

2K21

7

DAYS ONLINE WORKSHOP

on

“FUNDAMENTALS OF
MICROBIOLOGY”



CYTOGENE RESEARCH & DEVELOPMENT

CSC (B) – 301, 2ND FLOOR OLD COMPLEX, SAHARA STATES, JANKIPURAM,
LUCKNOW -226021

12 – 18 May 2021

@ Google Meet Platform

About the host organization:

CytoGene Research & Development, Lucknow is an autonomous Registered organization by Ministry of corporate affairs, Government of India under section 12(1) of LLP Act 2008 & Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2008.

It facilitates Testing & Training services in various domains of Life Sciences. In the year 2011 CytoGene has officially comes to an existence with its Division of Microbiology followed by the establishment Biotechnology, Molecular Biology, Biochemistry, Food Technology, Immunology, Recombinant DNA Technology and Bioinformatics.

The concept behind:

This workshop designed to give participants a combination of lectures and live demo of various techniques. Delegate will gain experience on industrial techniques at pilot level to enable the chances toward large scale production. The live demo of techniques will add clear concept in mind about working of the instruments and steps involved in different type of antimicrobial assay, antagonistic activity, production of primary and secondary metabolite. The molecular detection and analysis of data on dry lab gives more accuracy than the traditional method.

Objectives of the Workshop:

The workshop aims at exposure of candidate to basics of microbiology, its working & application. It will provide a platform to learn techniques commonly used in industry and research to get a better insight into biological analysis in large scale production. It will deal with live demo along with continuous instruction .

List of Experiments to be performed:

Antimicrobial Assay
Antagonistic Activity
Primary metabolite Production (Citric acid)
Secondary metabolite Production (Biosurfactant)
Identification of Microbes by Multiplex PCR
Molecular Characterization of Microbes

List of experiments to be performed

DATE	TOPIC	WORK
12 May 2021 (10am – 02pm)	Antimicrobial Assay	Antibacterial Assay by Disc Diffusion method Antibacterial Assay by Agar well Diffusion method MIC & MBC
13 May 2021 (10am – 02pm)	Antagonistic Activity	Inter Genus Antagonistic activity Intra Genus Antagonistic activity Antagonistic activity between Bacteria Vs Fungus
14 May 2021 (10am – 02pm)	Holiday	Eid ul-Fitr
15 May 2021 (10am – 02pm)	Primary Metabolite production (Citric Acid)	Primary screening Fermentation for citric acid production Recovery and citric acid assay
16 May 2021	Secondary Metabolite production (Biosurfactant)	Production of Biosurfactants Extraction of Biosurfactants Characterization by Spectrophotometer/FTIR
17 May 2021 (10am – 02pm)	Identification of Microbes by Multiplex PCR	DNA Extraction from Bacteria Agarose Gel Electrophoresis Set up of Multiplex PCR reaction and analysis.
18 May 2021 (10am – 02pm)	Molecular Characterisation of Microbes	Set up of PCR reaction against 16s rRNA gene. Sequencing (Lecture only) Bioinformatic Analysis

Eligibility:

Teachers, Research Scholars, PhD Students & Final year students of P.G. from any division of Life sciences.

Registration Fee:

Rs. 1000/- (Inclusive of soft copy Certificate, sent by email)

Rs. 1150/- (Inclusive of Printed Certificate, sent by courier to the provided address)

Maximum No of Seat: 50

Selection Criteria: First come first serve.

Last date to apply: 08 May 2021

How to register:**Online:**

- a) Visit to www.cytogene.in click on registration button and choose online workshop registration.
- b) Fill the form completely submit it.
- c) After submission go to mode of payment in registration button and proceed for payment by UPI/Online account transfer.

Offline:

- a) Download MS Word format of Registration form from our website www.cytogene.in or ask us for form by email.
- b) Fill the form and complete the payment by any mode of payment.
- c) Send the duly filled registration form and payment slip by: Email to workshop.cytogene@gmail.com or Whatsapp to 77-0309-5555

Mode of payment:**1) By online transfer / Cash deposit**

Name : CytoGene Research & Development LLP

Type of account : Current

Bank name : Union Bank of India

A/C no. : 522601010036489

IFSC Code : UBIN0552267

Branch : Indira Nagar, Lucknow

2) By Phonepe

Name: SUJEET KUMAR SINGH

Mobile no: 8756658021

UPI ID: 8756658021@ybl

QR Code:

**3) By Google pay**

Name: SUJEET KUMAR SINGH

Mobile no: 8756658021

UPI: singh.sujeet121@oksbi

QR Code:



Important Dates:

Date of Notification: 1st May 2021

Start of Registration: 3rd May 2021

Last date of Registration: 08th May 2021

Date of Commencement of the workshop: 12th May 2021

Contact person:

Er. Sujeet Kumar Singh Director

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+91-77-0309-5555

workshop.cytogene@gmail.com

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CYTOGENE RESEARCH & DEVELOPMENT

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Contact us:

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Testing Enquiry	+91 - 77 - 0309 – 4444
Workshop Enquiry.	+91 - 77 – 0309 - 5555