

**10.** Mention if you have participated in any Research Seminar, Summer/ Winter School/ Short course, etc. during the last (5) years under ICAR/ Other organizations

**11.** Draft/Postal Order No. .... dated ..... of Rs. 50/- (in favour of ICAR Unit CIAH, payable at Bikaner) towards registration (Non Refundable),

**12. Academic record**

Degree	Discipline	Year of passing	Class/ Rank	University/ /Institution
Ph.D.				
Master				
Bachelor				
Other				

Date: \_\_\_\_\_ Signature of the applicant  
Place: \_\_\_\_\_

**13.** Recommendation of the Forwarding Institute/ University

Date: \_\_\_\_\_ Signature  
Name  
Designation

**Certificate**

It is certified that the information furnished has been verified from the office records and found correct.

Signature & designation of the  
sponsoring authority

**LOCATION OF BIKANER**

The erstwhile Princely state of Bikaner and its capital city Bikaner was founded by Rao Bika (1465-1504 AD.) by the blessings of Goddess Karni Mata in the year 1488 AD. In those days this vast tract of desert was called "Jangaladesh". The desert city of Bikaner is located in north-western Rajasthan. The gaudy palaces, the magnificent fortress and the richly sculptured temples of red and yellow sandstone exemplify some of the finest creations of Rajput culture and tradition. Some major attractions of Bikaner are Junagarh Fort, Camel Research Farm, Lal Garh Palace, Gajner Wild Life Sanctuary, Karni Mata Temple to name a few. CIAH, Beechwal, Bikaner is located 12 km away from Railway Station and 8 km from Bus Stand on Bikaner- Ganganagar Highway and is well connected by Road and Rail. During the month of October-November, the temperature normally ranges from 25-32°C.



**CORRESPONDENCE**

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*Circular*

**ICAR Sponsored Short Course**  
on  
**Good management practices for arid horticultural crops to combat current Agrarian Crisis**  
25<sup>th</sup> February to 5<sup>th</sup> March, 2016

Course Director : **Dr. M K Jatav**  
Course Coordinators : **Dr. P. Acharyya**  
: **Dr. Hare Krishna**



**Organized by**



**ICAR-Central Institute for Arid Horticulture**  
Sri Ganganagar Road, Beechwal,  
Bikaner-334 006, INDIA

## ABOUT THE COURSE

In India, about 12% of the total geographical area is under hot arid ecosystem, which spreads in Rajasthan, Gujarat, Haryana, Punjab and peninsular India and cold arid region in J & K and Himachal Pradesh. This region is characterized by high and low temperatures, low rainfall, low relative humidity, high potential evapotranspiration, high sunshine, abundant solar energy, sparse vegetation and high wind speed during summer. Soils are dry for most part of the year, having aridic moisture regime and high temperature. The region consists of vast sandy and other wastelands, which have productivity constraints such as salinity in soil and irrigation water, low soil fertility and extreme climatological stress conditions.

The time has come to implement good management practices that will address environmental, economic and social sustainability for on-farm processes and result in safe and quality food and non-food agricultural products. The concept evolved will create awareness among the stakeholders about food production and security, food safety and quality, and the environmental sustainability of agriculture. The diverse challenges and constraints as growing population, increasing food, feed and fodder needs, natural resource degradation, climate change, new parasites, slow growth in farm income and new global trade regulations demand a paradigm shift in formulating and implementing the agricultural research programmes. The Institute since its inception in April, 1993 has conducted several mission oriented research for improvement of horticultural crops and development of horticulture based cropping system under arid environment. The Institute has released 25 varieties of arid horticultural crops. Technologies on agro-techniques such as propagation, planting systems, crop geometry, canopy management, plant architecture engineering, fruit growth and development, crop diversification, protected cultivation, moisture conservation techniques, tissue sampling techniques, organic cultivation, micro-irrigation and fertigation have been standardized. Biotic and abiotic stress management modules of arid horticultural crops are in operational mode. Post harvest management and further streamlining them into value added products have been worked out in datepalm, bael, karonda, kachari, snapmelon, ber etc. Micro propagation protocols have been developed in ker, lasoda, mulberry, citrus, aloevera and vegetable type cactus pear.

The Institute is also shouldering the responsibility to usher crop improvement activities through the All India Coordinated Research Project on Arid Zone Fruits spread at seventeen centers in eleven states. High density planting and multi storey cropping system has shown several models to be remunerative under arid eco system.

The present short Course will try to address the major issues of good management practices for arid horticultural crops to combat current agrarian crisis and disseminate the technologies developed to the participants, so that these can be translated on the farmer's field for optimum utilization of these scarce resources.

## HOW TO APPLY

Eligible and interested candidates may submit application form in prescribed proforma or apply online as per the steps given: 1. Visit the website <http://www.iasri.res.in/cbp> or click on capacity building programme link at <http://icar.org.in> 2. Login using your User Id and Password. To create User ID use "Create New Account" link 3. After login, click on "Participate in Training" link and fill the proforma. Take a printout and send nomination duly forwarded by the competent authority in the prescribed format to Dr. M.K. Jatav, Course Director, Central Institute for Arid Horticulture, Beechwal, Bikaner-334006 alongwith Demand Draft of Rs. 50.0 0 as registration fee (non refundable) in favour of 'ICAR Unit-CIAH payable at Bikaner.

## ELIGIBILITY

Applicant should be Post Graduate in any branch of Horticulture/ Agriculture and not working below the rank of Assistant Professor or equivalent in the concerned subject under the National Agricultural Research System or SAUs.

## TRAVEL

Participants will be paid travel fare to and fro by the shortest route restricted to the maximum of AC-II tier fare or bus or any means of transport in vogue, as the case may be, as per the norms & guidelines of ICAR.

## BOARDING AND LODGING

Free Boarding and Lodging (shared) will be provided to participants only during the training programme by CIAH, Bikaner .

## NUMBER OF PARTICIPANTS: 25

## IMPORTANT DATES:

Last date of nomination : 15-02-2016  
Communication of selection : 17-02-2016

## VENUE

Central Institute for Arid Horticulture, Sri Ganganagar Road, Beechwal, Bikaner- 334 006 (Rajasthan), India.

## Short Course training programme on "Good management practices for arid horticultural crops to combat agrarian crisis"

From 25<sup>th</sup> Feb. to 05<sup>th</sup> March 2016

## Application format for participation in training

1. Full Name (in block letter): \_\_\_\_\_

2. Designation : \_\_\_\_\_

3. Present employer address: \_\_\_\_\_

4. Address to which: \_\_\_\_\_  
reply should be sent \_\_\_\_\_  
(in block letter) \_\_\_\_\_

5. Present : \_\_\_\_\_  
Address \_\_\_\_\_

6. Date of Birth: \_\_\_\_\_

7. Sex: \_\_\_\_\_

8. Teaching/Research/ Professional experience (mention post held during last five years and number of publications) : \_\_\_\_\_

9. Marital status : Married/Unmarried