



Islamiah College (Autonomous)
Vaniyambadi - 635 752



“BIOTECHNOLOGY ASSOCIATION”



Organized

Two Days Hands on Training on
“Basic Techniques in Animal Cell Culture”

In collaboration with

B.S. ABDUR RAHMAN CRESCENT INSTITUTE
OF SCIENCE AND TECHNOLOGY



Dated: 24.02.2023 & 25.02.2023

Venue

Multimedia Hall

&

UG Biotechnology Laboratory

REPORT

BACKGROUND

The Hands on training will be provided in Animal cell culture laboratory which will be useful for the young researchers working in cancer biology aspects. A hand on training not only provides skills in a particular area, but trains them to build and enhance practical knowledge, in executing their research precisely. The programme, Two days Hands on Training on “Basic Techniques in Animal Cell Culture” is a golden opportunity for the Research Scholars and Students of our college and for other colleges also, who are interested in pursuing research in cancer biology field. This workshop is designed to give an overview of cell culture applications in biotechnology. This includes lectures by eminent scientists and experts on cancer biology, cell culture development and maintenance. Hands on training will be provided on cell culture such as trypsinization and passaging of cancer cells, cell counting, drug treatment to cancer cells, MTT assay and cell migration assay.

OBJECTIVES

In this context, this workshop is aimed to motivate the young researchers in the field of cancer biology with following objectives:

- 1) To train the participants with the principles, technical requirement, scientific and commercial applications of cell lines.
- 2) To expose the participants in cell culture.
- 3) To motivate the young researchers to become a key scientist in cancer biology research Institutes and pharmaceutical industries for drug development.

PROGRAMME REPORT

The programme was presided over by Dr. H. Abdul Jaffar Ali, Convener, Assistant Professor and Head, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi at 10:30 pm in Multimedia Hall.

INAUGURATION

At first, the programme was started with Qirath by **Mr. Thalha Mudassir** (III Year B.Sc. Student) and followed by Welcome address given by Dr. M.A. Farook (Biotechnology Association Co-ordinator). **Dr. A. Liyakath Ali**, HoD of Dept. of Biochemistry, in his felicitation address, appreciated the activity of the Biotechnology association in terms of organizing the association function and stressed the importance of animal cell culture research in pharmaceutical industries and in research career for PG & Ph.D. scholars. He encouraged students to do good research in future career and its importance in life.

Followed by this, **Dr. Dr. H. Abdul Jaffar Ali** introduced **Chief Guest Dr.S.Abdul Majeed**, Assistant Professor of Zoology, C.A. Abdul Hakeem College (Autonomous), Melvisharam and Honored with memento and shawl.

Our **Chief Guest Dr. S. Abdul Majeed**, delivered a lecture on “Application of Fish cell line for Toxicology”, by nudging the students and also shared some research ideas and guidelines to all the participants, regarding various advanced techniques in Cell Culture research. Followed by this, in interaction session, students actively interacted with chief guest and questions were answered and doubts were cleared by the chief guest in an interactive way.

At the end, the Organizing Secretary, **Dr. S.U. Mohammed Riyaz**, delivered a formal vote of thanks.



WORKSHOP

In this programme, total 18 participants, which include final year UG & PG Students, M.Phil and Ph.D. Research Scholars from four different colleges across the state namely Thiagarajar College (Autonomous), Madurai, D.K.M. College (Autonomous), Vellore, Sacred Heart College (Autonomous), Tirupathur, and Islamiah College (Autonomous), Vaniyambadi, were trained on Animal Cell Culture Techniques. They actively participated in hands on training for two days.

VALEDICTORY FUNCTION

As part of Valedictory function, Chief Guest **Dr.M.Gomathi, Assistant Professor & Head, Department of Biotechnology, MKJC College, Vaniyambadi** was invited and honored by Dr. H. Abdul Jaffar Ali, Convener, HoD, Department of Biotechnology and subsequently Introduction of Chief Guest was done by Organizing Secretary, **Dr. S .U. Mohammed Riyaz**. Dr. Gomathi delivered a Valedictory address and distributed the certificates.



In conclusion, evaluation test was conducted for participants along with the feedback form. The participants shared their experience of these hands on training. Formal vote of thanks was given by Mr. K. Karan, II Year M.Sc. Biotechnology Student. The entire programme was organized meticulously by the Convener, Organizing Secretary and Co-organizer of the Hands on Training. The programme was ended successfully at 4.30 pm with National Anthem.

Thanking you


Organizing Secretary


Convener


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