

Application Form

1. Full Name: _____
2. Designation: _____
3. Sex: _____ 4. Date of birth _____
5. Present address: _____

6. Tel No. _____ (office) _____ (Res)
Mobile: _____
7. Email address _____
8. Teaching/ research /professional experience along with the posts held
(during last five years)

Post held	Institution	Period	Nature of duty

9. Academic records

Exam Passed	Subjects	Year of passing	Percent/ OGPA	University
Ph.D.				
Masters degree				
Bachelors degree				

Signature of the applicant

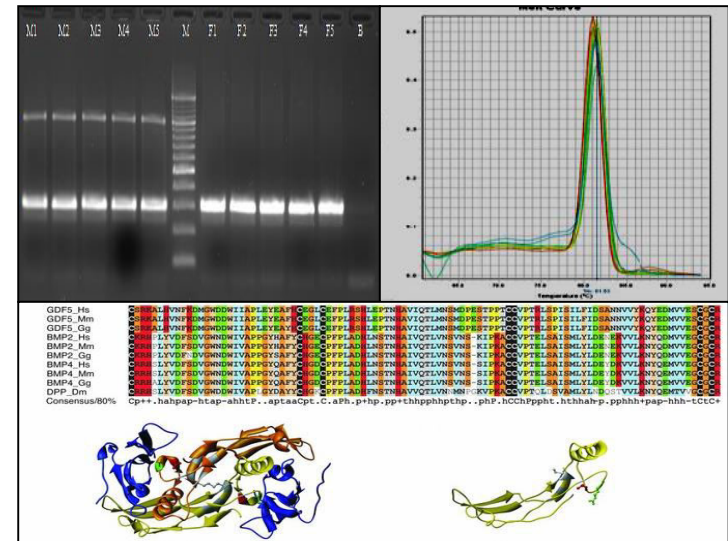
10. Date: _____
11. Place: _____

12. Recommendation of Head of forwarding institution/organization:

Three weeks training course on

Use of Biotechnology & Bioinformatics Tools for Genome Analysis

July 17 to Aug 7, 2017



Course Director: Dr Neelam R. Yadav

**Course Coordinators:
Dr. Pushpa Kharb, Dr. Sudhir Kumar and
Ms. Neeru Singh Redhu**

Organized By

**Department of Molecular Biology, Biotechnology & Bioinformatics
CCS Haryana Agricultural University, Hisar, Haryana**

Hisar: It is located 165 Km from Delhi and 320 Km from Jaipur. It is well connected to Delhi, Jaipur and other cities of Haryana and neighboring states by train and/or bus.

Duration -Three weeks: July 17 to Aug 7, 2017

Course Fees: Participants are requested to pay a sum of Rs. 5000/- (Rs five thousand only) as registration fee. The registration fee shall be deposited in cash in advance or at the time of registration on **July 17, 2017**

Laboratory and computing facilities: The departmental laboratories are well equipped and advanced facilities for bioinformatics analysis are available.

Lodging and Boarding: Arrangements for the stay of the student participants during the training program will have to be made by the students on their own. Faculty from the Govt. institutes/Univ. or ICAR may be accommodated in faculty house/ trainees hostel of the university on payment basis.

Number of Participants: The maximum number of participants will be 20.

Eligibility: Participants (faculty and graduate students) are invited from ICAR Institutes/ SAUs/ State Governments/Private Organizations.

How to apply: The application for participation may be sent on prescribed format, duly forwarded by Head of the institution. It should reach the Course Director latest by **July 14, 2017** by post, fax or email. TA & DA of the participants will be borne by participants/sponsoring institutions/ organizations etc. The participants will be selected on 'first come first serve' basis and shall be registered on **July 17, 2017**.

All correspondence may please be addressed to:

Dr. Neelam R Yadav,

Course Director and Professor & Head

Dept of Molecular Biology, Biotechnology & Bioinformatics,

CCS Haryana Agricultural University, Hisar 125004

Phone no. 01662-285407,

Email: nryadav58@gmail.com or hodmbbbb@gmail.com

Photocopy of the application form can be used

Training course on “Use of Biotechnology & Bioinformatics Tools for Genome Analysis”

Biotechnology and Bioinformatics encompassing areas of plant tissue culture, transgenic development, linkage mapping, marker-assisted selection, and structural and functional genomics have provided us ample opportunities for mass propagation, genome analysis, genetic improvement and value addition in plants and microbes. It is believed that the next revolution in agriculture can be achieved only by the effective application of biotechnological/ genomic tools. To meet the increasing demand, strategies for agricultural research have to be reoriented. Both conventional and biotechnological tools have to be used in conjunction to not only improve the crop productivity but also the nutritional quality and industrial utility of crop species. The present era of 'Biotechnology' requires skilled human resources in this high throughput area.

The Department of Molecular Biology, Biotechnology & Bioinformatics, CCS Haryana Agricultural University, Hisar, Haryana, is organizing three weeks hands-on-training on 'Use of Biotechnology & Bioinformatics Tools for Genome Analysis'. The proposed training has been designed keeping in view the needs of the teachers and researchers from ICAR/SAU/State Univ. & Colleges and Graduate college students. The training programme will include lectures as well as practical classes.

