

Brief note of 1st Day of 56th Convocation of IARI

The 56th ICAR –IARI Convocation week (February 5-9, 2018) started on 5th February, 2018 with presentations of significant research achievements of post-graduate students. The programme commenced under the chairmanship of Dr. V.N. Sharda, Former Member, ASRB and the convener of the programme was Dr. D.K. Singh, Professor, Agricultural Engineering. Other dignitaries present were Dr.A.K.Singh, Director, ICAR-IARI; Dr. R. K. Jain, Dean & Joint Director (Education) and Dr J.P.Sharma, Joint Director (Extension) along jury members Dr. C.L. Acharya, Ex-VC, CSKHPKV, Dr. V.K. Gupta, and Dr. J. Kumar, Dean, GBPUAT, Dr. Koundal, Former Joint Director (Research) graced the occasion. In his remarks, Dr. R. K. Jain, Dean & Joint Director (Education) informed that from the post graduate students' research, 323 research publications were published in reputed research journals.

The first day of the Convocation programme experienced 33 presentations out of which there were 18 M.Sc. and 15 Ph. D presentations.

The presentation from crop improvement included the research work on evaluation of backcross derived lines of chickpea for drought tolerance, Association mapping for grain iron and Zinc content in pearl millet.

School of Horticultural Sciences presentations included studies on evaluation of papaya genotypes for low temperature stress tolerance, plant regeneration in marigold through in vitro culture of male and female gametophytes, and identification of genes associated with mango malformation through differential expression analysis.

The presentation from School of Natural Resource Management included modelling of soil hydrothermal dynamics and water cycle in pigeonpea under conservation agriculture, effect of integrated crop management modules on direct seeded Basmati rice, weather- and Remote Sensing-based crop modelling for current wheat crop insurance, modelling of hydrological processes in ravine watershed in South-Eastern Rajasthan, assessing bio-availability of metals in contaminated soils; activity of potassium solubilizing microorganisms in extracting potassium from Mica waste in mustard crop.

The presentation from School of Crop protection includes selection of compatible biocontrol Consortium effective against Fusarium wilt of tomato, orientation and Genome characterization and development of diagnostics of citrus yellow vein clearing virus associated with citrus in India, bio-systematic studies of fig wasp in India and foraging behaviour of *Coccinella transversalis*.

School of Basic Sciences presentation included studies on wheat oxygen evolving enhancer protein gene family in response to heat stress, impact of elevated carbon dioxide on nitrogen metabolism and nitrate signalling in wheat, isoflavone biosynthesis and its accumulation in soybean seeds and Molecular analysis of association between oxygen and reproductive stages stress tolerance in rice.

School of Social Sciences represented research on economic analysis of Agricultural diversification and its impact on farm income, development of web-server for discovery of polymorphic microsatellite DNA marker, Long memory time series model for price forecasting and agricultural growth non-farm employment and poverty in India, Experimental designs for nonlinear response surfaces; ICT mediated social learning for Risk adjustment in agriculture.