

# सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :

०२०-२५६९१२३३

५६०१२५७

५६०१२५८

५६०१२५९



शैक्षणिक विभाग

गणेशखिंड, पुणे-४११ ००७

टेलिग्राफ : 'युनिपुणे'

फॅक्स : ०२०-२५६९१२३३

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संदर्भ क्र. : ८७५/३४४

दिनांक : १३/०५/२०१७

प्रति,

मा. प्राचार्य,

समाजश्री प्रशांतदादा हिरे आर्टस्, सायन्स

व कॉमर्स महाविद्यालय,

नामपूर, ता. बागलाण,

नाशिक-४२३ २०४

विषय:— Certificate course in 'Edible Mushroom Cultivation, Marketing and Consumption' अभ्यासक्रमाबाबत...

महोदय,

उपरोक्त विषयास अनुसरून आपणास कळविण्यात येते की, विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपल्या महाविद्यालयातील आपण सुचवलेल्या Certificate course in 'Edible Mushroom Cultivation, Marketing and Consumption' या विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गतच्या सहा महिन्याकरिताच्या प्रमाणपत्र अभ्यासक्रमास खालील नमूद केलेल्या तपशीलानुसार शैक्षणिक वर्ष २०१७-१८ पासून मान्यता देण्यात येत आहे. याची कृपया नोंद घ्यावी.

Course Name	Certificate course in 'Edible Mushroom Cultivation, Marketing and Consumption'	
1	Intake Capacity of Students	30 Students
2	Duration of Course	6 Months
3	Eligibility	Minimum 12 <sup>th</sup> Science
4	Course fee per student	Rs. 5000(Rs. Five Thousand Only) (Category & sub-category)
5	Approval Year	2017-2018

6	Qualification for Teacher	Post graduate in Botany or Diploma in Mushroom cultivation
7	Qualification for Technical Assistant	Graduation in Botany

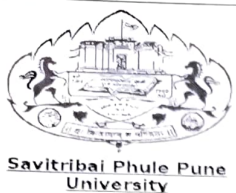
कळावे,

आपला,



उपकुलसचिव  
(शैक्षणिक विभाग)

(वि.प.क्र. ब ०५ पीए/०५/१६, दि. २६/०४/२०१७)



Mahatma Gandhi Vidyamandir's  
**Samajshree Prashantdada Hiray Arts, Science and Commerce College,**  
**Nampur, Tal. Baglan (Nashik) 423204**  
Affiliated to Savitribai Phule Pune University, Pune  
ID No. PU/NS/ASC/028 (1984) NAAC Re-accredited B grade Phone:  
02555-234316, Fax-02555-23215, Email-sphnampu@gmail.com,  
Website: <http://mgv.org.in/nampurcollege/>



## Certificate Course

In

**“Edible Mushroom Cultivation, Marketing and Consumption”**

Sanctioned by

Savitribai Phule Pune University

(Education Department: (Ref. No.: CBS/344; Dated: 13/05/2017, AY: 2017-2018)

Organized/Conducted by

Department of Botany

Academic Year: 2022-2023

Duration: 6 Months, 1<sup>st</sup> September 2022 to 28<sup>th</sup> February 2023

Advisory Committee

Dr. D. F. Shirude

Co-ordinator

Mr. Y. D. Sonawane

Head of Department

Dr. M. D. Ahire

Registration Fees:- NA

## **ABOUT THE INSTITUTION**

Mahatma Gandhi Vidyamandir, Malegaon Camp one of the leading educational institution was established in 1952, under the dynamic and visionary leadership of Late Karmaveer Bhausaheb Hiray, an educationalist and Ex-Revenue minister of the then Bombay Province, with the sublime object of serving masses by spreading education among them. After him Late Loknete Vyankatraoji Hiray took over to the charge and responsibility of the institution. Being a dynamic personality with great determination and

vision, he constructively devoted his energy for providing higher education to the masses. Their mission has been carried forward by Hon'ble Smt. Pushpatai Hiray, (Former Minister of Health Gov. of Maharashtra) & Hon'ble Samajshree Prashant Dada Hiray, (Former Minister of State for Transport and Protocol) and these are efficiently managing the institution since 1980.

Dr. Apporva Hiray, Former MLC (Teacher's constituency, Gov. of Maharashtra) and Dr. Advay Hiray being the representatives of new generation have emphasized on the technical development and the professional education in the institution.

