



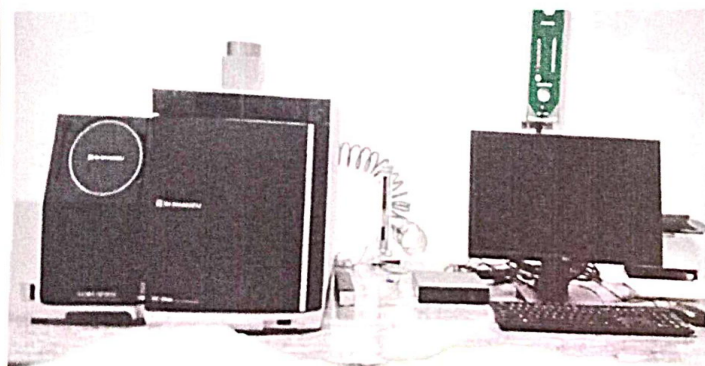
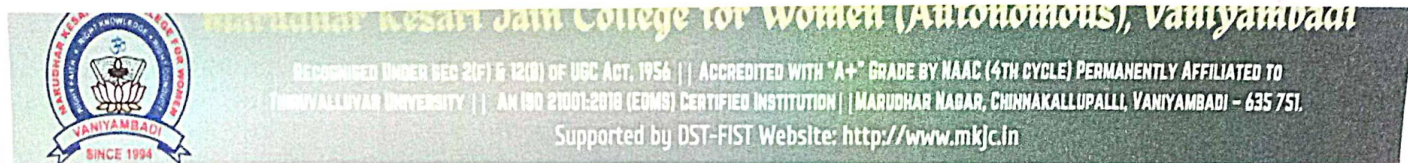
MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI

(A Project of Sri Marudhar Kesari Jain Trust)

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 ISO21001:2018 EOMS Certified Institution Supported by DST– FIST

RESEARCH AND DEVELOPMENT CELL ORGANISED FIST- SUPPORTED WORKSHOP ON IMPORTANCE OF GC-MC AND HPLC IN SAMPLE ANALYSIS


-17.02.2025 TO 24.02.2025



The Workshop will cover the vast applications of GC-MS and HPLC and their importance in societal and environmental benefits that concerns health, sustainability of resources, revitalizing biological and chemical resources. The workshop will also provide a demonstration with hands-on-training from sample preparation to chromatogram analysis to provide a complete understanding on the working principle of GC-MS and HPLC

*Students, Scholars and Faculty
of all science departments are
eligible*

**GRAB THE
OPPORTUNITY**



**FIST Supported Workshop
on Importance of GC-MS
and HPLC In Sample
Analysis**

DATES: 17-02-2025 TO 24-02-2025

Registration fees: Rs.750 per head

Scan the QR code to register or use the URL
<https://forms.gle/pZXn2WT4ThUWzagy7>



CERTIFICATE AND
REFRESHMENT WILL
BE PROVIDED

Venue:

FIST LAB @ Marudhar Kesari Jain College
for Women, Vaniyambadi

Time: 1:30pm- 3:40pm

For further details contact

Dr. R. Jesu Jaya Sudan

Associate Dean-Research

Marudhar Kesari Jain college for women
Vaniyambadi

Email: jesu@mkjc.in Ph. No. 9994170994

PRINCIPAL

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

AGENDA



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN,
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FIST SUPPORTED WORKSHOP ON IMPORTANCE OF GC-MS AND HPLC IN SAMPLE ANALYSIS

Date: 17-02-2025 - 24-02-2025

Agenda

Day	Date	Topic	Theory Sessions	Practical Sessions
1	17-02-2025	Introduction to Chromatography	Overview of basic chromatographic techniques	-
2	18-02-2024	Sample preparation for HPLC	Process in sample preparation	Sample preparation-Decoction
3	19-02-2024	HPLC Operation	HPLC Instrumentation and handling	Method setting, Sample Injection and Sample run
4	20-02-2025	Result Analysis and Report preparation	Post run analysis-HPLC	Phytochemical analysis using in-built software
5	21-02-2024	Sample preparation for GC-MS	Process in sample preparation	Maceration using solvent
6	22-02-2024	GC-MS Operation	GC-MS Instrumentation and handling	Method setting, Sample Injection and Sample run
7	24-02-2024	Result Analysis and Report preparation	Post run analysis-GC-MS	Phytochemical analysis using compound library and in-built software
8	25-02-2024	Valediction and Certificate Distribution		


