

M .G. Vidyamandir's  
M.S.G. Arts, Science & Commerce College, Malegaon Camp – 423105 (Nasik)  
P. G. Department of Botany

### Certificate Course in “Mushroom Cultivation”

Syllabus Credit-2.5 (38 L)

Academic Year: 2021-2022

**Duration:** 3 Months, August-October-2021

Sr. No.	Syllabus	Name of the Faculty
	<b>Credit-I (15)</b>	
1	Mushroom: Introduction and General History	Prof. 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	Dr. P. S. Patil
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	Dr. J. T. Jadhav
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	Dr. Y. C. Shastri
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.	Prof. Y. B. Mamude
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 (0.5 Credit, 8 L.) Practicals</b>	
1	Preparation of Spawn for Mushroom Cultivation	
2	Cultivation of <i>Pleurotus</i> Mushroom	
3	Preparation of Mushroom Recipes	