



# 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 (4<sup>th</sup> Cycle) – An ISO 21001:2018 EOMS Certified Institution

Supported by DST - FIST

## PG DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

ORGANIZED


ONE DAY WORKSHOP

On

ADVANCED RESEARCH IN BIOLOGICAL SCIENCE




22.03.2025

INVITATION



**MARUDHAR KESARI JAIN COLLEGE  
FOR WOMEN (AUTONOMOUS)**  
Vaniyambadi, Tirupattur District - 635 751

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by NAAC (4th Cycle) | Permanently Affiliated to Thiruvalluvar University |  
An ISO 21001:2018 Certified Institution | Supported by DST - FIST



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiatives)  
4 STAR Rating

**PG & Research Department of Biochemistry and  
Biotechnology  
Organizes**

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One Day Workshop on

# ADVANCED RESEARCH IN BIOLOGICAL SCIENCE

**Date : 22.03.2025 | Time : 11.00 AM**

**Venue : Sri Arihanth Seminar Hall**

**Chief Guest**



**Dr. G. Archunan**

**Dean Research,**

**Marudupandiyar College, Thanjavur**

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

**V. Dilip Kumar Jain**  
President

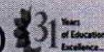
**Anand Singhvi**  
Secretary

**Dr. M. Inbavalli**  
Principal

## AGENDA



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



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**PG AND RESEARCH DEPARTMENT OF BIOCHEMISTRY &  
BIOTECHNOLOGY**

**Jointly Organizes**

**One Day Workshop on**

***ADVANCED RESEARCH IN BIOLOGICAL SCIENCE***

### AGENDA

**22.03.2025 @ 11.00 AM**

**VENUE : SRI ARIHANTH SEMINAR HALL**

**PRAYER**

**WELCOME ADDRESS : ASMA PARVEEN M**  
**III BSc BIOTECHNOLOGY MKJC**

**FELICITATION ADDRESS : Dr.M.INBAVALLI**  
**PRINCIPAL, MKJC**

**CHIEF GUEST INTRODUCTION : TANUJA N**  
**III BSc BIOTECHNOLOGY MKJC**

**CHIEF GUEST ADDRESS : Dr.G.ARCHUNAN**  
**DEAN RESEARCH,**  
**MARUDUPANDIYAR COLLEGE,**  
**THANJAVUR**

**QUESTIONARY SESSION FROM PARTICIPANTS**

**VOTE OF THANKS : SHARON E**  
**III BSc BIOCHEMISTRY MKJC**

**MASTERING : S.SURATHUL SHABA, H MSc BC**  
**H.MEENAKSHI, III BSc BC**  
**DEPARTMENT OF BIOCHEMISTRY**

**NATIONAL ANTHEM**

## REPORT



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



### Activity Report

Title	Workshop on "Advanced Research in Biological Science"		
Organized By	School of Life Sciences and Physical Sciences		
Type of Activity	Workshop		
Level	College Level		
Date	22.02.2025	Time	9.30 AM
Venue	Sri Roop Rajat Seminar Hall	Mode:	Offline
Resource Person Details	Dr. G. ARCHUNAN, Ph.D., D.Sc. Dean-Research, Marudupandiyar College, Thanjavur		
Objective of the Programme	To provide participants with an in-depth understanding of current advancements in key areas of life science research, including genomics, CRISPR-Cas9, stem cell technology, synthetic biology, bioinformatics, and nanobiotechnology.		
Internal Participants Count	Student: 75 Faculty: 10	External Participants Count	Online: Nil Offline: Nil

#### Summary:


Marudhar Kesari Jain College's Biotechnology Department hosted a pivotal workshop on March 22nd, 2025, focusing on "Advances in Life Science Research," led by Dr. Archunan. The event aimed to equip students and faculty with knowledge of cutting-edge biotechnological advancements. Dr. Archunan explored key areas, including genomics, highlighting personalized medicine's potential through next-generation sequencing. He delved into the transformative power of CRISPR-Cas9, addressing ethical considerations alongside its gene-editing applications. Stem cell research and regenerative medicine were discussed, emphasizing iPSCs and their therapeutic potential. Synthetic biology and metabolic engineering were elucidated, showcasing their roles in sustainable industrial solutions. Bioinformatics and computational biology's importance in data analysis for drug discovery and protein prediction was underscored. The emerging field of nanobiotechnology, particularly its applications in drug delivery and diagnostics, was also presented. Interactive Q&A sessions facilitated deeper understanding, allowing participants to engage directly with Dr. Archunan's expertise. The workshop successfully conveyed the latest research, inspiring participants with the potential of these technologies. It fostered networking and collaboration,

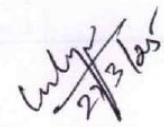
creating a platform for future research endeavors. The event's impact extended beyond knowledge dissemination, instilling a strong impetus for continued innovation in life sciences. Dr. Archunan's engaging presentation ensured a valuable learning experience, enriching the academic community. The workshop solidified Marudhar Kesari Jain College's commitment to providing access to advanced scientific knowledge.

### Outcome of the Programme

The students came to know about the

1. Understanding of Ethical Considerations: The workshop fostered critical thinking regarding the ethical implications of gene editing and other advanced biotechnologies.
2. Inspiration for Future Research: Participants were inspired by the potential applications of these technologies, sparking interest in further research and innovation.

