



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS)

📍 VANIYAMBADI, TIRUPATTUR DT - 635 751

- ✓ Recognized u/s 2(f) & 12(B) of UGC Act 1956
- ✓ Permanently Affiliated to Thiruvalluvar University
- ✓ Supported by DST - FIST | DBT STAR College Scheme



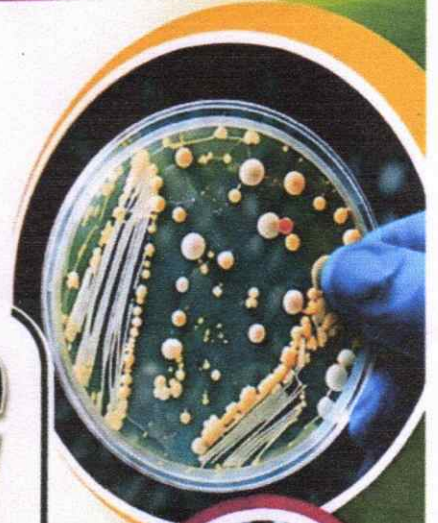
PG & Research Department of Foods & Nutrition

• Organizes •

Hands on TRAINING

Topic -

Microbial Culturing and Isolation



Supported by

DBT STAR COLLEGE SCHEME



Date :
25.08.2026



Time :
10.00 am



Venue :
Biotechnology Lab



CHIEF GUEST

Mr. Manikandan Venkatachalam

Managing Director
Natureza Pharma Product pvt Ltd
Matlampatti
Dharmapuri

PRINCIPAL

Marudhar Kesari Jain College
for Women (Autonomous)
Vaniyambadi - 635 751,
Tirupattur District

Sri. V. Dilip Kumar Jain
President

Sri. Anand Singhvi
Secretary

Dr. M. Inbavalli
Principal



**MARUDHAR KESARI JAIN
COLLEGE FOR WOMEN (AUTONOMOUS),
VANIYAMBADI**

(A Project of Sri Marudhar Kesari Jain Trust)

Marudhar Nagar, Chinnakallupalli, Vaniyambadi.

Recognised u/s 2(f) & 12(B) by UGC Act, 1956 || Permanently Affiliated to Thiruvalluvar University

Accredited by NAAC with "A+" Grade (4th Cycle) || An ISO 21001:2018 (EOMS) Certified Institution

PG AND RESEARCH DEPARTMENT OF FOODS AND NUTRITION

Organizes

HANDS ON TRAINING

TOPIC: MICROBIAL CULTURING AND ISOLATION

SUPPORTED BY DBT STAR COLLEGE SCHEME

Date: 25-08-2026

PRAYER

**MASTER OF CEREMONY
/WELCOME ADDRESS**

: Ms.N.S.SHAKTHI SRUTHI

III-B.Sc. Nutrition FSM and Dietetics

FELICITATION

: Dr.M.INBAVALLI

Principal, MKJC

CHIEFGUEST INTRODUCTION

: Ms. C.S.SADIYA

II M.Sc Foods and Nutrition

SPEAKER

: Mr.MANIKANDAN VENKATACHALAM

Managing Director,

Natureza Pharma Product Pvt Ltd,

Dharmapuri, TN.

VOTE OF THANKS

: Ms.P.UZMA BATHOOL

III-B.Sc. Nutrition FSM and Dietetics

MASTERING OF CEREMONY

: Ms. S. LIBINA CRISTY

II M.Sc Foods and Nutrition

NATIONAL ANTHEM

*****ALL ARE CORDIALLY INVITED*****

PRINCIPAL

**Marudhar Kesari Jain College
for Women (Autonomous)
Vaniyambadi - 635 751.**

Tirupattur District

ACTIVITY REPORT

Hands-on Training Programme on Microbial Culturing and Isolation

Input

The PG & Research Department of Foods and Nutrition organized a Hands-on Training Programme on Microbial Culturing and Isolation as part of its MoU activities, supported by the DBT STAR College Scheme. The programme focused on providing practical knowledge of basic microbiological techniques, including laboratory safety, aseptic methods, culture media preparation, inoculation, incubation, and microbial colony isolation. Through demonstrations and supervised practical sessions, participants gained hands-on experience in handling microbial cultures and their basic characterization. The training enhanced their laboratory skills and provided a strong foundation for further studies and research in microbiology, biotechnology, food science, environmental science, and related fields.

Objectives of the Programme

The major objectives of the programme were to:

- To provide hands-on training in basic microbiological techniques.
- To introduce participants to laboratory safety and aseptic practices.
- To develop skills in the preparation of culture media.
- To provide practical knowledge of microbial inoculation and incubation.
- To train participants in the isolation of microbial colonies.
- To introduce basic methods for observing and characterizing microorganisms.
- To develop practical skills in handling microbial cultures.

Process

Session I – Expert Lecture on Microbial Culturing

Session I was handled by Mr. Manikandan Venkatachalam, Managing Director, Natureza Pharma Products Pvt. Ltd., Dharmapuri. The session covered the basic principles of microbiology and microbial culturing. The participants were introduced to laboratory safety, aseptic techniques, culture media preparation, sterilization methods, and proper handling of microbial samples. Practical demonstrations were provided on inoculation techniques, use of laboratory equipment, and maintenance of sterile conditions. The session helped participants understand the importance of contamination control and safe handling of microbial cultures.

