

H.K.E. Society's
B.V. Bhoomaraddi College of Arts, Science and Commerce, Bidar
Department of Botany

**Value added course on
Mushroom Cultivation
2021-22**

Course co-ordinator

Mr. Jadhav Anilkumar
Head
Department of Botany

H.K.E. Society's

B.V.BHOOMARADDI COLLEGE OF ARTS, SCIENCE AND COMMERCE, BIDAR
DEPARTMENT OF BOTANY

VALUE ADDED COURSE 2021-2022

Course Name : Mushroom Cultivation
Duration : 30 Hrs
Course Coordinator : Mr. Jadhav Anilkumar
Time of Course : 09:00 to 10:00Am Practical's on Sunday
Number of Students : 16

Name of the lecturers

1. Mr. Jadhav Anilkumar
2. Miss. Rasika Patil
3. Mrs. Nageshwari Swamy

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DEPARTMENT OF BOTANY




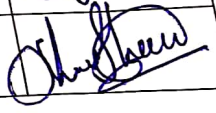
VALUE ADDED COURSE 2021-2022

Mushroom Cultivation

Intuitional BOS Meeting

The institutional BOS meeting of the Department of Botany for the Value added course on "Mushroom Cultivation" was held on 20/05/2022 at IQAC room at 11.15am

Institutional BOS

Sl. No	Name	Institute	Designation	Signature
1	Mr. Jadhav Anilkumar	Guest Lecture Department of Botany B.V.B Degree college Bidar	Chairman	
2	Miss. Rasika Patil	Guest Lecture Department of Botany B.V.B Degree college Bidar	Member	
3	Mrs. Nageshwari Swamy	Guest Lecture Department of Botany B.V.B Degree college Bidar	Member	
4	Dr. Shivputra Shambu	Department of Horticulture, Bidar	HOD Of Horticulture	

At the beginning of the meeting chairman of the institutional BOS welcomed all the members and briefed them about the progress of the department of botany. The members appreciated and expressed their satisfaction about the course and activities of the department

After the discussion following resolutions were made

Item 1. Starting of value added course on Mushroom cultivation

The BOS discussed and resolve that the course should be started form June 2022.

Item 2. Approval of the syllabus for value added course

The BOS discussed and approved the syllabus for the value added course on Mushroom cultivation.

Item 3. Criteria for admission, regulation and policies to run the course and examination pattern

The BOS discussed and approved the criteria for admission and resolved that the student should have enrolled in BOS is concluded with Vote of thanks by Mr. Jadhav Anilkumar Head Department of Botany.

The following members were present in the meeting

1. Mr. Jadhav Anilkumar
2. Miss. Rasika Patil
3. Mrs. Nageshwari Swamy
4. Dr. Shivputra Shambu

To,

Date: 03/06/2022

The Principal
B.V.Bhoomaraddi College of Arts,
Science and Commerce,
BIDAR


Sub: Request to grant permission to start Value added course on
Mushroom cultivation from the academic year
2021-22.

Respected Sir,

We would like to start the Value added course on "Mushroom
Cultivation" from the academic year 2021-22 with intake of 15
students. Please permit us to start the Value added course and do the
needful.

Thanking You.


HOD


PRINCIPAL
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B.V.Bhoomaraddi Coll
of Arts, Science & Com
BIDAR-585 493.

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Value added course 2021-22 on "Mushroom Cultivation"
Time table Theory (Time: 09-10am)

SL No	Date	Days	Signature
1	26 June 2022	Sunday	<i>[Signature]</i>
2	3 July 2022	Sunday	<i>[Signature]</i>
3	10 July 2022	Sunday	<i>[Signature]</i>
4	17 July 2022	Sunday	<i>[Signature]</i>
5	24 July 2022	Sunday	<i>[Signature]</i>
6	7 August 2022	Sunday	<i>[Signature]</i>
7	28 August 2022	Sunday	<i>[Signature]</i>
8	4 September 2022	Sunday	<i>[Signature]</i>
9	11 September 2022	Sunday	<i>[Signature]</i>
10	18 September 2022	Sunday	<i>[Signature]</i>
Practical Time table (Time: 11-01pm)			
1	26 June 2022	Sunday	<i>[Signature]</i>
2	3 July 2022	Sunday	<i>[Signature]</i>
3	10 July 2022	Sunday	<i>[Signature]</i>
4	17 July 2022	Sunday	<i>[Signature]</i>
5	24 July 2022	Sunday	<i>[Signature]</i>
6	7 August 2022	Sunday	<i>[Signature]</i>
7	28 August 2022	Sunday	<i>[Signature]</i>
8	4 September 2022	Sunday	<i>[Signature]</i>
9	11 September 2022	Sunday	<i>[Signature]</i>
10	18 September 2022	Sunday	<i>[Signature]</i>

