

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

Department of Botany
SKILL BASE PROGRAMME (2023-2024)
Certificate Course: Mushroom Cultivation

Notice

The Department of Botany is conducting **Certificate Course on Mushroom Cultivation** (Skill Base Course) under Department of Life Long Learning and Extension, RTMNU, Nagpur for the session 2023-24. Interested students of B.Sc. Part I, Part II & Part III should registered themselves in early and contact to the Course Coordinator Dr. R. H. Mahakhode immediately.

Course	Admission Fees
Mushroom Cultivation	Rs. 500/-

R. Mahakhode

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

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

Department of Botany
SKILL BASED PROGRAMME (2023-2024)
Certificate Course: Mushroom Cultivation
List of admitted students

Sr. No	Name of Students	Sr. No	Name of Students
1	Admane Tanvi Ravindra	20	Nakhale Mansi Nagesh
2	Bangadkar Megha Sanjay	21	Nagpure Gayatri Tejlal
3	Bambal Aishwarya Pramod	22	Patil Chaitali Sandeep
4	Bisen Minal Shankar	23	Rajput Madhura Chandrashekhar
5	Bhandarkar Toral Suresh	24	Raut Sanika Vilas
6	Borkar Sejal Rajesh	25	Satpute Sanvay Sanjay
7	Burade Janhavi Narendra	26	Samrit Smita Arvind
8	Chirkute Anushree Vijay	27	Siingh Riya Virendra kumar
9	Chaudhari Ketaki Prakash	28	Shende Kasak Pravin
10	Dorle Yash Sunil	29	Solanki Mohak Hitesh
11	Durbule Rasika Rajesh	30	WasekarJiwak Dilip
12	Fiske Vedanti Jagdish	31	Waghmare Aditya Anand
13	Ghangare Priyanka Liladhar	32	Wankhede Shreya Dnyaneshwar
14	Ghaturle Grishma Vinod	33	Walke Devyani Ratnakar
15	Gurnule Madhavi Dhanraj	34	Wasnik Aakanksha Lahanu
16	Jadhao Ekta Lokhande	35	Yadav Dipesh Gyaneshwar
17	Kolhe Chetan Sanjay	36	Yadav Soumya Sunil
18	Kowe Rajshree Parmanand	37	Zade Akanksha Sanjay
19	Mahajan Bhumi Sudhakar	38	Zadgaonkar Avanti Anirudha

S.S.E.S. Am't'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.

Mahakhode
Dr. R.H. Mahakhode
Course Coordinator
Dr. Rupal H. Mahakhode
Assistant Professor
Department of Botany
S.S.E.S. Am't's Science College
Congress Nagar, Nagpur-490012.

B.R.
Prof. R.N. Deshmukh
HOD
Department of Botany
S.S.E.S. Am't's Science College,
Congress Nagar, Nagpur-490012.

S.S.E.S. Am't's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2022-2023)
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GUEST LECTURE 2

Notice

Date: 13/03/2023

The students who are admitted in Mushroom Cultivation Certificate Course (Skill Based Course) under Department of Life Long Learning and Extension, RTMNU, Nagpur for the session 2022-23 are hereby informed that department of Botany will be organizing Guest lecture, by Dr. Abhimanyu Rao Dongarwar, Expert, Sky Mushroom, Nagpur on 15th March at 1.00 pm in C-1 Class room. All Students are informed to remain present for the same.

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

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

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

S.S.E.S. Am't's Science College, Congress Nagar, Nagpur.

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

GUEST LECTURE 3

Notice

Date: 13/03/2023

The students who are admitted in Mushroom Cultivation Certificate Course (Skill Based Course) under Department of Life Long Learning and Extension, RTMNU, Nagpur for the session 2022-23 are hereby informed that department of Botany will be organizing Guest lecture, by Dr. Abhimanyu Rao Dongarwar, Expert, Sky Mushroom, Nagpur on 16th March at 12.00 pm in C-1 Class room. All Students are informed to remain present for the same.

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

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

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

S.S.E.S. Am't's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2022-2023)
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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

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

M.Dhore
Prof. M.P. Dhore
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Mahakhode
Dr. R.H. Mahakhode
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S.S.E.S. Amt's Science College, Congress Nagar, Nagpur.