Session II- Hands-on Training on Microbial Culturing and Isolation

Session II was led by Mr. Manikandan Venkatachalam, Managing Director, Natureza Pharma Products Pvt. Ltd., Dharmapuri. The session provided participants with practical exposure to microbial isolation and characterization techniques. Key laboratory procedures, including inoculation, incubation, colony separation, and morphological examination, were explained and demonstrated. Participants carried out supervised laboratory exercises to understand how microorganisms are cultured, isolated, and identified.

based on their observable characteristics. The practical-oriented session enabled participants to apply the concepts discussed during the training and develop greater proficiency in handling microbial cultures and interpreting laboratory observations. Overall, the session strengthened their practical knowledge and confidence in carrying out basic microbiological laboratory procedures.

Output

1. The one-day programme provided participants with practical exposure to basic microbiological techniques.
2. An expert talk was delivered by Mr. Manikandan Venkatachalam, Managing Director, Natureza Pharma Products Pvt. Ltd., Dharmapuri.
3. Participants gained knowledge of laboratory safety and aseptic practices.
4. Hands-on training was provided on culture media preparation, inoculation, and incubation techniques.
5. Participants gained practical experience in microbial colony isolation and observation.
6. The programme enhanced participants' understanding and practical skills in handling microbial cultures.

The programme mainly supports SDG 4 – Quality Education by providing hands-on training and practical skill development in microbiological techniques. It also contributes to SDG 3 – Good Health and Well-being and SDG 9 – Industry, Innovation and Infrastructure by promoting laboratory skills, scientific knowledge, and biotechnology-related learning.

Outcome

1. Students gained practical knowledge of basic microbiological techniques.
2. Students developed awareness of laboratory safety and aseptic practices.
3. Students acquired skills in the preparation and handling of culture media.
4. Students gained hands-on experience in microbial inoculation and incubation.
5. Students learned techniques for microbial colony isolation and observation.
6. Students improved their confidence and laboratory skills for further academic and research activities.

The programme successfully enabled students to bridge their theoretical knowledge with practical experience in microbiology. The combination of expert interaction and hands-on training enhanced students' understanding of microbial culturing, isolation, and laboratory practices. The practical sessions also encouraged students to develop their laboratory skills and fostered an interest in interdisciplinary learning and research in microbiology, biotechnology, food science, and related fields.

R. N. K.
31/10/2026

HOD

DEAN

21/10/2026

IQAC-DIRECTOR

PRINCIPAL

Marudhar Kesari Jain College
for Women (Autonomous)
Vaniyambadi - 635 751.
Tirupattur District



MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi



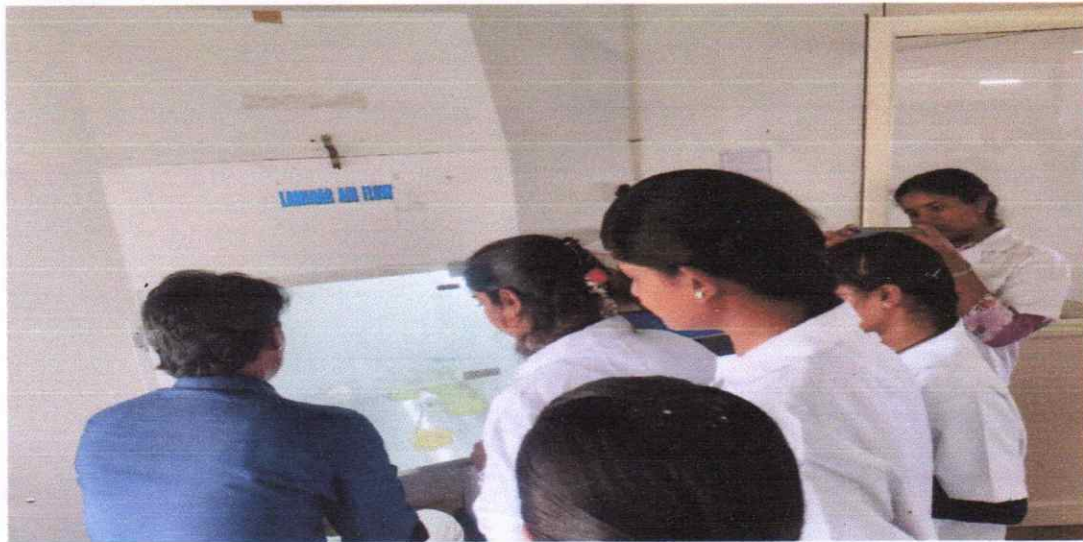
Topic: Hands on Training –Microbial Culturing and Isolation

Date:25.08.2026

Organized by: PG and Research Department Of Foods and Nutrition

Venue: Biotechnology Lab





R. Molana
Head 25/08/2026

M. [Signature] 31/8/2026
Principal
PRINCIPAL
Marudhar Kesari Jain College
for Women (Autonomous)
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