



Organised by



Plant Protection Association  
of India (PPAI)

# International Conference on **Plant Health Management**

## ICPHM 2023 - Innovation & Sustainability

15<sup>th</sup> - 18<sup>th</sup> November 2023  
PJTSAU Auditorium, Hyderabad



### First Announcement

Plant Protection Association of India Golden Jubilee Celebrations 1972 - 2022  
ICAR-NBPGR Regional Station, Rajendranagar, Hyderabad 500030

#### Our Partners





## Message from

### Dr B Sarath Babu

President of Plant Protection Association of India

Plant Protection Association of India (PPAI), since its inception in 1972, completed 50 years of yeoman service for the cause of Plant Protection both at National and International level. Dr K K Nirula was a founder-member and first President of Plant Protection Association of India. The Association's present standing is entirely due to his untiring and dedicated efforts. The founder scientists of Central Plant

Protection & Training Institute (CPPTI) set the agenda for PPAI in 1972 and today I am here in front of you to emphasize that PPAI worked relentlessly on those principles. While touching the emotional cords of the members, I reiterate those commitments to the aims and goals set by our predecessors.

#### **The aims and objectives of the society include**

1. To advance the cause of plant protection by encouraging and promoting plant protection research and education in the country.
2. To provide a forum for dissemination of information related to plant protection through a journal.
3. To bring about exchange of view and ideas of plant protection by organizing lectures, discussions, seminars, symposia etc.
4. To maintain a link between plant protection workers in India.
5. To facilitate closer association among members and other scientific workers in India and abroad.
6. To involve in any such activity as will be useful for the advancement of adoption of plant protection.

In these five decades, the field of crop protection has evolved from the basic idea of integrated pest control followed by integrated pest management into the present holistic concept of Plant Health Management (PHM). It has opened a new era in safeguarding agricultural crops against the attack of arthropod pests, plant diseases and weeds for the benefit of farming community. In this cause, PPAI has demonstrated its ability to bring to the fore the fruits of scientific research and facilitate all the concerned stakeholders by timely documentation through relevant publications including the internationally reputed 'Indian Journal of Plant Protection' and regular organization of several national and international conferences/seminars. This has enabled provision of timely and appropriate science platforms for deliberation, exchange and spread of the emerging knowledge in the areas of crop protection. However, in the near future the challenges of increasing human population, global climate change with its impact on agriculture and the relentless scientific conundrum of human made artificial intelligence, need urgent attention and redressal.

In this context, I am happy to inform all the concerned stakeholders that PPAI aims to take continued progressive strides in the direction of addressing the relevant achievable goals in the field of plant health management and it is in this direction that we have planned to organize this "International Conference on Plant Health Management – Innovation & Sustainability" (ICPHM 2023) during November 15 to 18, 2023 in Hyderabad, India. The tagline of Innovation & sustainability in ICPHM 2023 has been conceived to focus on modules of research that could be based on innovative ideas to initiate entrepreneurships in plant health management as well as sustainability of innovative ideas in the wake of global climate change. The expertise in the fields of plant pathology, entomology, sustainable cultivation, climate and technology must work together to develop modules of business start-ups and ICPHM 2023 is providing a platform to such ideas and debate on challenges involved in it. The conference will commemorate the completion of 50 golden years of service by PPAI and engage farmers, researchers, state and central government agencies as well as other public and private stakeholders in a serious introspection, intelligent debate and elaborate discussion on issues related to PHM.



Plant health management (PHM) is the science and practice of comprehending the interplay of biotic and abiotic stresses that limit plants from achieving their full genetic potential as crops, ornamentals, forest trees, or other uses. PHM embodies bulwarking and building upon the concept of Integrated Pest Management (IPM) of these stresses to ensure ecological, economic, and social benefits for all the stakeholders, including general public.

Research is traditionally defined as a systematic investigation into an area of study in order to reveal new inferences, re-examine existing knowledge, or establish new Acts. Entrepreneurship is the process of designing a new product/service and converting it to become a successful business.

The main objective of this international conference is to pursue for global opportunities in Innovation and Sustainability of research and entrepreneurship relating to the field of PHM. Agriculture continues to be the backbone for the economy of many countries as majority of the human population is dependent on it for food, feed, and fibre. The deliberations in this conference are expected to focus on preparing a roadmap for the identification, delineation and exploitation of the core research areas of PHM for business prospects in the field of Agriculture.

