance of Abstract : 23.04.2025

Link.... <https://forms.gle/v2ABdWgv21d1cfKg8>

Mode of Payment

Centre for Science Technology and Development Studies

A/c No.823287249

IFSC Code : IDIB000P050

Indian Bank Pudukkottai



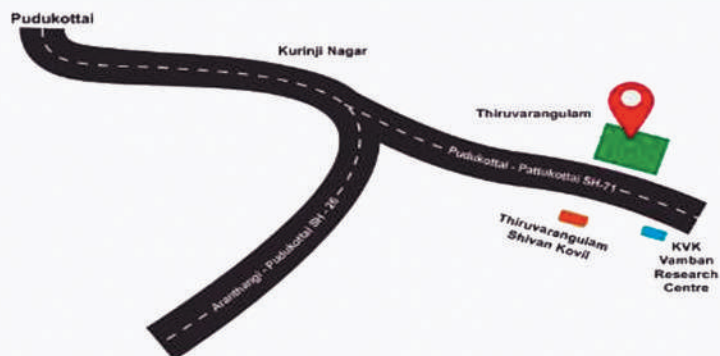
Sustainability Starts in the Soil"
I Welcome you all for the Conference

Our Events & Media Partners

In Association with



ROUTE MAP



Pushkaram College of Agriculture Science

Veppangudi village, Thiruvarangulam Post, Pudukkottai - 622 303.

Accommodation

Accommodations are to be arranged in the private hotels @ pudukkottai on payment basis with best discounts Contact : Mr.R.Nepolian - Account Manager, 9047183632.

Note: Registration kit includes conference abstract, refreshment coupons and note pad.

For Further Informations Contact

- Dr. S. Selva Anbarasu
Associate Professor, PCAS
Phone : 9994546005
- Dr. S. Shanmugapackiam
Associate Professor, PCAS
Phone : 9943020606
- Dr. P. Jaisankar
Associate Professor, PCAS
Phone : 9688860521
- Dr. P. Murali Sankar
Assistant Professor, PCAS
Phone : 7598932749