



WORKSHOP FOR SCHOOL TEACHERS IN BIOLOGICAL AND CHEMICAL SCIENCES

ORGANISED

BY

SHIVAJI COLLEGE
UNIVERSITY OF DELHI

*Under the Aegis of DBT STAR College Scheme
(22nd -26th March 2021)*

“Highlights of The Workshop”

ABO-Know Your Blood Group

Chick Egg Windowing

Types of Chromatography

Quantification and Visualization of DNA & RNA

ChemDraw

Temporary and Permanent Slide Preparations (Plant Material)

“Certificates will be given to all the participants”

Convener

*Dr. Renu Baweja
Dr. Anuradha Mal
Dr. P. K. Sahu
Dr. Deepika Yadav*

Co-convener

*Dr. Jayita Thakur
Dr. Pratima Rani Sardar
Dr. Richa Arora
Ms. Nimita Kant*

*Dr. Darshan Malik
Coordinator,
DBT Star College Scheme*

*Dr. Shiv Kumar Sahdev
Officiating Principal
Shivaji College*



WORKSHOP FOR SCHOOL TEACHERS IN BIOLOGICAL & CHEMICAL SCIENCES

Organized by

Shivaji College (NAAC Accredited A Grade)
University of Delhi
Under the aegis of DBT sponsored Star College Scheme

MARCH 22-26, 2021

PROGRAMME SCHEDULE

Day 1, March 22, 2021, 9:00 AM to 1:30 PM

| | | |
|------------------|---|---|
| 09:00 - 09:30 AM | - | Registration |
| 09:30 - 10:00 AM | - | Inauguration |
| 10:00 - 10:30 AM | - | Session on Biohazards and Biosafety |
| 10:30 - 11:00 AM | - | Tea break |
| 11:00 - 01:30 PM | - | Hands on session at the Department of Chemistry |

DEPARTMENT OF CHEMISTRY

| Sessions | |
|--|--|
| Session I | Session II |
| Chromatographic separation technique for amino acids | Chemdraw: an interactive tool to draw biomolecules |

Day 2, March 23, 2021, 9:30 AM to 1:30 PM

DEPARTMENT OF BOTANY

| Sessions | |
|--|---|
| Session I | Session II |
| To prepare a temporary stained preparation of <i>Penicillium</i> showing conidia | To make a permanent double stained preparation of transverse section of Maize |

Day 3, March 24, 2021, 9:30 AM to 1:30 PM

DEPARTMENT OF ZOOLOGY

Sessions

| Session I | Session II | Session III |
|---------------------------|--|----------------------------|
| ABO Blood Grouping | Graphical Representation of Biological data | Chick Egg Windowing |

Day 4, March 25, 2021, 9:30 AM to 1:30 PM

DEPARTMENT OF BIOCHEMISTRY

Sessions

| Session I | Session II | Session III |
|--|---|---|
| To estimate the amount of Haemoglobin in human blood using Hemoglobinometer | Quantification of DNA and RNA by UV spectrometry | Separation and Visualisation of DNA by agarose gel electrophoresis |

Day 5, March 26, 2021, 9:30 AM to 1:30 PM

ICT TRAINING & VALEDICTORY FUNCTION

09:30 - 11:30 AM – Basic ICT Training (In Computer Lab)

11:30 - 12:30 PM – Tea Break & Group photograph

12:30 - 01:30 PM – Feedback & Valedictory Function