



MUSHROOM CULTIVATION CLASSES

2022-2023



SYLLABUS

1. PREPARING OF COMPOST
2. BAGGING
3. VISIT TO SOLAN: ICAR- DIRECTORATE OF MUSHROOM RESEARCH
4. SPAWNING
5. HARVESTING

INTERESTED STUDENTS PLEASE CONTACT DR. REETINDER JOSHI (9878645105) AND MS. JASKIRAT KAUR (8283871978)

DR. REETINDER JOSHI
MS. JASKIRAT KAUR
ASST. PROFESSOR

SMT. HARJEET GUJRAL
PRINCIPAL

Received.
Harjeet Goyal
5.3.23

To

The Principal
SMHS Government College, SAS Nagar.
Punjab

Subject: Permission to conduct a 30+Hr
Course for Skill Development for
Mushroom Cultivation.

Respected Madam,

we wish to conduct
a workshop/course for Skill Development
for Mushroom Farming and Cultivation
in the month of March 2023.

Thanking you,

Thanking you
Sincerely Yours

Respectfully,
Ms. Taskeerat Kaur

Date: 5th March 2023.



Harjeet Goyal

Principal
SMHS Govt. College
Sahibzada Ajit Singh Nagar



COURSE OUTLINE OF MUSHROOM CULTIVATION COURSE

30 HRS SKILL DEVELOPMENT

Project Mushroom Cultivation by Department of Biotechnology

The department of biotechnology had undertaken a project on Mushroom Cultivation (Oyster Mushroom) planned and executed by Ms. Jaskirat Kaur Faculty of Biotech. Department, supported by Dr. Prof. Reetinder Joshi.

Inauguration on 16th March 2023 - Project was inaugurated on 16th March 2023 by delivery an introduction lecture by Mr. Vipesh Kumar from horticulture department and Mrs. Jaskirat Kaur in which basics of Mushroom and its cultivation protocols were discussed with the students of Biotech and former's club.

Purchase of Seeds:- On 15th March 2023 Dr. Reetinder Joshi along Ms. Nishita Tripathi visited Solan Seeds for oyster mushroom and to purchase the seeds for oyster mushroom and to cultivate.

Practical session- 1 :- On 17th March, 23 Ms. Jaskirat Kaur Faculty of Biotechnology Department took the practical session in Lab, in which student of B.Sc. Biotech 1,2 & 3 participated

- a) **Preparation of substrate**
 1. Soaking of wheat straw overnight in clean water
 2. Sterilization of substrate
 3. Drying & checking its moisture content.
- b) **Incubation of substrate with spawns**
 1. Preparation of Poly bags and bottle.
 2. Filling of ready substrate by laying method



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Phase - A Model - 160056 F-101 1981 NAAC Accreditation B++

bags, which was around 100 gram in weight, Later on after pin heads grown into fully develop oyster mushrooms.

The white team was very happy & enjoyed during the journey of Mushroom cultivation. So, the project of mushroom cultivation was successfully completed on 10th April, 2023

30 hrs skill development Programme by Biotechnology Department

S.no		
1	<u>Inauguration on 16th March 2023:-</u> Introduction lecture by Mr. Vipesh Garg (Guest Speaker) Ms. Jaskirat Kaur, Faculty of biotechnology to students of Bioethnology and farmer club.	3hrs.
2	<u>Visit to Solan to buy seeds:</u> Dr. Reetinder Joshi, Ms. Nishta Tripathi	6hrs.



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Department of Microbiology, SMHS Govt. College Sahibzada Ajit Singh Nagar

3. Incubation by spawns of oyster mushroom (white).

4. Packing it properly by keeping all the precautions.

c) Incubation

1. All the batches were incubated at required temperature and moisture.
2. Maintained all the conditions for propagation of mycelium for at least 15 days.

