

Information Brochure
ICAR - Winter School
on

**"Approaches for Doubling Farmers Income
Through Secondary and Smart Agriculture:
A Way Forward"**

(Date: 10-30th March 2023)

Sponsored by
Education Division, ICAR, New Delhi

Course Director
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Course Coordinators

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Centre for Protected Cultivation Technology (CPCT)
ICAR - Indian Agricultural Research Institute
NEW DELHI-110012

www.iari.res.in

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About The Course:

Secondary and Smart Agriculture both are part of Protected cum Hi-Tech Cultivation is one of the leading technologies to meet the challenges of demand especially in horticulture sector. Cultivation of crops under protected conditions has great potential in augmenting production and quality of vegetables, flowers and some fruit crops in both main and off-season along with maximizing water and nutrient use efficiency under varied agro-climatic conditions.

The demand for vegetables, fruits and flowers is surging day by day due to increasing population. India is the second largest producer of vegetables and fruits next to China but the productivity of the most of the vegetables and fruit crops is far below. The basic reason of poor productivity and quality is non-availability of elite varieties and healthy planting materials, varied climate conditions and water scarcity. Recent developments have shown that these issues could be resolved to a greater extent through protected agriculture.

The Centre for Protected Cultivation Technology was established at IARI, New Delhi. During the year 1998-99 high-tech greenhouses were constructed and R&D work on cucumber, tomato, capsicum and rose were initiated. It is spread in 25 acres of land with vast infrastructure includes climate controlled & naturally ventilated greenhouses for vegetables & flower crops, net houses, tunnels, nursery facilities, open field, drip irrigation cum fertigation system, packaging cum storage house facility and rain water harvesting reservoirs.

Over the years, the Centre has progressed considerably and diversified into various protected structures & production technologies of several high value vegetable and flowers. Protected technology need to be extended to different part of country for increasing the productivity & farmer's income. Therefore a winter school on **“Approaches for Doubling Farmers Incomes Through Secondary and Smart Agriculture: A Way Forward”** is proposed to promote & transfer of these technologies.

Objectives:

- To develop better understanding of the Recent Advances in Crops Management under Secondary cum Smart Agriculture with Protected Cultivation and knowledge sharing of techno economics and relevant case studies.
- To promote and inculcate the developed expertise amongst the trainees for effective demonstration and transfer of technology to different target groups.

Content:

Course consists of lectures, practical, laboratory works, field training, field visits, guest lectures, experience sharing by progressive farmers and different companies/manufacturers. As innovative approach, lectures by few of the participants on relevant topics shall be organized to make the programme a participatory one. Participants will be exposed to various aspects of secondary cum smart agriculture protected cultivation technology, drip irrigation and fertigation, soilless farming, vertical farming, indoor farming, urban farming, and crop health management applied to different horticultural crops grown inside greenhouse, open fields and orchards.

Who Can Apply (Eligibility):

The candidates should possess Master's Degree in Horticulture, Vegetable Science, Floriculture, Agricultural Engineering, Plant Protection, Agronomy, Extension, Economics etc and allied subjects and should not be below the rank of Scientist/Assistant Professor/SMS/Lecturers or equivalent in the concerned subjects.



Important Dates

- **Last date for receipt of application: 25th February 2023**
- **Intimation of selection: 01 March 2023**
- **Confirmation of participation by candidate: 05th March 2023**

The applicants should proceed for training only after receiving confirmation from us through E-mail/Telephone.

About the Institute:

The Indian Agricultural Research Institute (IARI) is country's premier institute for research and education in agriculture sciences. The institute conducts basic and strategic research, serves as a centre for academic excellence and provides national leadership in agriculture research and extension through development of new concepts, technologies and innovations. The IARI popularly known as Pusa Institute is a self-contained complex spread over an area of 500 hectares. It is located at about 8 Km west of New Delhi railway station and 12 Km west of Delhi railway station. It is about 7 Km west of Krishi Bhawan, the ICAR Headquarters and near Rajendra Place **metro station**. It is advised that participants should avail prepaid taxi/auto available at these railway stations.

Weather during training period:

During months of March, New Delhi experiences dry weather. Temperatures varies from 10 to 25°C and require woolen cloths. It would be a good month to visit New Delhi.

For more information contact:

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Course Director
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Dr. M .Hasan

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Dr. Hemlata Bharti

Course Coordinator
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Application may be sent to:

Dr. Awani Kumar Singh

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ICAR - Indian Agriculture Research Institute (IARI) Pusa,
New Delhi 110012
Telephone No.: 7042525454
Fax: 011-25842481

Detailed information is also available at: <http://www.iari.res.in>



Application Form

“Approaches for Doubling Farmers Incomes Through Secondary and Smart Agriculture: A way forward”

(Date: 10-30th March 2023)

