



**B. A. COLLEGE OF AGRICULTURE
ANAND AGRICULTURAL UNIVERSITY
ANAND- 388 110 (GUJARAT)**



Expert lecture on “Defining crop varietal diversity using metabolite fingerprinting” organized at BACA

An expert lecture on “**Defining crop varietal diversity using metabolite fingerprinting**” was organized jointly by the Department of Genetics and Plant Breeding, B. A. College of Agriculture, AAU and NAHEP-CAAST, IABMI on June 21, 2023 at 10.00 hrs. at the examination Hall. Prof. Luis Mur, Director of Research for Biology and Health, Aberystwyth University (UK) was the esteemed speaker at this occasion. About 200 participants including Dr. Y.M. Shukla, Principal & Dean, B.A. College of Agriculture, Dr. R. S. Pundir, PI NAHEP-CAAST, AAU., Heads of various departments, faculty members along with PG students attended the talk.

The programme was initiated with the welcome address by Dr. Akarsh Parihar, Professor and Head, Department of Genetics and Plant Breeding, followed by floral welcome of the guest speaker and distinguished personalities. Dr. Akarsh Parihar, Professor and Head, Department of Genetics and Plant Breeding gave the opening remarks in the seminar. Prof. Luis, the speaker on this occasion, sensitizing all the participants presented a very vast account of Metabolomics and High throughput Phenomics facilities present at his laboratory. He talked about the metabolic study on Pearl Millet and Tef (A hidden and unexplored gem in the family of cereals that is rich in nutrient composition and gluten free). He also talked about the laser assisted rapid evaporative ionisation mass spectrometry (LA-REIMS) technique in wheat and oat to decipher metabolites involved in various pathways. Various current and future challenges as well as future prospects in the field of Metabolomics and Phenomics were also discussed by Prof. Luis.

He satisfactorily addressed the queries placed by the students and faculty members with much interest and patience. The audience especially students were sensitized with the talk. Dr. Y.M. Shukla, Dean, BACA felicitated the speaker with a Memento. The two-hour long session including talk and interaction among the participants ended with the concluding remarks by Dr. Y. M. Shukla, Dean, BACA, who emphasized the importance of millets for public health and how the metabolomic and phenomics could be help to address the challenges in the production of millets. Some collaborative ideas were also shared among the Principal and Dean, BACA, AAU, faculty members of crop improvement group and Prof. Luis. The programme was ended with vote of thanks given by Dr. Arna Das, Assistant Professor (GPB), BACA, AAU, Anand.

