



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

Add-on Program
Mushroom Cultivation

Department of Botany
(2022-23)



SYLLABUS

Course Content	<p>Unit I: Introduction: History. Nutritional and medicinal value of edible mushrooms; Classification and distribution of mushroom; life cycle of mushroom. Identification of poisonous mushrooms. Types of edible mushrooms available in India - <i>Volvariella volvacea</i>, <i>Pleurotus citrinopileatus</i>, <i>Agaricus bisporus</i>.</p> <p>Unit II: Spawn preparation: Isolation of pure culture; Nutrient media for pure culture; layout of spawn preparation room; raw material of spawn; sterilization; preparation of mother spawn and multiplication.</p> <p>Unit III: Cultivation Technology:</p> <p>A. Infrastructure: substrates (locally available) Polythene bag, vessels, Inoculation hook, inoculation loop, low cost stove, sieves, culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.</p> <p>B. Pure culture: Medium, sterilization, preparation of spawn, multiplication.</p> <p>C. Mushroom bed preparation: paddy straw, sugarcane trash, maize straw, banana leaves. Factors affecting the mushroom bed preparation, low cost technology, composting technology in mushroom production.</p> <p>D. Cultivation of following types of mushroom – milky mushroom; oyster mushroom, button mushroom.</p> <p>E. Harvesting method F. Preservation of mushrooms: Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickels, papads), drying, storage in salt solutions.</p> <p>Unit IV: Nutrient values of mushroom: protein, carbohydrate, fat, fiber, vitamins and amino acids contents; preparation of various dishes from mushroom. Medicinal value of mushroom – cultivation, extraction, isolation and identification of active principle from mushroom. Pharmacological and economic values of mushroom. Unit VI: Food Preparation: Types of foods prepared from mushroom. Research Centers: National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.</p> <p>Practical: All the items included in the theory.</p>
-------------------	--



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

Brochure

**ADD-ON COURSE
ON
MUSHROOM CULTIVATION**

**Session
2022 - 23**



**CONDUCTED BY
DEPARTMENT OF BOTANY
GARGAON COLLEGE**

No. of Seats : 25 Course Duration: 40 hrs.

Eligibility: Class X Pass

Mode of Selection: First Come First Serve Basis

Dr. Dimbeshwar Das

Course Coordinator

Email: botanygc1959@gmail.com, Ph. No. 9864387746

Visit: www.gargaoncollege.ac.in for more details



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

List of Students



DEPARTMENT OF BOTANY
গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

NAAC Accredited with 'B' Grade

P.O. SIMALUGURI, PIN : 785 686, DIST. SIVASAGAR (ASSAM)

Add On Course: Mushroom Cultivation

Year: 2022 – 23

Enrollment List

ROLL NO.	NAME OF THE STUDENTS
1	SHRISHTI CHETIA
2	NITUMONI BHARALI
3	SHABNAM BEGUM
4	TRINAYAN JYOTI BORAH
5	DEEPSHIKHA KALITA
6	GARGEE PHUKON
7	GAURANGI BHATTACHARJEE
8	DIKUMONI BORAH
9	AFSANA HUSSAIN
10	GEETASHREE BORBORUAH
11	HIRUMONI NATH
12	URBASI CHETIA
13	NILOTPAL CHETIA
14	ADRIKA CHANGMAI
15	CHITRALI DOWARAH
16	CHINMOY RANJAN BORAH
17	NISHITA GOGOI
18	DOLY KURMI
19	PARISHMITA LACHAN
20	PUBALIKA TIPOMIA
21	LUKUMONI GOGOI
22	SAHIL HUSSAIN
23	NISHITA GOGOI
24	DIMPY GOGOI
25	MINAKSHI MECH

Head
Department of Botany
Gargaon College, Simaluguri
Dist. Sivasagar, Pin 785686, Assam