



Junagadh Agricultural University

Five Days
Online Training Programme
on



“Recent Trends in Crop Improvement”

Under the aegis of
NAHEP- IDP

February 15 - 19, 2021

: Venue :



-: Organized by :-

Department of Genetics and Plant Breeding
College of Agriculture
Junagadh Agricultural University
Junagadh – 362001, Gujarat

Note :

- Registration link for UG students of JAU, Junagadh:
<https://forms.gle/Ryf87oEZAey9dnAy5>
- Registration link for other participants:
<https://forms.gle/TcS3a5YjXfDAunLQ7>

- Selected participants will be provided meeting ID through their personal mail IDs
- E-certificates will be provided to all the selected participants only after tracking of their everyday presence using automated attendance.

Central Organizing Committee

Chief Patron

Dr. V. P. Chovatia

Hon'ble Vice-Chancellor
Junagadh Agricultural University, Junagadh

Chairman

Dr. K. A. Khunt

Principal & Co-PI (IDP)
CoA, JAU, Junagadh

Guest of Honour

Dr. A. R. Pathak

Ex. Vice-Chancellor
Junagadh Agricultural University, Junagadh

Invitees

Dr. H. M. Gajipara

Director of Ext. Edu.
JAU, Junagadh

Dr. P. M. Chauhan

Registrar & Co-PI (IDP)
JAU, Junagadh

Dr. V. R. Malam

Director of Student's Welfare
JAU, Junagadh

Dr. P. Mohnot

ADR & Nodal officer (ICAR)
JAU, Junagadh

Organizing Secretary

Dr. D. R. Mehta

Professor & Head
Department of Genetics and Plant Breeding
CoA, JAU, Junagadh

Co - Organizing Secretary

Dr. G. U. Kulkarni

Associate Professor
Department of Genetics and Plant Breeding
CoA, JAU, Junagadh

Dr. L. J. Raval

Associate Research Scientist
Department of Genetics and Plant Breeding
CoA, JAU, Junagadh



About the training programme :

This training programme will be conducted under the aegis of NAHEP-IDP and a project being operated at the Junagadh Agricultural University funded by ICAR, New Delhi with objective to improve the overall competency of the undergraduate students of the University along with strengthening the existing Industry-Academia liaison and to improve entrepreneurial inclination among the under graduate students.

As per estimates for 2019-20, total food grain production in the country is estimated at record 291.95 million tonnes. Among which rice contributed 117 M.T; wheat 117.47 M.T; pulses 23.02 M.T; oilseeds 34.20 M.T; and cotton 35 million bales. This fruitful outcome achieved through the recent techniques of varietal improvement programme.

Crop improvement refers to the genetic alteration of plants to satisfy human needs ranging from untaional changes resulting from the advent of agriculture to the application of molecular tools and techniques for precision breeding. The ultimate goal of crop breeding is to develop high yielding varieties with other desirable agronomic characteristics. The plant breeders try to attain these goals but emphasis on one target trait leads to instability in another. For example emphasis on high-quality tends to result in unstable yields; Likewise introgressing the disease or insect resistant traits minimizes the quality.

The breeding objectives and methodology varies with crop to crop. Under the agies of 21st century, the crop breeding is not only limited to gain in yield but also concerns the consumers demand and quality parameters. The farmers are also interested to grow varieties with minimal inputs with maximum productivity. It is the challenges task for plant breeders to bread such varieties. As new trends of crop improvement involve use of wild PGR through wide crossing, biofortification, genomic selection, recombinant-DNA technology, marker assisted selection and transgenic breeding etc.

In view of this to keep the students updated with recent advancement, achievements and research techniques, traits to improve in crop improvement, the training entitled, ***“Recent Trends in Crop Improvement”*** is proposed with the following objectives,







Accordingly, the specific objectives of the intended training programme are as follows :

1. To improve awareness, interest and skills among undergraduate students in modern research techniques of crop improvement for a rewarding career ahead
2. To update the achievements of crop improvement through modern tools and techniques in different crops



Inaugural Session (15th Feb., 2021 9:00 AM Onwards)



Programme Details

<p>Welcome Address: Dr. D. R. Mehta Professor & Head Department of Genetics and Plant Breeding CoA, JAU, Junagadh</p>	
Launching of the training manual	
<p>Introductory Remarks: Dr. K. A. Khunt Principal & Co-PI (IDP) CoA, JAU, Junagadh</p>	
<p>Special Address : Dr. P. M. Chauhan Registrar and Co-PI (IDP) JAU, Junagadh</p>	
<p>Guest of Honour Address: Dr. A. R. Pathak Ex. Vice-Chancellor Junagadh Agricultural University, Junagadh</p>	
<p>Presidential Remarks: Dr. V. P. Chovatia Hon'ble Vice Chancellor and PI-NAHEP(IDP) JAU, Junagadh</p>	
<p>Vote of Thanks Dr. G. U. Kulkarni Associate Professor Department of Genetics and Plant Breeding CoA, JAU, Junagadh</p>	





