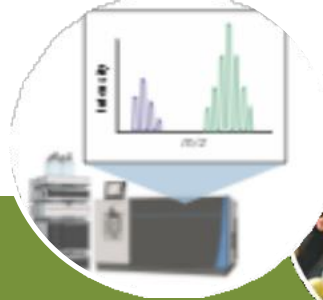




24<sup>th</sup>-30<sup>th</sup> December 2024

Delhi University Botanical Society  
and Department of Botany,  
University of Delhi.



Completing a Decade of

## PLANT PROTEOMICS WORKSHOPS

NANO-PROTEOMICS WORKSHOP :  
TRAINING WORKFORCE FOR  
SUSTAINABLE AND STRESS RESILIENT CROP  
PRODUCTION

Special Feature

Introduction to Nano-Proteomics

### About

Nano-enabled agriculture involves the interaction of nanomaterials with plants. This interaction is mostly beneficial but could also be toxic. Upon entering the biological system, NPs (Nanoparticles) form biocorona, these biocorona define the transport, interaction, and fate of these nanomaterials. Protein corona is formed by binding proteins to NPs. The mechanism of formation and bio-interaction of protein corona is still not clear. Proteome analysis can shed light on the bound proteins as well as their impact on biological systems including plants. The current workshop is designed to cater to nano-proteomics. Dynamics and alteration of corona proteins may be dissected and analysed to understand the important players in growth and development as well as during stress conditions.

### THEMATIC SESSIONS

- Chemical and Green synthesis of NPs and their Characterization
- Formation and isolation of NP-corona complex
- Differential polypeptide analysis by SDS-PAGE of protein corona complex
- Mass Spectrometry
- Gel-based proteomics, Immunoblotting for validating corona-bound proteins
- Understanding the Physiological and Biochemical impact of NP-PC in plants.



Registration fee= Rs. \*5000/-

Registration Link

<https://forms.gle/2UjpiUZ23fJMT6hN7>

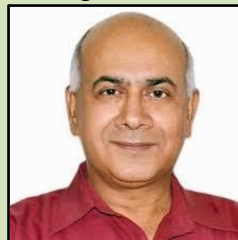
\* Accommodation charges extra. Registration fee includes a registration kit, refreshments, and lunch for 7 days .

DATE  
EXTENDED

Last date of registration  
15th December 2024

Hurry up! Limited Seats.  
No On-spot Registration

Inaugural address



**Dr. Dinakar M. Salunke**  
Emeritus scientist and Former  
Director, ICGB, New Delhi

Valedictory address



**Dr. Suphiya Khan**  
Deputy Director  
SRIFIR, Gurgaon,  
Haryana

Valedictory Chief guest  
**Dr Rajeev Varshney**

Director, DIPAS, DRDO, New Delhi

### Invited Speakers

**Prof. Subhra Chakraborty**  
NIPGR, New Delhi

**Prof. Niranjana Chakraborty**  
NIPGR, New Delhi

**Prof. Prashant Mishra**  
IIT Delhi, New Delhi

**Prof. Hariprasad Gururao**  
AIIMS, New Delhi

**Dr. Srinivas Kiran Ambatipudi**  
IIT, Roorkee

**Dr. Ravi Gupta**  
Kookmin University, South Korea

**Dr. Ajaswara Dutta**  
INMAS, DRDO, New Delhi

**Prof. Ashis K. Mukherjee**  
IASST, Assam

**Dr. Kalpana Bhargava**  
HEMRL, DRDO, Pune

**Prof. Mahima Kaushik**  
CIC, University of Delhi

**Dr. Ranjan Nanda**  
ICGEB, New Delhi

**Dr. Niroj Kumar Sethy**  
DIPAS, DRDO, New Delhi

**Dr. P.S. Vijaya Kumar**  
INST, Mohali

**Dr. Pratima Solanki**  
JNU, New Delhi

**Dr. Amit Yadav**  
THSTI, New Delhi

**Dr. Gagan Deep Jhingan**  
Vproteomics

[proteomicsworkshop2024@gmail.com](mailto:proteomicsworkshop2024@gmail.com)

### MODE OF PAYMENT

Payment can be made through

RTGS/NEFT/Cash to

Delhi University Botanical Society.

A copy of the bank receipt should be mailed to:

[proteomicsworkshop2024@gmail.com](mailto:proteomicsworkshop2024@gmail.com)

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### CHAIRPERSON

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Department of Botany  
University of Delhi

### CONVENOR

Prof. Renu Deswal

Email id: [rdeswal@botany.du.ac.in](mailto:rdeswal@botany.du.ac.in)

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