

Govt. of Jammu & Kashmir
Science, Tehnology &
Innovation Council

Sponsored

One week FDP



Hands on
Basic molecular
Biology Techniques

20th - 26th September 2022

under

Azadi ka Amrit Mahotsav

Organized by



Department of Bioresources
University of Kashmir Srinagar



&

HKM GDC Eidgah Srinagar

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Patron

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Higher Education Department, J&k

Workshop Director

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Dr. Javid A Parray

HKM GDC Eidgah Srinagar

Organising Secretaries

Dr Nusrat Shafi

Dr. Jabeena Khazer

HKM GDC Eidgah Srinagar

Venue

Department of Bioresources University of Kashmir Srinagar

75 Azadi Ka Amrit Mahotsav



HAMIDI KASHMIRI MEMORIAL



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SRINAGAR

About FDP

Molecular biology is study of biology at the molecular level. The field overlaps with other areas of biology and chemistry, particularly genetics and biochemistry. Molecular biology revolves around the central dogma DNA \uparrow RNA \uparrow protein. This is a 7-day training workshop that will enable participants acquire the knowledge of basic molecular techniques required for success in scientific research. This workshop includes theory as well as hands on sessions on basic techniques used in molecular biology such as Genomic DNA isolation, RNA Isolation, gel electrophoresis, cDNA synthesis, Restriction Digestion, and PCR. The workshop also includes demonstration of real time PCR and RFLP. Participants will be isolating DNA from bacteria, blood and plant tissues.

Objectives

The aim of this training is to equip participants with the basic knowledge and skills required to function in a molecular biology laboratory.

1. Principles, techniques and applications of Molecular biology/ Genetic Engineering.
2. Applications in domains of Plant molecular biology, microbial biotechnology; human genetics etc.
3. Genomic DNA and RNA isolation from bacteria, blood and plant cells, Gel electrophoresis, cDNA Synthesis, PCR, Restriction Digestion, Real time PCR, Sequencing.

Target audience

Faculty members

Register:

click here for free registration by or

before 15th September 2022

<https://forms.gle/qHthM7M92uu6b9QC7>

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