Department of Botany
SKILL BASED PROGRAMME (2023-2024)
Certificate Course: Mushroom Cultivation

Guest Lecture

Attendance

22/03/2024

Sr. No	Name of Students	Signature
1	Admane Tanvi Ravindra	
2	Bangadkar Megha Sanjay	
3	Bambal Aishwarya Pramod	
4	Bisen Minal Shankar	
5	Bhandarkar Toral Suresh	
6	Borkar Sejal Rajesh	
7	Burade Janhavi Narendra	
8	Chirkute Anushree Vijay	
9	Chaudhari Ketaki Prakash	
10	Dorle Yash Sunil	
11	Durbule Rasika Rajesh	
12	Fiske Vedanti Jagdish	
13	Ghangare Priyanka Liladhar	
14	Ghaturie Grishma Vinod	

15	Gurmule Madhavi Dhanraj	
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18	Kowe Rajshree Parmanand	
19	Mahajan Bhumi Sudhakar	
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21	Nagpure Gayatri Tejal	
22	Patil Chaitali Sandeep	
23	Rajput Madhura Chandrashekhar	
24	Raut Sanika Vilas	
25	Satpute Sanvay Sanjay	
26	Samrit Smita Arvind	
27	Siingh Riya Virendra kumar	
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35	Yadav Dipesh Gyaneshwar	
36	Yadav Soumya Sunil	
37	Zade Akanksha Sanjay	
38	Zadgaonkar Avanti Anirudha	

Dr. R. H. Mahakhode
Coordinator
Assistant Professor
Department of Botany
SSES Amt's Science College
Congress Nagar, Nagpur-440017.

**Shri Shivaji Education Society Amaravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur
Department of Botany
Organized
Skill- Based Mushroom Cultivation Certificate Course
Session 2023-24**

REPORT

Department of Botany organized Skill Based Programme under Department of Life Long Learning and Extension, RTM Nagpur University, Nagpur for the session 2023 -2024 on Mushroom Cultivation. Botany Department signed MOU with Organo Mushroom, Nagpur on 2nd March 2024. Under this MOU department was organized a training program for the students of Bachelor of Science & Master's of Science. The purpose of Skill Based Programme to develop Entrepreneurship Skill, Nutritional Awareness, Scientific Inquiry, Career Exploration and Self Employment for the students. The duration of the course is 45 hrs. Total 38 Students participated in this program. Department of Botany signed MOU with Organo Mushroom, Nagpur. The registered students under this course attend lectures; practical's and hands on training on mushroom cultivation. The lectures were conducted on different topics entitled Introduction and Identification of Mushroom and their types, Inoculation and Sterilization techniques Mushroom Cultivation techniques, Substrate preparation, Incubation phase, Environmental conditions, Fruiting & Harvesting, Challenges and solutions, Market Potential and Social Impact of Mushrooms. Hands on Session were taken from 27th March 2024 to 2nd April 2024. Registered students visited to Organo Mushroom Farm.

The student participated in hands-on training on mushroom cultivation. Through this training, students learned about fungal biology, sustainable farming practices. They engaged in various stages of the cultivation process where students prepared substrates, inoculated them with mushroom spawn, Bag casing involves adding a layer of spawns inside the cultivation bags, Pinning refers to the stage where tiny mushroom primordia known as pins to start from the surface of casing layer and maintained optimal conditions for mycelium growth. Humidity, Temperature, Fresh Air Exchange monitoring and adjusting these conditions teach students the importance of precision and care in cultivation process throughout the training, strict hygiene and safety protocols were emphasized to prevent contamination. Students observed the fruiting and harvesting stages, gaining insights into both the scientific and practical aspects of

mushroom farming. Students experience that session was more informative and Interactive. At the end students gave their feedbacks and explained how they are benefitted.

Chief Guest of the program was Mrs. Priya Anilkumar Bavaskar, Founder and Director, Organo Mushroom explained the various techniques of mushroom cultivation. Prof. M.P. Dhore, Principal guided the students about their overall development by learning several skills in hand on training in mushroom cultivation. We would like to express our heartfelt gratitude for their unwavering support and encouragement in providing valuable Hands on learning experiences to all participants. Under visionary leadership and constant motivation of Prof R. N. Deshmukh, Head of the Department, your guidance and efforts in providing students with necessary resources, expertise and passion for sharing knowledge have illuminated the path throughout this journey. Dr. R. H. Mahakhode, Course Coordinator, Mushroom Cultivation Certificate Course (skill based program) guided the students about the importance, medicinal and nutritional values of the edible mushroom for humankind and also developed the employment skill among the students.

Prof P.S. Tiwari, Dr. R.P. Sonwalkar, Dr. S.S. Deshmukh Ms. Shruti Agrawal, Ms. Aishwarya Zure and Non -Teaching staff with their cooperation the activity has been successfully implemented and making programme grand success.

