



## International Conference on Biochemical and Biotechnological Approaches for Crop Improvement

30<sup>th</sup> October to 01<sup>st</sup> November, 2023



**Venue :** National Agricultural Science Complex, New Delhi, India

**Organized by**



ICAR-Indian Agricultural  
Research Institute



ICAR-National Institute for  
Plant Biotechnology



Society for Plant Biochemistry  
and Biotechnology



CSIR-National Botanical  
Research Institute

[www.ibbaci.org](http://www.ibbaci.org)

## About The International Conference

As you are kindly aware that the Society for Plant Biochemistry and Biotechnology (SPBB) is organizing 'International Conference on Biochemical and Biotechnological Approaches for Crop Improvement' (IBBACI 2023) scheduled from 30th October to 01st November 2023 at NASC Complex, New Delhi, in collaboration with ICAR-Indian Agricultural Research Institute (IARI), New Delhi, ICAR-National Institute for Plant Biotechnology (NIPB), New Delhi and CSIR- National Botanical Research Institute (NBRI), Lucknow.

IBBACI 2023 aims to bring together a diverse group of researchers and academicians from around the world to present their research experiences as well as to give them a forum to discuss new ideas, updates, and integrate novel crop improvement concepts with the overarching objective of accelerating the achievement of SDGs by 2030.

The Conference shall feature technical sessions with plenary, keynote, invited lectures, and contributory oral/poster presentations. Besides, separate sessions would be organized to take stock of advances made in millets, legume, and oilseed research, and potential goals and strategies for the improvement of these crops would be discussed and deliberated upon to chart an implementable action plan. A special attraction of the conference would be the industry-Academia interface and student –Science leaders' interface to address present and future challenges in crop improvement.

## Invitation

We are delighted to extend our invitation for the **International Conference on Biochemical and Biotechnological Approaches for Crop Improvement**, organized by the Society for Plant Biochemistry and Biotechnology (SPBB). The conference will take place from **30th October to 01st November, 2023**, at the **NASC Complex in New Delhi**.

This important event is being held in collaboration with ICAR-Indian Agricultural Research Institute (IARI), New Delhi, CSIR-National Botanical Research Institute (NBRI), and ICAR-National Institute for Plant Biotechnology (NIPB), New Delhi. The primary objective of this conference is to gather international experts and emerging scientists who share a keen interest in the fascinating field of Plant Biochemistry and Biotechnology for crop improvement.

The conference program will include Dr. N.B. Das Memorial Lecture, Plenary Lectures, Invited Lectures, Oral Presentations, Poster Presentations, SPBB Awards, Flash Talks and Student Scientist / Industry Academia Interface covering a wide range of topics related to crop improvement through biochemical and biotechnological approaches. This will provide an excellent platform for exchanging knowledge, fostering collaborations, and staying updated with the latest developments in the field.

We are pleased to extend our invitation to all individuals with a keen interest in plant biochemistry and biotechnology-related subjects to join us at our upcoming conference. We understand that some attendees may require a letter of invitation to facilitate their visa application process. We are pleased to inform you that we will provide an official letter of invitation to those who require it for visa purposes.

**Dr. S.L. Mehta**  
President, SPBB

**Dr. Ramavtar Sharma**  
Vice-President, SPBB

**Dr. Anil Dahuja**  
Vice-President, SPBB

**Dr. Aruna Tyagi**  
Secretary, SPBB

## Advisory Committee

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### Chair of the Conference



**Dr. S. L. Mehta**  
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Prof. J. Gershenzon, Germany		

## Chairperson - Various Organising Committees

<b>Advisory Committee</b>	Dr. A.K. Singh, Director, ICAR-IARI, New Delhi
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<b>Poster Committee</b>	Dr. Anil Dahuja, Prof. & Pr. Scientist, ICAR-IARI, New Delhi
<b>Reception and Press &amp; Media Committee</b>	Dr. R. Srinivasan, Former Director, ICAR-NIPB, New Delhi

## Conference Highlights



**Dr. NB Das Memorial Lecture by  
Professor Rajeev K Varshney**  
Murdoch University, Australia

- Plenary lectures
- Invited lectures
- Oral Presentations
- Posters Presentations
- **SPBB Awards**
- **Flash Talks**
- **Student Scientist / Industry Academia Interface**

