



Shobhanbhai Birari NAU <psregi@nau.in>

**Fwd: 21 Days Winter School on " Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience "**

1 message

Registrar NAU <Registrar@nau.in>  
To: Shobhanbhai Birari NAU <psregi@nau.in>

Tue, Dec 10, 2024 at 4:00 PM

Thanking you  
Yours sincerely,  
**Dr. H.M. Virdia**  
**Registrar**  
**Navsari Agricultural University,**  
**Navsari - 396 450, Gujarat**  
**Mob. 09825136793**  
**e-mail: registrar@nau.in**

----- Forwarded message -----

From: **Vice-Chancellor, NAU Navsari** <vc@nau.in>  
Date: Tue, Dec 10, 2024 at 3:46 PM  
Subject: Fwd: 21 Days Winter School on " Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience "  
To: dr <dr@nau.in>, Registrar <Registrar@nau.in>

**Office of the Vice-Chancellor**  
**NAVSARI AGRICULTURAL UNIVERSITY,**  
**Navsari - 396 450, Gujarat, INDIA.**



*PSB 12/11/24*

----- Forwarded message -----

From: **Institute of Organic Farming Dharwad 2700** <iofdwd@uasd.in>  
Date: Tue, Dec 10, 2024 at 3:45 PM  
Subject: 21 Days Winter School on " Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience "  
To: <vicechancellor@angrau.ac.in>, <vcnduat2018@gmail.com>, <vcaukota@gmail.com>, <vc@aaui.in>, <vc@aaui.ac.in>, <vc.buat@gmail.com>, <vcbausabour@gmail.com>, <vcbau@rediffmail.com>, <vc@hillagric.ac.in>, <sbs\_csau@hotmail.com>, <vcgbpuat@gmail.com>, <vcigkv@gmail.com>, <vc@jau.in>, <vc@uahs.edu.in>, <vc\_mpuat@yahoo.co.in>, <vcmpkv@gmail.com>, <vc@nau.in>, <vc@ouat.nic.in>, <vcouat@gmail.com>, <vc@pitsau.edu>, <vc@pau.edu>, <vc@svpuat.edu.in>, <vc@skuastkashmir.ac.in>, <vc@skuast.org>, <vc@sknau.ac.in>, <vcrau@raubikaner.org>, <vctnau@tnau.ac.in>, <vc@uasbangalore.edu.in>, <vc@ubkv.ac.in>, <dr@angrau.ac.in>, <vcvnmkv@gmail.com>, <vc@uhsbagalkot.edu.in>, <vc@uhsbagalkot.edu.in>, <vc@uasraichur.edu.in>, <vc@uasraichur.edu.in>, <dr@aaui.in>, <dr@aaui.ac.in>, <dr@hillagric.ac.in>, <dr.buat@gmail.com>, <drbau@rediffmail.com>, <drbausabour@gmail.com>, <drnduat2018@gmail.com>, <drgbpuat@gmail.com>, <drigkv@gmail.com>, <dr@jau.in>, <dr@uahs.edu.in>, <dr\_mpuat@yahoo.co.in>, <drmpkv@gmail.com>, Director of Research NAU <dr@nau.in>, <dr@ouat.nic.in>, <drouat@gmail.com>, <drpitsau@gmail.com>, <dr@pau.edu>, <dr@svpuat.edu.in>, <dr@skuastkashmir.ac.in>, <dr@skuast.org>, <drskuastjammu@gmail.com>, <dr@sknau.ac.in>, <drrau@raubikaner.org>, <drtnau@tnau.ac.in>, <dr@uasbangalore.edu.in>, <dr@ubkv.ac.in>, Director Research <drvnmkv@gmail.com>  
Cc: Shripad Kulkarni <kulkarnish@uasd.in>

11 DEC 2024

Respected Sir / Madam,

we are happy to inform you that we are conducting a 21 days Winter school on " Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience " to be held from 17 January 2025 to 06 February 2025 at Institute of Organic Farming, University of Agricultural Sciences, Dharwad.

Please find the attached Brochure for more details. We request you to circulate the same among your staff and colleagues and motivate them to apply for the winter school.

Thanking you

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**Yours faithfully**

**Dr. Shripad Kulkarni**  
**Professor of PI.Pathology and HEAD**  
Institute of Organic Farming  
Main Agricultural Research Station  
University of Agricultural Sciences  
**Dharwad 580 005, Karnataka state, INDIA**  
**Phone No. 0836-2444 809 / 0836-2214 305 (Office)**  
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*This Email Message is Sent From ::*

UNIVERSITY OF AGRICULTURAL SCIENCES  
DHARWAD 580005, Karnataka state, INDIA  
WEBSITE :: <http://www.uasd.edu>

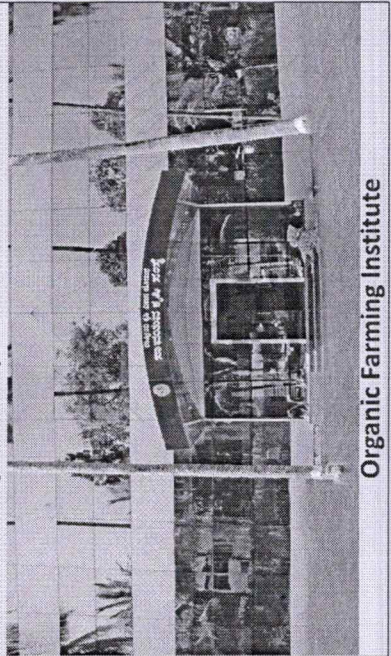


**Brochure.pdf**  
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of northern Karnataka namely Bagalkot, Belagavi, Dharwad, Gadag, Haveri, Uttara Kannada and Vijayapur caters to the research needs of diverse soil types, climate, topography, cropping and farming situations. As per ICAR Ranking (2020), University stands Ninth among Agricultural Universities in the Country and First in the State. The University has won several prestigious awards: National Productivity Council Award (1986-87), CGIR King Baudouin Award (2002) and ICRISAT's Doreen Mashlar Award (2002) for Chickpea improvement and Jawaharal Nehru Awards (16) for outstanding contributions in the field of agricultural research. More number of Junior Research Fellowships of ICAR (2005-06, 2006-07, 2007-08, 2009-10, 2014-15); Mahindra Samurthi Krishi Samman Award (2013). Sir C V Raman Young Scientist Awards (09) for outstanding contributions in the field of agricultural research. Considerable progress has been registered in the field of education, research and extension from the University. University hosts several firsts: Institute of Organic Farming, Dharwad seed model, Institute of Biotechnology, Agribusiness Knowledge Centre, RKVY, RAFTAR (ABI), World Bank funded NAHEP, IDP. Presently several externally funded projects are operating in the University undertaking basic and applied research. Several nationally/internationally funded programmes like Obama Singh Knowledge Initiative, ICAR Niche Area of Excellence, World Bank funded projects like Sujala-III project and Natural farming, Chief Ministers Natural Farming, NAHEP-IDP and Research on All India Network Project on Organic Farming (AINPOF) Sponsored by Indian Institute of Farming system Research (IIFSR), Modipuram are being implemented in the University. The University has about 100 National and International Academic collaborations. Research needs of farmers in the region are catered through 30 research stations spread across five agro-ecosystems and 26 All India Coordinated Research Projects (AICRPs). Greater diversity exists in soil types, climate, and topography, cropping and farming situations. The jurisdiction includes dry-farming areas to high rainfall coastal and hilly regions and irrigated command areas of Upper Krishna, Ghataprabha and Malaprabha. Important crops of the region include sorghum, cotton, rice, pulses, chilli, sugarcane, groundnut, sunflower, wheat, safflower etc. The region is also known for many horticultural crops such as Grapes, Pomogranate, Banana, Aracant, Pepper. Vegetable such as Potato, Chilli, Cauliflower, Cabbage, Onion are grown in large area polyhouse, nethouse and high-tech horticulture is gaining prominence and farmers are also growing Chrysanthemum, Jasmine, Rose and other flower crops in this region.

#### About the City

Dharwad is the district headquarters in Karnataka and merged with Hubballi city in 1961 to form the twin city. Hubballi-Dharwad is the second-largest city in Karnataka after Bengaluru. While, Dharwad is the administrative headquarter, the city of Hubballi is the commercial centre and



Organic Farming Institute

business hub of North Karnataka. Dharwad is famous for its Dharwad Peda, milk based sweet. Dharwad district is the place which produced national and international level musicians like Mallikarjun Mansur, Gangubai Hangal, and winner of the Bharat Ratna award, Pandit Bhimsen Joshi. It has prestigious educational institutions. The twin cities are familiar for their historical monuments of architectural and religious importance, viz., Banashankari Temple, Nuggikeri Hanuman Temple, Nrupatunga Hill, Navagraha Tertha, Indira Gandhi Glass House Garden, Unkal Lake and Siddharoodha Math. The state is neighbour to Goa state where it is known for popular Arabian Sea beaches.

Places of Importance: Badami, Aihole and Pattadakallu, Gol Gumbhaj (Vijayapur), Hampi, Gokarna, Utsav RockGarden (Gotagudi, Haveri) and Goa.

CI Tags: Dharwad Pedha, Dharwad Cotton Sarces, Belagavi Kunda and Gokak Kardant.

Lead Educational Institutes: Karnataka University, Indian Institute of Technology (IIT), University of Agricultural Sciences, Law University, KLE Technological University, IIT and Medical institutions like KIMSRC and SDM Dental & Medical colleges

#### Important Dates

Last date for receipt of application : 02-1-2025  
 Notification of selection : 05-01-2025  
 Intimation of acceptance : 07-01-2025  
 Training period : 17 Jan to 06 Feb 2025

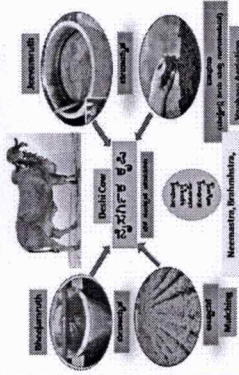
#### Course Director

**Dr. Shripad Kulkarni**  
 Professor of PI.Pathology &Head  
 Institute of Organic Farming, UAS, Dharwad-580005,  
 Karnataka, India  
 Mobile: +91 9448338114 Email: [kulkarnish@uasd.in](mailto:kulkarnish@uasd.in)

#### Co-Coordinators

<b>Dr. C. R. Patil</b> Professor & Head Dept. of Microbiology AC, UAS, Dharwad-580005 Mobile : +91 9448013373 Email: <a href="mailto:patilcr@uasd.in">patilcr@uasd.in</a>	<b>Dr. Harish G</b> Professor of Entomology IOF, UAS, Dharwad-580005, Mobile : +91 8980530739 Email: <a href="mailto:harishg@uasd.in">harishg@uasd.in</a>
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#### Wheels of Natural farming



religious importance, viz., Banashankari Temple, Nuggikeri Hanuman Temple, Nrupatunga Hill, Navagraha Tertha, Indira Gandhi Glass House Garden, Unkal Lake and Siddharoodha Math. The state is neighbour to Goa state where it is known for popular Arabian Sea beaches.

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UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD



ICAR

Sponsored 21 days Winter School

on

“Recent Pest and Disease management tools and techniques for horticultural crops in Organic” and Natural Farming through hands on experience”

(17 Jan 2025 to 06 Feb 2025)



Organised by  
 Indian Council of Agricultural Research,

New Delhi, and

Institute of Organic Farming  
 University of Agricultural Sciences,

Dharwad 580005, Karnataka

Program email: [iofdwd@uasd.in](mailto:iofdwd@uasd.in)

[kulkarnish@uasd.in](mailto:kulkarnish@uasd.in)

## "Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience" (17 Jan 2025 to 06 Feb 2025)

### Background

#### Organic Farming

Organic Farming is a holistic production management system which promotes and enhances agro-ecosystem health, including biodiversity, biological cycles and soil biological activity. It emphasizes the use of management practices in preference to the use of on-farm inputs, taking into account that regional conditions require locally adapted systems. This is accomplished by using possible agronomic, biological and mechanical methods as opposed to using synthetic materials to fulfill any specific function within the system. Since organic farming addresses soil health, human health and environmental health and is eco-friendly, it appears to be one of the options for sustainable crop production and crop yields. The ultimate aim of organic production system is to achieve sustainability in harmony with the environment. This calls for management strategies that ensure quality and durability of natural resources employed.

#### Natural Farming

Natural Farming is a chemical-free traditional farming method. It is considered as agro ecology based diversified farming system which integrates crops, trees and livestock with functional biodiversity". Natural farming is a system where the laws of nature are applied to agricultural practices. This method works along with the natural biodiversity of each farmed area, encouraging the complexity of living organisms, both plants and animals that shape each particular ecosystem to thrive along with food plants. Natural Farming builds on natural or ecological processes that exist in or around farms. It is largely based on on-farm biomass recycling with major stress on biomass mulching, use of on-farm cow dung-urine formulations; maintaining soil aeration and exclusion of all synthetic chemical inputs. Natural farming is expected to reduce dependency on purchased inputs. It is considered as a cost-effective farming practice with scope for increasing employment and rural development.

Important practices, essential for adoption of natural farming includes: No external inputs, Local seeds (use of local varieties), On-farm produced microbial formulation for seed treatment (such as *bijamrita*), On-farm made microbial inoculants (*jivamrita*) for soil enrichment, Cover crops and mulching with green and dry organic matter for nutrient recycling and for creating a suitable micro-climate for maximum beneficial microbial activity in soil. Managing diversity on farm through mixed cropping and integration of trees etc. Management of pests through diversity and local on-farm made botanical concoctions (such as *Neemastra*, *Agniastra*, *Brahmastra*, *Dashparni* ark etc); Integration of livestock, especially of native breeds for cow dung and cow urine as essential inputs for several practices and Water and moisture conservation.

#### Pest and Disease Management

Organic farming tends to tolerate some pest populations while taking a longer-term approach. Organic pest and disease control involves the cumulative effect of many techniques, including: allowing for an acceptable level of pest and disease damage. Encouraging predatory beneficial insects to control pests and encouraging beneficial microorganisms and insects, this by serving them nursery plants and/or an alternative habitat, usually in a form of a shelterbelt, hedgerow, or beetle bank careful crop selection, choosing disease-resistant varieties. Planting companion crops that discourage or divert pests and also using row covers to protect crops during pest migration periods, using pest regulating plants and biological pesticides, fungicides and herbicides.

Effective organic pest and disease control requires a thorough understanding of pest life cycles and interactions. Crop protection in organic agriculture is not a simple matter. It depends on a thorough knowledge of the crops grown and their likely pests pathogens and weeds.

Training and capacity building of the faculty is one of the main objectives of ICAR.

Understanding the strong nexus between climate, water, and food (CWF) and organic farming practices is essential for building resilience in agriculture, water resource systems, and the overall agrarian economy against future climate change and variability. The organic and natural farming practices itself are complex phenomenon and requires familiarizing early career researchers with the theoretical advances, tools and techniques from multiple agricultural science disciplines. Specially managing pests and diseases is a difficult task and suitable practices have to be developed and integrated in a holistic manner. Keeping this in view a Training programme of 21 days duration on "Recent Pest and Disease management tools and techniques for horticultural crops in Organic and Natural Farming through hands on experience" has been designed to enhance the awareness and competency of the scientists and technical staff working in different SAUs, CAU's, ICAR institutes and DU's. The current capacity building programme is formulated with an objective to impart basic orientation with these scientists toward Organic and Natural farming in India and abroad and to acquaint the participants about recent Pest and Disease management tools and techniques in horticultural crops with hands on experience.

### About the Course

The course mainly involves lectures, practicals and hands-on activities, field trips interaction with farmers and practitioners of Natural/Organic farming in horticultural crops. Further emphasizing on over view, principles, components, present status and future prospects of Organic and Natural farming and a methodological approach to defining, monitoring and evaluating soil health, natural farming practices and visit to model demonstration farm, experimental fields and farmers fields. This is a multi-disciplinary programme and will contribute to understanding, quantifying, and managing crops with biomass mulching, plant-microbes-soil interactions, mass production of bio fertilizers, bio pesticides, packing and methods of applications in the context of Indian agriculture. Topics will include natural resource management, package of practices and IPM and IPDM under different crops, fruits and vegetables and flowers in natural farming, preparations formulations required for nutrient, pest and disease management sustainability and profitability etc.,. The training also involves visit to bio resource farm, its input production units, short film on organic and natural farming pre and post evaluation etc.

### Date and Venue

The course is of 21 days duration from January 17 to February 06 2025 at the Institute of Organic Farming, University of Agricultural Sciences, Dharwad. It is on the National Highway No. 04, connecting Pune (Maharashtra) to Bengaluru (Karnataka) and well connected by rail and road ways and airport at Hubballi and Belgaum.

### Eligibility

Participants from ICAR Institutes/State AUs/CAUs/ Deemed Universities/Agricultural faculty of other Universities in the cadre of Assistant

Professors or equivalent and Associate professors are invited. The participants with Masters/ Ph.D. degree in Agriculture/ Horticulture/with specialization in Agronomy, Horticulture, Microbiology, Entomology and Plant Pathology in a UGC recognized Indian State/ Central Agricultural University/ deemed university/ College/ institutes of national importance and ICAR Research Institutes are eligible.

For more details refer: <https://cbp.icar.gov.in/HomePageAfterLogIn.aspx>

Total number of participants: 25 only

### How to apply

Interested candidates have to apply online through ICAR Capacity Building Portal (CBP) (duly forwarded by their competent authority). STEPS FOR SUBMISSION OF ONLINE APPLICATION FORM

1. Login using your User Id & Password. To create User Id use "Create New Account" link on home page. If you have forgotten your concern password click on "Forgot password" link.
2. To Participate in Training : After login, click on "Participate in Training" link and fill the performa. Take a printout of duly signed application form and send it by post or upload scanned copy.

The online filled in application should be printed out and approved from respective competent authority of the organization. Duly approved application form should be sent to The Course Coordinator on or before the closing date (02-01-2025). All the fields in the form duly filled and sent before the closing date. However, their selection will be subject to receiving of approved applications only. The selection of candidates will be informed through e-mail only and they should confirm the acceptance / participation through a return e-mail within the due date of acceptance (07-01-2025)

Applicant has to pay a non refundable Registration fees of Rs.50/- in the demand draft or Indian Postal Order (IPO) drawn in favour of "The Comptroller, UAS, Dharwad" payable at SBI, UAS, Dharwad Branch.

### Travel and Accommodation

Travel fare to and fro will be provided as per ICAR Norms. The reimbursement will be limited to AC II tier by Train/AC Bus by shortest route from their place of working for attending the training programme. Travel by Air is not permissible. Photocopy of ticket by train/bus need to be produced for reimbursement. For out station participants accommodation will be arranged on twin sharing basis. Meals and refreshments will be provided as per ICAR rules for summer/ winter course. Participants are requested not to bring family members.

### Weather in Dharwad

Dharwad belongs to the transitional zone of Karnataka and the weather will be pleasant with warm humid with maximum and minimum temperature of the city will be around 26-28° C and 15-20° C during January and February with mild winter.

### About UAS Dharwad

The University of Agricultural Sciences, Dharwad, established on 1st October 1986, presently has 5 Degree/PG Colleges, 1 Diploma College, 30 Research Stations, 6 Extension Education Units, 6 Krishi Vigyan Kendras and the ATIC. The University, with its jurisdiction spread over seven districts

