

**Mahatma Phule Krishi Vidyapeeth,  
Centre for Advanced Faculty  
Training(CAFT) in Agril.Meteorology  
DEPARTMENT OF  
AGRICULTURAL METEOROLOGY  
College of Agriculture, Pune  
Maharashtra State**

The Centre for Advanced Faculty Training (CAFT) in Agricultural Meteorology is organizing a National training programme on Crop Micrometeorology at College of Agriculture, Pune from **26.09.2018 to 16.10.2018**.

The training programme is sponsored by the Indian Council of Agricultural Research, New Delhi. The training is specially organized for teachers/researchers/ extension workers in the field of Agriculture as well as Agril. Meteorology. The objective of training programme is to impart knowledge of advanced techniques in the field of Crop Micrometeorology.

The interested participants are informed to send their application in the enclosed proforma. The completed application should be sent through proper channel so as to reach on or before **26.08.2018**. All correspondence in this regard may please be made on following address.

Dr. J. D. Jadhav, Director  
Centre for Advanced Faculty Training  
(CAFT) in Agril. Meteorology & Head,  
Department of Agricultural Meteorology,  
Mahatma Phule Krishi Vidyapeeth,  
College of Agriculture, Shivajinagar,  
Pune-411 005 (Maharashtra)  
Applicants may also apply through CBP  
Portal **www.cbp.icar.gov.in**  
Phone No. : (020) – 2553 5016/2553 8009  
Tele/Fax No.: (020) – 2553 8009

Fax No. : College of Agriculture, Pune  
(020) – 2553 7188

E- mail : [amfupune@gmail.com](mailto:amfupune@gmail.com)

Contact Person :

Dr.. V. A. Sthool - 09421 067994

Mr. S.V. Jadhav - 07720 048055

Dr. Ms. K.V. Kulkarni - 07083 535045

**COURSE CONTENT :**

- ▶ Radiation, air temperature and sensible heat flux, atmospheric humidity, wind and turbulence transfer, soil moisture, evapotranspiration, methods and its measurement, micrometeorological techniques for measuring ET.
- ▶ Properties of atmosphere near the earth's surface, exchange of mass momentum and energy between surface and overlying atmosphere.
- ▶ Microclimate near the bare ground, unstable and inversion layers, variation in microclimate under irrigated and rainfed conditions, soil moisture and temperature variation with depth.
- ▶ Micrometeorology of plant canopies, distribution of temperature, humidity, vapour pressure, wind and carbon dioxide.
- ▶ Modification of microclimate due to cultural practices , intercropping, radiation distribution and utilization by plant communities.
- ▶ Influence of topography on microclimate, microclimate in low plant area of meadows and grain fields, microclimate within forests, glass house and polyhouse. Instruments and measuring techniques in micro-meteorology.
- ▶ Effects of ambient weather conditions on growth, development and yield of crops.
- ▶ Measurement of albedo over natural surfaces and cropped surfaces, net radiation measurement at different levels.
- ▶ PAR distribution in plant canopies and interception, energy balance over crops, LAI and biomass estimation, remote sensing in relation to micrometeorology.

- ▶ Statistical and simulation models, simple regression models for weather, pest and disease forecasting in different crops.
- ▶ Aerobiometeorology, pest population dynamics and weather parameters for forewarning models.
- ▶ Preparation of weather based agro-advisories, use of Automatic Weather Station (AWS).

**FACULTY:**

Experts in respective areas from Centre for Advanced Faculty Training (CAFT) in Agricultural Meteorology, Pune, Mahatma Phule Krishi Vidyapeeth (MPKV), India Meteorological Department (IMD), Indian Institute of Tropical Meteorology (IITM), Central Research Institute for Dryland Agriculture (CRIDA), International Crops Research Institute for Semi-Arid Tropics (ICRISAT), Indian Agricultural Research Institute (IARI) and State Agricultural Universities in India will be available as faculty for the training programme.

**PARTICIPANTS:**

Teachers/ Scientists of SAUs, ICAR, Govt. / Semi-Govt. Institutes are eligible for participation. Total number of participants for the training shall be **limited to 25 only**.

1. The participant should be post graduate in Agril. Meteorology / Agril. Physics / Physics / Agronomy/ Soil Science / Plant Sciences/ Animal Sciences /Agril. Engg. Agril. Entomology / Plant Pathology, etc.
2. Should be involved in teaching/research and extension in the field of Agril. Meteorology/Agricultural Sciences.
3. Should be in the age group of 25-45 years.
4. Age limit is relaxable in deserving cases at the discretion of organizing committee.

Selection of participants will be made on the basis of details provided by the applicants in the enclosed proforma.

**Last date of receipt of application form:  
26.08.2018.**

**FINANCIAL SUPPORT:**

All outstation participants will be provided free moderate lodging and boarding as per ICAR norms at College Guest House/ College Hostel. Participants will be paid travel fare to and fro for journey by rail as per their entitlement for class of travel, restricted however to the maximum of AC II/III tier fare only or bus or other means of transport in vogue as the case may be, *as per the Govt. of Maharashtra rules*. DA from the date of departure to the date of arrival will be paid in lieu of incidental charges. No DA will be given for the actual halt at Pune during training period. Wholesome meal and refreshment will be provided within the allotted budget.