  
Head/ Co Ordinator

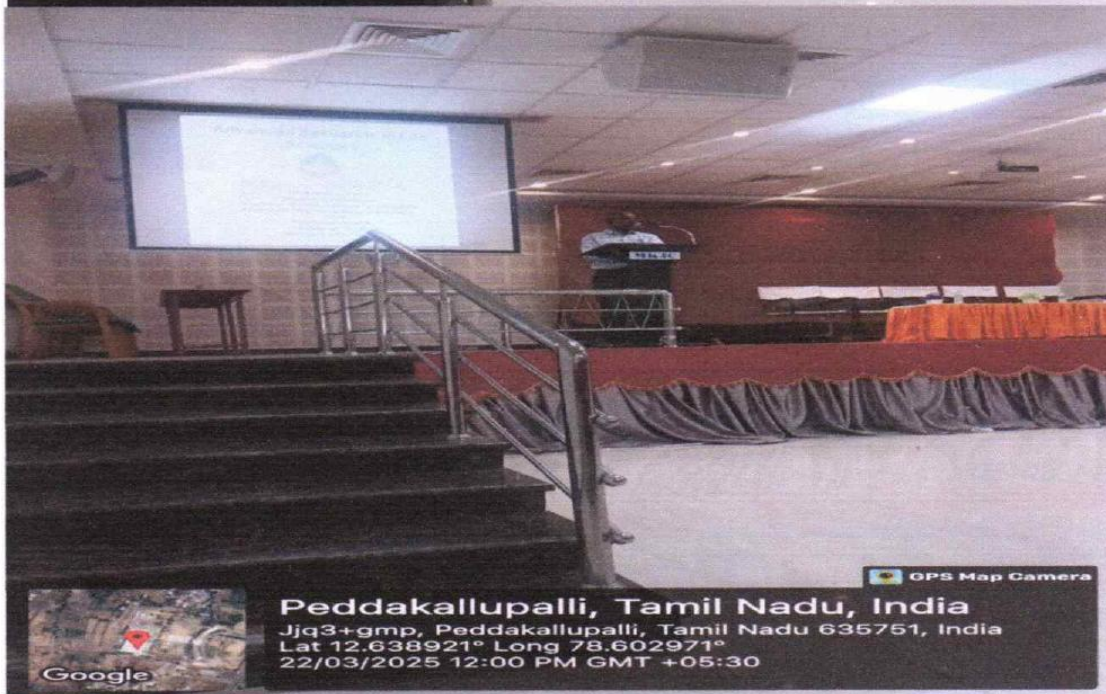
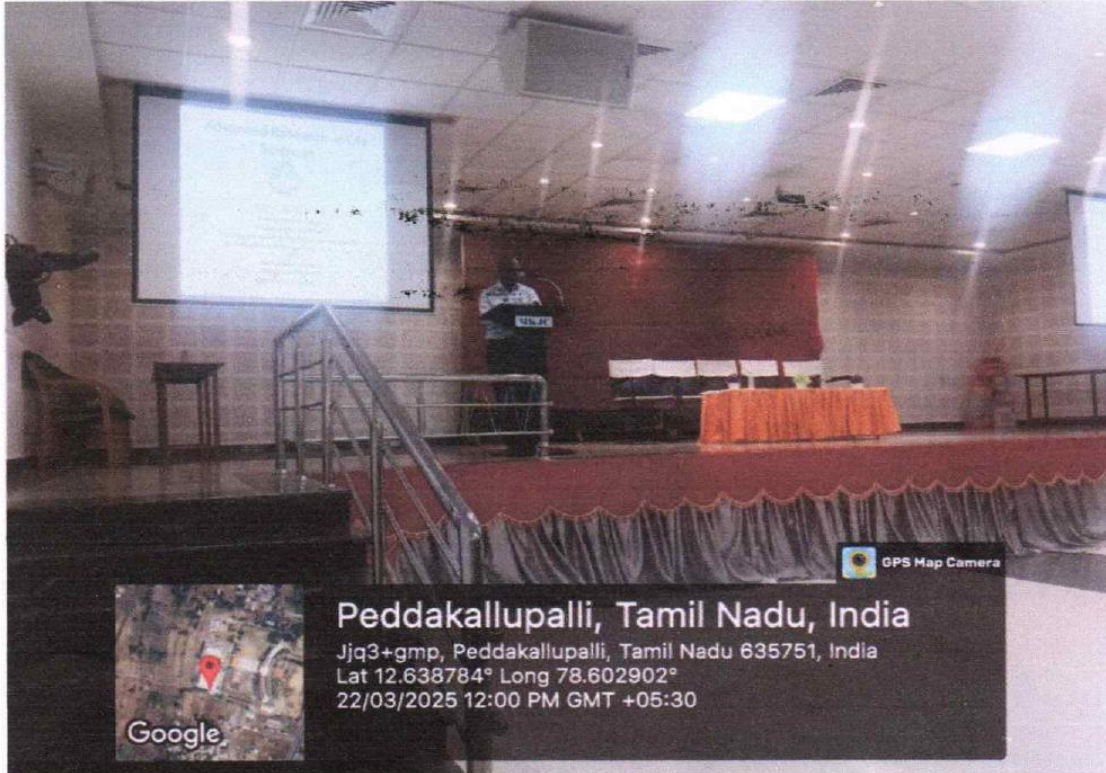
  
IQAC Director

  
Principal  
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## PHOTOS



  
**PRINCIPAL**  
Marudhar Kesari Jain College  
for Women  
Vaniyambadi - 625 751



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