Practical session- II :- On 18th March, 2023 under the supervision of Ms. Jaskirat Kaur Faculty of biotechnology, students prepared and incubated more batches of substrate keeping all conditions in mind like temp. Moisture, hygiene, So that good harvest of mushroom can be obtained without contaminants.

d) Growth phase (during incubation period 15 days)

After incubation growth of mycelia started within 3-7 days. After that on daily basis we kept a check on growth and conditions to be maintain within 15-20 days very good growth of mycelia took place without any contamination whole bags and bottle were covered with white mycelium. We all were very excited and happy to visualize it.

e) Production Stage

After incubation period of around 15-20 days pinheads of mushroom started appearing within 3-4 days on 10th April we got a very beautiful bunch of mushroom out of 1st batch of

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Department of Biotechnology

Project: Mushroom Cultivation

Notice for Students

We are going to start 30 Hrs. Skill development Programme on Project : Mushroom Cultivation in Biotechnology Department. The course is going to start on date 16-03-2023 to 10-04-2023. The timing of classes will be 9 am to 3 pm . Those students who are interested, please give their names to Prof. Jaskirat Kaur (Mob no-8283871978). Last date of enrolment will be 14-03-2023.



Course coordinator



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SAS Nagar



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Phase - 6, Mohali - 160056, Estd. 1984, NAAC Accreditation: B++

SAMPLE APPLICATION FORM
APPLICATION FOR VALUE ADDED COURSE/SKILL DEVELOPMENT COURSE

I WISH TO APPLY FOR THE FOLLOWING COURSE _____

1. NAME _____

2. CLASS & ROLL NO. _____

3. PHONE NO. _____

4. UNDERTAKING: I WILL ATTEND ALL THESE CLASSES AFTER MY OTHER CLASSES ARE OVER OR IN MY FREE PERIOD.

5. I WILL NOT MISS ANY OF MY REGULAR CLASSES

6. I MAY BE ASKED TO DO LESSONS ON SUNDAY OR IN THE EVENING

SIGNATURE

(NAME IN CAPITALS LETTER)

Harjeet Gargal
Principal
Govt. College
Sahibzada Ajit Singh Nagar





Shaheed Major Harminderpal Singh (Shaurya Chakre)
Government College Sahibzada Ajit Singh Nagar

Phases - 4 Medical - 16005A Feb 1981 IQAC Accredited - B+

S.NO	ROLL NO	NAME
31	701	JUHI KUMARI
32	702	HIMANSHI
33	703	KULBIR SINGH
34	705	ANKITA KUMARI
35	706	SHOBHA
36	707	SATNAM SINGH
37	708	MANISHA SHARMA
38	711	PARMEET KAUR
39	713	MANISH KUMAR
40	714	AMANDEEP KAUR
41	715	KAJAL
42	716	NAVNEET KAUR
43	717	MANISHA
44	720	AVNEET KAUR
45	721	PRERNA
46	722	AARTI ARYA
47	723	MANMOHAN SINGH
48	724	AMANPREET KAUR
49	725	SONIA
50	601	SANDEEP KAUR
51	602	SAKSHI
52	603	SHAHEEN
53	604	SOFIA ANSARI
54	605	KOMALPREET KAUR
55	608	ANMOLDEEP KAUR
56	609	KASHISH SHARMA
57	610	HARMANJOT KAUR
58	611	PARVEEN KAUR
59	612	MANSI KUMARI
60	614	HUSANPREET KAUR
61	618	ISHA DARAJ
62	619	SATINDERJIT SINGH
63	620	RUPINDER KAUR
64	621	NAVNEET KAUR
65	623	KRITICA
66	652	HITESHI
67	653	PRIYA RANI
68	654	LOVEPREET KAUR
69	655	RADHIKA SOOD
70	656	SUKHMAN KAUR
71	657	JASMEEN KAUR
72	658	SONAM KUMARI
73	659	ANCHAL
74	660	ARSHPREET KAUR

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Shaheed Major Harmandirpal Singh (Shaurya Chakra)
Government College Sahibzada Ajit Singh Nagar

