



# PROJECT/DISSERTATION

90, 120 & 180 Days

## Recognitions



ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018

# CytoGene, Lucknow

## The Leader in Training

Founded 12 years ago in 2011, **CytoGene®** has grown rapidly to become the leader in training in **Biotechnology/Life Sciences**. With completing the training 3,500+ trainees across India, The trainers are more focused to train students professionally to make the things understand easily for any range of participants. We are trusted by the students of more than 250+ universities across India.

Registered by -

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

ISO 45001:2018

Member of -

IIA (Indian Industries Association)

CII (Confederation of Indian Industries)

Facilities provided -

Contract Research Services

Testing and Analysis of Samples & Formulations

Training / Faculty Development Program

Workshop (Indoor & Outdoor)

CytoGene Research & Development is offering this online training through video meeting/ MS Team.

The aim is to provide hassle free training of all your need. The techniques are categorised on the basis of application of your requirement. We hope you will find all your needs in the given training program.

3500

TRAINED STUDENTS

ONE  
DECADE

OF EXPERIENCE IN  
TRAINING AND  
STILL COUNTING..



100%

ACCURACY

“

As the scenario of COVID-19, everyone has seen the importance of Biotechnology to develop Medicine / Vaccine. Its best time to upgrade yourself technically as no research will be possible without use of upgraded research.

”

Sujeet Kumar Singh, Director, CytoGene Research & Development, Lucknow

# Why Project / Dissertation?

Learn the future  
oriented tools  
in deep.

Have enough data  
to publish in  
UGC/SCOPUS level  
of journals

Practice  
individually

All the sessions  
will be recorded  
and stored till end  
of the project

To Complete  
the dissertation  
of Final year  
students

Sessions with  
extended time  
without  
disturbance from  
routine work

# Dilemma of choosing area for Project ? Choose any...

BIOTECHNOLOGY

MOLECULAR

BIOLOGYMICROBIOLOGY

BIOCHEMISTRY

FOOD TECHNOLOGY

BIOINFORMATICS

IMMUNOLOGY

# Why CytoGene?

Dedicated  
Experts

Individual  
Practice

A decade of  
Experience

Updated  
Syllabus

## OUR EXPERTS

We provide training to the candidate from beginning by considering them at zero. Each and every steps are cleared along with the live example to let the candidate understand it well. All the expert are too dedicated to consider each and every candidate to understand the concept and tools.

## THE SYLLABUS

Our syllabus are designed in such a way to facilitate trainees with interactive courses, enlightening videos and practical simulations, allowing training to learn in the modality that works best for them. Our experts and mentors are well qualified and have at least 5 years of experience and a 98% customer satisfaction rating.

“

The CytoGene research & Development plays a pivotal role in the success of the development and execution of the technical strategy for Bioinformatics

”

Madhulika Singh, Research Co-ordinator, CytoGene, Lucknow

# Project includes..



## LITERATURE STUDY ON THE SELECTED TOPIC

This includes a thorough background study related to the required material by the research. This helps the candidate to gain basic knowledge on the topic.



## SYNOPSIS PRESENTATION

A layout of the entire work in the form of synopsis is prepared by the candidate under the guidance of the faculty. Synopsis is then presented by the candidate in the form of presentation to the guide and other faculty members. After correction candidate can move to next step..



## TARGET SELECTION & PRACTICAL

Candidate has to select the targets from the data base as mentioned in their synopsis. This is the major step of the program. Candidate has to complete his/her entire practical work under the guidance of the faculty. No work will be done by the faculty, candidate has to perform the entire work by themselves.



## DATA MANAGEMENT AND RESULT ANALYSIS

All the results obtained during the work must be managed in very organised form and complete its analysis.



## REVIEW OF COMPLETE WORK

A review of the complete work followed by the viva voice is done for every student individually



## REPORT PREPARATION

A compilation of entire work in the form of thesis is prepared by every student. All the steps will be performed by the students under constant guidance of faculty

# List of Tentative Titles

*(You can choose any title for your project. Please note that final title will be slightly different to make it unique.)*

## Molecular Biology

- 1) DNA Barcoding – An Intergenic Species Diversification of Lower Animal
- 2) Multiplex PCR Technique – A Method for Rapid Identification of Human Pathogenic Vibrio Species in Fresh Water and Marine Water System

## Microbiology

- 3) Study to evaluate effect of Phosphate Solubilizing Bacteria on the growth of plants under pot conditions and assessment of Genomic Island isolated bacterial species
- 4) Profiling of the Phytochemical compound of Madhuca longifolia by LC-MS and its anticancer activity

