

**Course Name: Current trends in Mushroom culture**

**Course code: VAC BT 110**

**Duration: 14.06.2021 – 29.06.2021**

**Course offered by:**

**Department of Biotechnology**

**VALUE ADDED COURSES**

**SESSION 2020-21**



## **Mushroom culture & Technology**

### **Objectives:**

To acquaint the students about biotechnological techniques used in Mushroom industry

**Coordinator Name:** Dr. Amit Kumar

**Designation:** Assistant Professor

**Department:** Biotechnology KVSCOS,

**Email ID:** amit.agbiotech1581@gmail.com

**Ph No:** 8267010205

**VALUE ADDED COURSES Session 2015-16  
REGISTRATION FORM**

**REGISTRATION FORM**

**Name:**.....

**Enrolment No:**.....

**Program:**.....

**Sem. & Year:**.....

**Contact No./Mobile:**.....

**E-mail:**.....

**Course Opted:**.....

**Course Code:**.....

**Signature with date:**.....

**Coordinator Name:** Dr Amit Kumar

Designation: Assistant Professor

Department: Biotechnology, KVSCOS,  
SVSU, Meerut

E m a i l I D :

amit.agbiotech1581@gmail.com

Ph No: 8267010205

**Course Schedule**

**14.06.2021 – 29.06.2021**

**2.00 pm 3.00 pm**

Name of Value Added Course: **Current trends in Mushroom culture**

Course Code: **VAC-BT-110**

Time: **30hrs**

**Course Objectives:** To acquaint the students about biotechnological techniques used in Mushroom industry.

**Unit 1:**

Introduction, history. Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms. Types of edible mushrooms available in India.

**Unit 2:**

Cultivation Technology : Infrastructure: substrates (locally available) Polythene bag, vessels, Inoculation hook, inoculation loop, low cost stove, sieves, culture rack,

**Unit 3:**

Pure culture: Medium, sterilization, preparation of spawn, multiplication. Mushroom bed preparation - paddy straw, sugarcane trash, maize straw, banana leaves.

**Unit 4:**

Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions.

**Course Learning Outcomes:** After studying this course the student will be able to:

- **Define** various terms used in Mushroom Culture Technology.
- **Identify** the edible mushrooms available in India.
- **Explain** the botanical name, family and plant parts of edible mushrooms used by human being.

**References:**

1. Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R (1991) Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
2. Swaminathan, M. (1990) Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
3. Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.
4. Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

  
Registrar  
Swami Vivekanand  
Subharti University  
MEERUT

  
(Dr. Atkansha)



**Department of Biotechnology**  
**Keral Verma Subharti College of Science**

SWAMI VIVEKANAND SUBHARTI UNIVERSITY  
(Established under UP Govt act 29 of 2008 and approved under section 2(I) of UGC act 1956)  
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Ref.No. KVSCOS/BT/2021/008