Phone: 01823-261154 Fax: 01823-261155 E-mail: IQAC@smhsajitnagar.org

75	7701	SUKHJEET KAUR
76	7703	SAHIL SHARMA
77	7704	JASPREET KAUR
78	7705	SIMRANJIT SINGH
79	7706	SACHIN SHARMA
80	7707	NEHA PURI
81	7708	KAJAL RAWAT
82	7710	JASPREET KAUR
83	7712	CHAHAT
84	7713	HIMANPREET KAUR
85	7715	HARPREET KAUR
86	7711	PRABHJEET KAUR
87	37402	SUKURINDER KAUR
88	37403	RAMANPREET KAUR
89	37407	PALLAVI
90	37408	NANCY VASHISHT
91	37412	MANISHA KUMARI
92	37413	MADHU BALA
93	37414	KULURINDER KAUR
94	37422	DILPREET KAUR
95	37405	PRIYANKA
96	37406	PRABHA SHRIVASTAV
97	37409	MANPREET KAUR
98	37415	KRITIKA CHANDEL
99	37416	KAMALJEET KAUR
100	37417	KARANJOT KAUR
101	37419	JASPREET KAUR
102	37421	ISHIKA

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Department of Biotechnology

Project: Mushroom Cultivation

Assessment Procedure

Assessment Procedure for value added course Skill development Programme on Project : Mushroom Cultivation is based on

- 75% Attendance will be mandatory.
- There will be Viva and written Exam.



Course coordinator



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Department of Biotechnology

Project: Mushroom Cultivation

Notice for Test

All the students enrolled in the value added Course 30 hours Skill development Programme on Project : Mushroom Cultivation are informed that the final viva and written exam is going to be held on 12-04-2023 from 9 am to 12 noon.

Certificates will be awarded to the successful candidates.


Course coordinator


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Phone : 01823-246014 Fax : 0182-3246022 Email : gcsn@rediffmail.com

30 HRS SKILL DEVELOPMENT COURSE

Final Assessment of the Students enrolled in the Course

S.NO	ROLL NO	NAME	PHONE NO
1	4104	MANPREET KAUR	7888680146
2	221	AMANDEEP KAUR	8968152398
3	2301	SOURAV SHARMA	6280056429
4	3120	TAJINDER SINGH	9646655863
5	4154	SUKHJEET KAUR	9056814165
6	4157	SIRJNA	7814315657
7	3751	EKTA	7009141833
8	4152	JASMINE	7009141833
9	4151	SANDEEP KAUR	6283438510
10	3759	KANIKA	8727989471
11	4162	SIMRAN KAUR	9306295482
12	4156	DEEPAKSHI	9781267551
13	4153	RAMANPREET KAUR	7707928372
14	3757	VEERPAL	6280772851
15	4209	BALJEET KAUR	9815136242
16	4212	KOMAL	6283163373
17	4210	JASVEER SINGH	9779568415
18	4202	ROHIT KUMAR	9781269760
19	4158	RAHUL KUMAR	9779853315
20	4204	SIMRAN	9041386051
21	4207	TARANPREET	5729014470
22	4211	LOVEPREET	8847576026
23	3753	ROHIT	6280272997
24	3727	ARSHPREET KAUR	9914291540
25	3517	ROHIT SANGER	9876881568
26	4206	GAGANDEEP SINGH	6284174804
27	2031	SAHIL SHARMA	9465373157
28	3755	SANDEEP KAUR	7719771068
29	4159	KULWINDER KAUR	8146102412
30	4161	SHEETAL	9878440545

Grade

A
A
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Government College Sahibzada Ajit Singh Nagar

Phase - A (Maths) - 18/05/24 Date: 18/05/24 Page No: 01

S.NO	ROLL NO	NAME
31	701	JUHI KUMARI
32	702	HIMANSHI
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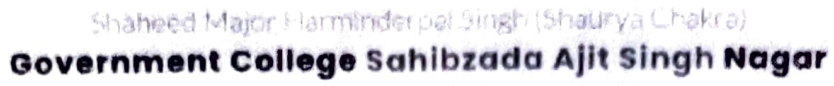
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Grade

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 B B +
 A A A A A A A
 A B +
 B +
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 A A B +
 B +
 B A A B +

