

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

वेबसाइट : www.unipune.ac.in

ई-मेल : boards@unipune.ac.in

dyracademic@unipune.ac.in

दिनांक : 13/05/2017

संदर्भ क्र. : CBS/344

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 th Science
4	Course fee per student	Rs. 5000(Rs. Five Thousand Only) (Category & sub-category)
5	Approval Year	2017-2018



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/>



MAHATMA GANDHI
VIDYAMANDIR, NASHIK

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: 2019-2020

Duration: 6 Months, 1st September 2019 to 28th February 2020

Advisory Committee

Dr. R. P. Bhamare

Principal

Head, Co-ordinator

Dr. M. D. Ahire

Member (Subject Incharge)

Dr. D. S. Pagar

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 1100 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.

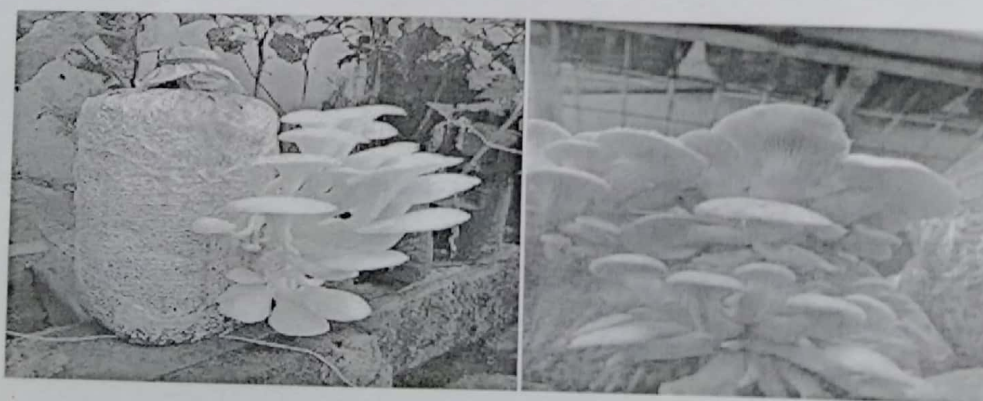
Apart from meeting the conventional courses and aims of all educational institutes, we have sought to train students to unlearn the old and constantly renew and reinvent themselves, in response to the changing environment. The values they absorb ensure that their knowledge and skills are used not only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

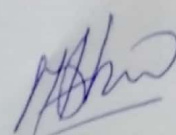
rich in protein, carbohydrate and vitamins. Mushrooms are low in calorific value and hence are recommended for heart and diabetic patients. They are rich in proteins as compared to cereals, fruits and vegetables. In addition to proteins (3.7 %), they also contain carbohydrate (2.4 %), fat (0.4 %), minerals (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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DEPARTMENT OF BOTANY
S.P.H. Arts, Sci. & Comm. College
Nampur, Tal. Baglan (Nashik)



Savitribai Phule Pune
University

Mahatma Gandhi Vidyamandir's

Samajshree Prashantdada Hiray Arts, Science and Commerce College,
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MAHATMA GANDHI
VIDYAMANDIR, NASHIK

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: 2019-2020

Duration: 6 Months, 1st September 2019 to 28th February 2020

Sr. No.	Syllabus	Name of the Faculty
	Credit-I (15)	
1	Mushroom: Introduction and General History	Dr. D. S. Pagar & Dr. M. D. Ahire
2	Edible and Poisonous Mushrooms	
a	Edible Mushrooms with suitable examples	
b	Poisonous Mushrooms with suitable examples	
c	Difference between edible and poisonous mushrooms	
3	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	
	Credit-II (15 L)	
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	
	Credit-III(15L.) Practicals	
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

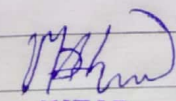


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M.G. Vidyamandir's
S.P.H. Arts, Science & Commerce College Nampur, Tal. Baglan, Dist. Nashik
Department of Botany (A.Y. 2019-2020)
Certificate course in "Edible Mushroom cultivation, marketing & Consumption"

Sl. No.	Name of the student	Roll No.	Mobile No.
1	Ahire Bhagyashri Ashish	22	9665219094
2	Khairnar Mayur Laxman	67	7447886487
3	Ahire Lina Barku	15	9021840134
4	Ahire Neha Dodhu	20	7875868053
5	Ahire Ketan Nandlal	74	7743968162
6	Baru Manisha Pandit	18	7218376770
7	Dhondge Mayur Vishwas	38	9307666615
8	Dhondge Kiran Balkrishna	54	7447241992
9	Jadhav Manasi Raghunath	24	7028680906
10	Jadhav Tejas Jagdish	51	7218060749
11	Khairnar Smita Mangulal	17	9763768195
12	Kapadnis Shubham Vishwas	66	7756823709
13	Kapadnis Anushka Bhagwan		9527980134
14	Ahire Ritu Pramod	27	9604594154
15	Thakare Ashwini Ananda	29	8698297419
16	Pawar Nikita Ashok	70	7263983204
17	Suryawanshi Roshani Gerakh	32	8975344625
18	Senawane Yogeshwari Bhagwan	75	8956272303
19	Sawant Rohit Dadaji	52	9370647991
20	Hake Mahesh Vasant	86	9767133211
21	Patangade Roshan Vijay	100	7620772808
22	Patil Ujwala Dilip		7057756896
23	Wagh Sagar Sudhakar	04	7028796587
24	Shewale Amol Sanjay	73	9767609649
25	Bhamare Kaveri Santosh	35	9011301183
26	Bhamare Kshitij Dipak	99	7709540087
27	Wagh Pranali Gulabrao	96	9284353487
28	Deore Sujata Vilas	71	9673316514
29	Khairnar Shital Ashok	62	7378606507
30	Kapadnis Mayuri Kiran	34	7083009917




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Savitribai Phule Pune University, Pune

M .G. Vidyamandir's
Samajshree Prashantdada Hiray Arts, Science & Commerce College, Nampur
Department of Botany
Certificate Course in "Edible Mushroom Cultivation, Marketing and Consumption"

Academic Year: 2019-2020

Duration: 6 Months, September 2019 to February 2020 (38 Lectures)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		04.09.2019			07.09.2019
		11.09.2019		13.09.2019	
16.09.2019		18.09.2019		20.09.2019	
		25.09.2019			
30.09.2019		02.10.2019		04.10.2019	
07.10.2019			10.10.2019		12.10.2019
		16.10.2019		18.10.2019	
	22.10.2019	23.10.2019		22.11.2019	
25.11.2019		27.11.2019		29.11.2019	
		04.12.2019			
09.12.2019				13.12.2019	
16.12.2019		18.12.2019			
23.12.2019					28.12.2019
					04.01.2020
		08.01.2020			
13.01.2020				17.01.2020	
			23.01.2020		
	28.01.2020			07.02.2020	
	11.02.2020			14.02.2020	




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MAHATMA GANDHI
VIDYAMANDIR, NASHIK

Certificate Course in
"Edible Mushroom Cultivation, Marketing and Consumption"
CERTIFICATE

This certificate is awarded to **Khairnar Mayur Laxman** of Class S.Y.B.Sc for
successful completion of the Certificate Course in "Edible Mushroom Cultivation,
Marketing and Consumption" from 1st September 2019 to 28th February 2020
organized by Department of Botany, Samajshree Prashantdada Hiray Arts, Science &
Commerce College, Nampur.

Dr. D. S. Pagar
Subject Incharge

Dr. M. D. Ahire
Head, Co-ordinator

Dr. R. P. Bhamare

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