

College Level Certificate Course in

# MUSHROOM CULTIVATION & MARKETING

DEPARTMENT OF BOTANY,  
SREE NARAYANA COLLEGE,  
KOLLAM - 1

കൂൺകൃഷി ചെയ്യാം, കൃഷി രീതിയും  
വരുമാന സാധ്യതകളും പഠിക്കാം...

ഏറെ മുടക്കമുതലില്ലാതെ തന്നെ നല്ല  
സമ്പാദ്യം ഉണ്ടാക്കാൻ കഴിയുന്ന വിളയാണ്  
കൂൺ. രുചിയുടെ കാര്യത്തിൽ മുൻപന്തിയിലുള്ള  
കൂണിന്റെ പോഷകഗുണങ്ങളും ഔഷധ  
ഗുണങ്ങളും അവയെ ശ്രദ്ധിക്കപ്പെടുത്തുന്ന  
ഘടകങ്ങളാണ്. പ്രത്യേകിച്ചും  
ഈ കോവിഡ് കാലത്ത്....

50 Seats  
Available

Contact



9446527486

9446662864

**Course Coordinator: Dr Preetha P S**

IN ASSOCIATION WITH: SURYA AGROTEK, PIRAPPANCODE

**SREE NARAYANA COLLEGE, KOLLAM**

**ADD ON COURSE**

**Department of Botany 2020 - 2021**

**Programme - Mushroom Cultivation and Marketing**

**Course Duration: 30 hours**

  
Principal  
Sree Narayana College  
Kollam



## **SYLLABUS**

[ Total hours :30 ]

### **Programme - Mushroom Cultivation and Marketing**

Mushroom cultivation can help to reduce vulnerability to poverty and strengthens livelihoods. It is fast yielding and nutritious source of food and a reliable source of income. The cultivation is viable and attractive as it does not require access to land, It is an eco-friendly agricultural practice in the efficient utilization of agricultural and industrial waste. It can also play a significant role in generating self employment opportunity. Considering the significance of mushroom cultivation the department is offering a certificate course in mushroom cultivation for the under graduate students. In addition to theory classes the course is providing hands-on trainings, seminars, and field visits.

#### **Aim of the Course**

- To provide hands on training for the preparation of bed for mushroom cultivation
- To give the students exposure to the experiences of experts
- Help the students to learn a means of self employment and income generation

Duration of the Course: 30 Hours

#### **OBJECTIVE OF THE COURSE**

- To understand methods of Mushroom Cultivation.
- To understand economic importance of Mushroom Cultivation.
- To understand various marketing strategies.

#### **LEARNING OUTCOMES**

- To start their own entrepreneurship.
- To identify mushrooms and mode of propagation.
- To identify nutritional values of mushrooms...

## **Module I**

**10 hours**

### Unit-I: History of Mushrooms

Introduction to Mushrooms, Basic concept of mushrooms, Health Benefits of Mushrooms

### Unit-II: Mushroom Morphology

Different parts of a typical Mushroom

### Unit-III: Mushroom Ecology

Occurrence, Natural Habitats

## **Module II**

**10 hours**

### Unit-III: Cultivation of Edible Mushrooms

Basic requirement of cultivation of edible *Pleurotus* sp. Mushroom

### Unit-IV: Spawn Preparation

Facilities required for spawn preparation, Preparation of spawn substrate.

### Unit-V Marketing strategies of mushroom.

## **Practical for Mushroom Cultivation [10 hours]**

1. Study of external morphology of mushroom.
2. Study of internal structure of mushroom.
3. Diagrammatic study of life cycle of typical mushroom.
4. Preparation of spawn substrate.

5. Marketing strategies of mushroom.

### **References**

Pandey B.P (1996) A text book of Fungi. Chand and Company, NewDelhi.

