



SPARC-MHRD sponsored

International Workshop
on

New Approaches in Seed Technology for Quality Assurance

20 - 29
November
2019



Organized by

Department of Seed Science & Technology
College of Agriculture
CCS Haryana Agricultural University
Hisar - 125004, (Haryana) India



About the University

The Haryana Agricultural University was established on February 2, 1970, as a result of bifurcation of the erstwhile Punjab Agricultural University, through a Presidential Ordinance, ratified later by the Haryana and Punjab Agricultural Universities Act, 1970 (Act No 16 of 1970) passed by the Lok Sabha on 29th March, 1970. From 31st October, 1991, it has been renamed as Chaudhary Charan Singh Haryana Agricultural University. The University is spread over an area of 7219 acres at Hisar and 1426 acres at outstations. Area at Hisar under farms is 6483 acres and under buildings and roads is 736 acres. During its existence so far it has made rapid progress in building an excellent infrastructure. It has one of the best developed campuses in India to meet academic and extra-curricular needs of the students. February 2019 marks a significant milestone in CCSHAU's history : Beginning of Golden Jubilee Year. To commemorate the occasion, a plethora of exciting events are planned which are spread over the year with our collaborators/ partners, alumni and well wishers.

Course Background

Seed is the basic and vital input for enhancing agricultural production as the potential of other inputs like irrigations, fertilizers, pesticides also depends upon the quality of seed used. If seed quality will not be good, we can't imagine good production. Seed quality is generally used to reflect the overall value of the seed for planting purpose and as the role of the seed as the basic reproductive unit, make germination and physical purity of the seed lot, important aspect of quality for which the seed is tested. Seed testing forms the basis for distinguishing good seed from inferior seed, which confirms the planting value of seed. Most methods presently used for seed quality detecting are destructive, slow and need pre-treatment, therefore developing advanced methods, which are rapid, is of great significance for seed quality testing.

The Department of Seed Science and Technology, College of Agriculture, CCS Haryana Agricultural University, Hisar, Haryana is organising a ten days SPARC-MHRD-sponsored International Workshop on "New Approaches in Seed Technology for Quality Assurance". The proposed workshop has been designed keeping in view the needs of the teachers, seed producers and researchers from ICAR/SAU/State Univ. & Colleges, Post Docs and Doctoral Students. The workshop will include expert lectures as well as hands on training sessions.

Objective of Workshop Cum Hands-on-training

To equip participants with basic and advanced techniques of seed testing so that they would apply this knowledge for betterment of agriculture.

Topics To Be Covered

The workshop will cover the following topics

- Advance techniques in seed quality testing (sampling , Moisture determination, Physical Purity, Germination Testing , Vigour Testing, Seed Health – use of image analysis for seed quality assessment including X-ray and multispectral / hyperspectral imaging, molecular testing for seed health where seed is pathway for pests.)
- IPR issues related to seed sector
- Maintenance breeding for quality seed production
- Seed storage – use of cryopreservation storage of desiccation sensitive seed Seed
- Genetic purity – use of bimolecular techniques for genetic identification
- GM seeds – implications of new technologies for testing of GM seeds.
- Quality assurance in testing – data capture during seed quality assessment.

The above topics will be extensively covered in the form of lectures and presentations delivered by the eminent experts of same area, which will be followed by hands-on-training.

Who Can Attend

Ph. D Student/Research Associate /PDF/Young Faculty Participants must have at least Master's degree in any discipline of Agriculture and must be actively involved in research in the area of Seed Technology/Genetics & Plant Breeding/Seed Production.

Registration Fee

No fee will be charged for this workshop.

Accommodation

Accommodation will be provided on request basis. The participant will have to pay the charges.

How to Apply

Duly signed scanned copy of application along with updated resume duly forwarded by the competent authority of the department/ institute/ university where the candidate is presently working/studying may be sent to the organizing secretary on or before 10th November, 2019 at the E-mail bhuker.axay@gmail.com (applications will be accepted only through E-mail).



For any query, please contact the Organizing Secretary or the Office of Dept. of Seed Science and Technology, College of Agriculture, CCS Haryana Agricultural University, Hisar - 125004, (Haryana) India
Phone: Tel. 01662-255396 (O)
Email : bhuker.axay@gmail.com

Organizing Committee

Chief Patron

Prof. K. P. Singh

Vice-Chancellor, CCS Haryana Agricultural University , Hisar

Patrons

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Course Director

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Department of Seed Science & Technology
Collage of Agriculture, CCSHAU, Hisar
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Course Co-Director

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Massey University, Palmerstone North, New Zealand
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Head, Deptt. of SST, COA, CCSHAU, Hisar

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Course Co-Director Cum Organizing Secretary

Dr. V. S. Mor

Assistant Scientist, Deptt. of Seed Science & Technology
Collage of Agriculture, CCSHAU, Hisar
(Indian Co-PI of SPARC Project)



Name _____

Date of Birth _____

Designation _____

Department _____

Institute _____

State _____ Tel. No. _____ Mobile No. _____

E _____ m a i l

ID _____

Sex _____ Age _____ Nationality _____

Educational Qualifications _____

E-mail Id. _____

Mobile No. _____

Research area of interest _____

List of three most recent publications relevant to the workshop with impact factor/NAAS Rating :

How will your research benefit from the participation in this event?

Accommodation Required : Yes No

Signature of Applicant

Signature of Research Supervisor/Project Coordinator/
Head of the Department/Institution/University with seal

Maximum Number of Participants: 20

Participants must bring their own Laptop.