## Technical Sessions

- **Metabolic Pathway Engineering**
- **Advanced Molecular Tools for Crop Improvement : Genomics and Genome Editing**
- **Abiotic and Biotic Stress Tolerance**
- **Plant Nutrition & Food Quality Enhancement**
- **Millets as Nutraceuticals**
- **Advances in Legumes & Oilseed Research**
- **Functional Genomics and Regulatory Biology**
- **Microbiome & Nanotechnology for Health**

## SPBB Awards

### **Dr. N.B. Das Memorial lecture**

SPBB initiated 'Dr. N. B. Das Memorial Lecture' in 1993 in the memory of renowned Biochemist late Prof. N. B. Das. (First Head of the Division of Biochemistry, Indian Agricultural Research Institute, New Delhi). **It will be held on October 30th, 2023 at C. Subramaniam Auditorium (NASC Complex), New Delhi.**

**SPBB in collaboration with Springer Nature India Pvt. Ltd., initiated following awards since 2019:**

- **SPBB-Springer Life Time Achievements Award** to the renowned scientists/researchers for their outstanding contributions in the areas of Education, Science Adoption and Popularisation, Research and Teaching, Translational Research (Biochemistry & Biotechnology).
- **SPBB-Springer Young Scientist Awards** to the young scientists/students (Ph.D.)/researchers in the field of Plant Biochemistry, Biotechnology, Molecular Biology, and Life Sciences.

## Abstract Submission

Abstract are invited for **oral, poster, flash talks** and **young scientist award** presentations. The language of the conference will be English. The abstract not exceeding 250 words should have a title followed by the name of the author (s), affiliation and E-mail address of the corresponding author(s). The abstract should be typed in font Times New Roman, Size 12 with spacing 1.15 along with 4-5 keywords.

**The abstracts may be submitted through the conference website [www.ibbaci.org](http://www.ibbaci.org) on or before 25th September, 2023.**