Pavel Kalc ( 2016) Edible Mushrooms, Chemical composition and nutritional value, Elsevir book aid International

**ADD ON COURSE**  
**Department of Botany 2020 - 2021**

**BOARD OF STUDIES**

**Members**

**Chairman: Dr. R. Sunil Kumar (Principal)**

**Coordinator: Dr. Preetha.P.S**

**Members**

**Dr. Nisha.A.P ( HOD)**

**Dr. Chitra Vijayan**

**Dr.Vilash .V**

**Smt. Neethu Vijayakumar**

**Mr. Ajay ( Industrial Partner)**

**MoU with Mr.Ajay K, Surya Agrotek, Pirappankode [ Industrial Partner]**

**SREE NARAYANA COLLEGE, KOLLAM**

**UGC – NSQF CERTIFICATE COURSE**

**Department of Botany 2020 - 2021**

**Programme - Mushroom Cultivation and Marketing**

**Course Duration : 6 months**

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**Dr.Vilash .V**

**Smt. Neethu Vijayakumar**

**Mr.Ajay ( Industrial Partner)**

**SREE NARAYANA COLLEGE, KOLLAM**

**UGC – NSQF CERTIFICATE COURSE**

**Department of Botany 2021 - 2022**

**Programme - Mushroom Cultivation and Marketing**

**Course Duration : 6 months**

**BOARD OF STUDIES**

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**Dr. Chitra Vijayan**

**Dr.Vilash .V**

**Smt. Neethu Vijayakumar**

**Smt Archana P.J ( SNCW)**

**Mr.Ajay ( Industrial Partner)**



# Sree Narayana College Kollam

## Certificate courses 2021-2022

Name of Dept

BOTANY

Name of Course

MUSHROOM CULTIVATION AND MARKETING

Sl No	Candidate Code	Name of the student	Name of the dept of the student	Completed or not
1	24520132045	SNEHA S PRAKASH	BOTANY	COMPLETED
2	24520132017	ARAVIND BS	BOTANY	COMPLETED
3	24520132051	VIMAL H	BOTANY	COMPLETED
4	24520132036	MEENAKSHI SIVAM	BOTANY	COMPLETED
5	24520132018	ARUN A	BOTANY	COMPLETED
6	24520132038	NAVYA SAJEEV	BOTANY	COMPLETED
7	24520132015	ANUSREE S	BOTANY	COMPLETED
8	24520132032	GREESHMA G	BOTANY	COMPLETED
9	24520132027	DEEPTHI D	BOTANY	COMPLETED
10	24520132020	ARYA SANTHOSH	BOTANY	COMPLETED
11	24520132006	GOURI PRIYA S	BOTANY	COMPLETED
12	24520132019	ARYA S REJI	BOTANY	COMPLETED
13	24520132026	BLESSY BABY	BOTANY	COMPLETED
14	24520132012	ABHIRAMI S	BOTANY	COMPLETED
15	24520132046	SNEHA BS	BOTANY	COMPLETED
16	24520132013	ALEENA RS	BOTANY	COMPLETED
17	24520132056	FATHIMA N	BOTANY	COMPLETED
18	24520132033	HARIPRASAD S	BOTANY	COMPLETED
19	24520132030	GANESH B UNNI	BOTANY	COMPLETED
20	24520132055	SREELEKSHMI R	BOTANY	COMPLETED
21	14521132041	JYOTHIS JUSTUS	POLITICAL SCIENCE	COMPLETED
22	25019132030	ANANDHU V NATH	ZOOLOGY	COMPLETED
23	25019132001	AISWARYA S J	ZOOLOGY	COMPLETED
24	24720132002	ADARSH KUMAR S. A	BIOTECHNOLOGY	COMPLETED
25	24720132022	AISWARYA PRAVEEN	BIOTECHNOLOGY	COMPLETED
26	24520132045	SNEHA S PRAKASH	BOTANY	COMPLETED
27	32821132030	ATHIRA AP	PCA	COMPLETED
28	15919132076	SOORYA SM	COMMERCE	COMPLETED
29	1591932078	SRUTI A	COMMERCE	COMPLETED
30	24521132025	ANJALY S	II SEM BOTANY	COMPLETED
31	24521132042	SHINTU	II SEM BOTANY	COMPLETED
32	24521132011	KRISHNA PRIYA B R	II SEM BOTANY	COMPLETED
33	24521132047	SREYA RS	II SEM BOTANY	COMPLETED
34	24520132011	VAISHNAV.V	BOTANY	COMPLETED

