



Department of Botany
Shivaji College
(NAAC Accredited Grade 'A')
University of Delhi



Under the aegis of DBT Star College Scheme

organizes

**Inter-College
LABORATORY SKILL
TRAINING
PROGRAMME**

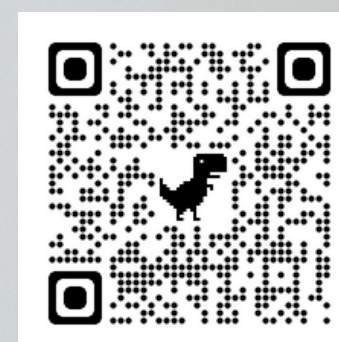
for

**Assistants/Attendants in the
Chemical and Life Science
Laboratories**

(14th - 20th September, 2021)

Register at:

<https://forms.gle/XJy97hEmP1fr9JoF7>



*****No registration fee to be paid**

Departments:

Biochemistry:

Botany:

Chemistry :

Zoology:

Convener:

Dr. Renu Baweja

Dr. Anuradha Mal

Dr. P. K. Sahu

Dr. Deepika Yadav

Co-convenor:

Dr. Jayita Thakur

Dr. Pratima Rani Sardar &

Dr. Divya Mohanty

Dr. Richa Arora

Ms. Nimita Kant

DBT SCS Coordinator
Prof. Darshan Malik

Programme Coordinator
Dr. Anuradha Mal
Dr. Pratima Rani Sardar

Principal
Prof. Shiv Kumar Sahdev



SHIVAJI COLLEGE

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Organizes

Inter-College Laboratory Skill Training Program

for

Assistants/ Attendants in the Chemical and Life Science Laboratories

September 14-20, 2021

PROGRAMME SCHEDULE

Organizing Committee

Patron: Prof. Shiv Kumar Sahdev, Principal (Officiating)

DBT SCS Coordinator: Prof. Darshan Malik

Departments	Biochemistry	Botany	Chemistry	Zoology
Convenors	Dr. Renu Baweja	Dr. Anuradha Mal	Dr. P.K. Sahu	Dr. Deepika Yadav
Co-Convenors	Dr. Jayita Thakur	Dr. Pratima Rani Sardar, Dr. Divya Mohanty	Dr. Richa Arora	Ms. Nimita Kant

Day 1 (September 14, 2021): Department of Botany

Resource Persons: Dr. Anuradha Mal, Dr. Anita Kapur, Dr. Vijay Kumar, Dr. Pratima Rani Sardar, Dr. Prabhavathi, Dr. Smita Tripathi, Dr. Kiran Bamel, Dr. Misha Yadav, Dr. Seema Talwar, Dr. Nupur Mondal, Dr. Divya Mohanty, Dr. Anurag Maurya, Dr. Devender Singh Meena

Day 2 (September 15, 2021): Department of Biochemistry

Resource Persons: Prof. Neena R. Wadehra, Prof. Rashmi Wardhan, Prof. Darshan Malik, Dr. Renu Baweja, Dr. Jayita Thakur, Dr. Sunita Singh, Dr. Usha Yadav

Day 3 (September 16, 2021): Department of Chemistry

Resource Persons: Prof. Manjula Singh, Dr. Anil K. Agarwal, Dr. P.K. Sahu, Dr. Rajni Kanojia, Mr. Mahendra Kumar Meena, Dr. Bhaskar Kandpal, Dr. Neena Khanna, Dr. Nand Gopal Giri, Dr. Rahul Singhal, Dr. Vandana Katoch, Dr. Richa Arora, Mr. Deepesh Singh, Dr. Pooja Saluja, Dr. Shilpa Jain, Mr. Narender Kumar, Dr. Sunil Yadav, Ms. Priyanka Kumari, Dr. Pallavi Agarwal

Day 4 (September 17, 2021): Department of Zoology

Resource Persons: Dr. Sunita Gupta, Dr. Deepika Yadav, Ms. Nimita Kant, Mr. Manish K. Sachdeva, Dr. Aeshna Nigam, Dr. Ankita Dua, Dr. Jitendra Kumar Chaudhary, Dr. Parul Kulshreshtha, Dr. Tarun Kumar Vats, Dr. Neetu Singh, Dr. Nidhi Garg, Dr. Rakesh Roshan

Day 5 (September 20, 2021)

Mr. Ratandeep, Mr. Afroz Khan

**Inter-college Laboratory Skill Training Program for Assistants/ Attendants in the Chemical and Life
Science Laboratories
(September 14-20, 2021)**

9:30 a.m.: Registration (In front of Principal's Office)

10:00-10.30 a.m.: Inauguration (College Auditorium)

10.30- 11:00 a.m.: Inaugural lecture by the DBT Star College Scheme Coordinator Prof. Darshan Malik on "Biohazards and Biosafety "

11:00-11:30 a.m.: High Tea and Group Photograph

**Inter-college Laboratory Skill Training Program for Assistants/ Attendants in the Chemical and Life
Science Laboratories**

PROGRAMME SCHEDULE

DEPARTMENT OF BOTANY

(Day 1: September 14, 2021)

11:30 a.m.- 2.30 p.m.

