




Kanoria
PG Mahila
Mahavidyalaya
Jaipur

33. Three Days Workshop on "Molecular Biology Techniques" for Young Researchers (Virtual Mode)

Date: 28-01-2021 to 30-01-2021

1. Brochure:

KANORIA PG MAHILA MAHAVIDYALAYA, JAIPUR
DEPARTMENT OF BOTANY
Organizing
3 DAYS WORKSHOP ON
"MOLECULAR BIOLOGY TECHNIQUES"
FOR YOUNG RESEARCHERS
28-30 JANUARY 2021



SPEAKERS

- DR SUMITA KACHHAWAHA, ASSO PROF
DEPT OF BOTANY, UOR, JAIPUR
- DR NASEEM AHMAD, ASSTT PROF
DEPT OF BOTANY, AMU ALIGARH
- DR REEMA SRIVASTAVA, ASSTT PROF
DEPT OF BOTANY, KMM, JAIPUR
- DR APARNA RATHORE, ASSTT PROF
DEPT OF BOTANY, KMM, JAIPUR

WHY TO ATTEND
Skilled researchers are always in high demand in the biosciences related and pharmaceutical industries. Participants will be introduced to different major techniques in molecular biology-DNA isolation, PCR, gel electrophoresis, SDS-PAGE, RAPD and Blotting. Molecular biology is the field of biology that studies the composition, structure & interactions of cellular molecule such as DNA, RNA, Proteins that carry out the biological processes essential for the cell functions & maintenance.

HIGHLIGHTS
DNA Extraction, PCR, Agarose Gel Electrophoresis, Protein isolation, SDS-PAGE, RAPD, Blotting Technique, ELISA

Expected Outcome
At the end of the workshop the participants will be able to

- Perform good laboratory practice
- Acquire basic proficiency in common lab techniques of molecular biology.
- Understand & apply the principles & techniques of molecular biology which prepares students for further education or employment in teaching, basic research or the health professions.

Convener
Dr. Seema Agrawal
Principal, KMM, Jaipur

Co-Convener
Dr. Ratna Saxena
Vice Principal, Faculty of Science

Coordinator
Dr Ritu Gupta
Asso. Prof [HOD]

Organizing Secretary
Dr Reema Srivastava
Asstt. Prof

Organizing Committee
Dr Ritu Jain, Dr Aparna Rathore,
Ms Yogita Solanki, Dr Kamakshi Tomar

