

1st circular



Dedicated to Late Prof V. L. Chopra

**43rd ANNUAL MEETING OF PLANT TISSUE
CULTURE ASSOCIATION-INDIA (PTCA-I)**

&

**INTERNATIONAL SYMPOSIUM ON “ADVANCES
IN PLANT BIOTECHNOLOGY AND
NUTRITIONAL SECURITY- APBNS-2022”**

(Hybrid mode i.e., virtual as well as physical mode)

(FEBRUARY 17-19, 2022)



Organized by

ICAR-National Institute for Plant Biotechnology

New Delhi-110012, India

In association with

Plant Tissue Culture Association-India (PTCA-I)

About PTCA-I and the Symposium

The Plant Tissue Culture Association (India) [PTCA-I] is an elite body of Scientists, several of whom are pioneers in the field, while others have established scientific credentials. At present, the PTCA-I comprises of 115 elected members. One of the goals of PTCA-I is to provide platform for students, researchers and scientists to present their work for interaction and exchange views on the most recent developments in plant science. PTCA-I has been providing this unique platform by facilitating annual gathering of scientists, every year, for more than past four decades. The annual meeting of the association is combined with a three-day symposium on a theme related to advances in plant tissue culture and plant biotechnology. The **43rd Annual Meeting of Plant Tissue Culture Association (India) & International Symposium on Advances in Plant Biotechnology and Nutritional Security (APBNS-2022)** is being organized by ICAR-National Institute for Plant Biotechnology, New Delhi-110012, India between **February 17-19, 2022** in association with PTCA-I.

Due to the ongoing COVID-19 pandemic, this event will be organized through hybrid mode i.e., both virtual and in person, to give a better access to the participants. This symposium will provide an excellent opportunity to bring together experts and emerging scientists with an interest in this exciting field of plant biology. The overall goal of this symposium is to provide a forum for the exchange of information and ideas on plant biotechnology and nutritional genomics and the development of new scientific collaborations.

Call for Abstracts

The Organizing Committee invites the participants to contribute papers for oral and poster presentation. The Abstract not exceeding 500 words should have a title followed by the name of the author(s), affiliation and e-mail address of the corresponding author. Abstract should be in font: **Times New Roman**; font size 12. The Abstracts may be submitted through the Symposium website <https://www.apbns2022.com> on or before 15th Dec, 2021. Acceptance will be communicated to the presenting author by 1st January, 2022. Name of the presenting author must be underlined in the Abstract. Abstract should contain a brief Introduction, Materials and Methods, Results and Discussion. Tables, Figures and References should not be included in the Abstract. The Abstracts are invited for following types of presentations:

Plenary & Key note Talks: Eminent Scientists or Researchers from National and International Research Institutions/Universities will be invited to deliver plenary and keynote talks on various research topics.

Invited Talks: Eminent Scientists or Researchers from National and International Research Institutions/Universities will be invited to deliver invited talks in each session.

Poster Presentations: There will be separate “Poster Sessions” in each technical session to encourage wider interaction and sharing of the information. Two best posters in each session will receive award.

International participants will attend through virtual mode and National participants will be either in-person or virtual mode as per their choice

Major Events

- ❖ Plenary/Key note and Invited Talks by Eminent Speakers
- ❖ Oral Presentations
- ❖ Award Lectures
- ❖ PTCA-I Membership Presentations
- ❖ Poster Presentations
- ❖ Workshop on “Nutritional Security”

Symposium Themes

- ❖ Abiotic Stress Tolerance
- ❖ Biotic Stress Tolerance
- ❖ Yield and Quality Traits
- ❖ Genetics and Genomics
- ❖ Plant Tissue Culture and Transgenics
- ❖ Developmental Biology and Epigenetics
- ❖ Genome Analysis, Bioinformatics and Artificial Intelligence
- ❖ Pre-breeding and Wild relatives of Crop Plants
- ❖ Emerging threats in Indian Agriculture, Biopiracy, Scientific ethics and IPR issues

Registration fee for in-person attendee (Indians only)

Categories	Registration Fee (INR)		
	Early bird Dec 30, 2021	Normal Jan 20, 2022	On the spot Feb 17, 2022
Students & Post Doc Fellow	2500/-	3000/-	4500/-
*Retired Govt Scientists Including PTCA members	4000/-	4500/-	5500/-
Faculty/Scientists	7000/-	7500/-	8000/-
Industry/NGOs	14000/-	15000/-	16000/-

