

**Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur**

Department of Botany

Organized

Skill- Based Mushroom Cultivation Certificate Course

Session 2022-23

REPORT

Mushroom is a fungus which belongs to Basidiomycetes family. It is the only edible fungus. Mushroom cultivation is a technology of growing mushrooms using plant, animal and industrial waste. In a nutshell mushroom cultivation is a **“Wealth out of waste technology”**. Mushroom cultivation is a technique which lead to the entrepreneurship and it is advantageous for students under the heads “Earn while learn”.

Department of Botany conducted Two days workshop on **‘Mushroom Cultivation’**, skill based program under Life Long Learning and Extension, RTMNU, Nagpur for the session 2022-23 on 23 and 24th of March 2023 in Botany laboratory, Shri Shivaji Science College, Nagpur.

Chief Guest of the program was Mr. Abhimanyu Rao Dongarwar, founder and developer of Sky Mushrooms and training and spawn laboratory. Prof. M.P.Dhore, Principal congratulated the students and advised that the course has much more potential in terms of gaining the employment. Prof. R.N. Deshmukh, HOD highlighted the value of mushrooms. Dr. R.H.Mahakhode, Co-ordinator, Mushroom Cultivation Certificate Course (skill based program) learned about the importance, medicinal and nutritional values of the edible mushroom for humankind and also developed the employment skill among the students.

Mr. Abhimanyu Rao Dongarwar guided the students to understand the Mushroom Cultivation technique. The program was attended by students through registration under this course. The workshop was conducted for two days, in which students learned about exploring mushrooms, cultivation of Oyster mushrooms and its types. Students gained knowledge about benefits of edible mushrooms including how to fill bags and spawn preparation & information about varieties of mushrooms like button mushrooms, paddy straw mushroom, oyster mushrooms, milky mushrooms etc.

The duration of the course is 45 hrs. The programme held in the following manner-

First Guest lecture was held on 18th November 2022, in which students learned about “Introduction and Identification of Edible Mushrooms”.

Second lecture was conducted on 15th March 2023, in which “Sterilization Technique and Preparation of Substrate/ Compost and Nutrition Value of Mushrooms” learnt by students.

In the third lecture students acquired knowledge about “Inoculation, Harvesting, Storage and Marketing of Edible Mushrooms” which was conducted on 16th March 2023.

Prof. R. N. Deshmukh, Prof. P.S. Tiwari, Dr. Mrs. R. P. Sonwalker, M. P. Bulkunde attended the programme.

Importance of Oyster Mushrooms-

Mushrooms found to have high protein contents (i.e., 50-51%) along with the proteins have 18 different types of amino acids. It has a high minerals content, Vitamin C, D and Vitamin B1, B3, B5 and Cyanocobalamin. Mushrooms can be easily grow and it has good economic values. The yield of mushrooms is noteworthy when properly managed to care. Mushroom also show anti- cancerous, anti-diabetics along with that antiaging, zero fat level, and antiviral, also used in antibiotics preparation. Mushrooms utilize to normalize and stabilized blood pressure for heart patients, increases metabolism and contains insulin, improves digestion etc.

Students were completed projects on topics,

Project 1: Mushroom Cultivation: Sterilization & Inoculation Technique

Project 2: Mushroom Cultivation: Harvesting & Processing

The certificate course was completed by taking examination of the students. Question papers are of 50 Marks and it contains 25 objective type questions and each carries 2 marks.



Workshop on Mushroom Cultivation – Day 1



Time: 23-03-2023 12:55
Note: Mushroom Cultivation



Latitude: 21.127811
Longitude: 79.082493
Elevation: 440.46±1.65 m
Accuracy: 157.5 m
Time: 11-18-2022 12:46

Powered by NoteCam



Latitude: 21.128093
Longitude: 79.081846
Elevation: 333.46m
Accuracy: 36.9m
Time: 23-03-2023 14:15
Note: Mushroom Cultivation



Latitude: 21.128102
Longitude: 79.081844
Elevation: 333.46m
Accuracy: 21.6m
Time: 23-03-2023 14:18
Note: Mushroom Cultivation



GPS Map Camera
Nagpur, Maharashtra, India
43HJ+6HW, Humpyard Rd, Near Ajni Railway Station, Nagpur, Nagpur, Maharashtra 440012, India
Lat 21.128116°
Long 79.08185°
23/03/23 02:31 PM GMT +05:30



GPS Map Camera
Nagpur, Maharashtra, India
Humpyard Rd, opp shivaji science college, 43HJ+4R9, Congress Nagar, Ajni Medical Colony, Ajni, Dhantoli, Nagpur, Maharashtra 440012, India
Lat 21.128054°
Long 79.08187°
23/03/23 02:54 PM GMT +05:30

Workshop on Mushroom Cultivation – Day 2



Fruiting Body of Oyster Mushroom – Day 15



Dr. R. H. Mahakhode

Convener
Dr. R. H. Mahakhode

S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2022-2023)
Certificate Course: Mushroom Cultivation

TWO DAYS WORKSHOP


Notice


Date: 21/03/2023

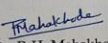
Department of Botany will be organizing Two Days Workshop on "Mushroom Cultivation" and power point presentation by Dr. Abhimanyu Rao Dongarwar, Expert, Sky Mushroom, Nagpur for the registered students of Certificate Course under Department of Life Long Learning and Extension, RTMNU, Nagpur for the session 2022-23 to inculcate Entrepreneurship Skill and Self Employment amongst the students.