Seal
PRINCIPAL
KANORIA PG MAHILA MAHAVIDYALAYA
JAIPUR

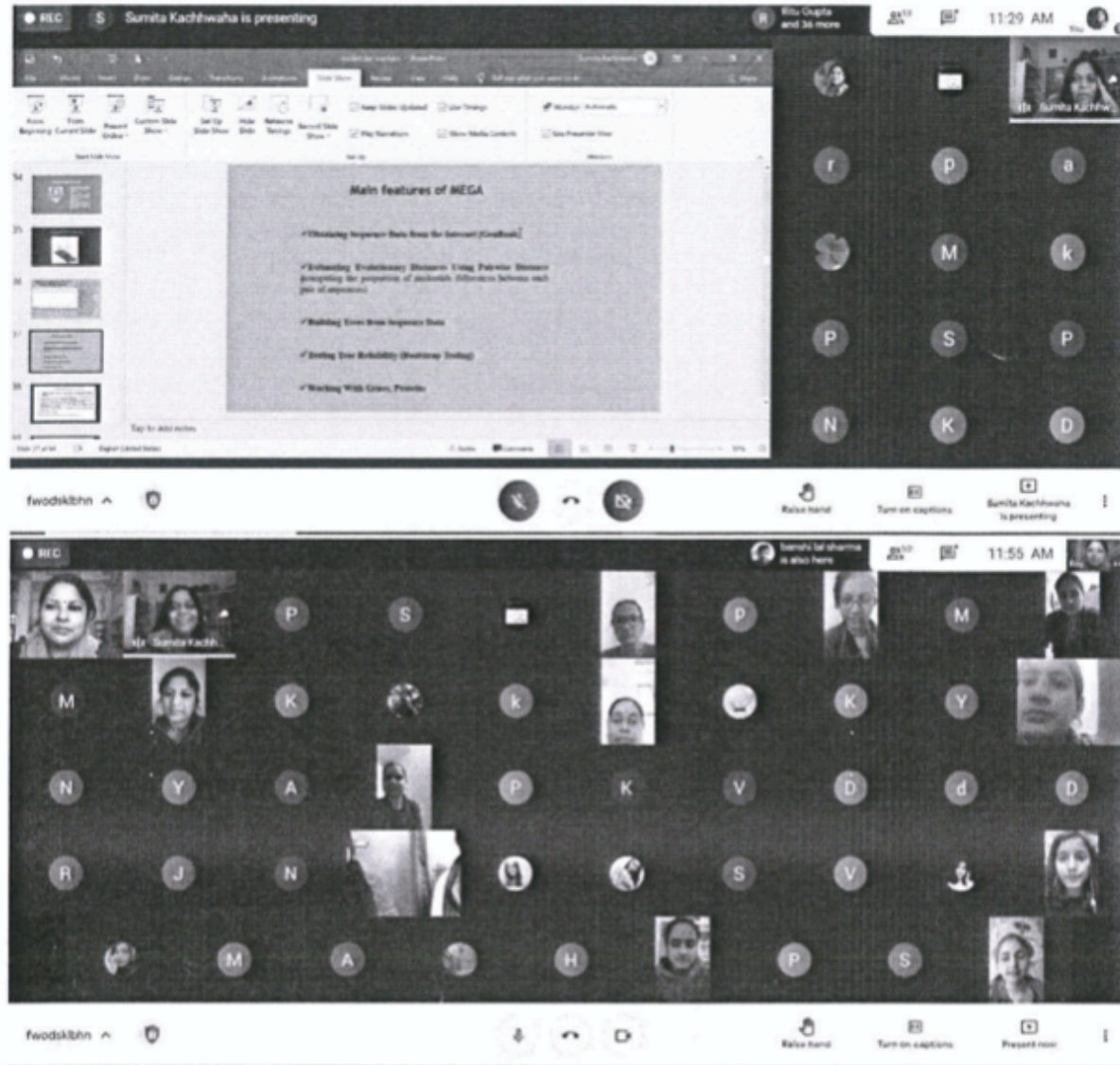
2. List of resource person/guests:

1. Dr. Sumita Kachhawaha, Department of Botany, University of Rajasthan, Jaipur
2. Dr. Naseem Ahmed, Department of Botany, AMU Aligarh
3. Dr. Reema Srivastava, Department of Botany, KMM Jaipur
4. Dr. Aparna Rathore, Department of Botany, KMM Jaipur



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3. Geotagged photograph of the event: **Virtual Mode**



Screenshot During Workshop

Report: Workshop on “Molecular Biology Techniques”

For enhancement of the practical knowledge, a three days workshop on “Molecular Biology Techniques” for young researchers was organized by Department of Botany from 28th-30th January 2021. On first day of workshop Dr Naseem Ahmad from Dept of Botany, AMU, Aligarh demonstrated the process of DNA isolation & purification followed by DNA quantification and Amplification on the second day of workshop. He also explained the working of instruments like thermocycler [PCR], Nano-photometer, and UV visible spectrophotometer used in the process. He also gave emphasis on taking necessary precautions during the experiment as instruments are expensive and some chemicals are carcinogenic.

On 28th January 2021, the session of Dr Naseem Ahmad was followed a session of ELISA by Dr Aparna B Rathore and a session on Blotting Technique on 29th January 2021 by Dr Reema Srivastava.

On 30th January 2021, the session on RAPD was illustrated by Dr Sumita Kachhawa, Associate Prof, Dept of Botany, UOR, Jaipur. She also explained other topic like Molecular Markers, SPOT Markers and Dendograms.

The workshop was appreciated by the students of M.SC SEM I & III. About 68 students, enthusiastically participated in the workshop and gained a lot of knowledge from it.

Dr Reema Srivastava

Seeny
Principal

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