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**SREE NARAYANA COLLEGE, KOLLAM**  
**DEPARTMENT OF BOTANY, 2021 - 2022**  
**CERTIFICATE COURSE IN**  
**MUSHROOM CULTIVATION AND MARKETING**

**Time table**

<b>Day</b>	<b>Time</b>	<b>Teacher</b>
Monday	3– 4pm	Dr. Preetha P S
Tuesday	3 – 4 pm	Neethu Vijayakumar
Wednesday	3 - 4 pm	Dr. Vilash V
Thursday	3 – 4pm	ChitraVijayan
Friday	7 – 8 pm	Dr. Preetha P S

## **DEPARTMENT OF BOTANY**

### **REPORT 2021- 2022**

#### **CERTIFICATE COURSE IN MUSHROOM CULTIVATION AND MARKETING**

Mushrooms are the fruiting bodies of fungi. Mushroom cultivation can help to reduce vulnerability to poverty and strengthens livelihoods. It is fast yielding and nutritious source of food and a reliable source of income. The cultivation is viable and attractive as it does not require access to land. It is an eco-friendly agricultural practice in the efficient utilization of agricultural and industrial waste. It can also play a significant role in generating self employment opportunity. By growing mushrooms, we are not only producing a quality food but are also creating a healthy environment. It leads to employment generation and women empowerment. Mushrooms are considered to be the highest protein producers per unit area per unit time. Considering the significance of mushroom cultivation the department is offering a certificate course in mushroom cultivation for the under graduate students. In addition to theory classes the course is providing hands-on trainings, seminars, and field visits.

#### **Aim of the Course**

- To provide hands on training for the preparation of bed for mushroom cultivation
- To give the students exposure to the experiences of experts
- Help the students to learn a means of self employment and income generation

Duration of the Course: 30 Hours

Online theory classes based on syllabus was given to students along with online/offline practical classes. Seminars were conducted on the topics of

Mushroom cultivation, spawn production, Value-added products of Mushrooms, Prevention of contamination etc., Assessment of students was carried out on the basis of internal evaluations which include attendance, viva, test papers and practical skill during training. 35 students joined the course in which 34 students completed the certificate course. Online training was given to students on preparation and sterilization of substrate, preparation of spawn, preparation of mushroom beds and harvesting. Hands on trainings were given to students on cultivation of Oyster mushroom using paddy straw. Certificates were issued to those students who successfully completed the course.

Dr. Preetha.P.S

Coordinator

Encl. List of Students



## SREE NARAYANA COLLEGE KOLLAM

CERTIFICATE COURSE 2021-22

Department: Botany

Name of Certificate course:

MUSHROOM CULTIVATION AND MARKETING

No. of students enrolled:

34

No. of students passed:

34

Sl No.	Candidate Code	Name of Candidate	Department	Completed or not
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*Aravind BS*  
*Vimal H*  
*Meenakshi Sivam*  
*Arun A*  
*Navya Sajeev*  
*Anusree S*  
*Greeshma G*  
*Deepti D*  
*Arya Santhosh*  
*Gouri Priya S*  
*Arya S Reji*  
*Blessy Baby*  
*Abhirami S*  
*Sneha BS*  
*Aleena RS*  
*Fathima N*  
*Hariprasad S*  
*Ganesh B Unni*  
*Sreelekshmi R*  
*Jyothis Justus*  
*Anandhu V Nath*  
*Aiswarya S J*  
*Adarsh Kumar S. A*  
*Aiswarya Praveen*  
*Sneha S Prakash*  
*Athira AP*  
*Soorya SM*  
*Sruti A*  
*Anjaly S*  
*Shintu*  
*Krishna Priya B R*  
*Sreya RS*  
*Vaishnav.V*