**Registration fee: No registration fee.**

**ABOUT PUNE CITY:**

Pune is located at 18<sup>0</sup>32'N Latitude and 73<sup>0</sup>51'East Longitude at an altitude of 557.7m above MSL on the Deccan plateau. Pune is the cultural and educational capital of Maharashtra. It is one of the fastest growing metropolitan city in the Asia - Pacific region. The monsoon lasts from June to October, with average of 170mm rainfall during September and temperature ranging from 22 to 28 °C. Pune is very well connected with road, rail and airways.

**Centre for Advanced Faculty Training  
(CAFT) in Agricultural Meteorology**

**Faculty :**

1. Dr. J. D. Jadhav  
Director, CAFT in Agril. Meteorology &  
Head, Dept. of Agril. Meteorology,  
College of Agriculture, Pune
2. Prof. A. A. Shaikh  
Professor of Applied Agril. Climatology
3. Dr. V. A. Sthool  
Associate Prof. of Hydrometeorology
4. Dr. S. V. Bagade  
Asstt. Prof. of Agril. Meteorology
5. Dr. I. A. Ghonmode  
Asstt. Prof. of Agril. Entomology
6. Mr. S. V. Jadhav  
Research Associate (GKMS)
7. Mr. D. D. Lokhande  
Agromet Observer (GKMS)
8. Dr. (Ms.) K.V. Kulkarni  
Sr. Research Fellow (FASAL)
9. Mr. S. V. Waghmare, Ph.D. Scholar
10. Miss. A. P. Deshmukh, Ph.D. Scholar
11. Mr. S. Y. Wankhede, Ph.D. Scholar
12. Mr. Nagaraju Dharawath, Ph.D. Scholar

**Technical Core Staff :**

1. Dr. P. N. Rasal  
Associate Dean
2. Dr. S. D. Masalkar  
Prof. of Horticulture & Associate Dean
3. Dr. S. B. Shinde  
Professor of Agril. Extension
4. Dr. A. B. Kamble  
Professor of Agronomy
5. Dr. U. B. Hole  
Professor of Agril. Entomology
6. Dr. M. S. Jadhav  
Prof. Agril. Engg. & Estate Manager
7. Dr. R.B. Nazirkar, Professor of  
Soil Science & Agril. Chemistry

8. Dr. A.P.Gaikwad  
I/c, Professor of Plant Pathology
9. Dr. D. V. Dahat  
I/c, Professor of Botany
10. Dr. D.P. Kaledhonkar  
I/c, Professor of Agril. Economics
11. Dr. S. N. Hasabnis  
Assoc. Professor of Plant Pathology
12. Dr. B. K. Pawar, I/c Professor of  
Animal Science & Dairy Science
13. Dr. S. K. Chavhan  
Project Manager,  
Hi-Tech Floriculture Project
14. Dr. D. A. Sonawane  
Assoc. Prof. of Agronomy

**Co-Core Staff :**

1. Mrs. L. M. Suryawanshi  
Asstt. Supdt.
2. Miss. R. A. Ankaram  
Agril. Assistant
3. Mr. A. S. Pawar  
Agril. Assistant
4. Mr. M.V.Bhalerao  
Agril. Assistant
5. Mr. S. C. Kadam  
Lab. Attendant

**PROFORMA FOR APPLICATION**

1. Name & Designation :
2. Date of Birth :
3. Affiliation (University/Institute) :
4. Address (Postal) Office & Residence:
5. Male/Female :
6. Telephone No. :
7. Fax No. :
8. Mobile No. :
9. E-mail :
10. Educational Qualification-

Degree	Inst. /Univ.	Class	% of marks/ C.G.P.A.
B.Sc.			
M.Sc.			
Ph.D.			

11. Training attended at this Department /at  
other places ,if any (Specialized). Give  
details.
12. Experience:  
a) In the field of Agril. Met. :  
b) Total experience :  
13. Publications (No.)  
a) Research articles :  
b) Popular articles :  
c) Others (please specify) :  
14. Whether teaching Agril.  
Meteorology at UG/PG level : Yes/ No  
15. Whether attended this training  
last year : Yes/ No  
16. Basic Pay : Rs.

Signature of the candidate  
Name and Designation

17. Recommendation of the Head of the  
Department/Institute/University



**MAHATMA PHULE KRISHI  
VIDYAPEETH  
COLLEGE OF AGRICULTURE, PUNE**

**NATIONAL TRAINING  
PROGRAMME  
ON**

**ADVANCES IN CROP  
MICROMETEOROLOGY**

**From 26.09.2018 to 16.10.2018**

**SPONSORED BY**

**INDIAN COUNCIL OF  
AGRICULTURAL RESEARCH  
NEW DELHI**

**ORGANISED BY**

**DIRECTOR  
CENTRE FOR ADVANCED FACULTY  
TRAINING (CAFT) IN AGRICULTURAL  
METEOROLOGY**

**and  
HEAD  
DEPARTMENT OF AGRICULTURAL  
METEOROLOGY  
COLLEGE OF AGRICULTURE, PUNE  
MAHARASHTRA STATE**

**2018**