



भारतीय  
ICAR

## Winter School

On

**“Diversified Farming with Medicinal and Aromatic Crops as  
an Important Component in Doubling Farmers Income”**

(18<sup>th</sup> December, 2023 to 07<sup>th</sup> January, 2024)



Sponsored by

**Indian Council of Agricultural Research**

New Delhi-110012

Course Director - Dr. P.L. Saran

Course Coordinator - Dr. K.A. Kalariya

Co-course Coordinator - Dr. Manish Kumar Mittal

Patron

Dr. Manish Das, Director

**ICAR-Directorate of Medicinal and Aromatic Plants Research**

Boriavi-387 310, Anand (Gujarat) India

## About ICAR-DMAPR

The Indian Council of Agricultural Research established Directorate of medicinal & Aromatic Plants Research (formerly it was National Research Centre for Medicinal & Aromatic Plants) on November 24, 1992 in a 20.2-hectare irrigated land at Boriavi in Anand district of Gujarat. From DAC, GOI, we have acquired a new farm at Lambhvel about a 3 km from the Anand Railway station in Anand-Nadiad Road on lease. This farm has 19.18 ha of land of which 4 ha is for residential complex. ICAR-Directorate of Medicinal Aromatic Plants Research (ICAR-DMAPR; is located on Ahmedabad-Mumbai rail route. The center is 7 km away from Anand Railway station on Anand-Ahmedabad state highway towards Nadiad. Anand is well connected to all parts of the country by road, rail and Air. The nearby airports are at Vadodara (45 km) and Ahmedabad (65 km).

### Course Background

The MAPs are also identified as promising crops for crop diversification, which can turn agriculture into being more remunerative. Crop diversification also builds farmers' resilience towards changing climate and associated risks of crop failure. Extreme weather events in the last few years have brought losses to traditional crops. MAPs are less risky in terms of the incidence of pest attacks, diseases and even capable for potential returns and having great demand in domestic and export markets. The total world herbal trade is currently assessed at US\$ 120-130 billion. The market for medical plants in India stood at Rs. 4.2 billion (US\$ 56.6 million) in 2019 and is expected to increase at a CAGR 38.5% to Rs. 14 billion (US\$ 188.6 million) by 2026. The production of safe food is essential for protecting consumers from the hazards of biotic factors and is important both in the domestic food business as well as for increasing competitiveness in export markets. These methods will not only help in increasing quality production but also help in reclamation of soil which lost its fertility due to heavy use of chemical inputs. The MAPs are capable to address the challenges of doubling income of stakeholders with the adoption of improved technologies developed by ICAR-DMAPR, Anand. The herbs are rich source of secondary metabolites which further increase the value of these low volume crops. The directorate has developed several varieties, production, protection and processing technologies for commercialization of high value medicinal and aromatic crops to gain by stakeholders. Therefore, the proposed winter school will lay concrete on a path for commercialization of MAPs itself and newly developed technologies.

### Objectives

- To keep the trainees abreast about the latest developments in the field of medicinal and aromatic crops
- To provide hands-on & field exposure to the trainees on various aspects of GACP, chemovars development and processing of MAPs

## Eligibility

Master's Degree in Agriculture and allied disciplines with working knowledge of computer. Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University/I.C.A.R. Institute/reputed Indian research institutions.

## Travel

Travel Allowance to the participants will be paid for the journey, to- and fro-, as per their entitlement for the class of travel, restricted to the maximum of AC II tier rail fare excluding Rajdhani/ Shatabdi Express by the shortest route. Participants are required to produce money receipt/ tickets in support of their claim. The reimbursement will be made as per ICAR guidelines. The candidates are advised to make their reservation in advance.

## Boarding and lodging

Accommodation will be available on twin sharing basis in Directorate OR University Guest House etc.

**Duration of course:** 21 days (18.12.2023 to 07.01.2024)

**Last date to apply:** 10<sup>th</sup> December, 2023

**Number of participants:** 25 (Twenty-five)

## How to apply

- Visit the website <https://cbp.icar.gov.in/HomePage.aspx>
- Login using your User Id and Password. To create User Id use "Create New Account" link and fill required information to register.
- After login, click on "Participate in Training" link
- Select the particular training programme and fill the proforma online.
- Take a printout of filled application proforma and sign it.
- Get it signed by competent authority.
- Upload approved scanned copy of the application on the above CBP Portal
- Applicants have to pay Rs.50/- as registration fee (non-refundable) through RTGS/NEFT in the Directorate's official bank account. (a/c no. 01831450000490; IFSC code: HDFC0000183; HDFC Bank, Anand-388001).
- Send approved application duly forwarded by the competent authority by post to Course Director, ICAR-Winter School, ICAR-DMAPR, Anand along with copy of RTGS/NEFT payment receipt.

**REGISTRATION FORM**  
**ICAR WINTER SCHOOL**

On

**Diversified Farming with Medicinal and Aromatic Crops as an Important  
Component in Doubling Farmers Income**

1. Name: \_\_\_\_\_  
2. Designation: \_\_\_\_\_  
3. Present employer address: \_\_\_\_\_  
\_\_\_\_\_

4. Address for correspondence: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_ Mob: \_\_\_\_\_ Email: \_\_\_\_\_

7. Date of birth: \_\_\_\_\_

8. Sex: \_\_\_\_\_

9. Educational Qualification (Graduation onwards):

| Degree | Year | University | OGPA/Division |
|--------|------|------------|---------------|
|        |      |            |               |

10. Teaching/Research/Professional Experience (Mention post held during last five 5 years and number of publications):

| Post Held | Institution | Period | No. of publications |
|-----------|-------------|--------|---------------------|
|           |             |        |                     |

11. Mention if you have participated in any summer/winter school/short course etc. during the previous years under ICAR/other organizations

| Training/Short Course | Year | Duration | Organizing Institute |
|-----------------------|------|----------|----------------------|
|                       |      |          |                      |

It is certified that all the information furnished by me is true to the best of my knowledge.

Date:

Signature of applicant

**Recommendation of forwarding authority with seal:**

Address for correspondence

**Dr. P. L. Saran**

**Principal Scientist & Course Director**

**ICAR-Directorate of Medicinal and Aromatic Plants Research**

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