



RAM LAL ANAND COLLEGE (DEPARTMENT OF MICROBIOLOGY)

UNDER THE AEGIS OF IQAC
AND

CENTRE FOR INNOVATION IN INFECTIOUS DISEASE RESEARCH, EDUCATION,
AND TRAINING (CIIDRET), UNIVERSITY OF DELHI SOUTH CAMPUS

IN COLLABORATION WITH

INSTITUTION OF EMINENCE-DELHI SCHOOL OF SKILL ENHANCEMENT AND
ENTREPRENEURSHIP DEVELOPMENT (IOE-DSSEED)

AND

UNIVERSITY OF DELHI
(SKILL ENHANCEMENT COURSE COMMITTEE)

AND

GAD-TLC, SGTB KHALSA COLLEGE
MINISTRY OF EDUCATION, PMMMNMTT, GOVT. OF INDIA

IS CONDUCTING

One Week National Faculty Development Program (FDP)

on

Essential Skills for Genomics
4-11 August 2023

University of Delhi Skill Enhancement Courses to be covered during FDP

- 01 Isolation and Characterization of Plasmid DNA
- 02 Isolation and Characterization and quality check of Genomic DNA
- 03 Polymerase chain reaction (PCR) and its applications

Successful completion of
FDP will meet promotional
Requirements as per CAS of
UGC

LIMITED SEATS
Registration CHARGES @
Rs. 4000/-

CONTACT US:
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One Week National Faculty Development Program (FDP)

on

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Core Team @University of Delhi



Prof. Yogesh Singh
(Vice Chancellor,
University of Delhi)



Prof. Payal Mago
(Chairperson, Skill
Enhancement
courses committee,
Director, SOL, DU)

Core Team @GAD-TLC



Prof. A.K. Bakhshi
Chairman, GAD-TLC
Ex -VC, UPRTOU & PDM University

Core Team @ RLAC



Sh. Santosh Taneja
Chairman, RLAC, DU
Founder, Samkalp
IAS Coaching



**Prof. Rakesh Kumar
Gupta**
(Principal, RLAC, DU)



Prof. Vijay K Chaudhary
(Director, Delhi School
of Skill Enhancement
and Entrepreneurship
Development
(IoE- DSSEED)



Prof. Amita Gupta
(Director, Centre for
Innovation in Infectious
Disease Research,
Education and Training
(CIIDRET)



**Prof. Jaswinder
Singh**
Director, GAD-TLC
Principal, SGTB
Khalsa College



Prof. Vimal Rarh
Project Head
& Joint Director
GAD-TLC
Professor, SGTB
Khalsa College



Dr. Prerna Diwan
Coordinator,
DBT-Star College
IQAC, RLA, DU



Prof. Vandana Gupta
Program Coordinator,
Microbiology,
RLAC, DU

RESOURCE PERSONS: Centre for Innovation in Infectious Disease Research, Education and Training (CIIDRET), University of Delhi South Campus

Prof. Amita Gupta

**Prof. Vijay Kumar
Chaudhary**



Ms. Shilpi Das



Ms. Surbhi Chauhan



Ms. Navneet Kaur

Organizing Committee:



Dr. Salome John



Dr. Nidhi Chandra



Dr. Sunila Hooda



Dr. Shalini Swami



Dr. Nidhi Verma

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Essential Skills for Genomics 4-11 August 2023

Mode of FDP: Physical mode
(Offline mode) only.



Department of Microbiology, Ram Lal Anand College,
and
CIIDRET, University of Delhi South Campus



Lunch and only local hospitality will be provided



No TA/DA and accommodation will be provided

Quality Parameters for Certification:

- 01 Attendance and feedback is compulsory. Only 2 sessions can be taken off only in emergent situation with prior approval from GAD-TLC.
- 02 After Qualifying in Assignments, Projects and Online Quizzes as per norms (50% or above), Certificate with Grade for CAS will be issued.
- 03 Certificate of Participation: Those who do not fulfil all requirements or do not score 50% or above, will be given certificate of participation with No grades. This cannot be used for CAS.

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One Week National Faculty Development Program (FDP)

on Essential Skills for Genomics 4-11 August 2023

This one week hands-on National Faculty Development Program (FDP) on “Essential Skills for Genomics”, is going to be organised by Department of Microbiology under the aegis of IQAC, Ram Lal Anand College and Skill Enhancement Course Committee, University of Delhi in collaboration with Centre for Innovation in Infectious Disease Research, Education, and Training (CIIDRET), University of Delhi South Campus and Institution of Eminence-Delhi School of Skill Enhancement and Entrepreneurship Development (IoE-DSSEED) and Guru Angad Dev-Teaching Learning Centre (GAD-TLC), Sri Guru Tegh Bahadur (SGTB) Khalsa College, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, (PMMMNTT), Ministry of Education, Govt. of India From 4 to 11 August, 2023. This program includes hands-on training on Plasmid DNA isolation from Bacteria, Genomic DNA isolation, Agarose Gel Electrophoresis, Primer Designing and PCR.