Program Convener


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



**RESEARCH AND DEVELOPMENT CELL ORGANISED FIST- SUPPORTED
WORKSHOP ON IMPORTANCE OF GC-MC AND HPLC IN SAMPLE
ANALYSIS**

-17.02.2025 TO 24.02.2025

REPORT

 MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI (A project of Sri Marudhar Kesari Jain Trust) 			
Activity Report			
Title	FIST-Supported Workshop on Importance of GC-MS and HPLC in Sample Analysis		
Organized By	Research and Development Cell		
Type of Activity	Workshop		
Level	Institutional		
Date	17-02-2025	Time	1:30-3:40PM
Venue	DST-FIST Lab	Mode	Offline
Resource Person Details	Dr. R. Jesu Jaya Sudan Associate Dean-Research		
Objective of the Programme	To provide a hands-on-training and impart theoretical knowledge on phytochemical analysis using GC-MS and HPLC		
Internal Participants Count	12	External Participants Count	Nil

The one week Workshop on “Importance of GC-MS and HPLC in Sample Analysis” was organised by Research and Development Cell and conducted between 17-02-2025 and 24-02-2025. About 12 participants registered for the program. The theory and practical sessions were handled by Dr. R. Jesu Jaya Sudan. This workshop provided hands-on-training on the major concepts in sample preparation for phytochemical analysis. The workshop also imparted knowledge on the Instrumentation components and functionalities of GC-MS and HPLC.

The participants were educated on setting up the sample and run parameters, quality control, key factors in post run analysis of the GC-MS and HPLC data. The workshop helped the participants to understand the concepts and become familiar with instrument handling, sample analysis and data processing. At the end of every session there was Q&A session where the participants were allowed the clear their doubts. During the valediction day the students were asked to give the feedback and the workshop ended with Certificate distribution.

Outcome of the Programme

The participants gained a deeper insights into the concepts of GC-MS and HPLC

The participants gained a practical knowledge in sample preparation and phytochemical analysis using GC-MS and HPLC

The participants also gained knowledge on the post run analysis of the GC-MS and HPLC data using in-built softwares



Head/ Co Ordinator



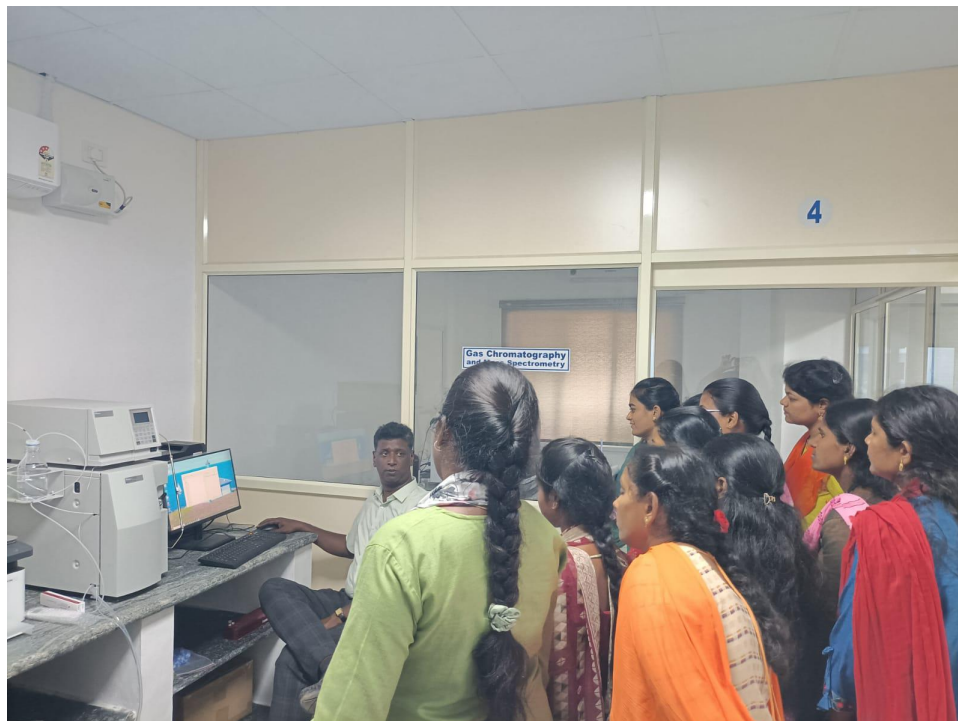
Director-IQAC



Principal

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PHOTOS






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