Harjeet Singh

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Satitkanda Aje Singh Nagar

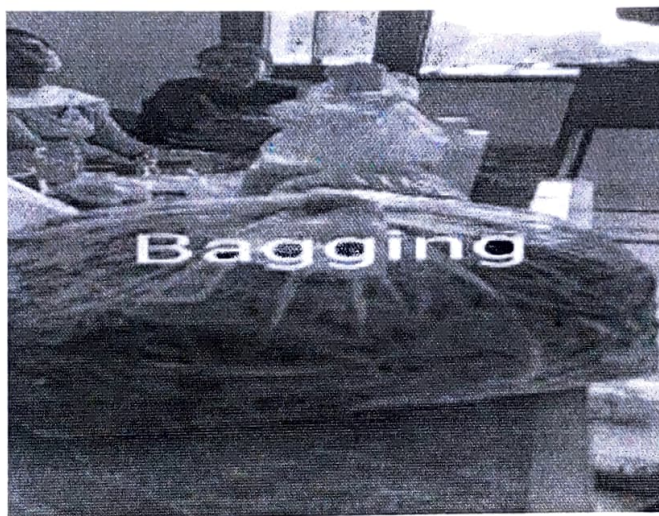
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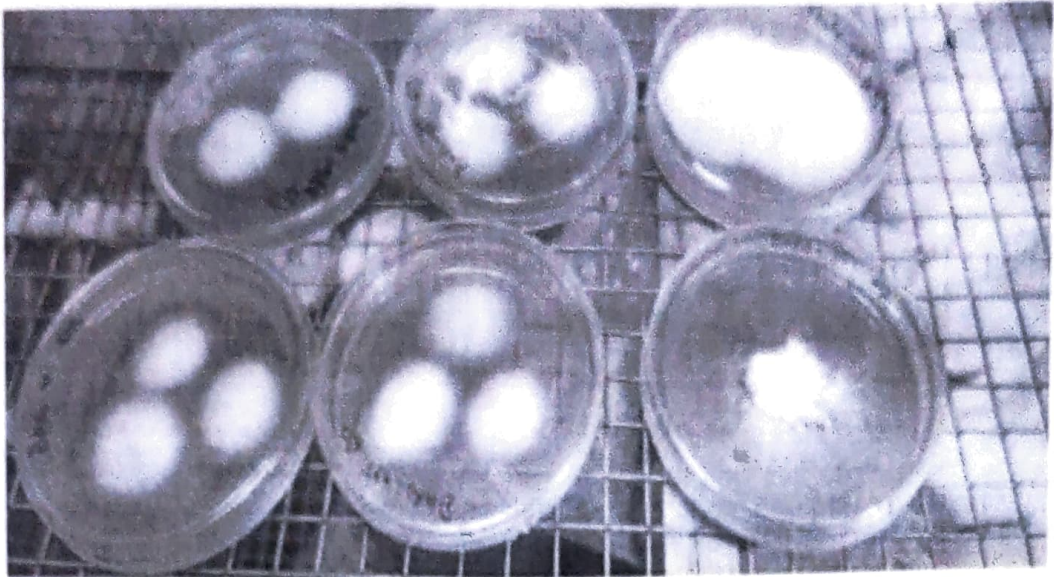


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VISIT TO SOLAN HIMACHAL PRADESH ICAR- DIRECTORATE OF MUSHROOM RESEARCH TO BY SEED
AND STUDY MUSHROOMS