**Visit the website [www.ibbaci.org](http://www.ibbaci.org) for the detailed guidelines for abstract submission.**

# Key Speakers

## Dr. N.B. Das Memorial Lecture

**Prof. Rajeev Varshney**  
Murdoch University, Australia

## Plenary Speakers

**Prof. Nigel G. Halford**  
Crop Scientist,  
Rothamsted Research, UK

**Dr. Vedpal S. Malik**  
United States Department  
of Agriculture, USA

**Prof. Balaram P.**  
Former Director, Indian  
Institute of Science, Bangalore

**Dr. T. R. Sharma**  
DDG (Crop Science)  
ICAR, New Delhi

**Dr. A. K. Singh**  
Director, ICAR-IARI,  
New Delhi

**Prof. Yunde Zhao**  
University of California,  
USA

## Lead Speakers

### Session - I : Metabolic Pathway Engineering

**Prof. Shubra Chakaraborty**  
Director NIPGR,  
New Delhi

**Dr. Ram Rajasekharan**  
Central University of Tamil Nadu,  
Thiruvavur

**Dr. Ajit Kumar Shasany**  
Director, CSIR-NBRI,  
Lucknow

### Session - II : Advanced Molecular Tools For Crop Improvement: Genomics And Genome Editing

**Dr. Viswanathan Chinnusamy**  
Joint Director (Research)  
ICAR-IARI, New Delhi

**Dr. Swarup K. Parida**  
NIPGR, New Delhi

**Dr. N.K. Singh**  
National Professor BP Pal Chair  
ICAR-NIPB, New Delhi

### Session - III : Abiotic And Biotic Stress Tolerance

### Session - IV : Plant Nutrition & Food Quality Enhancement

**Prof. Manoj Prasad**  
JC Bose National Fellow, NIPGR,  
New Delhi

**Prof. Kashchandra Raghothama**  
Purdue University,  
USA

**Prof. Ashwani Pareek**  
Director, NABI,  
Mohali

**Prof. Avtar K. Handa**  
Center for Plant Biology  
Purdue University, USA

**Dr. Sijo Joseph**  
University of Manitoba,  
Canada

**Dr. Sanjay Kumar**  
Chairman, ASRB,  
New Delhi

### Session - V : Millets As Nutraceuticals

**Dr. C. Anandharamakrishnan**  
Director, CSIR-NIIST, Trivandrum,  
Kerala

**Dr. C Tara Satyavathi**  
Director, Indian Institute of  
Millets Research, Hyderabad

**Prof. Rattan Yadav**  
Aberystwyth University,  
UK

### Session - VI : Advances in Legumes & Oilseed Research

**Dr. C. Bharadwaj**  
ICAR-IARI  
New Delhi

**Dr. D. K. Yadava**  
Assistant Director General (Seed)  
ICAR, New Delhi

### Session-VII : Functional Genomics And Regulatory Biology

**Dr. Sona Pandey**  
Donald Danforth Plant Science Center,  
USA

**Prof. Gitanjali Yadav**  
NIPGR,  
New Delhi

### Session-VIII : Microbiome & Nanotechnology For Health

**Prof. Archana Chugh**  
IIT Delhi,  
New Delhi

**Prof. Arjan Narbad**  
Quadram Institute,  
UK

## Oral Presentations

### Session-I : Metabolic Pathway Engineering

**Dr. Aruna Kilaru**  
East Tennessee State University,  
USA

### Session-III: Abiotic And Biotic Stress Tolerance

**Dr. Ranjan Swarup**  
University of Nottingham,  
UK

## Registration Fee

Registration deadline extended till September 25, 2023  
After the deadline a late fee of INR 1000 will be charged

Category	SPBB Members	Non-SPBB members	International
Student	Rs.5,000	Rs.6,000	US\$250
Faculty/Scientist	Rs.8,500	Rs.10,000	US\$350
Industry Participants		Rs.15,000	US\$550

GST Inclusive @ 18%

## Offline Registration Form

Name	
Organization/Institute/ Department Name	
Designation	
Category	
Nationality	
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Date	
Bank Name	
UPI/NEFT/RTGS/ DD No.	
City	

Note: Please send this filled form to icbbaci@gmail.com

## Mode of Payment : UPI / Bank Transfer / NEFT / RTGS / Demand Draft

(Draft may please be prepared in favour of 'SPBB International Conference 2023' payable at New Delhi)

**Name:** SPBB INTERNATIONAL CONFERENCE 2023

**Account no:** 120002815360

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**MICR Code:** 110015391

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## Registration Guidelines

- The Conference will be open to both members as well as non-members of the Society
- Attendees may choose to register with or without submitting an abstract, ensuring an inclusive and diverse participation in our prestigious event.
- To Register & make payment, please scan the QR codes.

REGISTER NOW



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# Sponsorship opportunities

To enhance visibility of your organisation, various sponsorship opportunities are available to show the organisation's leadership role and growth, especially to have prominent visibility at IBBACI 2023. The Corporate bodies, Industries, Research and Academic Institutions are invited to sponsor the event. For details, scan the QR code.

