

Press Note
PhD Students' Presentations during 62nd Convocation of ICAR-IARI, New Delhi
05.02.2024

The 62nd Convocation week (February 4-9, 2024) of ICAR–Indian Agricultural Research Institute, New Delhi started with academic fervor on 4th February, 2024 with the presentations of significant post-graduate students' research by the selected M. Sc. / M. Tech students for merit medals and Best student of the year award in B.P. Pal Auditorium. The second day had deliberations on the significant Post-graduate students' research by the Ph.D. students for Merit Medals and NABARD Professor V L Chopra Gold Medal and Best Student of the Year awards under the chairmanship of Dr. Arvind Kumar, Former DDG (Edn.), ICAR and Vice Chancellor RLBCAU, Jhansi and convener Dr. Anil Dahuja, Professor, Division of Biochemistry and Coordinator, IQAC. Dr. Anupama Singh, Dean & Joint Director (Education) in her opening remarks welcomed the chairperson, jury members, faculty, and students of the institute. She also informed the house that there is a total of 23 presentations for merit medal and award.

The salient works of the students included Appraisal of resin assisted purification mechanism of anthocyanins; Multi-market and multi-regional analysis of important cereals in India; Development of vacuum impregnation technology for shelf-life enhancement of vegetables; Analytical study on livelihood and climate change adaptations among the communities of biosphere reserves and heritage zones; Assessment of wheat stripe rust and chickpea wilt through thermal and optical remote sensing; study on wavelet-based nonlinear time series models for capturing volatility in agriculture; Modelling the impact of tillage and nitrogen management on yield and nitrogen dynamics in a long-term conservation agriculture-based maize-wheat system; Deciphering miRNome modulation at reproductive stage drought in rice genotypes; Computational intelligence in the discovery of natural products from agriculturally important metagenomics data; Elucidating biological and biochemical interaction between popular cultivars of Brassica juncea (L.) Czern & Cross. and Lipaphis erysimi (Kaltenbach); Impact of elevated ozone, carbon dioxide and their interaction on pollination ecosystem services in Indian mustard; Induction of doubled haploids through androgenesis and characterization of doubled haploid-based hybrids for qualitative and quantitative traits in marigold; In vitro mutagenesis and validation of mutants using molecular markers in Kinnow mandarin; Analysis of genetic variability, molecular characterization and marker-assisted enrichment of kernel oil in maize; Microbiome mediated management of heat stress in wheat; Understanding epigenetic regulatory mechanisms influencing drought tolerance pathways for identification of key genes in chickpea; Genome-wide association mapping of cowpea germplasm for key quality traits; Virome analysis for identification and characterization of virus(es) associated with mosaic disease of mustard; Genome-wide analysis of calcium signalling network genes and their role in nitrogen response of bread wheat; Studies on thermotolerance and its induction during seed germination and seedling growth in rice; Solubilization of soil phosphorus using rice residues and phosphorus solubilizing microorganisms; Understanding the physio-biochemical and molecular basis for high-temperature tolerance in cucumber; Development of filter for drip nutrification with biogas digestate. The Chairman complimented the quality of post-graduate research and exhorted the students to pursue in-depth analytical studies to generate quality information for the advancement of agricultural sciences.

Courtesy
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