

# Advanced National Training Programme (ANTP 2021)

On

“Mushroom Production and Processing Technology”

(Through Online Mode)

(March 02-22, 2021)



AICRP Mushroom



Organized by



**Indira Gandhi Krishi Vishwavidyalaya  
Raipur (Chhattisgarh)**

&

**National Agriculture Development Cooperative Ltd (NADCL)  
Baramulla (UT of J & K)**

(website: [www.nadcl.org](http://www.nadcl.org) / email: [info@nadcl.org](mailto:info@nadcl.org) / Contact No. 8899921702)

## ABOUT HOST ORGANIZATION

**Indira Gandhi Krishi Vishwavidyalaya (IGKV)** was established on 20 January 1987 in Raipur to provide a new dimension to the agriculture development of Chhattisgarh state. The main aims of the university are to provide education, research and extension in Agriculture, Agricultural Engineering and Horticulture subjects. The university is working for the entire state comprising 28 districts in all the three agro-climatic zones. The university conducts region specific basic and strategic research and furthermore leads in transfer of technology apart from quality agricultural education to the farming community of the state.

**National Agriculture Development Co-operative Ltd. (NADCL)** was established under Self Reliant Co-operative Act, 1999: under Ministry of Cooperatives with a mission to promote, disseminate and mutual exchange of scientific information of Agricultural Science among the scientific diaspora and stakeholders. NADCL already organized a number of awareness programs, international conferences and national training courses. The NADCL was primarily established to serve as a bridge for communication between agriculture scientists, extension workers and farmers. Blending of the influences of these three, bring an effective result in the doubling of farmer's income.

### Background

Mushrooms are the fruiting bodies of macro fungi devoid of leaves, and of chlorophyll-containing tissues. Yet, they grow and produce new biomass year after year. Mushrooms are very nutritious and serve as food, tonic as well as medicine. They possess multi-functional medicinal properties. Mushroom cultivation has great scope in India because of the cheap and easily available raw materials needed for this activity. Mushroom farming is a business which requires precision. It is friendly to the environment and is a labour intensive activity. It serves as means of generating employment, particularly for rural women and youths in order to raise their social status. It is hoped that the advocacy of mushroom farming will become a very important cottage industry activity in the integrated rural development programme.

### Objectives

1. To encourage and update the Agricultural officers, Scientist and extension specialists students and entrepreneurs about recent cultivation technology of different edible mushrooms viz. Oyster mushroom, Paddy straw mushroom, Milky Mushroom, Button mushroom and other medicinal and specialty mushrooms.
2. To provide latest information about Spawn production and furthermore cultivation and processing of different edible mushrooms.
3. To identify scope, prospects and constraints of mushroom cultivation as an enterprise both at small and large scale through interactive group discussions, brainstorming sessions and feedback from participants

### Resource Persons

The experts from ICAR-Directorate of Mushroom Research, Solan, Himachal Pradesh, Odisha University of Agriculture and Technology (OUAT) Bhubaneswar and IGKV Raipur working in the field of Mushroom, and senior officers from Chhattisgarh will cover following topics by lectures, audio – video presentation, and group discussion.

## Topics to Be Covered

- Introduction of mushrooms and identification of edible, poisonous and medicinal mushrooms.
- Nutrition and medicinal aspects of different mushrooms.
- Current status of mushroom industry in India and future prospects.
- Techniques for obtaining pure culture, preparation of mother and planting spawn.
- Preparation of substrate for cultivation of tropical and temperate mushrooms (Oyster mushroom, Paddy straw mushroom, Milky Mushroom, Button mushroom).
- Preparation of substrate for cultivation of specialty mushrooms (Lions Mane Mushroom, Shittake mushroom, Ganoderma, Cordyceps, Flammulina, Schizophyllum).
- Cultivation technology of Oyster mushroom, Paddy straw mushroom, Milky Mushroom, Button mushroom and other specialty mushrooms.
- Protection of mushrooms from disease and insect pests during the entire cropping period.
- Post-harvest processing and value-added products of mushrooms.
- Extension and Marketing of Mushrooms

The details of the lectures and their schedule will be given separately.

**Participants & Eligibility:** The training is open for the scientists, teachers, research scholars, growers, PG students and marketing personnel.

### Last Date:

Last date for receipt of application form:	25-02-2021
Intimation of selection:	27-02-2021
Confirmation about participation:	28-02-2021
Commencement of training:	02-03-2021

**Venue:** The Advanced National Training Programme (ANTP 2021) on "Mushroom Production and Processing technology" will be organized through virtual lecture/class.

### Requirement for Training:

The aspirants should be proficient in the following:

- Basic computer skills.
- Sending/receiving email
- Sending and receiving attachments via email.
- Using a web browser.
- Finding web resources through search engines.
- Downloading and installing software and/or viewing electronic files.
- Familiarity with using browser plug-ins (e.g., PDF reader, video, audio).
- Using a word processing, presentation software, or other productivity applications.
- Experience/familiarity with a variety of file formats such as: .rtf "Rich Text Format", .doc or .docx "Microsoft Word Document", and .txt "Text document".
- The ability to be self-directed in learning new technology skills (for example, following a handout, a step-by-step tutorial, online video help, or access to support to learn necessary skills).