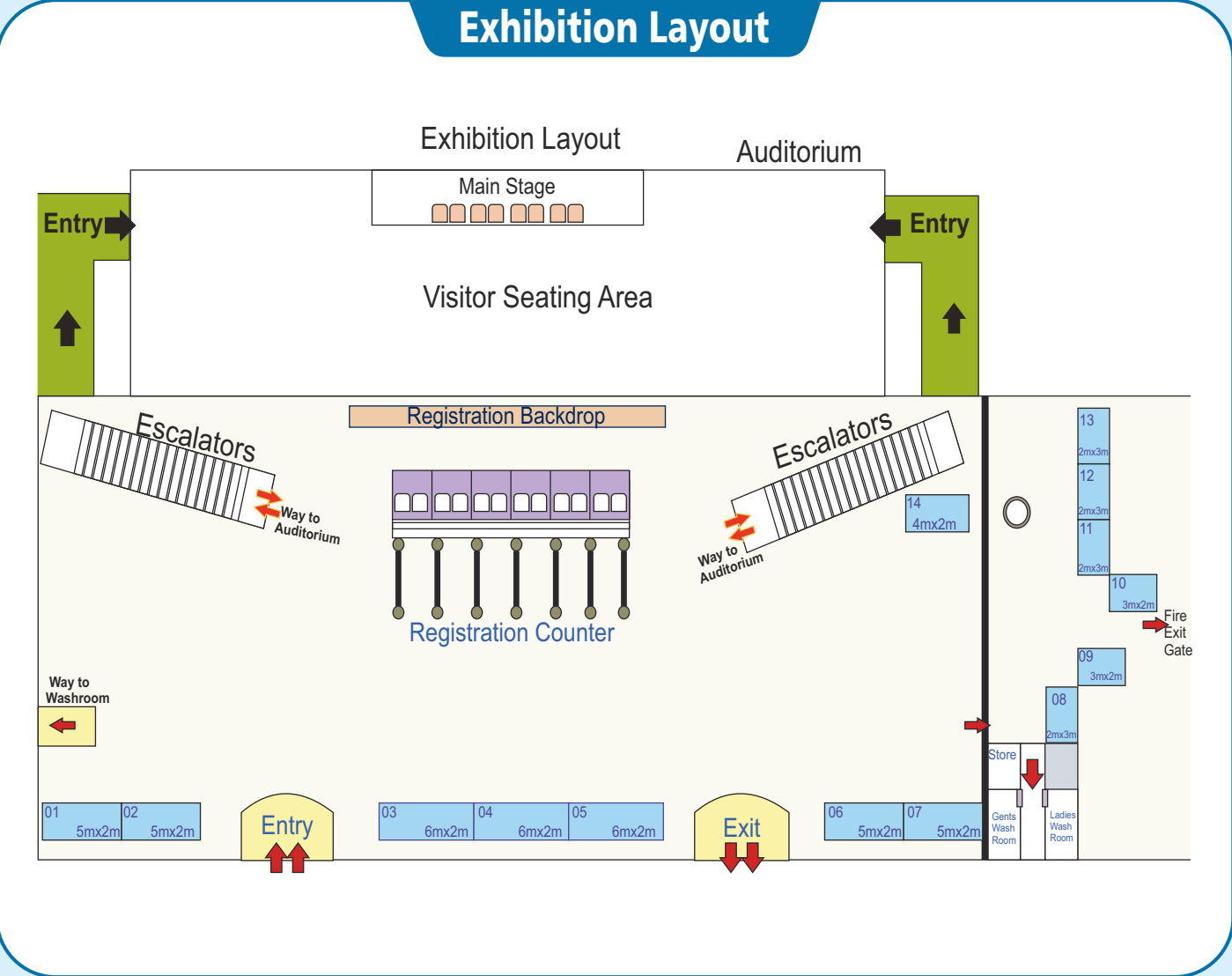


## Overview

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## Exhibition

Concurrent with IBBACI 2023, an exhibition is also held on the same dates and at the venue. It is a unique platform for showcasing and launches of new initiatives, machinery products and technologies, establishing joint ventures, developing and renewing international and regional contacts.





## Venue – NASC



NASC Complex is a prestigious Complex built by the Indian Council of Agricultural Research spreadover an area of around 22 acres with multi-dimensional state of the art facilities like a National Agricultural Museum, Symposia Complex, large underground parking, offices of the International and national organizations, National Academy of Agricultural Sciences (NAAS), Association of Agricultural Universities of India. NASC Complex is located on Dev Prakash Shastri Marg.

- 16 kms from New Delhi Airport.
- 8 Kms from Delhi Railway station.
- Nearest Metro Station - Rajendra Place.

## About Delhi

New Delhi is the capital of India and an administrative district of the National Capital Territory of Delhi. New Delhi is the seat of all three branches of the government of India, hosting the Rashtrapati Bhavan, Parliament House, and the Supreme Court of India. Delhi has always been home to some of the most beautiful heritage sites in the world. From Indraprastha to Lutyens & Delhi, you & be able to spot remnants of every era that the city has gone through. Delhi boasts of a host of historical monuments as well as newer additions viz. Rashtrapati Bhawan, Parliament House, Red Fort, India Gate, Jantar Mantar, Qutab Minar, Birla Temple, Jama Masjid, the Shahid Smarak, Kartavya Path (the renovated and renamed Raj path), Signature Bridge. Apart from the monuments, the famous markets with their delicious cuisines are also famous. These include, Connaught Place, Janpath, Pandara Road, Khan Market, Chandni Chowk, Humayun's tomb, Safdar Jung tomb, Lotus temple, Akshardham temple, Lodhi garden, Talkatora garden, Delhi Haat. South Extension, to name a few. The National Zoological Park and boating at the Purana Quila Fort are added attractions.