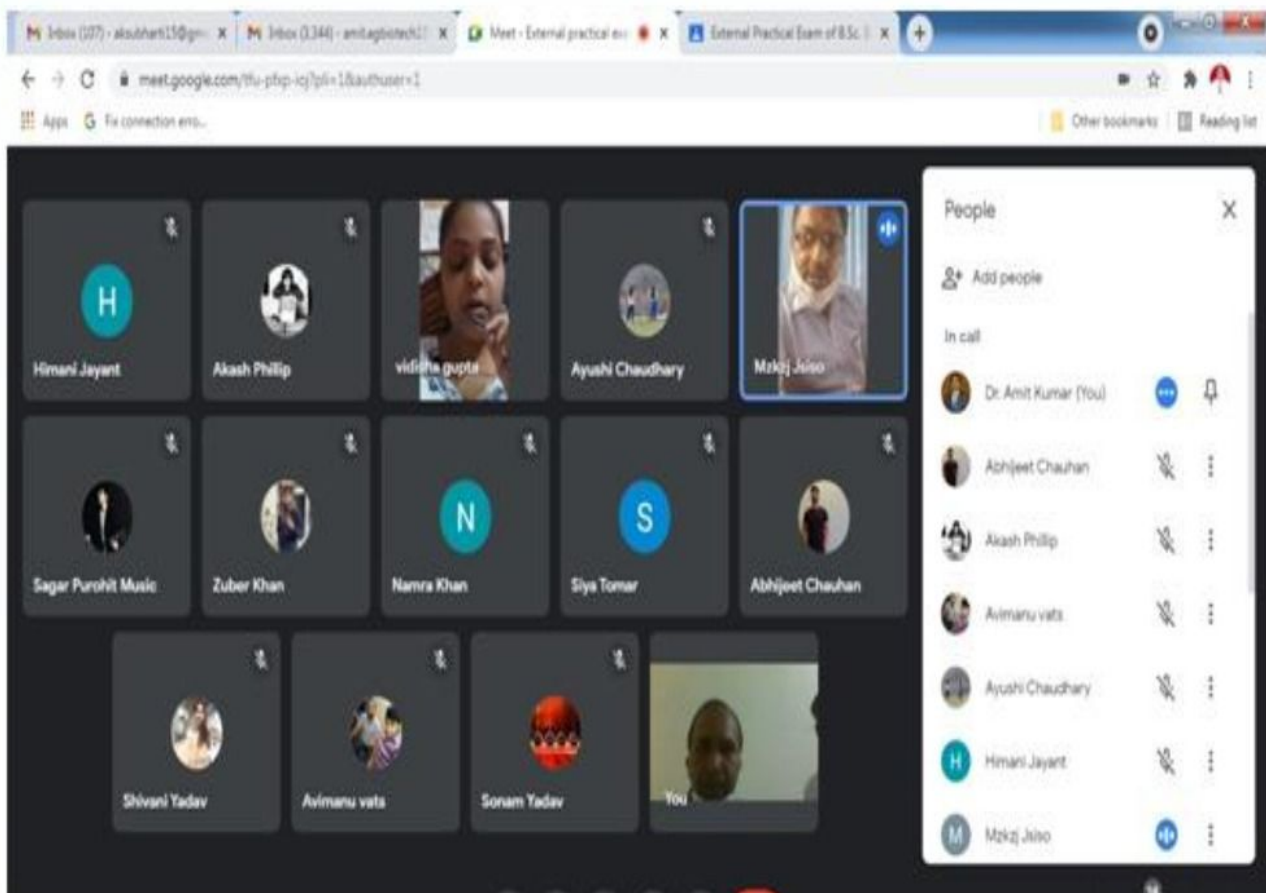
30-06-2021

**Report on Value Added Course**

A sixteen days (1 hour per day) value added course on CURRENT TRENDS IN MUSHROOM CULTURE was conducted in the department for UG & PG students. The course starts on 14-06-2021 and 30 students registered themselves in the course. The sessions were handled by course coordinator Dr. Amit Kumar, for improving the mushroom cultivation skill of the students. The course was completed on 29-06-2021 and all the 30 students registered successfully completed the course. Students felt that the course was very much helpful and they got the basic knowledge on technology used for mushroom cultivation.

  
HOD

Department of Biotechnology





**Department of Biotechnology**  
**Keral Verma Subharti College of Science**  
**SWAMI VIVEKANAND SUBHARTI UNIVERSITY**



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Ph. 0121-2439578, 2439052, 3058031, 3056032; Telefax: 0121

Ref.No. KVSCOS/BT/2021/007

13-06-2021

**LIST OF ENROLLED STUDENTS**  
**VALUE ADDED COURSE**  
**2020-21**

<b>Name of course</b>	<b>Name of faculty</b>	<b>Semester</b>
Current trends in Mushroom culture	Dr. Amit Kumar	Even Sem.
<b>Course Duration</b>	<b>Mode of Teaching</b>	<b>Course schedule</b>
Min 16 Hours	Online (Google Meet)	14 June 2021 to 29 June 2021 3:00pm to 4:00pm