[Signature]
HOD

[Signature]
Principal
B.V.Bhoomaraddi Co
of Arts, Science & Co
BIDAR-50004

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DEPARTMENT OF BOTANY

Value added course on "Mushroom Cultivation"

Preamble: This course is meant for the candidates who aspire to become expert knowledge to cultivate the mushroom and helps in imbalance of hormones and deficiency of nutrition. Mushroom cultivation is very important because mushrooms attracted mankind since the time immemorial due to their flavour and taste. It is highly protcinaceous and a healthy food. It also has medicinal properties like, free from cholesterol, negligible sugars, high fibre and a good source of vitamin D etc. Various mushroom they show antiviral and antitumor properties.

Mushroom cultivation leads students to understand the benefits of mushroom; it is most profitable business which can be done in less investment.

Learning Outcomes

1. Students will have the basic knowledge about mushroom cultivation and its nutritive value.
2. It has commercial value for farmers and gives self-employment.
3. Mushroom cultivation required no fuss-technology and little space to plant required.

Instructional Design:-

This course is of 30 hours duration which includes theory classes and Practical's.

Eligibility: Students enrolled in B.Sc. program of this college No. of Seats: 16

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Value added course on "Mushroom Cultivation"

Theory:

Unit 1-Mushroom: Introduction to Mushroom, Nutritional value and commercial production of Mushroom, Meaning of compost, principle and composition of compost.

Unit II-Spawn Production and Spawning: Facilities required for Spawn Preparation, Preparation of Spawn Substrate, Preparation of Culture Media, Culture and Maintenance of Spawn, Storage of Spawn, Casing and Casting Materials, Crop Management and Packing.

Practical's:

Mushroom Cultivation:

1. Compost Preparation
2. Preparation of Spawn Substrate
3. Preparation of Culture Media

References:

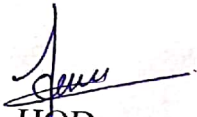
<https://agricultureguruji.com/mushroom-cultivation/>.

<https://www.biologydiscussion.com/fungi/mushrooms-meaning-values-and-cultivation-procedure/4663S>

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NOTICE

All the students are hereby informed that Department of Botany is offering the value added course on "**Mushroom Cultivation**" interested students can enroll their names with any faculty of Department of Botany on or before 27/5/2022

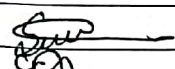
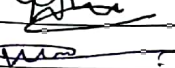
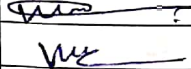
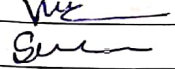

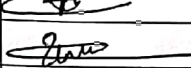
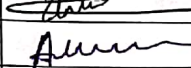
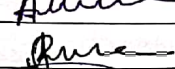
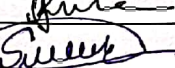
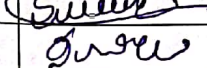
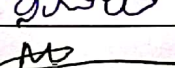
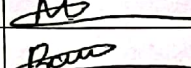
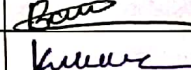
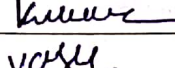
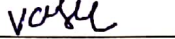

HOD



Principal


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BIDAR-585 400.

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DEPARTMENT OF BOTANY

List of students for Value added course 2021-22 on "Mushroom Cultivation"

SL No	Name of the Students	Contact No.	Signature
1	Shivani Ragunath	7760527645	
2	Sultanpur Dinesh		
4	Vaishnavi Shamanna	9035168542	
5	Swati Umakanth	8296721882	
6	Sagar Budha		
7	Anil Manik	6363305600	
8	Yogesh Balaji	9945541445	
9	Asha Laxman	6363175200	
10	Pratiksha Sayaji Rao	9535239638	
11	Shashikala Mallikarjun	9241448760	
12	Sunil kumar Kashinath		
13	Mayawati Shankar	9740892418	
14	Balbheem Yadhara Rao		
15	Kulthi Aditi Sunil	9538177568	
16	Vasurani	8431779783	


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NOTICE

All the students enrolled in Mushroom Cultivation are informed that CIE Examination for this course is going to be held on 14/08/2022 at Department of Botany.