## CONFERENCE THEMES

### Technology Development & Implementation

- ◆ Genomics and Bioinformatics
- ◆ GMOs and Gene Edited Crops
- ◆ Molecular Approaches in Pest Diagnostics
- ◆ Taxonomy and Systematics of Pests
- ◆ Nanotechnology
- ◆ Biopesticides
- ◆ Phenomics for Plant Protection
- ◆ Host Plant Resistance
- ◆ Indigenous Traditional Knowledge
- ◆ New Pesticide Molecules
- ◆ Pesticide Application Technologies
- ◆ Post-Harvest Management

### Industry, Public Private Partnership and Policy Making

- ◆ Challenges before Industry and Public Sector
- ◆ Intellectual Property Rights and Trade
- ◆ Public Private Partnerships
- ◆ Diagnostics and Certification Issues
- ◆ Farmer Producer Organizations (FPOs) / Participatory Guarantee Systems (PGS)
- ◆ Status of International Treaties
- ◆ Global Exchange of Plant Genetic Resources and Challenges
- ◆ Domestic Legislations and Amendments
- ◆ Repositories Serving Crop Improvement

### Biodiversity and Biosecurity

- ◆ Emerging Pest Problems
- ◆ Invasive Alien Species/ Transboundary Pests
- ◆ Impact of Climate Change on Pest Dynamics and IPM strategies
- ◆ Ecological Engineering
- ◆ Pesticide Residues
- ◆ Phytosanitary Issues & Quarantine

### Digital Management of Plant Health

- ◆ Remote Sensing-GIS and UAV
- ◆ Pest Forecasting & Modelling
- ◆ IoT/ICT/AI Applications in Plant Health Management

### Capacity Building & Human Resource Development

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## REGISTRATION INFORMATION

CATEGORIES	EARLY BIRD Till 31 <sup>st</sup> March 2023	REGULAR Till 31 <sup>st</sup> July 2023	LATE Till 30 <sup>th</sup> September 2023
PPAI Members	8260 INR	10620 INR	12980 INR
Non-PPAI Members	9440 INR	11800 INR	14160 INR
Student Registration	2360 INR	2950 INR	3540 INR
Accompanying Delegate	3000 INR	3000 INR	3000 INR
Foreign Delegate	200 USD	250 USD	300 USD

### NOTE:

- ◆ The above registration fee includes 18% GST.
- ◆ Registration will be accepted online and offline,
- ◆ Credit /Debit card surcharge will be applicable
- ◆ All payments to be made in Indian rupees only
- ◆ An online registration facility is available



## CONFERENCE VENUE



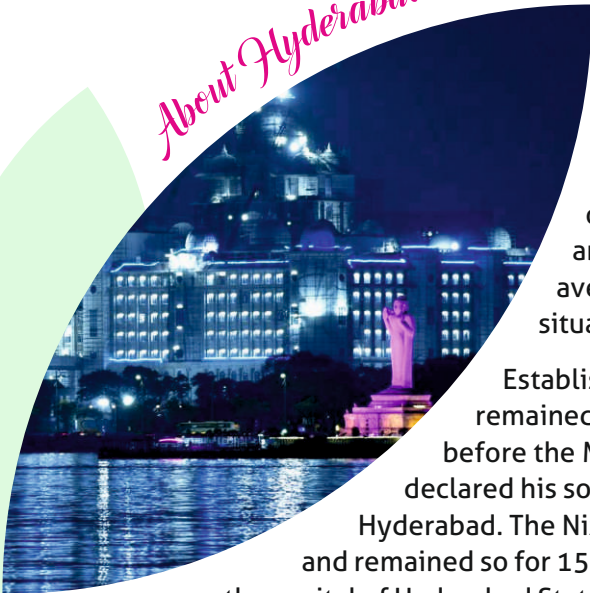
### Professor Jayashankar Telangana State Agricultural University Auditorium, Rajendranagar, Hyderabad, India

The University was formally inaugurated on March 20, 1965, by Shri Lal Bahadur Shastri, the then Hon'ble Prime Minister of India. Another Significant milestone was the inauguration of the University's building programme by Smt Indira Gandhi the then Hon'ble Prime Minister of India on June 23, 1966. Subsequently, the University was renamed as Acharya N G Ranga Agricultural University (ANGRAU) on November 7, 1996 in honour and memory of an outstanding Parliamentarian, Acharya N.G. Ranga who rendered remarkable self-less service for the cause of the farmers and is regarded as an outstanding educationist, Kissan leader and freedom fighter.

As a result of bifurcation of state of Andhra Pradesh in the year 2014, PJTSAU was established on 03-09-2014 by an act of legislature. Professor Jayashankar Telangana State Agricultural University (PJTSAU) named in honour and memory of Professor Jayashankar, an eminent educationist and an ardent Telangana ideologue is the only Farm University of Telangana State. It was established as per the Telangana Govt's G.O. Ms. No. 7, Agricultural and Cooperation (Agril III) Department, Govt. of Telangana dated 31-07-2014 adapting the ANGRAU act 1993 as "The ANGRAU Act of 1963 (Telangana Adaptation) order, 2014". PJTSAU has nine constituent colleges with six of those devoted to faculty of Agriculture, two to faculty of Agricultural Engineering and Technology and one to faculty of Home Science. In addition, there are thirteen constituent polytechnics (eleven in Agriculture, one each in Seed Science and Agricultural Engineering). There are Sixteen Agricultural Research Stations, including three Regional Agricultural Research Stations, nine District Agricultural Advisory and Transfer of Technology Centres (DAATTCs), Eight Krishi Vigyan Kendras (KVKs), one each of Extension Education Institute (EEI), Agricultural Information and Communication Centre (AI&CC), Agricultural Technology Information Centre (ATIC) and Electronic Media Wing spread across the State with Scientific supporting and Administrative Staff, apart from a good contingent of Labour Force. It caters to the needs of an enterprising farming community of Telangana, which is endowed with abundant natural resources, diverse soil and agro-climatic conditions suitable for varied cropping systems and has the potential to become the 'Seed bowl of India'.

