



RUSA 2.0
DEPARTMENT OF ZOOLOGY
MOHANLALSUKHADIA UNIVERSITY
MAHARANA BHUPAL CAMPUS, UDAIPUR – 313 001(INDIA)

NAAC Accredited 'A' Grade University

CERTIFICATE COURSE IN MUSHROOM CULTURE FOR EMPLOYMENT

GENERATION

QUALIFICATION: Minimum 10th in any discipline
(No of Seats-15)

5 seats are reserved for Adopted village (Karakala)

Preference will be given to women and tribal candidates

Start Date: 08-09-2021 to Online Submission Last Date: 20-09-2021

Admission process will be followed as per MLSU norms (RUSA 2.0)

Course fee including Admission fee – 1000/- only

SYLLABUS OF MUSHROOM CULTURE

A. Mushrooms, Nutritional and Spawn

1. Introduction of mushroom science.
2. Mushroom biology including edible and poisonous mushrooms.
3. Brief history of mushroom cultivation.
4. Importance of mushrooms, Nutritional and medicinal aspects.
5. Preparation of spawn.
6. Pure culture
7. Mother spawn.
8. Spawn
9. Maintenance of Mushroom lab and equipment.
10. Design, equipment and register.
11. Economics.

PRACTICALS

1. Identification of edible and poisonous wild Mushrooms
2. Preparation of slants.
3. Collection of tissue.
4. Preparation of pure cultures
5. Incubation of pure cultures.
6. Disease identification in pure cultures.
7. Preparation of mother spawn.
8. Incubation of mother spawn.
9. Disease identification of mother spawn.

10. Storing the cultures and mother spawn
11. Preparation of spawn.
12. Boiling the grains
13. Sterilizing the bottles
14. Inoculating the bottles
15. Incubating the bottles
16. Disease identification in spawn.
17. Preserving the spawn
18. Marketing
19. Lab maintenance
20. Equipment handling.
21. Visit to Mushroom lab.

CULTIVATION

Other Mushroom Cultivation

1. Importance of Oyster Mushroom Cultivation
2. Selection of Various substrates.
3. Sterilizing the Substrate.
4. Bag filling.
5. Spawning.
6. Incubating the beds.
7. Shifting to Cropping room.
8. Pests & Diseases.
9. Harvesting.
10. Processing.
11. Marketing.
12. Recipes.
13. Economics.
14. Cultivation of Paddy Straw and other Mushrooms.
15. Low cost Mushroom farm design & Production.