

ABOUT THE INSTITUTE

Rajasthan Agricultural Research Institute (RARI) is a constituent research station under Sri Karan Narendra Agriculture University, Jobner (Jaipur-Rajasthan). This research station was initially under the control of the State Govt., which in April 1977 transferred to the Udaipur University, a multi-faculty university. Later, in 1987, the first Agricultural University in the state was established at Bikaner and this research station came under the jurisdiction of the Swami Keshwanand Rajasthan Agricultural University. In September 2013, Govt. of Rajasthan established new Agricultural University at Sri Karan Narendra Agriculture University (SKNAU), Jobner and this institute became the major research centre of the newly established university. The valuable contributions made by the agricultural scientists of this pioneer research stations helped the nation in maintaining the balance between its population growth and agricultural production. About the AICRPs and several ad hoc projects are operative in this institute. A number of varieties and production technologies have been developed here. RARI, Durgapura has become a popular name among farmers for reliable technology development in agricultural research. Beside agricultural research, the institute is imparting Ph D programme in major disciplines.

IMPORTANT DATES

1.	Last date for receipt of application :	30-10-2018
2.	Intimation of selection of participants :	05-11-2018
3.	Last date for confirmation of participants :	15-11-2018

ALL CORRESPONDENCE SHOULD BE ADDRESSED TO

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 Rajasthan Agricultural Research Institute
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Course Director **Course Coordinator**

Dr. (Mrs.) Rani Sexena Dr. (Mrs.) Sunita Gupta
 Asstt. Professor Professor

Course Co-ordinators

Dr. S. K. Goyal Mr. Jogendra Singh
 Asstt. Professor Asstt. Professor

Mr. Nitin Garg Mr. Tarun Kumar Jatwa
 Asstt. Professor Asstt. Professor

CAFT Training Programme on " Advances in Agricultural Techniques to Enhance Crop Production: Towards Climate Resilient Agriculture"

1. Full Name (In Block Letters) :
2. Designation :
3. Present employer address :
4. Address to which reply should be sent (along with mobile, telephone and email) :
5. Permanent address :
6. Date of Birth : 7. Sex. (Male/Female)
7. Teaching/Research/Professional experience Mention posts held during last 5 years and no. of publications :
8. Marital status : (Married/Unmarried)
9. Mention if you have participated in any Seminar, Summer/Winter School/Short Course, etc. during the previous years under ICAR/other organizations :
10. Academic record :

Degree	Discipline	Year	University
Bachelor			
Master			
Ph. D			

Date : _____
 Place : _____ Signature of applicant
11. Recommendation of forwarding authority :
 It is certified that information furnished by the candidate has been verified and found correct.

Signature of Authority with Seal

ICAR CENTRE OF ADVANCE FACULTY TRAINING

IN
 PLANT BIOTECHNOLOGY
 Advanced Training Course



" Advances in Agricultural Techniques to Enhance Crop Production: Towards Climate Resilient Agriculture"

10th – 30th December 2018



Dr. N. K. Gupta
CAFT DIRECTOR
Officer-Incharge, Seed Technology Research
Rajasthan Agricultural Research Institute
(SKN Agriculture University, Jobner)
Durgapura, Jaipur-302018

Dr. V. S Yadav
Director
Rajasthan Agricultural Research Institute
(SKN Agriculture University, Jobner)
Durgapura, Jaipur-302018

ABOUT THE CITY

Jaipur, the capital of Rajasthan state popularly known as the "PINK CITY" because of the colour of the stones used exclusively in the wall. It is founded on 18th November 1727 by Maharaja Sawai Jai Singh. Jaipur is famous for its unique monuments, Forts, Palaces, Art & Craft, and culture. Jaipur is renowned destination on the international tourism map .The famous destination are :-



HAWA MAHAL: Built in 1799, by Maharaja Sawai Pratap Singh, is the most recognizable monument of Jaipur. The 5 storied stunning semi-octagonal monument having 152 windows with over hanging latticed balconies is a fine piece of Rajput architecture.

JANTAR MANTAR (Observatory)

Built in 18th century by Maharaja Sawai Jai Singh II, the huge masonry instruments were used to study the movement of constellations and stars in the sky. Enormous sun-dial still provide accurate time, which are subject to daily corrections.



