

Mushroom Cultivation Workshop Organised by Eco Club in collaboration with Placement Cell, Unnat Bharat Abhiyan, and NSS Unit of Deshabandhu Mahavidyalaya, Chittaranjan

Resource Person: Dr. Animesh Mondal, Assistant Professor, Department of Botany, B.B. College

Date:27/03/2026

A workshop on mushroom cultivation was organized with Dr. Animesh Mondal as the resource person. The session focused on the scientific, economic, and practical aspects of mushroom farming, highlighting its potential as a profitable and sustainable business. Dr. Mondal emphasized that mushroom cultivation can be a viable entrepreneurial activity, especially for students and rural communities. However, he also pointed out certain challenges, particularly related to market availability and demand. He suggested that institutions like colleges can play a role in branding and marketing mushroom products, possibly obtaining certification such as ISI marking in the future. The workshop mainly focused on different varieties of mushrooms, including oyster mushroom, button mushroom, and milky mushroom. Among these, oyster mushroom was highlighted as the most suitable for beginners. The ideal time for cultivation is after the monsoon or during controlled environmental conditions, particularly from November to March. The resource person explained the substrates used for mushroom cultivation, such as straw, decomposed maize plants, and rice husk. He noted that rice husk contains linoleic acid, which can be experimentally beneficial. The use of pulses dust was also discussed; while soaking removes starch and nitrogen, adding pulses dust enhances nitrogen content, leading to better growth. Mycelium spawn plays a crucial role in cultivation, and grains like jowar and bajra help in increasing mycelial growth. Spawn can either be purchased or supplied by B.B. College if there is sufficient demand.

Regarding infrastructure, Dr. Mondal suggested that a simple mud house or a space like under a staircase can be used, provided the temperature is maintained between 20°C and 30°C. Carbon dioxide levels should be around 6%. Initially, minimal light is required during spawn growth (around 200 lux), but more light is needed at later stages. Mushrooms derive nutrients from decomposed organic material, with phosphorus being a key nutrient.

The workshop also highlighted the health benefits of mushrooms. Regular consumption may help reduce the risk of Alzheimer's disease due to the presence of phosphorus. Special emphasis was given to *Ganoderma* mushroom, referred to as the "king of herbs," known for

its anti-cancer and anti-tumor properties. It can also be processed and marketed in powdered form. Important safety measures were discussed, including maintaining hygiene in the cultivation room. The room should be lime-washed and disinfected with a 2% formaldehyde solution, while a 0.02% formaldehyde solution can be used in water preparation (e.g., 300 litres). Footwear should be kept outside to avoid contamination. A traditional method to detect poisonous mushrooms was also mentioned: if a silver spoon changes colour after cooking with mushrooms, it may indicate toxicity. Overall, the workshop was highly informative and practical, equipping participants with essential knowledge and encouraging them to explore mushroom cultivation as a sustainable and income-generating activity.

The poster is for a "Skill Training Workshop cum Hands-on Training on Mushroom Cultivation" organized by Deshabandhu Mahavidyalaya, Chittaranjan, West Bengal. It is in association with the Career Counselling Cell, Unnat Bharat Abhiyan (UBA), Eco Club, and NSS Unit. The event is scheduled for 27-03-2026 at 12:30 PM in the Seminar Hall of Iswar Chandra Vidyasagar. The resource person is Dr. Animesh Mondal. A DBM logo is also present.

Deshabandhu Mahavidyalaya, Chittaranjan, West Bengal organizes

Skill Training Workshop cum Hands-on Training on

Mushroom Cultivation

In association with
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Unnat Bharat Abhiyan (UBA)
Eco Club
NSS Unit

Date: 27-03-2026
Time: 12:30 PM
Venue: Iswar Chandra Vidyasagar Seminar Hall

Resource Person: Dr. Animesh Mondal

All students and staff members are cordially requested to participate.