Course contents:

- Plant tissue culture and genetic transformation.
- Molecular markers, linkage mapping, marker-assisted selection and various aspects of molecular breeding.
- Structural and functional genomics

Hands-on-training:

- Plant regeneration and transformation
- Isolation of plasmid DNA and genomic DNA & RNA.
- PCR using molecular markers, resolution by gel electrophoresis and data analysis
- RT-PCR and cloning of RT-PCR products in *E.coli*.
- Bioinformatics tools in structural and functional genomics

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Signature of the applicant

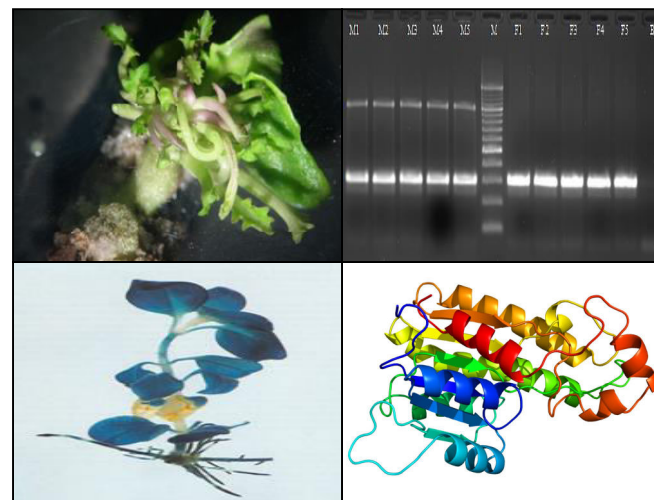
10. Date: _____

11. Place: _____

12. Recommendation of Head of forwarding institution/organization:

Six weeks hands on practical training course on *Plant Tissue Culture, Genomics and Computational Tools for Crop Improvement*

July 17 to August 28, 2017



Course Director: Dr Neelam R. Yadav

Course Coordinators:

**Dr. Virendra K. Sikka, Dr. Shikha Yashveer and
Ms. Neeru Singh Redhu**

Organized By

**Department of Molecular Biology, Biotechnology & Bioinformatics
CCS Haryana Agricultural University, Hisar, Haryana**

Hisar: It is located 165 Km from Delhi and 320 Km from Jaipur. It is well connected to Delhi, Jaipur and other cities of Haryana and neighboring states by train and/or bus.

Duration -Six weeks: July 17 to Aug 28, 2017

Course Fees: Participants are requested to pay a sum of Rs. 10000/- (Rs ten thousand only) as registration fee. The registration fee shall be deposited in cash in advance or at the time of registration on **July 17, 2017**

Laboratory and computing facilities: The departmental laboratories are well equipped with modern equipments and other facilities.

Lodging and Boarding: Arrangements for the stay of the student participants during the training program will have to be made by the students on their own. Faculty from the Govt. institutes/Univ. or ICAR may be accommodated in faculty house/ trainees hostel of the university on payment basis.

Number of Participants: The maximum number of participants shall be 20.

Eligibility: Participants (faculty and graduate students) are invited from ICAR Institutes/ SAUs/Basic Science Institutes/ State Governments/Private Organizations.

How to apply: The application for participation may be sent on prescribed format, duly forwarded by Head of the institution. It should reach the Course Director latest by **July 14, 2017** by post, fax or email. TA & DA of the participants will be borne by participants/sponsoring institutions/ organizations etc. The participants will be selected on 'first come first serve' basis and shall be registered on **July 17, 2017**.

All correspondence may please be addressed to:

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Dept of Molecular Biology, Biotechnology & Bioinformatics,
CCS Haryana Agricultural University, Hisar 125004
Phone no. 01662-285407,

Email: nryadav58@gmail.com, hodmbbbb@gmail.com

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Training course on “Plant Tissue Culture, Genomics and Computational Tools for Crop Improvement”

Biotechnology and Bioinformatics encompassing areas of plant tissue culture, transgenic development, linkage mapping, marker-assisted selection, and structural and functional genomics have provided us ample opportunities for mass propagation, genome analysis, genetic improvement and value addition in plants and microbes. It is believed that the next revolution in agriculture can be achieved only by the effective application of biotechnological/ genomic tools. To meet the increasing demand, strategies for agricultural research have to be reoriented. Both conventional and biotechnological tools have to be used in conjunction to not only improve the crop productivity but also the nutritional quality and industrial utility of crop species. The present era of 'Biotechnology' requires skilled human resources in this high throughput area.

The Department of Molecular Biology, Biotechnology & Bioinformatics, CCS Haryana Agricultural University, Hisar, Haryana, is organizing three weeks hands-on-training on '**Plant Tissue Culture, Genomics and Computational Tools for Crop Improvement**'. The proposed training has been designed keeping in view the needs of the teachers and researchers from ICAR/SAU/State Univ. & Colleges and Graduate college students. The training programme will include lectures as well as practical classes.

Course contents:

- Plant tissue culture and genetic transformation.
- Molecular markers, linkage mapping, marker-assisted selection and various aspects of molecular breeding.
- Structural and functional genomics

Hands-on-training:

- Plant regeneration and transformation
- Isolation of plasmid DNA and genomic DNA & RNA.
- PCR using molecular markers, resolution by gel electrophoresis and data analysis
- RT-PCR and cloning of RT-PCR products in *E.coli*.
- Bioinformatics tools in structural and functional genomics
- Three weeks mini-project on plant tissue culture/ genetic transformation/ marker technology/ microbial biotechnology/ bioinformatics tools.