APPLICATION FORM
ICAR Short Course
On
Protected cultivation for enhancing resource use efficiency and productivity of horticultural crops
(15th to 24th October, 2019)

1. Full name (in capital letters):……
2. Designation:……...
3. Employer address:……..
   ……
   .....
4. Postal address (with Email and mobile no.)……...
   ……
   ……
   ……
5. Date of birth:……..
6. Sex (male/female):……

Academic record	Examination passed	Subject	Year	University/ Institute	Class/ Rank
Bachelors					
Masters					
Ph.D.					
Others					

7. Martial status:……
8. Educational qualification:……
9. Whether accommodation is required (Yes/No):……
10. Mention, if you have participated in training during previous years on similar theme:……
11. Level of computer application:……..
12. Research/Teaching/Professional experiences:……...
    ……
13. Payment details of ₹ 50/-as registration fee……...

Date…….
Place…… Signature of applicant

Recommendations of forwarding Institute:

Certificate

It is certified that the information furnished above has been verified and found to be correct

How to apply

Interested candidate may apply online via the website http://iasri.res.in/cbp. Necessary rules and guidelines are available in the website. For any query write mail to the course director or cbp@icar.gov.in. Please ensure to upload the scanned copy of the application form approved by the Director or Head of Organization

Eligibility

Participants should be from ICAR institutes/ State AUs/CAU/Agricultural faculty of AMU, BHU, Vishwa Bharati and Nagaland University in the cadre of Assistant Professor or equivalent or above. Selection based on short listing of applications and preference will be given to those who have not undertaken similar training anywhere. Decision of Course Director shall be final.

Number of seat: 25

Important dates

Last date of application: **25th September, 2019**
Intimation of selection: 30th September, 2019
Confirmation by participants: 7th October, 2019
Course commencement: 15th October, 2019
Course completion: 24th October, 2019

Address for correspondence

Dr. Pradeep Kumar (Course Director)
Senior Scientist
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Updates available at www.cazri.res.in

ICAR Short Course

Protected cultivation for enhancing resource use efficiency and productivity of horticultural crops

15th to 24th October, 2019

Organized by

ICAR-Central Arid Zone Research Institute
Jodhpur, Rajasthan, India 342003

Sponsored by

Indian Council of Agricultural Research

Background

Protected cultivation is one of the fastest growing sectors of horticulture across the country. It has emerged as a profitable venture because of its multifarious benefits. This production system alleviates the issues related to open field conditions such as temperature extremity, hot and cold waves, hail storms and rains, stray birds and animals attack and so on. Since it provides favourable environments, off-season cultivation is possible,. the yield enhancement is manifold, with superior quality of produce. Overall, it provides more returns per unit of area, per unit time and per unit of applied resources (water and fertilizers). For resource utilization point of view, protected cultivation is the highly preferred technology, particularly in resource limiting environments, besides its utilities is highly desirable for plant studies ascertained to precise results of applied treatments.

Further, the micro-environment inside the protected structures are influenced by several factors such as cladding materials, type and design of structure, agro-ecological regions and so on, which eventually affect the crop yield and quality. Moreover, micro-climatic requirement can vary with the crop species and their cultivars, therefore need based structure design and development of agro-techniques are the basis of success of protected cultivation for specific region. There are certain issues associated with this system e.g., soil-borne pathogens, temperatures extremities, soil and water quality and so on, which need to be tackled timely and appropriately and means at various Institutions.

This is a lucrative venture, and being involving skills and in its operation, attracting youths in agriculture.

This training course has been designed and structured to upgrade knowledge and skill of young researchers and academicians who are working or intend to devote their efforts in this specialized area for future and make this specialized field of horticulture more remunerative.

Course content

The aim of this course is to provide exposure to the participants with the recent advancements in protected cultivation technology of horticultural crops. Specifically, following areas will be covered in the short course:

- **Protected cultivation: Present status and future prospects.**
- **Designs and construction of different types of protected structures.**
- **High-tech nursery raising techniques for production of quality planting material.**
- **Production technology of high values fruit, vegetable and flower crops.**
- **Breeding of greenhouse specialist vegetables.**
- **Strategies for enhancing WUE in protected cultivation.**
- **Vegetable grafting and Soilless cultivation.**
- **Integrated pest and disease management**

Course Director

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Course Co-Directors

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About CAZRI

Central Arid Zone Research Institute, Jodhpur is a Premier Organization of the Indian Council of Agricultural Research (ICAR), Department of Agricultural Research and Education, Ministry of Agriculture, Government of India. The Institute is working constantly for past six decades towards understanding arid environments so far as to achieve higher productivity through sustainable management of natural resources. Its state of art laboratories, strong international linkages and relentless efforts of its staff has brought the Institute in the forefront as an emerging Leader in the area of Arid Zone Research.

Weather at Jodhpur

In the month of October, weather is generally comfortable with the mean maximum temperature 30 ˚C and mean minimum of 15 ˚C making it the most pleasant and suitable time for such an activity.

How to reach Jodhpur

Jodhpur is well connected through Rail and Bus transport and has links with all the major cities of India. The institute can be reached by hired or personal vehicle by road. Distance from major terminals of the city is:

From Railway Station: 6 km

From State Roadways Bus Stand: 8 km

Jodhpur is known as the "Sun City" because of its bright and sunny weather throughout the year. Named after Rao Jodha, who established in 1459 it rose to be the second largest city of Rajasthan and is a very popular tourist destination.

Boarding and Lodging

Participants will be paid travel fare of to and fro journey by rail or bus as per the entitlement, restricted to the maximum of AC II tier of the shortest route. TA will be paid on the production of original tickets. Free boarding will be provided during this training program. Free lodging shall be provided on first come first serve basis.