Objectives:

This program includes hands on training on Plasmid DNA isolation from Bacteria, Genomic DNA isolation from Bacteria and eukaryotic cells, DNA Quality Check, Agarose Gel Electrophoresis, Primer Designing, PCR and its applications.

based on the Skill Enhancement Courses (no. 8-10) as per Executive Council Resolution No. 14-1 [a1] (Appendix-66)

- 8. Isolation and Characterization of Plasmid DNA
- 9. Isolation, characterization and quality check of Genome DNA
- 10. Polymerase chain reaction (PCR) and its applications

These training programs are open and compulsory for those who will be teaching these SEC papers in the coming semesters including Permanent, Adhoc and Guest teachers





One Week National Faculty Development Program (FDP)

on

Essential Skills for Genomics

4-11 August 2023

About the organisers

Ram Lal Anand (RLA) College is located in New Delhi, India. It was established in 1964 and has been one of the University of Delhi maintained colleges since 1973. Department of Microbiology at RLA College started in 1989. It has dynamic and dedicated teaching faculty. The Department has two laboratories with sophisticated equipment to impart student's substantial hands-on training in basic microbiology techniques such as culturing and isolation of microorganisms as well as advanced molecular biology techniques such as DNA, RNA, protein isolation and characterization. Most of our students who want to pursue science are encouraged and trained to get a publication in internationally published edited books or articles in high impact factor journals or both before they leave the college.

Centre for Innovation in Infectious Disease Research, Education and Training (CIIDRET) is an independent Centre¹ of the University of Delhi, situated at the South Campus of the University. It carries out basic and translational research addressing diagnostics, therapeutics and prophylactics aspects of infectious diseases concerning India. The center provides services to academia and industry for available infrastructure and technologies. It also imparts training to UG and PG students, research scholars, teachers and scientists from Delhi University and other institutions through short-term courses under the able guidance from its founder director Prof. Vijay K Chaudhary and the current director Prof. Amita Gupta.

Delhi University (DU) established Delhi School of Skill Enhancement and Entrepreneurship Development (IoE DSSEED) with an aim to enhance skills in a structured manner and to develop entrepreneurial spirit among students. The innovator and biochemist, Professor Vijay K Chaudhary (Honorary Director) is heading this flagship institute, set up under the **Institution of Eminence (IoE) scheme**

GAD-TLC is a leading Centre of Ministry of Education, Govt. of India under PMMMNMTT. Since 2016, it has trained more than 80,000 teachers through various FDPs, FIPs, Refresher Courses, workshops, seminars, webinars, conferences, etc. The Core Team of GAD-TLC has expertise of developing more than 50 MOOCs for SWAYAM platform of Govt. of India and the e-content produced by GAD-TLC has been rated as one of the best in quality at the National Level.

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One Week National Faculty Development Program (FDP)

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Essential Skills for Genomics 4-11 August 2023

Highlights of FDP

- Good Lab Practices in Microbiology and Molecular Biology and Basic techniques in Microbiology such as preparation and sterilization of media, culturing of bacteria etc
- Isolation and characterization of plasmid DNA by various methods
- Isolation, characterization and quality check of genomic DNA from bacteria and eukaryotic cells
- Agarose gel electrophoresis
- PCR Primer designing
- Polymerase chain reaction (PCR) and its applications

Timings:
9:30 am to 5:30 pm.

Workshop will provide a good opportunity to the faculty members to learn the essential molecular biology techniques by Individual handling. Visualization and Hands-on-Experiments makes a clear way to enhance the conceptual understanding of principles and protocols of different techniques of molecular biology. In this FDP focus will be on both In-class and In-lab and enhance participant's opportunities for growth to keep them challenged, motivated and engaged. Successful completion of this FDP will meet promotional requirements as per CAS of UGC.

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Details of Hands-on-Training Program:

Timing of Sessions

9.30 AM to 5.30 pm

Duration of the Programme

04-08-2023 to 11-08-2023

Eligibility

Faculty members involved in teaching UG and PG courses in Botany, Zoology, Life Science, Microbiology and Biotechnology any subject of biological sciences in various colleges are eligible to apply. A total of 25 participants will be selected for this FDP. Seat will be allotted on First come First Serve basis.

How to apply

Interested participants should register for the workshop by filling up a google form (link mentioned below). Selected candidates will be directed to a link for paying the registration fees. Participation will be confirmed only upon receipt of the registration fees.

All DU College Principals/ Heads of Institutions are requested to nominate teachers and Reimburse their Registration and other expenses from "IQAC Expenses" for a uniform implementation of the respective SECs across DU Colleges.



<https://www.payumoney.com/customer/users/paymentOptions/#/0393F2FFF8FA76E25095AF01FC24B6D/Payments/212873>

Register before: 03 Aug 2023

Registration Fees: INR 4000/-

Registration Link:

<https://forms.gle/QPpdZVHB6dvbsyBfA>

Note: The fees paid once will not be refunded under any circumstances.

(To be paid online or NEFT or DD). The amount should be paid in favour of Principal, Ram Lal Anand College (A/c No. 40350201005997; IFSC Code. UBIN0540358)

You can find the Link for fee payment within the registration form

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