Registered students were visited to Organo Mushroom Lab. on 6th April after the completion of Hands on training on mushroom cultivation. Students were given the projects in a group on different topics of mushroom cultivation technique. The certificate course was completed by taking examination of the students. Theory question paper is of 50 Marks and it contains 25 objective type questions and each carries 2 marks. Practical question paper is of 30 marks and carries 5 marks each.



Lectures conducted by Faculty & Guest on Mushroom Cultivation



Inoculation and Sterilization Technique



Preparation of Substrate, bag casing and pinning training session



Incubation phase, Primordial stage, Fruiting and Harvesting



Students visited to ORGANO MUSHROOM Farm



Mahakhode
Dr. R.H. Mahakhode
Course Coordinator

Action Taken Report

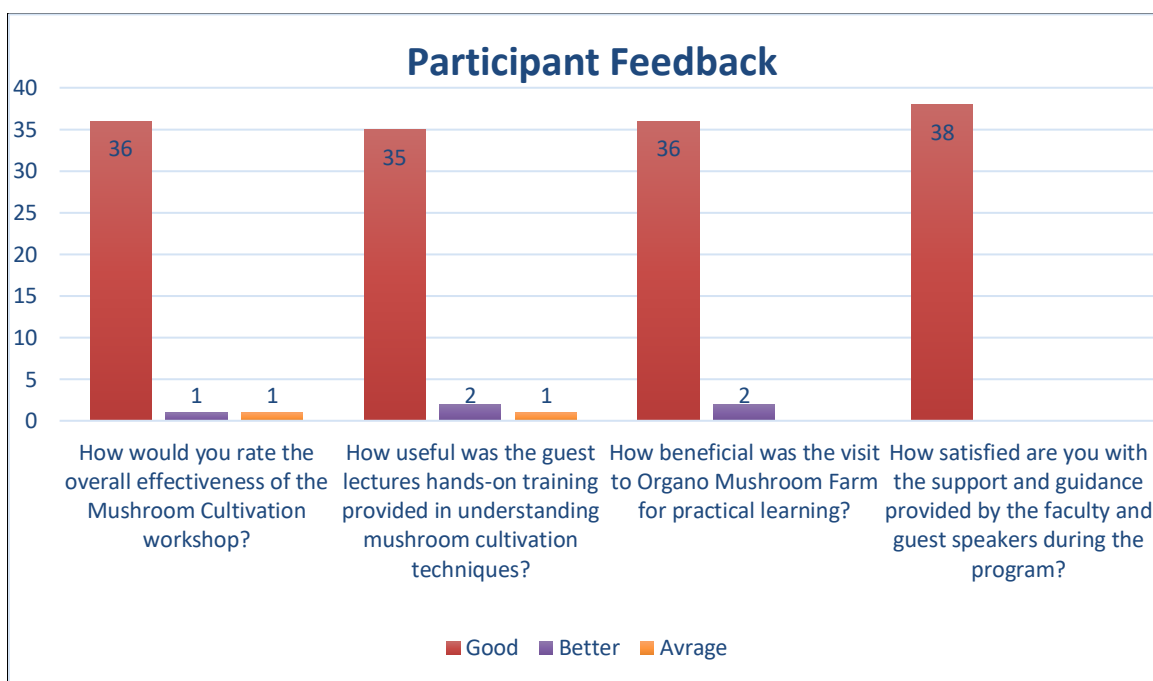
The Department of Botany, Shri Shivaji Science College organized a Skill Based Programme on Mushroom Cultivation for the session 2023-2024. An MOU was signed with Organo Mushroom, Nagpur, on March 2, 2024, to provide training for B.Sc. and M.Sc. students. The 45-hours course covered various aspects of mushroom cultivation, including substrate preparation, inoculation, and harvesting, and included hands-on training. Students visited Organo Mushroom Farm and engaged in practical sessions, learning about fungal biology and sustainable farming practices. The program concluded with a project submission and examination. Mrs. Priya Anilkumar Bavaskar, Founder of Organo Mushroom, delivered a keynote address, and the event was supported by faculty and staff, highlighting its success in developing students' skills and knowledge.


R. Mahakhode

Dr. R.H. Mahakhode
Course Coordinator

FEEDBACK FORM

Sr. No.	Question	Response		
		Good	Better	Average
1)	How would you rate the overall effectiveness of the Mushroom Cultivation workshop?			
2)	How useful was the guest lectures hands-on training provided in understanding mushroom cultivation techniques?			
3)	How beneficial was the visit to Organo Mushroom Farm for practical learning?			
4)	How satisfied are you with the support and guidance provided by the faculty and guest speakers during the program?			




Dr. R.H. Mahakhode
 Course Coordinator