

DEPARTMENT OF BIOTECHNOLOGY
PACHHUNGA UNIVERSITY COLLEGE

A Report on

'Two Days Hands-On Training on Animal Cell Culture Techniques'

26 -27 April 2023

A 'Two Days Hands-On Training on Animal cell Culture techniques' was organized on 26th and 27th April, 2023 by Department of Biotechnology, Pachhunga University College in collaboration with Department of Zoology, Mizoram University. The target group for the program were VI Semester students (BSc Biotechnology) of Pachhunga University College, to give them an exposure to the cell culture facility in Department of Zoology, Mizoram University and provide them training in alignment with their academic curriculum. The students were accompanied by Dr. Ruth Lalfelpuii, Department of Biotechnology, Pachhunga University College. The entire program was hosted and conducted by Dr. Zothansيامa, Assistant Professor and F. Lalnghakliana, Research Scholar; Department of Zoology, Mizoram University.



Dr. Zothansيامa gave a brief lecture on the main aims of the program - to provide a systematic knowledge on various aspects of Animal cell culture, familiarization with various types of cells, instrumentation (including inverted phase contrast fluorescence microscopy), different experimentation methods and good laboratory practices (GLPs) to be followed for performing effective and contamination-free animal cell culture.

The practical session of the program encompasses observation of morphology of various cells types namely kidney cells, lung cells and mouse fibroblast. Demonstration session regarding cell culture maintenance and instrumentation was conducted by F. Lalnghakliana, Research Scholar, Department of Zoology.



Students were divided into groups and were given hands-on training on 'Cell Viability Assay' using 'Trypan Blue Viability Test Assay'. The training program have benefitted much the students and help them in gaining confidence in handling animal cell culture and its techniques, helps to gain both theoretical and practical knowledge which motivates and imparts research interest to students.



Ruth Lalfelpuii

Dr. Ruth Lalfelpuii
(Faculty incharge)

Liansangmawii Chhakchhuak

Liansangmawii Chhakchhuak
Head, Department of Biotechnology