## CONFERENCE HOST CITY

*About Hyderabad*



### Welcome to the fastest growing metropolis in India.

Hyderabad is the capital of the Indian state of Telangana and de jure capital of Andhra Pradesh. Occupying 650 square kilometres (250 sq mi) along the banks of the Musi River, it has a population of about 6.7 million and a metropolitan population of about 7.75 million, making it the fourth most populous city and sixth most populous urban agglomeration in India. At an average altitude of 542 metres (1,778 ft), much of Hyderabad is situated on hilly terrain around artificial lakes.

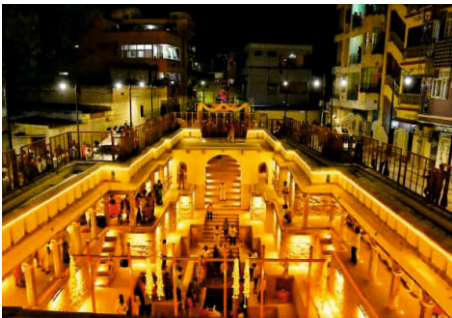
Established in 1591 by Muhammad Quli Qutb Shah, Hyderabad remained under the rule of the Qutb Shahi dynasty for nearly a century before the Mughals captured the region. In 1724, Mughal viceroy Asif Jah I declared his sovereignty and created his own dynasty, known as the Nizams of Hyderabad. The Nizam's dominions became a princely state during the British Raj, and remained so for 150 years, with the city serving as its capital. The city continued as the capital of Hyderabad State after it was brought into the Indian Union in 1948 and became the capital of Andhra Pradesh after the States Reorganisation Act, 1956. Since 1956, Rashtrapati Nilayam in the city has been the winter office of the President of India. In 2014, the newly formed state of Telangana split from Andhra Pradesh and the city became the joint capital of the two states, a transitional arrangement scheduled to end by 2025.



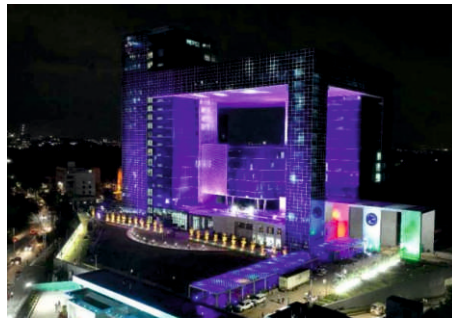


# PLACES TO VISIT IN HYDERABAD

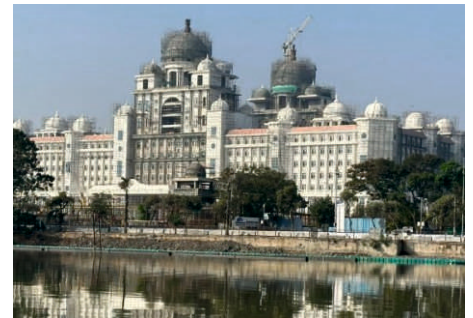
Bansilalpet Stepwell



Command Control Center



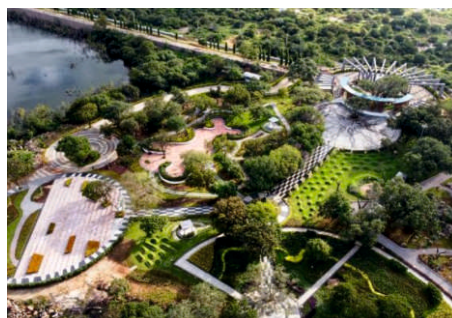
New Secretariat In Telangana



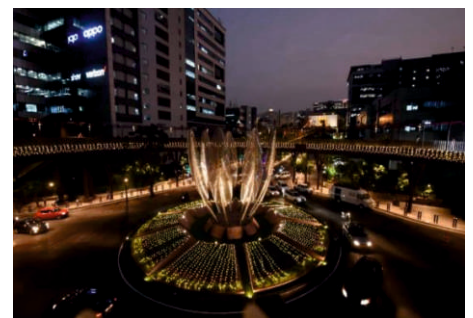
Knowledge City & T-Hub 2.0



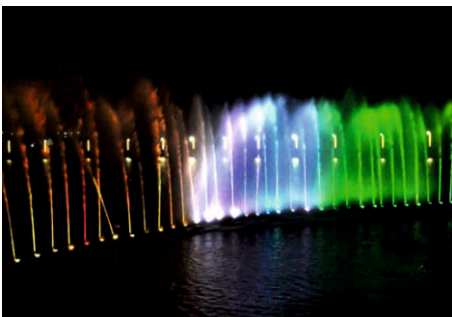
Gandipet Park



Mindspace Junction



India's Largest Musical Water Fountain at Hussain Sagar



Malkam Cheruvu Park



Durgam Cheruvu Lake Front Park & Cable Bridge



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