

NATIONAL WORKSHOP
On
TOOLS AND TECHNIQUES IN MOLECULAR BIOLOGY AND BIOINFORMATICS-III
(20th & 21st February 2024)

The focus of the workshop is on Molecular Techniques in the field of Genomics, Proteomics and Bioinformatics.

Day 1: Section A: Molecular Characterization and Analysis of Gene structure

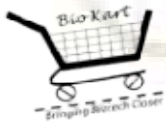
1. Genomic DNA Isolation and its quantification
2. Polymerase Chain Reaction (PCR) for gene amplification
3. Electrophoresis and Gel documentation for visualization of PCR products/Genotyping
4. Primer designing of specific gene using Bioinformatics tools
5. DNA Sequence analysis using various Bioinformatics tools.

Day 2: Section B: Isolation and quantification of protein

1. Isolation of Peripheral blood Mononuclear Cells (PBMCs)
2. Viability exclusion test
3. Isolation of Total Protein from PBMCs
4. Separation of Total Proteins by SDS-PAGE
5. Quantification specific protein by ELISA

Eligibility and Selection Criteria:

- * The workshop is intended for Life Science Post-graduates, Research Scholars and Teachers.
- * Registration will be made through Google Form from 2nd to 8th Feb. 2024 (5:00 PM)
<https://forms.gle/7nzEKoy7MMQVGNy6>
- * Candidates will be selected by the workshop committee and will be informed by 16th Feb. 24.
- * There is no fee to join the workshop. Certificates of participation will be provided.
- * No TA & DA and accommodation will be provided.
- * Laptop is mandatory to attend the workshop.



Organised by
Zoology Section

School of Sciences, MANUU, Hyderabad -32

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Organizing Committee:

Prof. Parveen Jahan (Head & Convener) 9885186923

Dr. Masroor Fatima (Co-Convener)

Dr. Arif Ahmad (Co-Convener) 9703462175

Dr. Syed Sayeeduddin

Dr. Mohammad Mahboob

Research Scholars-Zoology

Dean, School of Sciences

Prof. Salman Ahmad Khan