

GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET

Dept. of Zoology

WORKSHOP ON MOLECULAR BIOLOGY TECHNIQUES

Dt.28-04-2022

Keeping in view of many newly erected diseases related to genetics ,Department of Zoology organized “workshop on Molecular Biology Techniques” to get aware of various techniques and its uses for the students.

Molecular Biology primarily concerns with understanding the interactions between the various systems of a cell including the interactions between DNA,RNA and protein synthesis as well as learning how these interactions are regulated. It provides an in depth understanding of the mechanisms related to cell’s physiology and survival. While the classical methods retain their importance, the high fidelity techniques of molecular biology gather additional corroborative, reliable and reproducible data.

Objective of the program:

Molecular biology pertains to the study of living systems at the DNA,RNA, protein levels and how these molecules can be modified and harassed for practical applications. Knowledge of the natural function of these molecules in the cell provides a context appropriate for further advancement in the rapidly expanding areas of functional genomics, cell biology, biotechnology, microbiology, diagnostics, therapeutics and personalized medicine.

Outcome of the program:

Students will understand about molecular diagnosis using nucleic acids (DNA or RNA) is not only limited to medicine, but can be applied in so many diverse fields such as:

- 1.Popular Genetics
- 2.Toxicology
- 3.Pharmaco genomics
- 4.Forensics
- 5.Archaeology

6. Palaeontology

7. Genetically modified organisms

No. of students attended: 49

GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET, HYDERABAD



(Autonomous - Affiliated to Osmania University)



- **DEPARTMENT OF ZOOLOGY**
 - **WORKSHOP ON**
- **MOLECULAR BIOLOGY TECHNIQUES**
 - **Date: 28-04-2022**



Patron:

Dr. K .PADMAVATHI,
M.Sc, Ph.D.
Principal, GDCW
Begumpet
Hyderabad.



- 1. Isolation of DNA**
- 2. Mechanism of Restriction endonucleases.**
- 3. Polymerase Chain reaction**
- 4. Gel electrophoresis**

DATE: 28-04-2022

TIME: 11.00 AM

VENUE: Department of Zoology









