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

NAAC | INSTITUTIONS INNOVATION COUNCIL

PG & Research Department of Biochemistry

Organizes

Training Programme

for

Lab Supporting Staffs

on the Topic

Handling Chemicals and Storage in the Laboratory





Supported by

DBT STAR COLLEGE SCHEME

Date : 17.10.2026 | **Time :** 10.00 am | **Venue :** NB Block Room No. 9



Resource Person

Dr. R. Malarkodi

Head & Asst. Professor

PG & Research Department of Biochemistry

MKJC (A), Vaniyambadi

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

Sri. V. Dilip Kumar Jain	Sri. Anand Singhvi	Dr. M. Inbavali	Dr. M. Gomathi	Dr. R. Malarkodi
President	Secretary	Principal	DBT STAR College Coordinator	Head

MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi

33 Years of Educational Excellence...

Activity Report

Training Programme for Lab Supporting Staff on "Handling Chemicals and Storage in the Laboratory

The PG & Research Department of Biochemistry, Marudhar Kesari Jain College for Women (Autonomous), Vaniyambadi, organized a Training Programme for Lab Supporting Staff on "Handling Chemicals and Storage in the Laboratory" under the DBT STAR College Scheme on 17 October 2026 at 10.00 a.m. The programme was conducted at NB Block, Room No. 9, with the aim of strengthening safe chemical handling and storage practices in the laboratory.

The programme was led by Dr. R. Malarkodi, Head and Assistant Professor, PG & Research Department of Biochemistry, MKJC (Autonomous), Vaniyambadi. The training focused on laboratory chemical safety, safe handling procedures, appropriate storage practices, hazard awareness and the importance of following laboratory safety protocols.

Input (Objectives)

- To create awareness among laboratory supporting staff about the hazards associated with laboratory chemicals.
- To explain safe practices for handling, transferring and using chemicals in the laboratory.
- To familiarize participants with the importance of chemical labels, hazard symbols and safety information.
- To explain the principles of segregating and storing chemicals according to their compatibility and hazards.
- To reinforce the use of appropriate personal protective equipment (PPE) and safe laboratory work practices.
- To promote preparedness for chemical spills, accidental exposure and other laboratory emergencies.
- To encourage responsible chemical management, housekeeping and waste handling in the laboratory.

Process

The training programme on "Handling Chemicals and Storage in the Laboratory" was conducted by **Dr. R. Malarkodi,** Head and Assistant Professor, PG & Research Department of Biochemistry, Marudhar Kesari Jain College for Women (Autonomous), Vaniyambadi, under the DBT STAR College Scheme. During the session, she emphasized the importance of following laboratory safety rules and regulations to ensure a safe working environment. She explained the essential do's and don'ts to be followed while handling chemicals, laboratory instruments and glassware. Special attention was given to the safe handling of strong acids and strong alkalis, including careful handling, appropriate protective measures and the importance of preventing accidental spills and exposure. She also highlighted suitable chemical storage practices, the need to segregate chemicals according to their properties and hazards, and the importance of maintaining properly labelled and organized storage areas. The resource person explained the safety measures to be adopted while operating laboratory instruments and handling glassware to prevent breakage, injuries and damage to equipment. Basic first-aid techniques and immediate precautions to be taken in the event of chemical spills, accidental exposure, burns or other laboratory incidents were also discussed. The session created awareness among the laboratory supporting staff about their responsibilities in maintaining laboratory safety, preventing accidents and following established safety procedures.

On this occasion, **Dr. V. Magendira Mani**, IQAC Director, addressed the laboratory supporting staff and emphasized the importance of systematic laboratory documentation and accountability. He informed the participants that a chemical audit would be conducted every year to monitor chemical inventory, utilization, storage and safety practices. He instructed the laboratory staff to maintain an instrument logbook for recording the use and maintenance of laboratory instruments. He also emphasized that a chemical utilization report must be submitted every semester to ensure proper monitoring of chemical consumption and availability. Furthermore, he instructed the staff to maintain an observation notebook in each laboratory to systematically record relevant observations, laboratory activities and issues requiring attention. He stressed that these records are essential for effective laboratory management, institutional quality assurance, resource utilization and compliance with laboratory safety procedures. The programme reinforced the importance of safe chemical handling, proper storage, responsible equipment use and systematic documentation in maintaining a safe and well-organized laboratory environment.