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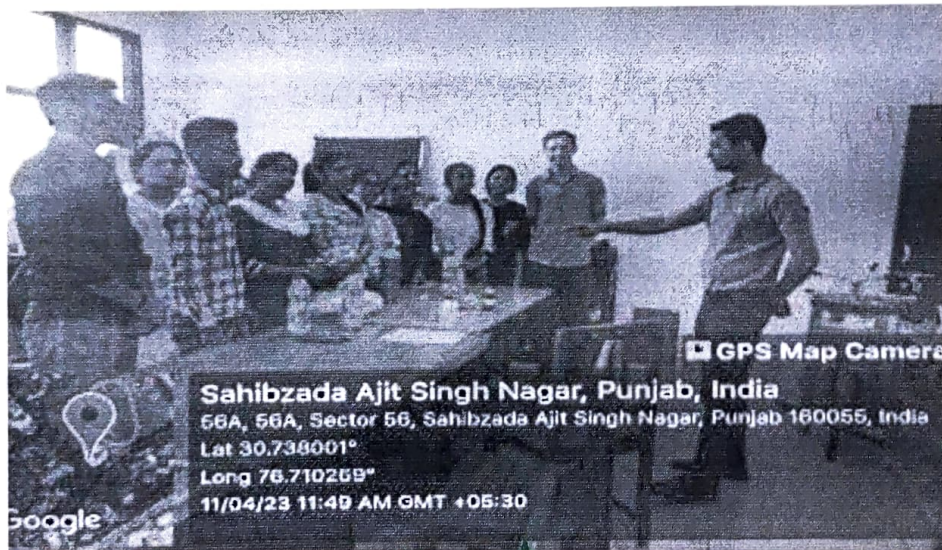
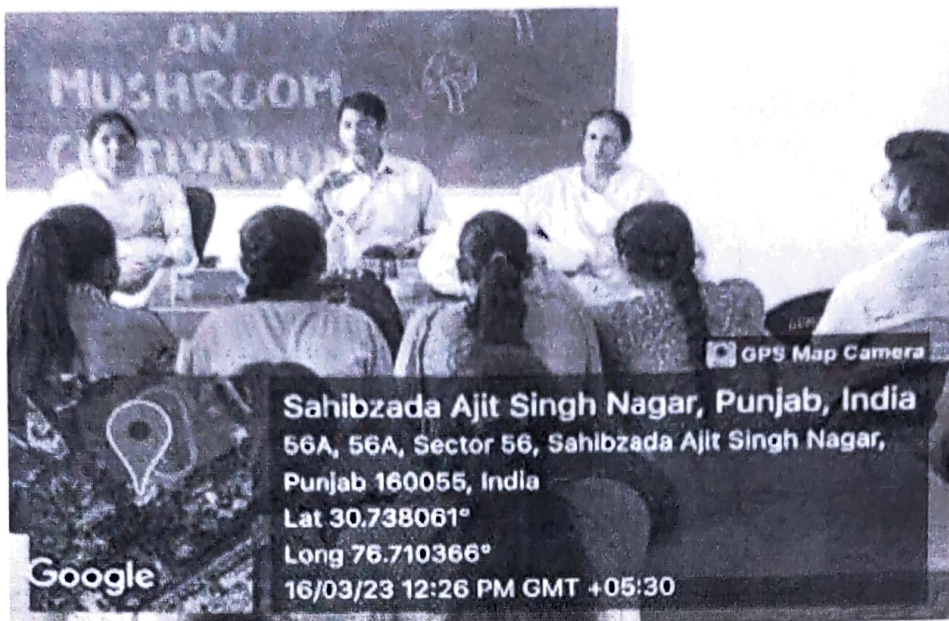
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Punjab 160055, India



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Sahibzada Ajit Singh Nagar

Shahed Ghani Farminidpal Singh (Bhat. College, Sahibzada Ajit Singh Nagar (Jharkhand))



CERTIFICATE

Certified that Mr./Ms Manpreet Kaur Father's Name _____

Class Diploma in Food Production Roll No 4104

Name of Course Completed Mushroom Cultivation 30 hrs program

Duration of Course 30 hrs Grade/Marks Awarded A



Manpreet Kaur
Course Co-Ordinator

Manpreet Kaur
Principal

Shahred Major Hariminderpal Singh Bhat. College, Sahibzada Ajit Singh Nagar (Jalandhar)



CERTIFICATE

Certified that Mr./Ms Amandeep Kaur Father's Name _____

Class BA/Bsc I Roll No 221

Name of Course Completed Madhroom Cultivation 30 hrs program

Duration of Course 30+ Hrs Grade/Marks Awarded A.



Shahred
Course Co-Ordinator

Hariminderpal
Principal