

Extra Credit Course
MUSHROOM CULTIVATION

COURSE OUTCOMES

- ❖ To learn and develop skills in mushroom cultivation
- ❖ To understand and appreciate the role of mushrooms in Nutrition, Medicine and health.
- ❖ To cultivate mushroom cultivation in small scale industry.

UNIT I (Theory)

Introduction: Morphology, Types of Mushroom, identification of edible and poisonous mushroom, Nutritive values, life cycle of *Pleurotus spp.*

UNIT II (Theory)

Mushroom cultivation, prospects and scope of Mushroom cultivation in small scale Industry. Diseases and post harvest technology.

UNIT III (Practical)

- (I). Substrate Preparation
- (II). Mother Spawn Preparation

UNIT IV (Practical)

- (I). Multiplication of Spawn production,
- (II). Cultivation methods
- (III). Spawn Running or incubation

UNIT V (Practical)

- (I). Crop Management and water Management
- (II). Factors affecting mushroom cultivation.
- (III). Harvesting of mushrooms and marketing

REFERENCES:

1. Handbook of Mushroom Cultivation. 1999. TNAU publication.
2. Marimuthu, T., Krishnamoorthy, A.S., Sivaprakasam, K. and Jayarajan. R. 1991. Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
3. Swaminathan, M. 1990. Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
4. Nita Bahl. 2002. Handbook on Mushroom 4th edition Vijayprimlani for oxford & IBH publishing co., Pvt., Ltd., New Delhi. Dr.C. Sebastian Rajesekaran Reader in Botany Bishop Heber College, Trichy – 17.
5. Suman. 2005. Mushroom Cultivation Processing and Uses, M/s. IBD Publishers and Distributors, New Delhi

1. <https://www.amazon.in/Mushroom-Cultivation-India-B-C/dp/817035479X>
2. <http://nrcmushroom.org/book-cultivation-merged.pdf>
3. http://agricoop.nic.in/sites/default/files/ICAR_8.pdf
4. <http://www.agrimoon.com/mushroom-culture-horticulture-icar-pdf-book/>
https://books.google.co.in/books/about/Mushroom_Cultivation_in_India.html?id=6AJx99OGTKEC&redir_esc=y

COURSE OUTCOMES:

- Understand the mushroom cultivation practices.
- Formulate a new strategy on small scale industry.
- Support the economy by mushroom cultivation.
- Gain knowledge on nutritional and economical values of mushroom.
- Develop a small scale cultivation of mushroom.