## Accommodation

Hotel	Star	Room Category	Address
<b>5 Stars Hotel</b>			
JAYPEE SIDDHARTH	5*	Standard	3, Rajendra Place, New Delhi Tel: +91-11-25760000, 43662500 Email: reservations.jsd@jaypeehotels.com
LE MERIDIEN	5*	Standard	Connaught Place, New Delhi, Tel: +91-11-45020200 Email: reservations@lemeridien-newdelhi.com Mr. Punit Tyagi, Reservation Manager
HOTEL METROPOLITAN	5*	Standard	Connaught Place, New Delhi Tel: +91-11-42500200 Email: reservations@hotelmetdelhi.com
THE PARK	5*	Standard	15 Parliament Street, New Delhi Tel: +91-11-2374 3000
HYATT REGENCY	5*	Standard	Bhikaiji Cama Place, New Delhi Tel: +91-11-26791234 Email: reservations.hrdelhi@hyatt.com
<b>4 Stars Hotel</b>			
HOTEL AMRAPALI GRAND	4*	Standard	Near Patel Nagar Road, Delhi Tel: 011 2572 5700 Contact Person: Mr. Gurjob Singh
THE EXOTICA GRAND	4*	Standard	East Patel Nagar, Delhi, Tel: 011 4988 9900 / 91-9717946228 Email: resv@theexoticagrand.com Contact Person: Ms. Neha Singh
HOTEL REGENT GRAND	4*	Standard	Karol Bagh, New Delhi Tel: 011-46011111 Mobile: +91-9810902122 Email: info@hotelregentindia.com Contact Person: Mr. Vijendra
THE HANS HOTEL	4*	Standard	Connaught Place, New Delhi Tel: 011 23316861, 66150000
HOTEL GOLDEN GRAND	4*	Standard	Main Patel Road, New Delhi Phone: 91-9811721122, 9811751122 Email: sales.goldengrand@gmail.com Contact Person: Mr. Sachin
<b>3 Stars Hotel</b>			
HOTEL SANCA INTERNATIONAL	3*	Standard	East Patel Nagar, New Delhi Tel: 079829 47616 Contact Person: Mr. B.S. Rana
HOTEL ROYAL GRAND	3*	Standard	East Patel Nagar, New Delhi Mob: 098735 93166
<b>Budget Hotels</b>			
HOTEL SUN CITY	Budget	Standard	Karol Bagh, New Delhi Mob: 074282 01236 Mr. Atul
HOTEL KNK INTERNATIONAL	Budget	Standard	Karol Bagh, New Delhi Mob: 099719 62745 Contact Person: Mr. Prakash
HOTEL C PARK INN	Budget	Standard	Karol Bagh, New Delhi Mob: 088003 90971
YMCA, NEW DELHI	Budget	Standard	Tel No. 011-43644047 Email: reservation@newdelhiymca.in Contact Person: Mr. Sudhir Bhardwaj / Mr. Abhishek
YWCA INTERNATIONAL GUEST HOUSE	Budget	Standard	Connaught Place, New Delhi Tel No. 011-23361740 / 23361662 Email: ywcaigh@ywcaindia.org
<b>Hostels/Dormitories</b>		<b>Contact No.</b>	<b>Guest Houses at NASC Complex</b>
International Youth Hostel, Chanakyapuri		78279 99000	
Comfort stay Hostel The Backpackers Dorms, Paharganj		099110 62479	
Himalayan hostel, Paharganj		083687 51636	
Sprinklers, Paharganj		099538 00095	
Homestay AC Dormitory, Kashmere Gate		9870400475 / 9773638227	

On-campus housing is limited and available on First Come First Served Basis. Request for campus accommodation can be sent at icbbaci@gmail.com . Accommodation will be provided on a payment basis upon receipt of a request from the registered delegates.

For Hostels/Dormitories, given above are some of the options, **PLEASE CONTACT THEM DIRECTLY**



## Contact Us

### Organising Secretary



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## Conference Secretariat for Technical Queries



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