

Scientific Discussion on Potential Applications of LC-MS and GC-MS Instruments Organized

18th June 2014, Pune

National Research Centre for Grapes (NRCG), Pune organized a one day scientific discussion on 'Potential applications of LC-MS and GC-MS instruments for various life science experiments' on 18th June, 2014 to explore the possibility of planning inter-disciplinary research programmes utilizing these advanced facilities.



Dr. S.D. Sawant, Director, NRCG chaired the session and welcomed the participants. He stressed upon the need of collaborative research in multi-disciplinary approach utilizing these techniques. Dr. Sawant urged scientists of NRCG to take active initiatives in developing innovative and collaborative interdisciplinary research projects with a dimension of mass spectrometric applications in their respective subject of specialization.

Dr. K. Banerjee, In-Charge National Referral Laboratory (NRL) briefed about the various equipments available at NRL and explained their functions and spectrum of applications.

Eminent researchers from NRCG and other institutions made their presentations on various aspects and current trends of applications of these advance instrumentation techniques and explained how such techniques can facilitate high quality agricultural research especially in the fields of metabolomics, proteomics, lipido-proteomics, profiling of aroma compounds, fatty acids, amino acids, etc.

At present, the application of advanced GC-MS and LC-MS instruments are mostly confined to the field of food safety assessment in relation to the residues of pesticides and other food and environmental contaminants.

(Source: NRCG, Pune)