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To
The Editor,
Sir,

Date: 16.10.2023

I request that the following message may kindly be published in your esteemed daily:

**TNAU conducts Hands on Training in Innovative Solutions for Protein
Characterization: “MALDI TOF- MS”**

Tamil Nadu Agricultural University’s Centre of Excellence in Biotechnology organised ‘Hands on Training in Innovative solutions for Protein Characterization: “MALDI TOF- MS” on October 16th& 17th, 2023’ at CPMB&B. The participants include research scholars and faculties from various colleges and research institutes from all over India.

Dr.A.John Joel, Professor & Head, Department of Plant Molecular Biology & Bioinformatics, CPMB&B, TNAU welcomed the gathering and explained about importance of advanced tools for proteomic analysis and the facility can be availed by the researchers and students from TNAU and other institutes.

Dr.N.Senthil, Director (CPMB&B), TNAU in his inaugural address highlighted importance of proteomics analysis in determining the quality of protein and identification of novel proteins related to cancer diagnostics. He also stressed about the data processing in various proteomics applications. The Centre of Excellence in Biotechnology is a Section 8 Company, it is supporting the agricultural industries/startups and people working on differential expressions studies, he added.

Dr. R. Umarani, Director, Seed Centre, TNAU in her presidential address explained about the developments in proteomics study and its applications. The advanced tools in proteomics viz., mass spectrometry, 2-D gel electrophoresis, microarray, MALDI TOF should be widely used in the current and future proteomics research. The proteome difference in seed and grain can be assessed by identification of protein biomarker using the advanced tools of proteomics, she added.

Finally, Dr.S.Mohan Kumar, Professor and Project Director (CoEB) proposed the vote of thanks. He explained about the importance of proteomics and the development of metabolomic and proteomic facility in TNAU.

In continuation, Mr.D.Venkatesh and P.Saravanan from Spinco Biotech PVT Ltd., explained about the mass spectrometry, the basics of software and hardware of MALDI TOFF and loading of trypsin digested samples into MALDI TOFF instrument. The sample analysis and interpretation of results were explained and demonstrated in detail to the participants.

Public Relations Officer