

## Climate

Kalyani is blessed with winter climate during short course period with average day and night temperature is likely to be around 24-30°C and 14-20°C, respectively, normally devoid of rain. Therefore, light winter cotton dress is recommended.

## Travelling/Boarding/Lodging Facilities

Participants will be paid travel fare to and fro journey by rail (2<sup>nd</sup> class) or bus by the shortest route. **AC II Tier or AC III Tier will be reimbursed after producing appropriate tickets/receipts.** First class railway fare and Air fare is not allowed. Taxi/Auto (local) fare will be reimbursed only after producing appropriate tickets/receipts. Food and Lodging arrangements will be made free of cost. Accommodation will be arranged in University Guest House or any other establishment.

## For further assistance please contact to:

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Dean

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## APPLICATION FORM

Short Course training programme on  
Technology update on floriculture and aromatic crops  
for farmers' empowerment and rural entrepreneurship  
9<sup>th</sup> December to 18<sup>th</sup> December 2019

1. Name (in block letter):
2. Designation:
3. Present employer address:
4. Address to which reply should be sent (in block letter)
5. Permanent address
6. Date of birth:
7. Sex
8. Teaching/research/professional experience (mention post held) during last 5 years and number of publications
9. Marital status
10. Mention if you have participated in any Research Seminar, Summer/Winter/Short Courses etc. during last five (5) year index ICAR/Other Organizations
11. DD No...../Postal order No.....  
Dated ..... of Rs. 50/- (non-refundable) in favour of "Bidhan Chandra Krishi Viswavidyalaya" at SBI Kalyani towards registration (non-refundable). Payment may be also made through online (NEFT/RTGS) in the account of :  
A/C Name: Bidhan Chandra Krishi Viswavidyalaya  
A/C No. 32994231687 Bank Name: State Bank of India  
Branch: Kalyani, Nadia IFSC Code: SBIN0001082
12. Academic record

Degree	Discipline	Year	Class	University

Signature of the applicant with date and place

13. Recommendations of forwarding Institute

Signature with date, designation and address

Certificate:

It is certified that the information was furnished by the office record and was found corrected.



**ICAR Short Course**

on

**Technology update on floriculture and  
aromatic crops for farmers' empowerment  
and rural entrepreneurship**

**From 9<sup>th</sup> December to 18<sup>th</sup> December 2019**

*At*

Department of Floriculture and Landscape Architecture  
Faculty of Horticulture  
Bidhan Chandra Krishi Viswavidyalaya  
Mohanpur, Nadia (Dist.), West Bengal-741252

*Sponsored By*

Indian Council of Agricultural Research  
Krishi Anusandhan Bhavan, Pusa, New Delhi-110012



**Course Director**

**Dr. Subhendu Shekhar Gantait**  
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## Technology update on floriculture and aromatic crops for farmers' empowerment and rural entrepreneurship

Floriculture has emerged as an important agribusiness sector, providing employment opportunities and entrepreneurship in both urban and rural areas. Improved standards of living and growing consciousness among the people to live in environment friendly atmosphere has led to an increase in the demand of floriculture products, leading to its emergence as a profitable agribusiness in India and worldwide. Commercial floriculture has emerged as hi-tech activity-taking place under controlled climatic conditions inside greenhouse. Considering the economic, aesthetic and social values, Government of India has established floriculture as a sunrise industry and accorded it 100 per cent export-oriented status. The domestic Indian market is growing at the rate of 25 per cent per year in the country as a whole. The thrust, during the last decade, has been on the export of cut flowers and henceforth, export increased at a rate of 4.33 percent. The export surplus has found its way into the local market influencing people in cities to purchase and use flowers in their daily lives. Floriculture thus, offers a great opportunity to farmers in terms of income generation and empowerment. The strength of floriculture development in India are varied according to different agro-climatic conditions in the country, availability of manpower and large demand for floricultural products in metropolitan cities. The new or modern technology in floriculture sector can substantially improve the production of cut and loose flowers, cut greens, foliage bedding plants and value-added floriculture products and sustainability which will consequently increase the potential of the farmers of generating gainful self-employment.

As per NHB database published during 2015-16 the area under floriculture production in India was 249 thousand hectares with a production of 1659 thousand tonnes loose flowers and 484 thousand tonnes cut flowers. Floriculture is now commercially cultivated in several states with Tamil Nadu (20%), Karnataka (13.5%) West Bengal (12.2%), having gone ahead of other producing states like Madhya Pradesh, Mizoram, Gujarat, Andhra Pradesh, Orissa, Jharkhand, Haryana, Assam and Chhattisgarh. The country has exported 19726.57 MT of floriculture products to the world for the worth of Rs. 571.38 Crores/81.94 USD Millions in 2018-19. The major importing countries were United States, Netherlands, United Kingdom, Germany, and United Arab Emirates. There are more than 300 export-oriented units in India. More than 50% of the floriculture units are based in Karnataka, Andhra Pradesh and Tamil Nadu. With the technical collaborations from foreign companies, the Indian floriculture industry is poised to increase its share in world trade. Besides, the essential oils produced from aromatic plants are widely used in cosmetics, food industries, medicines, balms, ointments and skin care products. Demands of essential oils are increasing consistently in the national and international markets. Aromatherapy, which uses the essential oils from these aromatic plants, is seen as a potential high value growth area. India's contribution in the foreign trade of aromatic compounds is around Rs. 65 million which accounts for 1.6 per cent of the world trade.

### Training Eligibility

The course is open for scientists/ teachers/ extension specialists working in ICAR/CSIR institutes, SAUs, CAUs, KVKs, ICAR accredited institutes and other organisations. M.Sc. or Ph.D. in Floriculture & Landscaping/ Horticultural sciences/ Medicinal & Aromatic Plants/Agricultural sciences disciplines, working in a position not below the rank of Scientist/Assistant Professor.

### How to apply

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

1. Visit <http://cbp.icar.gov.in/HomePage.aspx>
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 duly signed copy through proper channel to the Course Director by post along with registration fee Rs. 50/- . Candidates can upload the scan copy of their applications duly nominated/recommended by competent authority in CBP portal and may submit the original copy at the time of registration.

### Number of participants

The number of participants for the programme will be limited to 25 (twenty-five) on first come first serve basis of which 10% will be reserved for local participants.

### Venue

Farmers Academy and Convention Centre Bidhan Chandra Krishi Vishwavidyalaya Kalyani, Nadia (Dist.), West Bengal

### Location and communication

The Kalyani is situated at 22°57' N latitude and 88°20' E longitude of 9.75 m above mean sea level. It is 70 km far from Kolkata Netaji Subhas Chandra Bose Airport, and same distance from Howrah/Sealdah railway station, Kolkata. Farmers Academy and Convention Centre (Lake Hall) situated in the South eastern side of Kalyani stadium and Kalyani lake. The place for Short Course is well connected with airport or Kolkata by bus or taxi or railway.