### Mode of Participation:

The training will be organized in 4 quadrants i.e.,

1. Lecture through video conference,
2. Preparing delivered material that can be downloaded /printed,
3. Self-assessment tests through google classroom assignment/tests/quizzes,
4. An online discussion forum for clearing the doubts.

The above cited steps have to be taken to enrich the learning experience by using audio-video and multi-media state of art pedagogy/technology. In order to ensure that best quality content lecture is delivered course director and his coordinators will monitor the whole training course.

### How to Apply:

Participants can submit online registration form on the site: [www.nadcl.org](http://www.nadcl.org)

### Registration Fee

Registrations fees include training documents, participation certificate, postal charges and published training compendium that will be send to all the candidates through speed post. Non-refundable registration fee for Indian participants is given below:

Category	Registration fee before 25-02-2021	Registration fee after 25-02-2021
Students/ Research Fellows	Rs. 2500/=	Rs. 3500/=
Faculties/Scientists/In-service participants	Rs. 3500/=	Rs. 4500/=
Private Organizations/Industries/etc.	Rs. 4000/=	Rs. 5000/=

**Mode of Payment:** Registration fee can be paid while submitting on line registration form on the site: [www.nadcl.org](http://www.nadcl.org)

### Chief Patron

**Dr. S. K. Patil**, Hon'ble Vice Chancellor, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh.

### Patron

**Dr. R. K. Bajpai**, Director Research Services, IGKV, Raipur, Chhattisgarh.

**Dr. S. C. Mukherjee**, Director Extension Services, IGKV, Raipur, Chhattisgarh.

**Dr. S. S. Rao**, Dean, Faculty of Agriculture, IGKV, Raipur, Chhattisgarh.

### Organizing Director

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### Course Director

**Dr. M. P. Thakur**, Director Instructions, IGKV, Raipur, Chhattisgarh.

### Course Coordinators

**Dr. C. S. Shukla**, Principal Scientist, AICRP Mushroom, Department of Plant Pathology, IGKV Raipur.

**Shri. H. K. Singh**, Scientist, AICRP Mushroom, Department of Plant Pathology, IGKV Raipur.

### Organizing Secretary

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**Dr. C. P. Khare**, Principal Scientist & Deputy Registrar Academic, IGKV Raipur.

**Dr. N. Lakpale**, Professor, Department of Plant Pathology, IGKV Raipur.

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**Shri. H. K. Singh**, Scientist, AICRP Mushroom, Department of Plant Pathology, IGKV Raipur.

**Dr. R. A. Shah**, Srinagar, Jammu & Kashmir.

### Sectional Convener

**Dr. Dinesh Uddhavrao Lokhande**, Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Sciences University, Nagpur.

### Convener

**Dr. Pankaj Sharma**, Principal Scientist, ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan.

### Co-Convener

**Dr. R. K. Dantre**, Principal Scientist & Deputy Controller of Examination, IGKV Raipur

**Dr. Girish Udhavrao Yadav**, Assistant Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Science University, Nagpur.

**Dr. Monjunatha D. R.** Assistant Professor & Head, Department of Veterinary Clinical Complex, Veterinary College, Vidyanagar, Hassan, Karnataka Veterinary, Animal & Fisheries Sciences University, Bidar.

**Dr. M. Chandra Naik**, Assistant Professor, ARS, Dhdesugur, University of Agricultural Sciences, Raichur, Karnataka.

**Dr. Ramprasad Nagorao Khandare**, Assistant Professor (Soil Science & Agriculture Chemistry) AICRP on LTFE, Vasantrao Naik Marathwada Krishi Vidyapeeth (VNMKV) Parbhani, Maharashtra.

**Dr. Sudhir Singh Bhadauria**, Nodal Officer, Agribusiness Incubation Centre, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior

### Deputy Organizing Secretary

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**Email to contact is: [info@nadcl.org](mailto:info@nadcl.org) and Contact Persons are;**

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### **Instructions for filling online form on [www.nadcl.org](http://www.nadcl.org)**

1. Candidates should fill all fields as described. Fee will be calculated automatically based on candidates Workplace and Category.
2. Candidates need to have a valid and a functional phone number and an Email ID. They will receive OTP (one-time password) on the same phone number and email.id. It needs to be entered on the form for authentication.
3. Candidates need to upload a passport size photo on the form. Make sure the photograph is less than 100 KB. If your file is bigger, you can compress the at the following.
4. Since this an online program, candidate should select;
  - ACCOMPANYING PERSON(S): NO
  - ACCOMODATION REQUIRED: NO
5. Payment is to made online through net banking/card/credit card/UPI after registration. No hard copy is required to be submitted.
6. Further detailed Instructions are on the website registration page i.e., [www.nadcl.org](http://www.nadcl.org)
7. In case of any query, candidates should write an email to [info@nadcl.org](mailto:info@nadcl.org)



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