** The accompanied person who wish to attend the symposium has to pay extra Rs. 4000/*

Registration fee for virtual attendee

Categories	Registration Fee		
	Early bird (INR) Dec 30, 2021	Normal (INR) Jan 20, 2022	Foreign Nationals (USD)
Students & PDFs	500	700	10 USD
Faculty/Scientists	1000	1500	20 USD
Industry/NGOs	4000	5000	100 USD

Registration fee should be paid either by mobile wallet app (e.g., Paytm, PhonePe, Google pay) or through UPI, NEFT, Debit/Credit card to the following account number through the webpage <https://www.apbns2022.com>

Name: APBNS-2022
A/C No: 50200061294548
IFSC Code: HDFC0000144
Branch: HDFC Bank,
East Patel Nagar Main Road Branch
New Delhi-110008



Note: Please add your full name in the comment box while making payment through QR code scanning

Note: E-Certificate will be issued to the registered participants only

Note: Participants have to arrange their own accommodation

For any accommodation assistance, one can visit conference website <https://www.apbns2022.com>

Sponsorship Opportunity

There is an opportunity to give advertisements in the Abstract Book of the Symposium, which will contain messages from VIPs and Articles from Renowned Scientists from India and Abroad. Interested companies may contact the convener (ptcai2022@gmail.com) for giving the advertisements.

Sponsor Category	Rate (INR)	Privileges
Platinum	1,00,000	Name/logo at prominent places including dais/website; Presentation opportunity; Advertisement in souvenir (full color back cover page).
Gold	50,000	Name/logo at prominent places including dais/website; Advertisement in souvenir (full page color)
Silver	25,000	Name/logo on website; Advertisement in souvenir (full page color)

ICAR-NIPB

Recognizing the importance and potential of plant biotechnology in agricultural research, Biotechnology Centre (BTC) was established in January, 1985 at Division of Genetics, Indian Agricultural Research Institute, Pusa Campus, New Delhi. It subsequently became an independent institute in 1993, christened as National Research Centre on Plant Biotechnology. NRCPB has been accorded the status of National Institute in the year 2019 owing to the inroads made by this institute in the areas of whole genome sequencing, development of molecular markers, utilization of wild and mutant germplasm for identification of genes and promoters as well in developing plant transformation protocols to assist crop improvement. Over the last three and half decades, the institute has not only been serving as the national lead center for plant molecular biology and biotechnology research but also in training manpower in the frontline areas of Plant Biotechnology and Genetic Engineering. The major contributions of ICAR-NIPB include the release of Pusa Jaikisan, a somaclonal variant of Varuna, whole genome sequencing of rice, tomato, wheat, pigeon pea, cluster bean, mango, jute, tea and *Oryza coarctata* either as a part of International sequencing consortiums or as a national lead center. The Institute has developed a large number of DNA markers including SNP assays and mapped genes and QTLs and subsequently moved them into varieties for cultivation by farmers in collaboration with crop-based institutes. It has a wealth of germplasm resources, collected as well as generated, catalogued and characterized for identification of genes and promoters. Development of transgenic crops resistant to biotic stress has been a major thrust area of the Institute.

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Dr. Sudhir K. Sopory
Former VC, JNU

Patrons



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Secretary, PTCA-I



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DDG (CS), ICAR



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National Prof. BP Pal Chair, NIPB

Conference Chair



Dr. Ajit Kumar Shasany
Director, NIPB

Conference Co-chair



Dr. D K Yadav
ADG (seeds), ICAR

Convener



Dr. Tapan Kumar Mondal
Principal Scientist, NIPB

Co-Convener



Dr. Vandana Rai
Principal Scientist, NIPB

Co-Convener



Dr. S V Amitha CR Mithra
Senior Scientist, NIPB

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Scientist, NIPB

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Contact

Dr. Tapan Kumar Mondal

Principal Scientist & Convener APBNS-2022

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Registration Form

(Please mail the duly completed form ptcai2022@gmail.com on or before Dec 15, 2021)

Mode of attendance : Virtual In-person

Name : Prof/Dr/Mr/Ms.....

Country :.....

Address :.....

Tel. No :.....

Fax No :.....

E-mail Id :.....

PTCA-I Member : Yes No

Title of the abstract :.....

Sub-theme of Interest :.....

I am interested in : (Tick mark the appropriate option)

Attending the Symposium :.....

Presenting a paper : Oral Poster

Mode of Registration Fee Payment* : UPI NEFT

• UPI Reference No./NEFT Transaction ID (UTR No.):.....

• Transaction Date :.....

Date:.....

(Signature of the participant)