CITY PALACE AND S.M.S. II MUSEUM: Situated in the heart of the old City, it occupies about one seventh of the old city area. The palace is a blend of Rajput and Mughal architecture. It houses a even storeyed Chandra Mahal in the centre, which affords a fine view of the gardens and the city.

JAIGARH FORT: Standing on a hilltop, overlooking the palaces and city of Amer. The world biggest cannon on wheels- the Jai Ban is positioned here, built during reign of Maharaja Sawai Jaisingh. It has a twenty feet long barrel and pumped in the cannon for a single shot.



AMER: The old capital of the Kachhwahas stands a top a range of craggy hills. The fort is remarkable as much for the majestic grandeur of its surroundings as for its sturdy battlements and beautiful palaces. It is a fine blend of Hindu and Muslim architecture. The solemn dignity of its red sandstone and white marble pavilion when reflected in the lake at the foot hill, is a sight to behold.



ABOUT THE COURSE

Climate change impacts on agriculture are being witnessed all over the world, but developing countries like India are more vulnerable in terms of large population dependent on agriculture, excessive pressure on natural resources and poor cropping mechanisms. The global warming trend over the past 100 years has indicated an increase of 0.60^o C and it is in agreement among scientific community that global temperatures will continue to increase and need attention to implement actions to try to curtail global warming or take proper adaptive measures to mitigate the global climate change. Several studies have been done to know the impact of climate change on crop and it is resulted that the climate change will impact agricultural production and food security. Adaptive measures will be required to enhance the agricultural production under climatic variability. Rajasthan is one of the important state and major contributor in mustard, gram, wheat, millets production. Being arid and semi arid environment, there is rained area and agriculture is dependent on rainfall. Winter season crops are grown on conserved moisture of Kharif season. Hence, it is important to organize training base on adaptation and mitigation to climate change.

Adaption practices based on research data and information on climate, environmental, agricultural systems affected by climate will add to our existing know how. Keeping in view, the present 21 days training is planned to expose the trainees to the recent and advanced techniques to adapt and mitigate climate change.

COURSE CONTENT

The Course will broadly cover the following topics :-

- Studies on Climate Resilient Agriculture.
- Mitigation to Climate Change.
- Building resilience in crop & soil.
- Adapted cultivars and cropping systems.
- Water saving technologies.
- Crop contingency plans.
- Weather based agro advisories.
- Molecular approaches to enhance crop production.
- Biotechnological interventions to enhance crop productivity.
- Practicals. Physiological mechanisms, Biochemical markers, Isozymes, DNA isolation, PCR amplification, Electrophoresis, Visualization of polymorphism, Scoring data etc.

ELIGIBILITY

- Master's Degree in Plant Physiology, Biochemistry, Biotechnology, Microbiology, Plant Pathology, PBG, Botany etc.
- Working not below the rank of Assistant Professor and equivalent in the concerned subject in Agricultural University /ICAR Institute/State University.

HOW TO APPLY

As per the ICAR Instructions, the interested candidates should register and apply online through capacity Building Programme (CBP) portal as follows :

- Visit the website <http://www.iasri.res.in/cbp/> or click on Capacity Building Programme link under <http://www.icar.org.in/>
- Login using your user ID and Password or to create use ID use "Create New Account" link.
- After Login, click on "Participate in Training" link and fill the Performa.
- Take a printout of the application and get it approved by the competent authority of the institute/SAU. Upload the scanned copy of application through the above portal or send duly signed copy through proper channel to the Course Director of the training programme.

BOARDING AND LODGING

The lodging, boarding and travel expenses of the selected participant will be borne under the training budget as per University norms. Actual TA will be paid on the production of the tickets. The travel expenses will be restricted to a maximum of II-AC sleeper charges (III-AC sleeper charges for Assistant Professor) of train or bus and will be based on the criterion of pay scales of participants.

HOW TO REACH JAIPUR

The venue of the CAFT training programme is the Seed Technology Research (STR), Rajasthan Agricultural Research Institute, Durgapura, Jaipur (Rajasthan). The Institute (RARI) is about 3 km. from airport and 10 km from Jaipur railway station. Auto Rickshaw, city metro buses, taxi are easily available to reach the campus.

The month of December in Jaipur is cold and pleasant. The temperature ranges from 20-25 °C during day time and 10-15 °C during night time.