Day 1 : 15th February, 2021 – Monday

Technical Session & Eminent Speakers

Speaker and affiliation	Title of guest lecture	Date and Time	Guest Speaker
Dr. H. L. Dhaduk Research Scientist and Head Medicinal and Aromatic Research Station Anand Agril. University Anand, 388110	Nursery techniques in medicinal and aromatic crop plants	15 th February, 2021 10:00 to 12:00 hrs	
12:00 to 15:00 Lunch and Activity Break			
Dr. G. P. Mishra Senior Scientist Genetics and Plant Breeding Pulses Lane Indian Institute of Agricultural Research New Delhi	Recent trends in pulses improvement	15 th February, 2021 15:00 to 17:00 hrs	



Day 2 : 16th February, 2021 – Tuesday

Speaker and affiliation	Title of guest lecture	Date and Time	Guest Speaker
Dr. Surya Nath Singh Chaurasia Principal Scientist Division of Crop Production IIVR- Varanasi	Genetic improvement in underutilized vegetable crops	16 th February, 2021 10:00 to 12:00 hrs	
12:00 to 15:00 Lunch and Activity Break			
Dr. Akarsh Parihar Research Scientist Department of Biotechnology B.A. College of Agriculture Anand Agricultural University Anand-388110	Wide Hybridization in crop improvement	16 th February, 2021 15:00 to 17:00 hrs	






Day 3 : 17th February, 2021 – Wednesday

Technical Session & Eminent Speakers



Speaker and affiliation	Title of guest lecture	Date and Time	Guest Speaker
Dr. S. P. Deshpande Senior Scientist (Genomics & Mol. Breeding) ICRIASAT, Pattencheru -502324	Recent trends in Sorghum improvement	17 th February, 2021 10:00 to 12:00 hrs	
12:00 to 15:00 Lunch and Activity Break			
Dr. Nandan Mehta Principal Scientist Department of Genetics and Pl. Breeding Indira Gandhi KrishiVishwa Vidyalaya (IGKV) Krishak Nagar Raipur-942012 (C.G.)	Recent trends in cereal improvement	17 th February, 2021 15:00 to 17:00 hrs	

Day 4 : 18th February, 2021 – Thursday

Speaker and affiliation	Title of guest lecture	Date and Time	Guest Speaker
Dr. V. P. Patel Associate Professor Regional Rice Research Station Navsari Agricultural University Vyara-392012	Rice improvement in Gujarat	18 th February, 2021 09:00 to 11:00 hrs	
Dr. S. D. Solanki Associate Professor and Head Department of Genetics and Plant Breeding, C. P. College of Agriculture S. D. Agricultural University, Sardarkrushinagar	Recent trends in castor improvement	18 th February, 2021 11:00 to 13:00 hrs	
13:00 to 15:00 Lunch and Activity Break			
Dr. S. K. Bera Principal Scientist ICAR- DGR Junagadh	Recent trends in Groundnut improvement	18 th February, 2021 15:00 to 17:00 hrs	







Day 5 : 19th February, 2021 – Friday
Technical Session & Eminent Speakers

Speaker and affiliation	Title of guest lecture	Date and Time	Guest Speaker
Dr. K. S. Baig Cotton Specialist Cotton Research Station VNMKV, Nanded	Introgressive breeding for cotton improvement	19 th February, 2021 10:00 to 12:00 hrs	
12:00 to 14:30 Lunch and Activity Break			
Kriti Vardhan Assistant Professor ASPEE College of Horticulture NAU, Navsari	Roots of future crops	19 th February, 2021 14:30 to 16:30 hrs	



Valedictory Session (19th Feb., 2021 – Friday)

<p>Welcome Address by:</p> <p>Dr. D. R. Mehta Professor & Head Department of Genetics and Plant Breeding CoA, JAU, Junagadh</p>	
<p>Valedictory Remarks:</p> <p>Dr. P. Mohnot ADR & Nodal Officer (ICAR) JAU, Junagadh</p>	
<p>Guest of Honour Address:</p> <p>Kriti Vardhan Assistant Professor ASPEE College of Horticulture NAU, Navsari</p>	
<p>Presidential Address:</p> <p>Dr. K. A. Khunt Principal & Co-PI (IDP) CoA, JAU, Junagadh</p>	

Feedback of the Participants

Vote of Thanks

National Anthem



Contact for further details:

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