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NOTICE

All the students enrolled in Mushroom Cultivation are informed that Course End Examination for this course is going to be held on 21/08/2022 at Department of Botany.

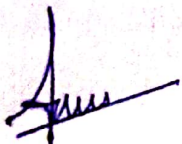

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RESULT SHEET

Register No	Name of the Students	Class	Internal marks	Theory marks	Marks Obtained	Remarks
U04AB21S0033	Shivani Ragunath	Bsc 2 nd sem	09	40	49	PASS
U04AB21S0133	Sultanpur Dinesh	Bsc 2 nd sem	08	38	46	PASS
U04AB21S0036	Vaishnavi Shamanna	Bsc 2 nd sem	09	38	47	PASS
U04AB21S0045	Swati Umakanth	Bsc 2 nd sem	09	37	46	PASS
U04AB21S0051	Sagar Budha	Bsc 2 nd sem	08	38	46	PASS
U04AB21S0055	Anil Manik	Bsc 2 nd sem	09	39	48	PASS
U04AB21S0066	Yogesh Balaji	Bsc 2 nd sem	09	40	49	PASS
U04AB21S0143	Asha Laxman	Bsc 2 nd sem	10	39	49	PASS
U04AB21S0068	Pratiksha Sayaji Rao	Bsc 2 nd sem	10	40	50	PASS
U04AB21S0080	Shashikala Mallikarjun	Bsc 2 nd sem	09	34	43	PASS
U04AB21S0083	Sunil kumar Kashinath	Bsc 2 nd sem	09	38	47	PASS
U04AB21S0086	Mayawati Shankar	Bsc 2 nd sem	10	40	50	PASS
U04AB21S0153	Balbheem Yadhara Rao	Bsc 2 nd sem	09	36	45	PASS
U04AB21S0088	Kulthi Aditi Sunil	Bsc 2 nd sem	10	40	50	PASS
U04AB21S0076	Vasurani	Bsc 2 nd sem	10	36	46	PASS


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DEPARTMENT OF BOTANY

Main Question Paper (Theory)
Value Added Course

Paper: Cultivation of Mushroom for Nutritional Value

Time: 2 hours

Max Marks: 40

Note:

1. Answer all Five Questions from Part "A" (5.2=10).
2. Answer any Two Questions from Part "B" (2.5=10).
3. Answer any Two Questions from Part "C" (2.10=20).

PART-A

5X2=10

1. What is spawn?
2. Write a short note on Button stage?
3. What are sporophyte.
4. Which is the commonly cultivate mushroom?
5. Name two edible mushroom.

PART-B

2X5=10

1. Define Nutrition? Describe the nutritive value of mushroom.
2. What are synthetic compost?
3. Explain facilities required for spawn production .

PART-C

2X10=20

1. Explain the process of harvesting and management of packing.
2. What is compost? Explain the composition of compost and machinery required.
3. Explain briefly preparation of good quality of spawn

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**B.V.BHOOMARADDI COLLEGE OF ARTS, SCIENCE AND COMMERCE, BIDAR
DEPARTMENT OF BOTANY**

Main Question Paper (Theory)

Value Added Course

Paper: Cultivation of Mushroom for Nutritional Value

Time: 40 Minutes

Max Marks: 10

Q. No. I. Answer any one of the following Questions.

1. Explain the preparation of spawn substrate and preparation of culture media
2. Explain the major steps in cultivation in mushroom

