

ABOUT THE INSTITUTE

Shere-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K) 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 Jammu and Kashmir. The university is dedicated for the cause of agricultural education research and extension activities with temperate Kashmir and cold arid Ladakh under its jurisdiction. Over the last ten years University has contributed significantly in the areas diversification of cropping systems through the introduction of high value crops, organic vegetable production, revival of the land races suited to organic farming, organic nutrient management in saffron, propagation of apple and walnut for high density plantation, integrated nutrient management involving bio-fertilizers and vermi-composting, bio-waste management, The university supports the Govt. of Jammu and Kashmir on human resource development, training and policy issues.

IMPORTANT DATES

1. Last date for receipt of application: 10th July, 2018
2. Intimation of selection of participants: 15th July, 2018
3. Last date for confirmation: 22nd July, 2018

All correspondence should be addressed to

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Course Coordinators

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10 Days Short Course on

**Increasing Farmers Income and
Livelihood Security: Role of Agricultural
Diversification and Value Additions
(03-12 September, 2018)**

APPLICATION FORM

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 number 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
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



10 DAYS SHORT
COURSE ON



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Livelihood Security: Role of
Agricultural Diversification and Value
Additions**

03-12, September 2018



Course Director

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Associate Professor Agronomy

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Division of Agronomy
Faculty of Agriculture (SKUAST-K), Wadura
Sopore-193 201

PREAMBLE

Crop diversification is intended to give a wider choice in the production of a variety of crops in a given area so as to reduce the risk and increase in the income of farmers. With the advent of green revolution technologies, India witnessed many fold increase in food, fruit, vegetable and fibre production. However, monocultures have the inherent character of resource exploitation, high risk of disease outbreak and economic risks. Food security is not mere production of sufficient food but also touches crucial aspects of universal access to safe and nutritionally rich food. Nutritional diversification is associated with crop diversification and integration of production activities with food processing and value additions.



Some states in India are slowly moving towards diversification. Jammu and Kashmir agriculture at an aggregate level is gradually diversifying in favour of high-value crops.



There is a general tendency to allocate more land resources towards horticultural crops. Technological advances in breeding high yielding varieties of rice, maize, wheat, barley, beans, and fodder crops have been made. Up-scaling and popularization of these research products has resulted in the onset of a slow revolution that has potential to make the state of J&K self sufficient. Specialty corns with a high market

can uplift the economy of farmers engaged in urban agriculture. A large number high yielding vegetable varieties has bestowed a capacity to export vegetables from Kashmir. Area under organic farming in J&K State has reached to 25.5 thousand hectares. Organic produce has a potential augment the income as these products are sold at premium prices. Significant advancements have been made in high density apple, walnut propagation, Significant advancements have also been made in the resistance breeding in apple, rice, beans, bio-waste management and economic uses of aquatic weeds, isolation and large scale multiplication of region specific strains of biofertilizers, pheromone traps and dispensers, biopesticides development and use, use of ecological engineering in pest management etc. at SKUAST-K. Crop specific studies on production of beans, mushkBudhji-rice, basmati, popcorn, sweet corn and baby corn, and saffron have been conducted.



Post harvest losses in vegetables and fruits in India range from 25-40% amounting annual loss of 30, 000 crores. Significant advancements have been made in the processing and value additions in vegetables, apple, apricot, walnut, saffron etc. In this backdrop, a 10 days training is proposed to be organized to develop capacity of researchers and sensitize extension workers on recent technological developments in crop diversification and value additions at state, national international level. The participants will be imparted training in various facets of varietal development in rice, wheat, corn and specialty corn, vegetable and fruit crops, agronomic management of diversified cropping systems and integrated framing and its lead role in economic prosperity of farmers, improved composting methods, bio-fertilizer production, organic saffron, high density apple and walnut plantation, organic input production and marketing of produce from eminent resource persons from within the J and K State. In addition, practical sessions and field visits to various experimental units on rice breeding, maize breeding and advanced facilities like bio-pesticide units, bio-fertilizer units, trials on bioengineering, handling and processing of fruit etc. will be organized to develop capacity and skills of the trainees.



COURSE CONTENT

The course status will broadly cover the following topics:

(i) Agricultural Diversification: Definition, importance, concept, Principles and Recent developments (ii) Role of crop diversification in building soil health risk management (iii) Production technology in niche crops such as basmati, MushkBudhji-rice, red rice, beans saffron and apricot and walnut. (iv) Resistance breeding in rice, apple and other crops suited to enable diversification (v) Food processing and value additions (vi) Role of integrated farming systems in augmenting Income (vii) Role traditional land races in farmers prosperity (viii) Crop diversification in existing orchards the fodder grasses and legumes (xi) Role of Agro-ecological engineering in pest, disease (x) Organic egg, meat and milk production. (xi) Entrepreneurship opportunities in diversified agriculture. (xii) Entrepreneurship opportunities in food processing and storage. (xiii) Socio-economic impact assessment of agricultural diversification (xiv) Practical sessions on advance facilities/equipments and presentations from trainee (8-slides/10-minutes each), will also be conducted.

VENUE

The programme will be held at Faculty of Agriculture, (SKUAST-K) Wadura, Sopore, 193 201. The participants are expected to arrive latest by the evening of September 02, 2018, and can leave after 1700 hrs on the last day of the programme.

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) portal 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

BOARDING, LODGING AND TRAVEL

The lodging, boarding and travel expenses of the selected participants will be borne under the training budget as per University norms. TA will be paid on the production of the original tickets. The travel expenses will be restricted to a maximum of AC II tier train fare or bus via shortest route and will be based on the criterion of pay scales of participants.

HOW TO REACH SRINAGAR

Kashmir is called 'the paradise on earth' and Srinagar city is the jewel in its crown. Srinagar city is world famous for its lakes, gardens surrounded by lush green mountains. It is easily accessible by rail (upto Jammu/Udhampur only) and road and air route from major cities of the country including Delhi, Mumbai, Ahamdabad, Kolkata, Lukhnow Jaipur etc. The city of Srinagar has an excellent network of roads to ensure comfortable journey. The Sheikhul Aalum International Airport is 60 Km away from the FOA, Wadura, University campus.