### **ABOUT THE COLLEGE**

Samajshree Prashantdada Hiray Arts, Science and Commerce College, Nampur, Dist. Nashik (Maharashtra) is one of the leading college affiliated to Savitribai Phule Pune University, Pune. The college established in June 1984 has a congenial atmosphere to provide facility to study UG as well as PG courses in various subjects. The college has on its rolls, more than 1000 students in the college. We are very proud to say that such college run in a rural area has a facility to teach UG courses in Botany, Chemistry, Zoology, Physics, Mathematics, Geography, Marathi, Hindi, Political Science and Economics.

Apart from meeting the conventional courses and aims of all educational institutes, we have sought to train students to unlearn the old and constantly renew and reinvent themselves, in response to the changing environment. The values they absorb ensure that their knowledge and skills are used not only for their personal enrichment, but also for the service of the society.

### **IMPORTANCE OF MUSHROOM CULTIVATION**

Mushrooms are being used as food since time immemorial. These have been considered as the delicacy. From the nutrition point of view mushrooms are placed between meat and vegetables. These are rich in protein, carbohydrate and vitamins. Mushrooms are low in calorific value and hence are recommended for heart and diabetic patients. They are rich in proteins as compared to cereals, fruits and



vegetables. In addition to proteins (3.7 %), they also contain carbohydrate (2.4 %), fat (0.4 %), minerals (0.6 %) and water (91 %) on fresh weight basis. Mushrooms contain all the essential nine amino acids required for human growth. Mushrooms are excellent source of thiamine (Vitamin B1), riboflavin (B2), niacin, pantothenic acid, biotin, folic acid, vitamin C, D & K which are retained even after cooking. Since Mushrooms possess low caloric value, high protein, high fibre content and high K: Na ratio, they are ideally suited for diabetic and hypertension patients. They are also reported to possess anticancer activities. India is primarily agriculture based country blessed with varied agro-climate, abundance of agricultural waste and manpower, making it most suitable for cultivation of all types of temperate, subtropical and tropical mushrooms. It can profitably be started by landless farmers, unemployed youths, and other entrepreneurs. It requires less land as compared to other agricultural crops and is basically an indoor activity. These are the ideal tools for recycling the agricultural wastes which otherwise may pose problem of disposal and atmospheric pollution. Therefore, mushroom cultivation is not only of economic importance but also has important role to play in integrated rural development programme by increasing income and self-employment opportunities for village youths, woman folk and housewives to make them financially independent.



Edible Mushrooms



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MAHATMA GANDHI  
 VIDYAMANDIR, NASHIK

## **Certificate Course**

In

**“Edible Mushroom Cultivation, Marketing and Consumption”**

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(Education Department: (Ref. No.: CBS/344; Dated: 13/05/2017, AY: 2017-2018)

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Department of Botany

Academic Year: 2022-2023

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Sr. No.	Syllabus <b>Credit-I (15)</b>	Name of the Faculty
<b>1</b>	Mushroom: Introduction and General History	Dr. D. S. Pagar, Dr. M. D. Ahire, Mr. Y. D. Sonawane & Dr. S. P. Khairnar
<b>2</b>	Edible and Poisonous Mushrooms	
a	Edible Mushrooms with suitable examples	
b	Poisonous Mushrooms with suitable examples	
c	Difference between edible and poisonous mushrooms	
<b>3</b>	Nutritional and Medicinal Importance of Mushrooms	
a	Nutrient composition of Button, Oyster and Paddy Straw Mushrooms	
b	Comparative Nutritional Values – Vegetables and Mushrooms	

	Importance mushrooms Nutritional, Medicinal & Others	
c	Importance mushrooms Nutritional, Medicinal & Others	
4	Present status of Mushroom Cultivation	
a	Types of Mushroom Cultivation	
b	Scenario of Mushroom Cultivation in different state	
c	Future scope of mushroom industry in India	
d	Recipes of edible mushrooms	
	<b>Credit-II (15 L)</b>	
5	Steps in mushroom growing	
a	Mushroom farm structure, Design, Layout	
b	Spawn-Principles and Techniques of Spawn production	
c	Principles & Techniques of compost and composting	
d	Spawning and methods of spawning	
e	Casing after care	
f	Marketing channels, time of scale, grading, packing transport and project proposal preparation.	
6	Management of disease, competitors, pest and nematodes in mushroom.	
7	Cultivation technology of speciality mushroom cultivation of <i>Pleurotus</i> species the Oyster Mushroom.	
8	Post- harvest handling and preservation of Mushroom	
	<b>Credit-III(15L.) Practicals</b>	
1	Preparation of Spawn for Mushroom Cultivation	
2	Cultivation of <i>Pleurotus</i> Mushroom	
3	Preparation of Mushroom Recipes	

### Mushroom Cultivation: Outcomes of the Course

1. Mushroom is a great demand in society due to its nutritional values
2. Students get opportunity to be familiar with such value based certificate course
3. To bring out the possibilities of self-employment
4. This course is helpful to students as well as society



