

**REGISTRATION FORM
ICAR WINTER SCHOOL**

on
**INCOME & EMPLOYMENT GENERATION AMONG
YOUTH THROUGH MUSHROOM PRODUCTION
TECHNOLOGY**
November 05-25, 2019

1. Name:.....
2. Designation:
3. Present employer and address:
.....
4. Address for correspondence:
.....
5. Telephone: Mob:
6. Email:
7. Date of birth:
8. Sex:
9. Educational Qualification (Graduation onwards):

Degree	Year	University	OGPA/ Div.

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

Post Held	Institution	Period	Publications

11. Mention if you have participated in any research seminar/ 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:

RPCAU at a Glance

Dr. Rajendra Prasad Central Agricultural University, centre of excellence in agricultural research and education, is the pioneer and birth place of Agricultural Education and Research in undivided India. The Rajendra Agricultural University came into existence at Pusa on 3rd December, 1970 as a part of process of development of Agricultural Universities in Bihar through an Act of Bihar Legislative Assembly. With the enactment of Dr. Rajendra Prasad Central Agricultural University Act, 2016, with effect from 7th October, 2016, the erstwhile Rajendra Agricultural University, Bihar, Pusa (Samastipur) is converted into Dr. Rajendra Prasad Central Agricultural University. RPCAU is devoted to teaching, research and extension activities in the field of Agriculture, Horticulture, Fisheries, Agriculture Engineering, Biotechnology and Community Sciences.

Climate and Connectivity

RPCAU, Pusa, Samastipur in Bihar state is located at latitude of 25.98⁰N and longitude of 85.67⁰E having an elevation of 52m from mean sea level. During 1st week of November, weather remains mainly pleasant with minimum temperature ranging from 25 to 28⁰C. During this period slightly warm cloth required. The place is well connected by rail (Delhi to Samastipur; Delhi to Muzaffarpur; Kolkata to Samastipur) and by road. The distance from Samastipur Junction to Pusa 20 km and Muzaffarpur Junction to Pusa 40 km.

All correspondence may be addressed to

Dr. Dayaram

Course Director
Mushroom Center

College of Basic Sciences and Humanities,
Dr. Rajendra Prasad Central Agricultural
University, Pusa, Samastipur-848125 (Bihar)

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**ICAR Sponsored
21 DAYS WINTER SCHOOL**



ON

**Income and Employment Generation among Youth through
Mushroom Production Technology**
November 05-25, 2019



Course Director

Dr. Dayaram, Professor

Course Coordinator

Dr. Mithilesh Kumar, Director Research

Course Co-Coordinator

Dr. Dinesh Rai, Assistant Professor (Plant Pathology)
Dr. Khem Raj Meena, Assistant Professor (Microbiology)
Dr. Sudha Nandini, Assistant Professor (Plant Pathology)

Mushroom Centre

College of Basic Sciences and Humanities
Dr. Rajendra Prasad Central Agricultural University
Pusa, Samastipur-848125 (Bihar)

Introduction

Unemployment, malnutrition, migration, residue burning, rural poverty, and climatic change are major challenges identified in rural areas. Two categories of farmers have been identified on the basis of land holding size. One, the real farmer having more than one hectare land, and another one having below one hectare land or land less farmers. The land less farmers are resource poor, low income and mostly agricultural laborer or work in other sector as laborer. Further, climate change is another important challenge to farmers.

To deliberate these challenges mushroom production may be an ideal approach as mushroom can be grown round the year under natural condition due to wide range of temperature (10-38⁰C in eastern part). Oyster mushroom requires 22-30⁰C temperature, Milky/Dudhia/Rajendra mushroom Dudhia required 28-38⁰C and button needs two type of temperature i.e. 20-25⁰C for spawn run and 15-18⁰C for crop production. Its cultivation need no land and vertical space is enough, water requirement for one kg. mushroom produced by using 25 liter of water whereas one kg. rice production needs 3000 liter or more. So it is known as Kheti Bina Khet Ke (खेती बिना खेत के). At present the total mushroom production in India is 0.13 million tons, out of which button mushroom share is 73% followed by oyster mushroom (16%), paddy straw (7%) and milky mushroom (3%). One ton mushroom production needs a total of 10 manpowers. Other components like spawn production and different products development will generate more employment. By successful execution of the programme, young professional will start their startup with minimum expenditure.

In Bihar, presently 60 thousand families are involved in mushroom production for their livelihood and the present production is 5600 tons per annum.

In the present Winter School, technologies, research and extension activities related to mushroom cultivation will be discussed to encounter these challenges. To increase production areas, technology dissemination in Jail, Tribal areas, Divyang communities, Communicable disease affected areas and Naxals affected areas will be included in

the programme. Further, doubling the farmers income and more crop per drop concepts also fit in mushroom production technology.

Objectives

- Dissemination of mushroom production technologies for nutritional and economic security.
- Income and employment generation through mushroom production technology.

Last date for submission on line application to apply: **30 September, 2019**

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

Last date for receipt of complete application in hard copy: **7 October, 2019.**

Eligibility

The Winter School is open for Teachers/ Scientists/ Extension workers of the CAUs, SAUs and ICAR institutes/KVKs/Deemed to be University related to agriculture and its allied science disciplines in the rank of Assistant Professor and above.

Travel, Boarding and lodging

Participants will be paid with to and fro shortest route to AC II train or bus fair or equivalent on submission of original tickets. No provision for air/taxi fair payment as per ICAR/University norms. Free boarding on twin sharing basis in university guest house and lodging will be provided to the participants. Internal participants of RPCAU are not eligible for boarding and lodging.

How to apply

- Visit the website <https://cbp.icar.gov.in/>
- 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
- Send approved application duly forwarded by the competent authority by registered/speed post to the Course Director- cum-Professor, Mushroom Center, Faculty of Basic Sciences and Humanities, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur-848125 (Bihar), e-mail :- raudayaram@gmail.com, Mobile :- 9430464088 along with Demand Draft of ₹50/- as registration fee (non refundable) in favour of **'Comptroller, RPCAU, Pusa'** and payable at Punjab National Bank, RPCAU, Pusa Branch, (IFSC Code: PUNB0451200).

Course outline

Mushroom-Their role in economic growth, Nutritional and medicinal value of mushroom, Taxonomy of mushroom, Wild mushroom and their importance, Mushroom production: a sources of income & employment generation, Mushroom cultivation, Spawn production, Compost production, Processing & Packaging, Value added products, Skill development and Marketing activities. Organic mushroom production technology, Rehabilitation of Jail inmates through mushroom production, Mushroom Production for upliftment of dibyang, Decoration as a new avenue in mushroom industry.