## Biochemistry

- 5) Green synthesis of nanoparticles, characterisation by SEM and study of anti-cancerous and antimicrobial activity
- 6) Expression of Metallothionein as a marker in response to various Stress Factors in Plant leaves and other parts



### Bioinformatics

7) Molecular Dynamics Simulation and Molecular docking studies on Plant-based active Compounds Against HIV-1 NEF protein

8) In-silico study to explore active components against toxin protein of SARS-CoV2 by Molecular simulations

### Food Technology

9) Quality assessment of Probiotic dairy beverages and toxin detection by using ELISA techniques

10) Proximate analysis, microbial profiling and Cytotoxicity study of food supplements

### Immunology

11) Screening of C677T Polymorphism of MTHFR Genes on Rheumatoid Arthritis: A Case Control Study on North Indian Population

12) Polymorphic Study of LIMD1 Gene to understand its role in Oral Cancer

## COMPULSORY REQUIREMENT

*A computer with Basic configuration & Lab Coat*

## ELIGIBILITY

Students of UG, PG, PhD Scholar & Faculty Members from any  
stream of Life Sciences/ Biotechnology

# Trainers for the Project...

**Dr. R. K. Hans**

**Area of Specialisation:**  
Biochemistry and Animal Biotech

**Research Experience:** 40+ years  
**Trainees Undergone:** 800+



**Mr. Sujeet Kumar Singh**

**Area of Specialisation:** Molecular  
Biology

**Research Experience:** 10+ years  
**Trainees Undergone:** 2000+



**Dr. Madhulika Singh**

**Area of Specialisation:**  
Immunology & Bioinformatics

**Research Experience:** 8+ years  
**Trainees Undergone:** 2500+



# Trainers for the Project...



**Dr. Rashi Srivastava**

**Area of Specialisation:** Molecular Docking Bioinformatics

**Research Experience:** 4+ years  
**Trainees Undergone:** 500+

**Dr. Hemant Sharma**

**Area of Specialisation:**  
Microbiology

**Research Experience:** 7+ years  
**Trainees Undergone:** 900+



**Dr. Anumesh Pathak**

**Area of Specialisation:**  
Molecular Biology

**Research Experience:** 14+ years  
**Trainees Undergone:** 2700+



# PUBLICATION

*In future participants can publish the data collected during the project work.*

*As each member will work separately, no data will be shared in between and it will be unique enough to publish it.*

*CytoGene has no role in Publication of data obtained in this project. Independently candidate can publish it.*

*Candidate may put a name from CytoGene in authorship while publishing the data or can acknowledge us.*

“

“The variety of tools and techniques inculcated by CytoGene gives Trainees a Strategic advantage as we continue to witness rapid technical growth.

”

Dr. Umashankar, Consultant Scientist, CytoGene Research & Development, Lucknow

# PROJECT/DESSERTATION FEE

3 MONTHS

₹ 20,000/-

4 MONTHS

₹ 24,000/-

6 MONTHS

₹ 30,000/-

## PAYMENT SCHEDULE

₹2000/- At the time of Registration

Balance Amount - At the time of Joining

# ONLINE REGISTRATION

## EASY 3 STEPS

1

Visit to

[www.cytogene.in](http://www.cytogene.in)



Registration



Training Registration Form

2

Do Payment

Make the Payment &  
mention the transaction  
details in registration form

3

Fill the Form

Fill the form completely  
and **submit**

**Total no of Seats - 10/Batch**

When to Apply: **At least 15 days before joining date**  
(First come first serve basis)



## CONTACT PERSON

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[www.cytogene.in](http://www.cytogene.in)

# KEY FEATURES

- ✓ Dedicated titles
- ✓ Well experienced guide
- ✓ Each topic will slightly vary
- ✓ Students can publish their data
- ✓ Duration of the project is 3-6 month
- ✓ Working hour 4-5 hr per day (Mon-Fri)
- ✓ Total No of Seats – 30 (First come first serve)

## ***Disclaimer and Copyright Information :***

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CYTOGENE RESEARCH & DEVELOPMENT

### **Reporting Office**

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Old Complex, Sahara States  
Jankipuram, Lucknow - 226021

### **Laboratory**

K-51, Agro Park  
UPSIDC Industrial Area, Kursi Road  
(Lucknow) Dist - Barabanki - 225001