

Department of Microbiology

Report of the Event

Mushroom Cultivation Workshop 2015

07.10.2015

The mushroom cultivation workshop was conducted on 07.10.2015 by department of Microbiology, to improve the skill of the students and train them to become a Bio entrepreneur. Participants: 30 students participated in the workshop and benefitted.

Organizer: Dr. M. Kulandhaivel

Participants: 30 students

The Importance of Mushroom Cultivation

- Nutritional value
- Protein content, 3-7% when fresh and 25- 40% when dry. Contain all essential amino acids, amides and lysine.
- Medicinal value
- Consumption of mushrooms slows down the spread and effect of cancer, heart disease, HIV/AIDS (by boosting immune system).
- Income generation and
- Employment creation.

Advantages of Mushroom Growing

- Use of idle structures,
- Involvement of small initial capital,
- Possible production all the year round
- Use of Agricultural waste as substrate- mostly waste materials from farms, plantations or factories.
- Is a Biodegrader hence environmental con-server.

Consumption benefits of mushrooms.

- Contain all essential amino acids
- Has Vit.C, cynocobalimin (Vit,B12) content found only in animal products
- Low in sodium ideal for people with heart and kidney ointments.
- Have iron, calcium, potassium, phosphorus and folic acid.

Challenges in Mushroom Growing

- Lack of skills on mushroom production
- Spawn is expensive and quality not guaranteed
- Lack of awareness of benefits of mushroom

- Traditional beliefs of some communities



Mushroom bag preparation by students



Listening the Lecture