



1st NATIONAL WORKSHOP ON PLANT METABOLOMICS: FROM SAMPLE PREPARATION TO DATA ANALYSIS FEBRUARY 26 - MARCH 2, 2024

Plant metabolome profiling can serve as a metabolic/biochemical fingerprint of plants. Also, the study of plant volatiles has become an increasingly important area of research in recent years, as their key roles in principal biological processes have been deciphered. Plant volatile organic compounds (VOCs) are organic chemicals that plants release as part of their natural biological processes, such as in plant communication, defense, aroma & flavor, and pollinator attraction. To understand the regulation and manipulation of these metabolic pathways, it is essential that high-throughput analytical methods are available to the scientific community. The focus area of our workshop will be on plant primary metabolites, aroma volatiles, cuticle and wax components.

The objective of the present workshop is to hold training program on Plant Metabolomics for the interested users as part of the ongoing DBT-SAHJ project using an in-house instrument, Pegasus 4D ® GC x GC TOF Mass Spectrometer. To get the most, talks by experts in the field and hands-on sessions on extraction methods, identification of primary metabolites, volatiles and data analysis are planned.



HOW TO APPLY?

- Give a brief write-up (1200 words max) on how this workshop can benefit your ongoing research work, in the google form link given below.
- Recommendation from your supervisor ascertaining the above to be attached.

Number of seats available: 12

FOCUS AREAS

- Introduction to plant primary metabolome and aroma volatiles.
- Sample extraction & processing for GC-MS.
- Metabolite identification & Data analysis.
- Data visualization.
- Practice sessions with additional datasets

IMPORTANT DATES



Registration fee: ₹10,000 + 18% GST

Last date for submission of Google form - **January 31, 2024**

<https://docs.google.com/forms/d/e/1FAIpQLSfDQkBSol5qHyeiC1wN1LyMhjsmxwssnKLQ4Snf49Zg7cfZhg/viewform>



Intimation of selected candidates
February 2, 2024

Payment of Registration fee
February 2-10, 2024

VENUE

Repository of Tomato Genomics Resources

ORGANIZED BY

**RTGR, Dept. of Plant Sciences
University of Hyderabad**

COORDINATOR

Prof. Y. Sreelakshmi



सत्यमेव जयते



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