Academic Year: 2022-2023 (Admitted)  
 MGR's S.P.H. Arts, Sci. & Comm. College, Nampur, Tal. Baglan (Nashik)  
 Certificate Course in Edible Mushroom Cultivation,  
 Marketing & Consumption  
 \* Department of Botany \*  
 Date: 01/09/2022

Sr. No	Name of the student	Roll No	Mobile	Signature
1	Khairnar Prasad Mothabhai	50	8605596149	Prasad
2	Bhadane Pranjal Babaji		7517547683	Pran
3	Sonawane Madhuri pruthviraj		9923678054	MD
4	Ahire Swati Tulshidas		9673316664	Stie
5	Phondge Sandhya Sahebrao		8999248574	Sandhya
6	Ahire Aniket sanjay	02	8483052373	Aniket
7	Jadhav Bhagyshri Pandit		8805882612	Bhagyshri
8	Daine Mahesh Daulat		9881686814	mdaine
9	Ahire Anjali Prabhakar		9860236043	An
10	Ahire Dhaneshwari Bharat		9860885975	Ahire
11	Ahire Anuja Shantiram		8999307801	Anuja
12	Tavak Poonam Himatsing		9356842956	Poonam
13	Sahlan Komal Sanjay		7276207148	Komal
14	Yeshi Roshani Sanjay		8080268341	Yeshi
15	Jadhav malti santosh		7066850054	Malt
16	Sawant savi Sanjay		7499929130	Sawant
17	Wagh shalini prabhakar		8698497853	Shalini
18	Nikwade Satyam Jitendra		7083066844	Satyam
19	Ahire Manoj Eknath		9172745274	Manoj
20	More Yash vilas		9172951204	Yash
21	Bhamare Karan Devidas		8080460495	Karan
22	Ahire Jayesh Arun		9834655475	Jayesh
23	Shinde sopan Bhausaheb		8767640298	Sopan
24	Patwar Swapnil Kishor		9325683476	Swapnil
25	Hykij Prasad Dadaji		774506788	Prasad
26	Kapadnis Purna Gresham		930738033	Purna
27	Kapadnis pooja Dipak		7498039695	Pooja
28	Ahire Yogita Sahebrao		9527288722	Yogita
29	Deore Punam Sumit		9322866437	Punam
30	Khairnar Devayahi Kohdari		7219805699	D.k.k

[Co-ordinator: Prof. Y. D. Sonawane - (200)]  
 (Dr. M. D. Ahire)  
 HEAD

DEPARTMENT OF BOTANY  
 S.P.H. Arts, Sci. & Comm. College  
 Nampur, Tal. Baglan (Nashik)

Principal  
 Samajshree Prashantdada Hiray  
 Arts, Sci. & Comm. College  
 Nampur Tal. Baglan (Nashik)



Gr. No. 18



Savitribai Phule Pune  
University

Mahatma Gandhi Vidyamandir's  
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MAHATMA GANDHI  
VIDYAMANDIR, NASHIK

Certificate Course in

“Edible Mushroom Cultivation, Marketing and Consumption”

## CERTIFICATE

This certificate is awarded to **Nikwade Satyam Jitendra** of Class F.Y.B.Sc for successful completion of the Certificate Course in “**Edible Mushroom Cultivation, Marketing and Consumption**” from 1<sup>st</sup> September 2022 to 28<sup>th</sup> February 2023 organized by Department of Botany, Samajshree Prashantdada Hiray Arts, Science & Commerce College, Nampur.

Dr. Y. D. Sonawane  
Co-ordinator

Dr. M. D. Ahire  
Head of the Department

Dr. D. F. Shirude  
Principal

Received



Savitribai Phule Pune  
University

Mahatma Gandhi Vidyamandir's  
Samajshree Prashantdada Hiray Arts, Science and  
Commerce College, Nampur, Tal. Baglan (Nashik)  
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MAHATMA GANDHI  
VIDYAMANDIR, NASHIK

Certificate Course in  
“Edible Mushroom Cultivation, Marketing and Consumption”

CERTIFICATE

This certificate is awarded to **More Yash Vilas** of Class F.Y.B.Sc for successful completion of the Certificate Course in “Edible Mushroom Cultivation, Marketing and Consumption” from 1<sup>st</sup> September 2022 to 28<sup>th</sup> February 2023 organized by Department of Botany, Samajshree Prashantdada Hiray Arts, Science & Commerce College, Nampur.

Mr. Y. D. Sonawane  
Co-ordinator

Dr. M. D. Ahire  
Head of the Department

Dr. D. F. Shirude  
Principal

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Gimare