

REPORT FOR IQAC, BKGC

Department of Botany

Report on: A Workshop on Fungal Tissue Culture and Spawn Production

1. Workshop/Seminar/Conference/Invited or Extension Lecture: **Workshop**
2. Online/Offline: **Offline**
3. Institutional/International/National/Regional: **Regional**
4. Title: **A Workshop on Fungal Tissue Culture and Spawn Production**
5. Date: **20/01/2024**
6. Organizer(s): **Institution's Innovation Council of R & D Cell, IQAC, BKGC and Department of Botany**
7. Funding (with proof): **NA**
8. Collaborators (with proof): **NA**
9. Resource Persons (with invitation and acceptance letters): **Mr. Anujit Das**

E-mail: rdcell@bkgc.in Phone: 033-26412341

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH
A NCTE and NAAC accredited (B⁺⁺) College
5/3, MAHATMA GANDHI ROAD, HOWRAH - 711 101
RESEARCH & DEVELOPMENT CELL, IQAC


Ref.: BKGC/RDC/2023-24/10 (A) Date: 17-01-2024

To
Anujit Das
Earth Star Mushroom,
Andul, Mouri,
Howrah

Dear Sir,

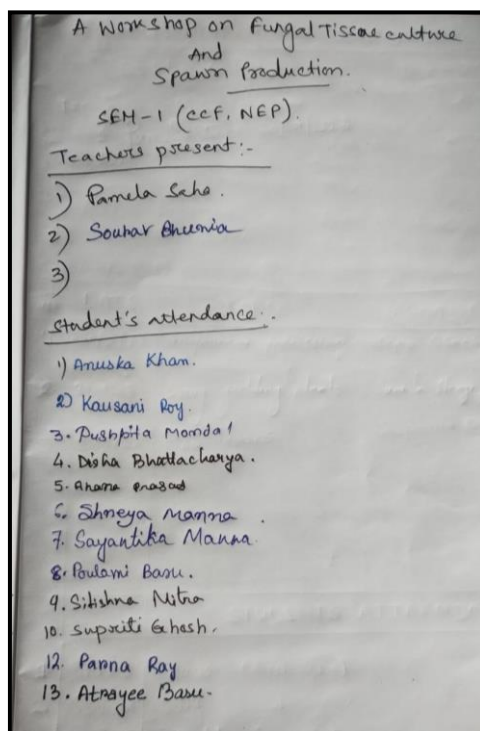
It would be our pleasure to request you for a demonstration on Fungal Tissue Culture and Spawn Production in our upcoming activity "A Workshop on Fungal Tissues Culture and Spawn Production" for entrepreneurship skill development for students and faculties, going to be organised by Institutional Innovation Council, BKGC, R & D Cell, IQAC and Department of Botany, on 20.01.2024 at 11 am onwards.

Your kind acceptance will be highly appreciated.
Thanking You


(Chairperson, R&D Cell & Principal, BKGC, Howrah)

Principal / Secretary
Bijoy Krishna Girls' College
5/3, M. G. Road, Howrah-1

10. Numer of Participants (with proof): 13



11. Report on the programme:

The Research and Development Cell, IIC, and IQAC organized a Workshop on " A Workshop on Fungal Tissue Culture and Spawn Production" on January 20, 2024. The speaker for the Workshop was Mr. Anujit Das, The Owner of Earth Star Mushroom, Andul. Our distinguished Principle, Madam Dr. Ruma Bhattacharyya, opened the occasion with a welcome statement. All of the participants found her lecture to be incredibly inspiring and motivating. Dr. Debjani Mitra, the convener of BKGC, IIC, oversaw the meeting.

The workshop on Fungal Tissue Culture and Spawn Production was conducted with the aim of providing participants with comprehensive knowledge and practical skills in the cultivation of fungi through tissue culture techniques and the production of spawn. Fungi play a crucial role in various industries, including agriculture, medicine, and food production. Thus, understanding their cultivation and propagation methods is essential for the students for their study purpose as well as their future needs.

The workshop started with an introductory session highlighting the significance of fungal tissue culture and spawn production in modern agricultural practices and industrial applications.

Students were introduced to the principles and techniques of fungal tissue culture, including sterilization methods, media preparation, inoculation techniques, and culture maintenance. Emphasis was placed on maintaining sterile conditions to prevent contamination and ensure successful culture establishment. The workshop covered various methods for spawn production, such as grain spawn. Students learned about substrate selection, inoculation methods, incubation conditions, and spawn quality assessment. Hands-on training allowed students to gain proficiency in spawn production techniques applicable to different fungal species.

The workshop included practical demonstrations where students had the opportunity to perform tissue culture techniques, prepare culture media, inoculate substrates, and assess spawn quality under the guidance of experienced instructor (Anujit Das). These hands-on activities enhanced students' understanding of the theoretical concepts and equipped them with practical skills essential for implementing fungal tissue culture and spawn production techniques in their respective fields.

12. Programme Outcome:

1. The workshop was well-received by students, who found the hands-on experience particularly valuable.
2. They gained knowledge about the pure fungal cultures, the propagation of desired strains, the production of high-quality inoculum, and the establishment of a successful mushroom cultivation.
3. Feedback indicated that they gained a deeper understanding of fungal tissue culture techniques, spawn production and their applications.
4. These processes are fundamental to both research and commercial applications in the field of fungal biotechnology.

13. Poster/Brochure/Banner:



BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

**A Workshop on Fungal Tissue Culture
and Spawn Production**

Entrepreneurship skill development for students and faculties

Organized by
Institutional Innovation Council, BKGC, R & D Cell, IQAC and Department of Botany

Chief Patron: Dr. Ruma Bhattacharyya, Principal, BKGC

Resource Person
Mr. Anujit Das
Owner of Earth Star Mushroom

Date: 20th January 2024
Venue: Department of Microbiology
Time: 11 am onwards

14. Sample Certificate: CERTIFICATES NOT PROVIDED

15. Pictures (Geotagged):