Session	Session I	Session II	Session III	Session IV
Topic	Microscopy: Introduction to Microscopy, its use and Maintenance, preparation of fixatives	Pipette and Micropipette: Use and maintenance of Pipettes and Micropipettes	Staining: Hands-on training for stain preparation; Whole mount preparation of slides using different stains	Hands on Practice for Operating Centrifuge: Introduction to Centrifuge: Its use and maintenance
Resource Persons	Dr. Anuradha Mal Dr. Prabhavathi Dr. Seema Talwar	Dr. Anita Kapur Dr. Kiran Bamel Dr. Divya Mohanty	Dr. Vijay Kumar Dr. Pratima Rani Sardar Dr. Nupur Mondal Dr. Anurag Maurya	Dr. Smita Tripathi Dr. Misha Yadav Dr. Devender S. Meena

DEPARTMENT OF BIOCHEMISTRY

(Day 2: September 15, 2021)

9:30 a.m.- 1.30 p.m.

Session	Session I	Session II	Session III	Session IV
Topic	Methods of Sterilization • Physical Methods • Chemical Methods	Hands-on-Training of • Spectrophotometer • UV Spectrophotometer	Hands-on-Training of • BOD Incubator • Shaker Incubator	Column Chromatography Techniques: • Activation of DEAE-cellulose • Activation of Sephadex
Resource Persons	Prof. Rashmi Wardhan Dr. Renu Baweja	Prof. Neena R Wadehra	Dr. Usha Yadav	Dr. Sunita Singh Dr. Jayita Thakur

DEPARTMENT OF CHEMISTRY

(Day 3: September 16, 2021)

9:30 a.m.- 1.30 p.m.

Session	Session I	Session II	Session III	Session IV
Topic	Maintenance of Glassware and safe handling of chemicals (solvents)	Distillation	Preparation of Solutions of different concentrations	Maintenance and calibration of instruments (potentiometer, pH meter, conductivity meter and colorimeter)
Resource Persons	Prof. Manjula Singh, Dr. Neena Khanna, Mr. Deepesh Singh	Dr. Bhaskar Mohan Kandpal, Dr. N. G. Giri, Dr. Pooja Saluja	Mr. Mahendra Kumar Meena, Dr. Rahul Singhal, Dr. Shilpa Jain, Dr. Sunil Yadav, Dr. Priyanka Kumari, Dr. Pallavi Agarwal	Dr. Anil Krishan Aggarwal, Dr. P. K. Sahu, Dr. Rajni Kanojia, Dr. Vandana Katoch, Dr. Richa Arora, Mr. Narinder Kumar

DEPARTMENT OF ZOOLOGY

(Day 4: September 17, 2021)

9:30 a.m.- 1.30 p.m.

	Session I	Session II	Session III	Session IV
Topic	Digitalization of Lab & Museum Data	Microbiological Media preparation	Concept and Applications of Serial Dilution in Life Sciences Laboratory	Agarose Gel Electrophoresis: Preparation of Agarose Gel & Usage & Maintenance of equipment
Resource Persons	Ms. Nimita Kant Dr. Neetu Singh Dr. Nidhi Garg	Dr. Sunita Gupta Dr. Aeshna Nigam Dr. Ankita Dua	Mr. Manish K. Sachdeva Dr. Jitendra Kumar Chaudhary Dr. Parul Kulshreshtha	Dr. Deepika Yadav Dr. Tarun K Vats Dr. Rakesh Roshan

Day 5, September 20, 2021; Computer Science Lab

10:00 a.m.- 1:00 p.m.

10:00 a.m.- 11.30 a.m.: ICT Session by Mr. Ratandeep (Senior Technical Assistant) and Mr. Afroz Khan (Jr. Assistant)

11:30 a.m.- 12:00 p.m.: High Tea

12:00 p.m. onwards: Valedictory Session