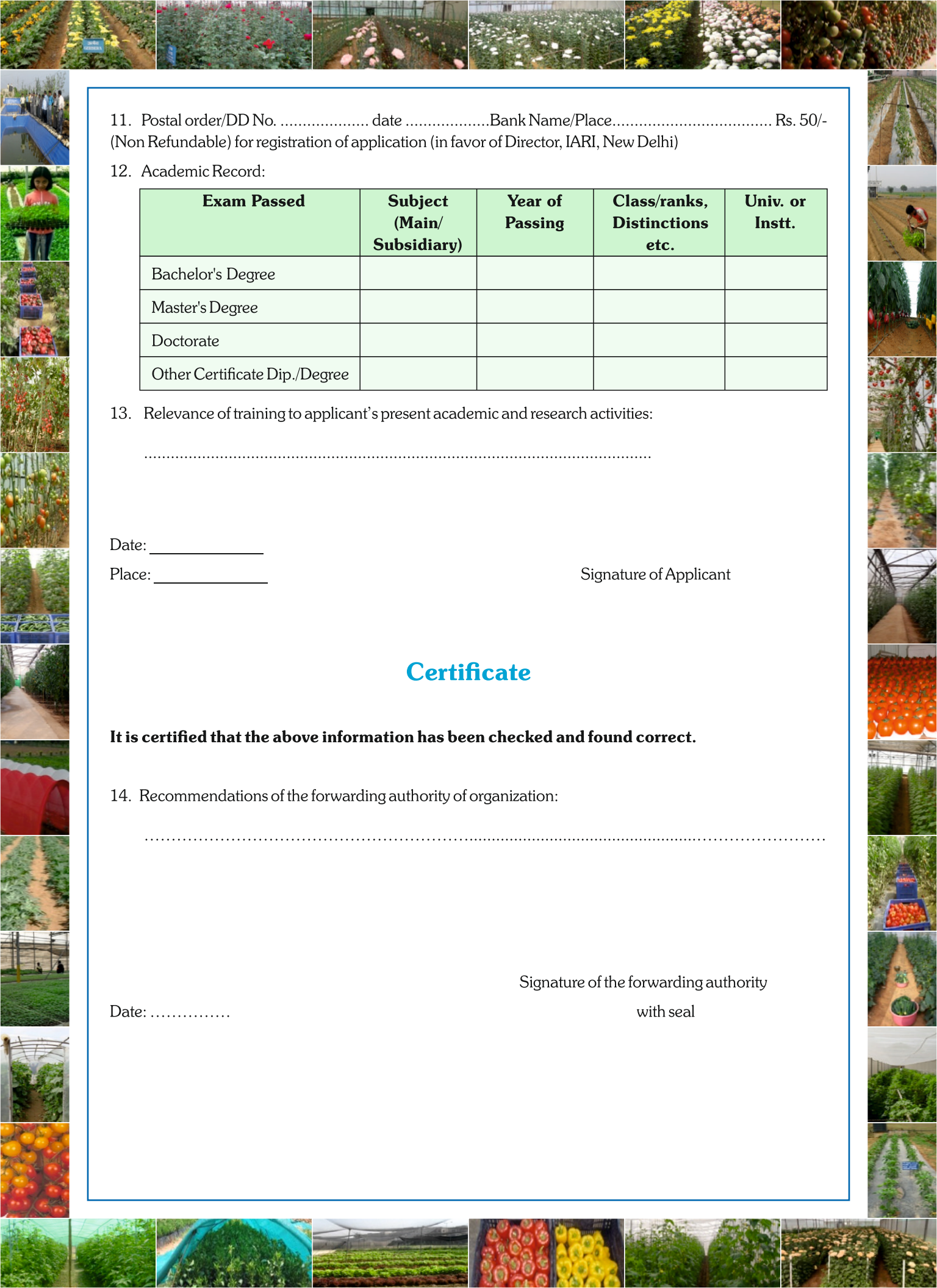
CPCT, ICAR-IARI, New Delhi

1. Full name in (Block Letters):
2. Designation:
3. Present employer and address:
.....
4. Address to which reply should be sent (in block letters)
.....
.....
5. Permanent address:
.....
.....
Phone No. Fax E-mail:
6. Date of Birth:
7. Sex M/F :
8. Marital Status: Married/Unmarried:
9. Teaching / research/ professional experience (mention post held during the last 5 year and number of publication)

S.No.	Post held	Period with dates	Publications

10. Mention about the ICAR or any other organization training attended during last 5 years.

S.No.	Training	Duration Days	Years



11. Postal order/DD No. date Bank Name/Place..... Rs. 50/-
(Non Refundable) for registration of application (in favor of Director, IARI, New Delhi)

12. Academic Record:

Exam Passed	Subject (Main/ Subsidiary)	Year of Passing	Class/ranks, Distinctions etc.	Univ. or Instt.
Bachelor's Degree				
Master's Degree				
Doctorate				
Other Certificate Dip./Degree				

13. Relevance of training to applicant's present academic and research activities:

.....

Date: _____

Place: _____

Signature of Applicant

Certificate

It is certified that the above information has been checked and found correct.

14. Recommendations of the forwarding authority of organization:

.....

Signature of the forwarding authority

with seal

Date: