



**ICAR CENTRE OF ADVANCE FACULTY TRAINING
ON
ORGANIC FARMING**



**21 Days Training Programme
on
Innovative Approaches and Strategies for Higher Profitability
and Sustainability in Organic Production System
June 01 –21, 2018**



Course Director

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PREAMBLE

The world organic market is now 81.6 billion US\$ (FIBL& IFOAM, 2017). Policy makers are also promoting organic farming for restoration of soil health and generation of rural economy apart from making efforts for creating better environment. The global organic agriculture area is 50.9 million hectare along with 61 standards and 468 certification bodies. Organic agriculture is an alternative cultivation model being practised by 2.4 million registered producers in 179 countries of the world. In total, 90.60 m ha area is under organic certification (agricultural and non- agricultural land). The ill-effects' of chemicals used in agriculture have changed the mindset of some consumers of different countries who are now buying organic with high premium for health. The all organic area in India is 4.89 million hectare including wild collection. The organic market from 5.85 lakh registered organic producers in India is valued at Rs. 6000 crores. About 87 countries of the world have developed organic regulations. India has developed National Standards under NPOP programme

The research results available for little over a decade confirms the yield advantage in many crops such as basmati rice, maize, cotton, chickpea, soybean, groundnut etc. However, the major impediment for growth of organic farming in India is yield reduction in the initial years due to swift switch over from inorganic to organic, wide gap between availability of organic source of nutrients and requirement and lack of pest and disease management options. Most of the organic growers have expressed that lack of support price for organically grown crops and marketing infrastructure as the major constraint in promotion of organic agriculture. Although, much progress on research in organic farming has been done, the new emerging areas of human health benefits, understanding the economics with environmental markets, climate friendly farms and carbon farming with organic farming system models needs to be addressed in future.

The vision of innovative approach in organic farming includes three key elements: (1) closing the exploitable yield gap by exploring science based landscape management, (2) improving soil quality, and (3) precision agriculture.

The issue is how to accelerate innovation and adoption of technologies and cropping systems that support organic agriculture intensification in different farming systems prevalent in the country.

There are scientific evidences that organic agricultural practices help in moisture conservation, increased carbon sequestration and lower emission of greenhouse gases besides improving & maintaining the soil quality and promote environmental balance. Organic agriculture is also supportive to development of entrepreneurship and employment generation in rural and urban areas.

In this context, a 21 days training is proposed to be organized to develop capacity of researchers and extension workers on recent innovative approaches and strategies of organic agriculture for enhancing resource use efficiency, sustainable food production and improving quality of soils and cultivated food. Emphasis will be given on recent developments in organic agriculture, strategies of organic agriculture intensification, present status of organic standards and policy measures, inclusion of precision farming practices in organic crop production, participatory guarantee system, improved composting methods, soil quality indicators, organic foods and organic marketing etc. from eminent resource persons from within and outside the Rajasthan. In addition, practical sessions and field visits to various organic farms, experiments

on organic agriculture and advanced facilities like bio-pesticide units, bio-fertilizer units, liquid sprays, biogas & biochar production units, composting methods, handling & processing of organic produce etc. will be organized to develop capacity and skills of the trainees.

COURSE CONTENT

The course content will broadly cover the topics: (i) Organic agriculture (OA): Definition, importance, concept, principles and recent developments (ii) Organic agriculture : Innovative approaches (iii) Recent trends in agro-ecosystem and soil health management under organic farming (iv) Current advances in agronomic production practices for organic farming (v) World organic standards, certification & marketing (vi) Economics of organic production (vii) ITKs in organic agriculture (viii) Organic foods & human health (ix) Pest, disease and weed management in organic agriculture (x) Organisations, farms & case studies in organic agriculture (xi) Innovations and entrepreneurship opportunities in organic agriculture. Practical sessions on advance facilities/equipments and presentations from trainee (5-slides/10-minutes each) will also be integrated.

ELIGIBILITY

- Master's Degree in Agriculture, Extension, Communication, Social Science, Agri-business, Agricultural Engineering, Home Science & Animal Husbandry.
- Working not below the rank of Assistant Professor and equivalent in the concerned subject in Agricultural University/ICAR Institute.

HOW TO APPLY

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

- Visit the website <http://www.iasri.res.in/cbp/> or click on Capacity Building Programme link under <http://www.icar.org.in/>
- Login using your user ID and Password or to create user ID use "Create New Account" link.
- After login, click on "Participate in Training" link and fill the Performa.
- Take a printout of the application and get it approved by the competent authority of the institute/SAU. Upload the scanned copy of application through the above portal or send duly signed copy through proper channel to the Course Director of the training programme by post.

BOARDING AND LODGING

The lodging, boarding and travel expenses of the selected participants will be borne under the training budget as per University norms. Actual TA will be paid on the production of the tickets. The travel expenses will be restricted to a maximum of II AC sleeper charges (III AC sleeper charges for Assistant Professor) of train or bus and will be based on the criterion of pay scales of participants.

HOW TO REACH UDAIPUR

Udaipur the "City of Lakes" is one among the most romantic and most beautiful cities of India. The city of Dawn, Udaipur is a lovely land around the beautiful water lakes, hemmed in by the lush hills of the Aravalli's. It is easily reachable from all major cities of the country including Delhi, Mumbai, Ahmedabad, Kolkata, Jaipur etc. It is well connected by rail, road &

air. The city of Udaipur has an excellent network of roads to ensure comfortable journey. Railway station is well within the city limits. Udaipur Airport namely Maharana Pratap Airport near Dabok is located at a distance of 22 km. from the city.

ABOUT THE INSTITUTE

Maharana Pratap University of Agriculture and Technology is one of the foremost institutions dedicated for imparting agricultural education as a whole, undertaking agricultural and allied research and providing extension services in the state of Rajasthan in particular and in the country in general. University is actively involved in upliftment of socio-economic conditions of farming community particularly tribals in the south and south-eastern Rajasthan by promoting efficiency in use of natural resources, ecological security and sustainability in productivity by crop diversification, quality seed production etc. Concerted efforts are being made on utilization of indigenous resources of energy, integrated nutrient management involving biofertilizers and vermi-composting, diversification of cropping systems, integrated pest management and organic production practices in order to attain sustainable agricultural intensification. The university also supports the Commission for Agricultural Costs and Prices with the data base for cost of production estimates of major crops required for minimum support price policy of the Government of India.

IMPORTANT DATES

1. Last date for receipt of application : 25th May, 2018
2. Intimation of selection of participants : 28th May, 2018
3. Last date for confirmation from participants : 29th May, 2018

ALL CORRESPONDENCE SHOULD BE ADDRESSED TO

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(June 01 – 21, 2018)

1. Full Name (in Block letters): _____

2. Designation: _____

3. Present employer address: _____

4. Address to which reply should be sent (along with mobile, telephone and email):

5. Permanent address: _____

6. Date of birth _____

7. Sex: Male/Female

8. Teaching / Research / Professional Experience (mention posts held during last 5 years and no. of publications) : _____

9. Marital status: Married/Unmarried

10. Mention if you have participated in any Research Seminar, Summer/Winter School/Short Course, etc. during the previous years under ICAR/Other Organizations: _____

11. DD/Postal Order No. Not Applicable

12. Academic record:

Degree	Discipline	Year	University
Ph.D			
Master			
Bachelor			

Date:

Signature of applicant

Place:

13. Recommendation of forwarding authority:

It is certified that information furnished by the candidate has been verified and found correct.

Signature of Authority with Seal