

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

संदर्भ क्र. : CBS/344

दिनांक : 13/05/2017

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: 2021-2022

Duration: 6 Months, 1st September 2021 to 28th February 2022

Advisory Committee

Dr. U. B. Kadam

Principal

Head, Co-ordinator

Dr. M. D. Ahire

Member

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.

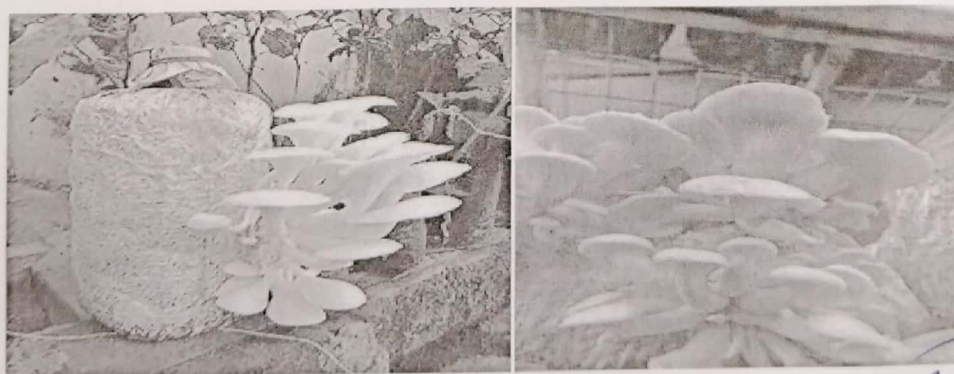
Apart from meeting the conventional courses and aims of all educational institutes, we have sought to train students to unlearn the old and constantly renew and reinvent themselves, in response to the changing environment. The values they absorb ensure that their knowledge and skills are used not only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

IMPORTANCE OF MUSHROOM CULTIVATION

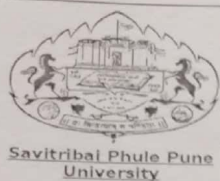
Mushrooms are being used as food since time immemorial. These have been considered as the delicacy. From the nutrition point of view mushrooms are placed between meat and vegetables. These are

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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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: 2021-2022

Duration: 6 Months, 1st September 2021 to 28th February 2022

Sr. No.	Syllabus	Name of the Faculty
	Credit-I (15)	
1	Mushroom: Introduction and General History	Dr. D. U. Ahire / Mr. Y. D. Sonawane
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)	Dr. M. D. Ahire
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 Pleurotus species the Oyster Mushroom.	
8	Post- harvest handling and preservation of Mushroom	
	Credit-III(15L.) Practicals	
1	Preparation of Spawn for Mushroom Cultivation	Dr. D. S. Pagar
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

HEAD

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



Certificate course in "Edible Mushroom Cultivation, Marketing & Consumption"

List of students :- 2021-2022 (Admitted)

Sr No	Class	Name of the student	Mobile No.	Roll No	Signature
1	F.Y.B.Sc.	Pathare Shital Dadaji	7774991746	2	
2	F.Y.B.Sc.	Shewale Jaydip Ravindra	9909974393	3	
3	F.Y.B.Sc.	Pathare Yagini Saheba	9921783482	8	
4	F.Y.B.Sc.	Thakare Phanashri Shankar	8308236392	18	
5	F.Y.B.Sc.	Khairnar Ashwini Suresh	9307137580	34	
6	F.Y.B.Sc.	Kumavale Gayatri Jagannath	8830216656	35	
7	F.Y.B.Sc.	Shaikh Najiya Bashir	9763890037	55	
8	F.Y.B.Sc.	Pagar Harshada Dodhu	8446994021	85	
9	F.Y.B.Sc.	Sonawane Chaturshila Hemant	957953463	86	
10	F.Y.B.Sc.	Wagh Prayakta Dipak	9322447895	90	
11	F.Y.B.Sc.	Ahire Pooja Valmik	8483929382	99	
12	F.Y.B.Sc.	Shinde Savita Arjun	9767467636	94	
13	F.Y.B.Sc.	Ahire Mayurisantosh	7721972166	111	
14	F.Y.B.Sc.	Khairnar Laxmi Vinod	8378952426	120	
15	F.Y.B.Sc.	Ahire Ritu Ramkrushna	8767970834	103	
16	S.Y.B.Sc.	Mansuri Kaifiy Jabbar	9970026988	56	
17	S.Y.B.Sc.	Jadhav Umesh Jaywant	9834659677	59	
18	S.Y.B.Sc.	Ahire Nutan Ratan	9657352382	73	
19	S.Y.B.Sc.	Bhadane Punam Ramesh	9209096788	74	
20	S.Y.B.Sc.	Kapadnis Chetana Vishwas	7499869379	82	
21	S.Y.B.Sc.	Shewale Tejaswini Samadhan	7263805939	21	
22	S.Y.B.Sc.	Deore Dipali Anil	7058184411	13	
23	S.Y.B.Sc.	Pagar Sanjana Bhausaheb	7588288958	7	
24	S.Y.B.Sc.	Sonawane Divya Dhanraj	7387147051	80	
25	S.Y.B.Sc.	Shewale Nikita Dattatrey	8010169880	26	
26	S.Y.B.Sc.	Hyatij. Shubham Shantaram	9689960591	27	
27	S.Y.B.Sc.	Kor Pallavi Baburao	9923371259	39	
28	S.Y.B.Sc.	Ahire Bhagyashri Sharad	9172120484	401	
29	S.Y.B.Sc.	Khairnar Pratiksha Seldashiv	9834666424	36	
30	S.Y.B.Sc.	Shaikh Chandni Manjor	9579853727	37	

(Dr. M. D. Ahire)
HEAD
DEPARTMENT OF BOTANY
S.P.H. Arts, Sci. & Comm. College
Nampur, Tal. Baglan (Nashik)



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


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: 2021-2022

Duration: 6 Months, September 2021 to February 2022 (38 Lectures)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01.09.2021		03.09.2021	
	07.09.2021			09.09.2021	
13.09.2021		15.09.2021			
		29.09.2021			02.10.2021
		06.10.2021			
11.10.2021			14.10.2021		
18.10.2021			20.10.2021	21.10.2021	
	26.10.2021				30.10.2021
	16.11.2021				20.11.2021
		24.11.2021			27.11.2021
			02.12.2021		
06.12.2021				10.12.2021	
	14.12.2021				18.12.2021
		22.12.2021			
27.12.2021				31.12.2021	
03.01.2022				07.01.2022	
	11.01.2022				15.01.2022
		19.01.2022			
		26.01.2022			
31.01.2022				04.02.22	
			10.02.22		
		17.02.22			
	22.02.2022				


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DEPARTMENT OF BOTANY
S.P.H. Arts, Sci. & Com. College
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MAHATMA GANDHI
VIDYAMANDIR, NASHIK

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

CERTIFICATE

This certificate is awarded to **Kumavat Gayatri Jagannath** of Class F.Y.B.Sc for successful completion of the Certificate Course in "Edible Mushroom Cultivation, Marketing and Consumption" from 1st September 2021 to 28th February 2022 organized by Department of Botany, Samajshree Prashantdada Hiray Arts, Science & Commerce College, Nampur.

Dr. D. S. Pagar
Co-ordinator

Dr. M. D. Ahire
Head of the Department

Dr. U. B. Kadam
Principal

Received