OUTPUT

- Participants were made aware of common chemical hazards and the importance of safe handling.
- Participants received guidance on reading labels and recognizing chemical hazard symbols.
- The programme reinforced the use of appropriate PPE and careful handling procedures.
- Participants gained awareness of chemical segregation, labelling and safe storage practices.
- The training highlighted prompt reporting and appropriate response to spills or accidental exposure.

- The programme promoted responsible chemical management and improved laboratory housekeeping.
- The activity supports SDG 4 (Quality Education), SDG 3 (Good Health and Well-being), SDG 8 (Decent Work and Economic Growth) and SDG 12 (Responsible Consumption and Production).

Total number of internal participants : 13

OUTCOME

The programme is expected to strengthen the safety awareness and practical competence of laboratory supporting staff and contribute to a safer laboratory environment.

- Improved awareness of chemical hazards and safe handling practices.
- Greater attention to labels, hazard symbols and chemical storage requirements.
- Reinforcement of appropriate PPE use and laboratory housekeeping.
- Better awareness of the need to segregate incompatible chemicals and maintain organized storage.
- Improved preparedness to report spills, accidents and accidental exposure promptly.

HOD

DBT
Star -Coordinator

IQAC Director

Principal

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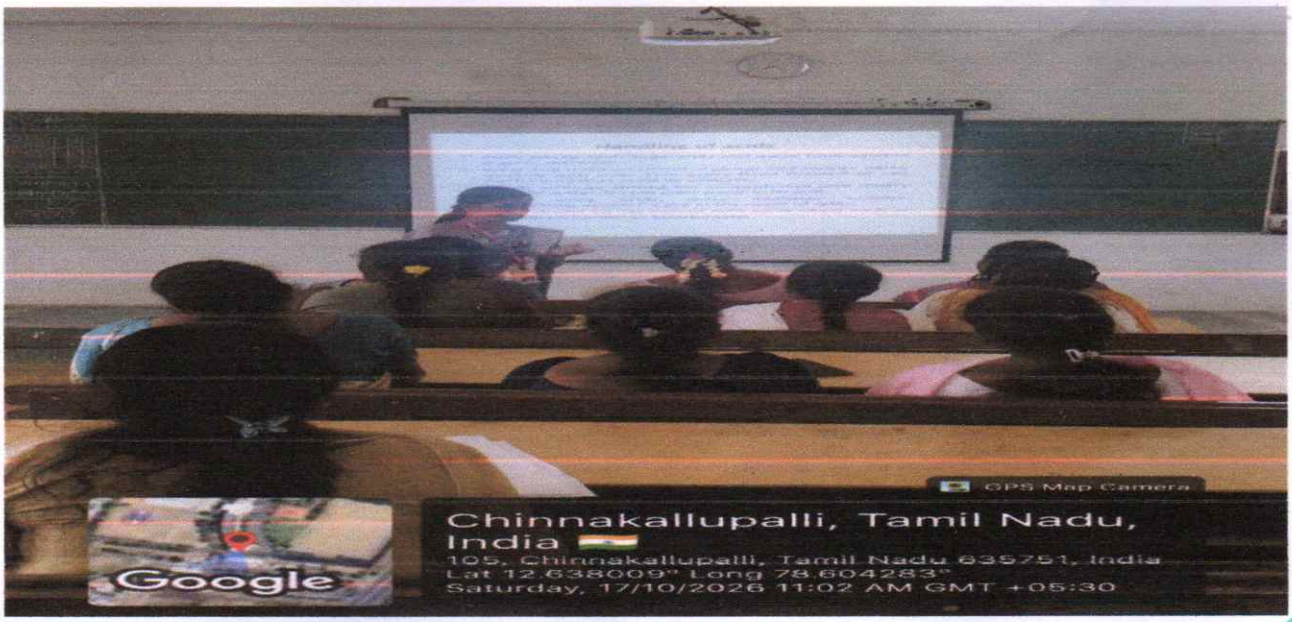
Topic : **Training on Handling Chemicals and Storage in the Laboratory**
Under the DBTSTAR College Programme

Date : 17.10.2026

Organized by : PG and Research Department of Biochemistry

Venue : Sri Arihanth Seminar Hall





Principal

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