B.V. BHOOMARADDI COLLEGE OF
Students Attendance

Academic Year 2021 - 2022

Society
ART
 Reg
 Class

Sl. No.	Roll No.	Reg. No.	Name of Student	Date																	
				No. of Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	18		Shivani Raghunath		P	P	P	P	P	P	P	P	P	P							
2	19		Sultanpur Dinesh		P	P	P	P	P	P	P	P	P	P							
3	20		Divya Bhakati																		
4	21		Valshnavi Shamanna		P	P	P	P	P	P	P	P	P	P							
5	22		Swati Umakanth		P	P	P	P	P	P	P	P	P	P							
6	33		Bhuvaneshwan Bahu																		
7	39		Sagar Budha		P	P	P	P	P	P	P	P	P	P							
8	44		Anil Manik		P	P	P	P	P	P	P	P	P	P							
9	73		Jogesh Balaji		P	P	P	P	P	P	P	P	P	P							
10	76		Asha Laxman		P	P	P	P	P	P	P	P	P	P							
11	75		Patiksha Sayaji Rao		P	P	P	P	P	P	P	P	P	P							
12	95		Sheshikala Mallikarjun		P	P	P	P	P	P	P	P	P	P							
13	98		Sunil Kumar Kashinath		P	P	P	P	P	P	P	P	P	P							
14	102		Mayawati Shankar		P	P	P	P	P	P	P	P	P	P							
15	103		Balheem Jadhav Rao		P	P	P	P	P	P	P	P	P	P							
16	105		Kulthi Aditi Sunil		P	P	P	P	P	P	P	P	P	P							
17	90		Valukanth		P	P	P	P	P	P	P	P	P	P							

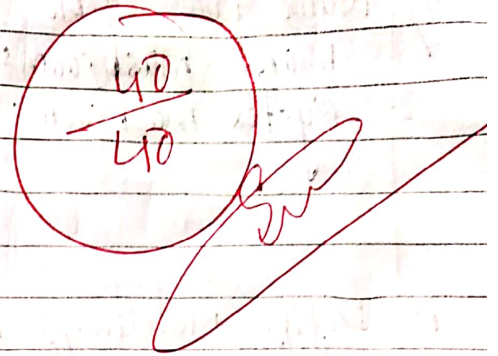
Signature of Lecturer with Date

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 B.V. BHOOMARADDI COLLEGE
 Science & Commerce
 D.A.R. 585 402

Cultivation of Mushroom for Nutritional value

Name - Pratiksha Sayaji Patil
Class - BSC, IInd Sem (CBZ)
Subject - Botany
Reg. No. - U04ABR150068



PART-A

1) What is spawn?

The mycelium of fungi the white fibrous matter forming the matrix from which fungi are produced. Spawn in computing refers to a function that loads and execute child process.

2) Write a short Note on button stage.

The mycelium forms a rhizomorph which is a highly twisted cord-like structure. At the time of reproduction, Rhizomorph develops spherical structures about it. This stage of basidiocarp is known as the button stage.

3) What are Saprophyte?

Saprophytes are living organisms that eat other organisms' remnants. They decompose complex organic stuff into simpler molecules that plants can utilize in several metabolic processes. They are heterotrophs. Most fungi are saprophytes.

4) Which is the commonly cultivate mushroom?

Agaricus bisporus is a species with which just about everybody is familiar and is commonly refer to as the Button mushroom. It is also the most cultivated mushroom. It was also the only species available until around the late 1970s.

DEPARTMENT OF BOTANY




ಬಿ.ವಿ. ಭೂಮರಡ್ಡಿ ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಬೀದರ
B.V. BHOOMARADDI COLLEGE OF ARTS, SCIENCE & COMMERCE, BIDAR
(Affiliated to Gulbarga University, Kalaburagi)

Department of BOTANY

CERTIFICATE

This is to certify that Kum./Kumari Vasurani. of
B.Sc. II Sem Bearing Register No. / Roll No. UO4AB2150076 has
Successfully completed add-on Course/Certificate course in Mushroom
Cultivation during the academic year 2021...-2022...


Head of the Dept.

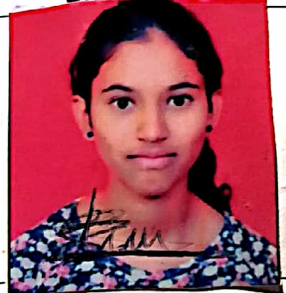



IQAC Co-ordinator


Princ



DEPARTMENT OF BOTANY
CERTIFICATE IN
MUSHROOM CULTIVATION
FOR THE ACADEMIC YEAR 2021-22
LIST OF STUDENTS ADMITTED

COURSE CODE NO: _____

Sl. No.	Name of the Students	Class/ Sem	Roll No.	Cell No	E-mail ID	Photo with Signature
1.	Shivani Raghunath.	B.Sc II Sem	18	77605276 45	Shivani reddy 3013 @gmail. com	
2.	Sultanpur Dinesh	B.Sc II Sem		87629953 -86	dineshsultanpur -2@gmail.com	
3.	Divya Bhatati	B.Sc II Sem		9731430 716	divyagupta 23@gmail.com	



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