Date: 23-24 March 2023

Time: 1:00 pm Venue: Botany Lab


Prof. R.N. Deshmukh
HOD
Dept. of Botany


Prof. M.P. Dhore
Principal
Science College, Nagpur


Dr. R.H. Mahakhode
Course Coordinator
Dept. of Botany

S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.


Department of Botany
SKILL BASE PROGRAMME (2022-2023)
Certificate Course: Mushroom Cultivation


GUEST LECTURE

Notice

Date: 17/11/2022

The students who are admitted in Mushroom Cultivation Certificate Course (Skill Base Course) under Department of Life Long Learning and Extension, RTMNU, Nagpur for the session 2022-23 are hereby informed that department of Botany is organizing Guest lecture, by Dr. Abhimanyu Rao Dongarwar, Expert, Sky Mushroom, Nagpur on 18th November at 12.30 pm in C-1 Class room. All Students are informed to remain present for the same.


Dr. R.H. Mahakhode
Course Coordinator
Dept. of Botany
Assistant Professor
Department of Botany
SSES Amt's Science College
Congress Nagar, Nagpur-44001.


Prof. R.N. Deshmukh
HOD
Professor in Head
Dept. of Botany,
SSES Amt's Science College,
Congress Nagar, Nagpur-42

S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.


Department of Botany
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Certificate Course: Mushroom Cultivation

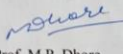
GUEST LECTURE 3

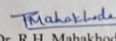
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Date: 13/03/2023

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
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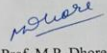
GUEST LECTURE 2

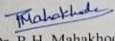
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S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2022-2023)
Certificate Course: Mushroom Cultivation

WORKSHOP ATTENDANCE Date: 23-24/03/2023

Sr. No	Name of Students	Class	Group	Signature
1	Badwaik Ayush	BSC - II	CBZ	<i>[Signature]</i>
2	Batke Manoj Abhishek	BSC - II	CBZ	<i>[Signature]</i>
3	Bawankar Prakash Vaidehee	BSC - II	CBM	<i>[Signature]</i>
4	Bhandare Prakash Kopal	BSC - II	CBG	<i>[Signature]</i>
5	Chipate Pravin Tanaya	BSC - II	CBM	<i>[Signature]</i>
6	Dutta Soni Raven	BSC - I	CBZ	<i>[Signature]</i>
7	Ghadge Ramu Siddhant	BSC - I	CBM	<i>[Signature]</i>
8	Giri Devendra	BSC - II	CBZ	<i>[Signature]</i>
9	Hadke Rashjrapal Tanmayee	BSC - II	CBZ	<i>[Signature]</i>
10	Khobragade Komal	BSC - III	CBZ	<i>[Signature]</i>
11	Mahule Nitin Yash	BSC - III	CBG	<i>[Signature]</i>
12	Mishra Rajiv Khushi	BSC - III	CBZ	<i>[Signature]</i>
13	Mohod Sanjay Madhavi	BSC - III	CBG	<i>[Signature]</i>
14	Muley Shrikant Avantika	BSC - I	CBG	<i>[Signature]</i>
15	Nagare Pradip Tanmay	BSC - I	CBM	<i>[Signature]</i>
16	Pandey Bipin Divya	BSC - II	CBZ	<i>[Signature]</i>
17	Raut Prabhakar Mansi	BSC - III	CBM	<i>[Signature]</i>
18	Roria Singh Ranvir Madhavi	BSC - II	CBZ	<i>[Signature]</i>
19	Shinde Vijay Akansha	BSC - I	CBZ	<i>[Signature]</i>
20	Singh Rakesh Divya	BSC - II	CBM	<i>[Signature]</i>

S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2022-2023)
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GUEST LECTURE 2 ATTENDANCE Date: 15/03/2023

Sr. No	Name of Students	Class	Group	Signature
1	Badwaik Ayush	BSC - II	CBZ	<i>[Signature]</i>
2	Batke Manoj Abhishek	BSC - II	CBZ	<i>[Signature]</i>
3	Bawankar Prakash Vaidehee	BSC - II	CBM	<i>[Signature]</i>
4	Bhandare Prakash Kopal	BSC - II	CBG	<i>[Signature]</i>
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GUEST LECTURE 3 ATTENDANCE Date: 16/03/2023

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