Sr. No.	Student Unique Enrolment ID	Name of the student	Programme name
1	1806000021468	HIMANI JAYANT	B.Sc Biotechnology
2	1806000021469	SHIVANI	B.Sc Biotechnology
3	1806000021470	SONAM YADAV	B.Sc Biotechnology
4	1806000021471	PRIYANSHU KUMAR MISHRA	B.Sc Biotechnology
5	1806000021935	AYUSHI RANA	B.Sc Biotechnology
6	1806000022035	ABHIJEET CHAUHAN	B.Sc Biotechnology
7	1806000022133	NIKHIL GUPTA	B.Sc Biotechnology
8	1806000022137	ADNAN ANSARI	B.Sc Biotechnology
9	2006000050287	Bhumika	M.Sc Biotechnology
10	2006000050311	Saryu Dixit	M.Sc Biotechnology
11	1906000001142	Kanishka garg	B.Sc Biotechnology
12	1906000001707	Aryan chahal	B.Sc Biotechnology
13	1906000001141	Shivangi Sharma	B.Sc Biotechnology
14	1906000001148	Puja Sree	B.Sc Biotechnology
15	1906000001147	Gunjan Rana	B.Sc Biotechnology
16	1906000001149	Soyab,	B.Sc Biotechnology
17	1906000001143	Sumit	B.Sc Biotechnology
18	1906000001144	Kunal saini	B.Sc Biotechnology
19	1906000001151	Nitin kumar	B.Sc Biotechnology
20	2006000050450	Km Shalini	M.Sc Biotechnology
21	P-34133	Aditya Singh	M.Sc Biotechnology
22	2006000050440	Akansha Singh	M.Sc Biotechnology
23	1806000021411	ANSHUL JAIN	B.Sc Biotechnology



(Dr. Akansha)



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24	1906000001722	Sneha Singh	B.Sc Biotechnology
25	1906000001706	Anuj	B.Sc Biotechnology
26	1906000001145	Asabulhak	B.Sc Biotechnology
27	1806000021416	ALOK TYAGI	B.Sc Biotechnology
28	1806000021463	AKASH PHILLIP	B.Sc Biotechnology
29	1806000021464	MOH MUNAVVAR	B.Sc Biotechnology
30	P-34543	Vidushi Chaudhary	M.Sc Biotechnology



*Dr.*  
(Do. Azikunshu)



**Swami Vivekanand Subharti University, Meerut**

**CERTIFICATE OF COMPLETION**

*Organized by*  
**Department of Biotechnology,**  
**KERAL VERMA SURABHARTI COLLEGE OF SCIENCE**

*This is to certify that..... Vidisha Gupta ..... Class B.Sc. Biotechnology 3<sup>rd</sup> year, Department/College... Biotechnology, KVSCOS..has successfully completed the Value Added Course entitled "Current trends in Mushroom culture" during, 14.06.2021 to 29.06.2021.*

*Aakansha*  
Dr. Aakansha Goswami  
(HOD)

*Amit Kumar*  
Dr. Amit Kumar  
(Coordinator)



**Swami Vivekanand Subharti University, Meerut**

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*This is to certify that... Sneha Singh..... Class B.Sc. Biotechnology 3<sup>rd</sup> year, Department/College... Biotechnology, KVSCOS..has successfully completed the Value Added Course entitled "Current trends in Mushroom culture" during, 14.06.2021 to 29.06.2021.*

*Aakansha*  
Dr. Aakansha Goswami  
(HOD)

*Amit Kumar*  
Dr. Amit Kumar  
(Coordinator)



**Swami Vivekanand Subharti University, Meerut**

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*This is to certify that... Km Shalini ..... Class M.Sc. Biotechnology 1<sup>st</sup> year, Department/College... Biotechnology, KVSCOS..has successfully completed the Value Added Course entitled "Current trends in Mushroom culture" during, 14.06.2021 to 29.06.2021.*

*Aakansha*  
Dr. Aakansha Goswami  
(HOD)

*Amit Kumar*  
Dr. Amit Kumar  
(Coordinator)

उत्तमस्तः जाग्रतः प्राप्य वरान्निबोधत