

MODULE:5

ENZYMOLOGY

1. Introduction to Enzymology.
2. Pure culture preparation.
3. Fermentation.
4. Downstream Processing.
5. Extraction of crude enzymes.
6. Partial purification of enzyme.
7. Total protein estimation by Bradford method.
8. Lowry's method.
9. Enzyme Kinetics.

MODULE:6

PLANT TISSUE CULTURE

1. Introduction to plant tissue culture.
2. General safety instruction for plant tissue culture.
3. Instrumentation in plant tissue culture.
4. Sterilization technique.
5. Preparation of culture media.
6. Preparation of Explants.
7. Inoculation of Explants.

PROJECT/DESSERTATION

We provide mini project/academic projects/dissertation & research facilities to the students either pursuing in any year or completed their U.G. or P.G. courses from any branch of life science. The duration of the project will be based on the project w under taken by the student. The project title will be discussed here in Chaperon Biotech Pvt. Ltd. Students can choose their topic of project from any field of the life science.



MODULE:1

BIOTECHNOLOGY

1. Introduction to Biotechnology
2. Isolation of Plasmid DNA.
3. Isolation of Genomic DNA.
4. Restriction Digestion.
5. Electrophoresis.
6. Transformation.
7. Ligation.
8. Competent cell preparation.
9. Blue White screening.
10. Preparation of PCR mixture.
11. Set up PCR reaction.

MODULE:2

MICROBIOLOGY

1. Introduction to Microbiology.
2. General safety instruction for working.
3. Identification & Classification of Microbes.
4. Isolation of Microbes.
5. Different types of Biochemical test.
6. Growth curve of Microbes.
7. Antibiotic sensitivity test.

MODULE:3

MOLECULAR BIOLOGY

1. Introduction to molecular biology.
2. Preparation of buffer & solution.
3. Isolation of genomic DNA from different sources.
4. Isolation of Plasmid DNA from bacteria.
5. Agarose Gel Electrophoresis of genomic DNA.
6. Agarose gel Electrophoresis of Plasmid DNA.
7. Quantitative analysis of DNA by spectrophotometer.
8. Elution of DNA from gel.
9. SDS PAGE
10. Protein isolation and quantification of protein.

MODULE:4

IMMUNOLOGY

1. Introduction to Immunology.
2. Gel diffusion techniques.
3. Single radial immuno diffusion.
4. Immuno-electrophoresis.
5. Counter current electrophoresis.
6. Rocket immune electrophoresis.
7. Isolation of Immuno from Blood .
8. Salt precipitation.
9. Chromatography
10. Quantitative estimation of protein.
11. SDS PAGE.
12. Western Blot.
13. ELISA.



Chaperon Biotech Pvt. Ltd.

A Place of Discovery

Established Under Companies Act, 1956 (No. 1 of 1956)
Registered by Ministry of Corporate Affairs Govt. of India

JOB ORIENTED TRAINING & PROJECTS



- + Biotechnology
- + Microbiology
- + Molecular Biology
- + Immunology
- + Biochemistry
- + Enzymology
- + Plant Tissue Culture

Head Office :

117/K/71 Nita tower, Sarvodaya nagar,
Near Deoki Chauraha Kanpur (U.P) PIN-208005
CONTACTS :- +91-512-6052516
+91-9415582516
+91-8953655853
Website : www.chaperonbiotech.com
E-mail: inquiry@chaperonbiotech.com

ABOUT US

Chaperon Biotech Pvt. Ltd. (CBPL) is a registered company under the company act 1956 (No1 of 1956). The company is mainly based on Industrial training, project & R&D purpose. It is authorized to take contract projects from private as well as government firms. Our company provides training and project in the field of biotechnology, molecular biology, microbiology, molecular cloning, immunology, environmental and other department of biotechnology.

Chaperon Biotech is dedicated to provide a backbone to the biological research, for proper utilization of the advancements in the field of biological sciences by taking together students, professional, academics, organizations through consultative, advisory, educative process which will provide growth and partnership opportunities for organization, academics, and students and the society and mankind as a whole.

For the sake of the enhancement of the vast field of biotechnology in the industrial field we conduct various industrial training programs and projects for certification of students in Bioinformatics, Biotechnology, Immunology, Cloning, Microbiology, Molecular biology, Biochemistry & Enzymology.

Director
Er.Sarvendra Mishra
MBA

ADVISORY COMMITTEE

NAME	POSITION/DESIGNATION	UNIVERSITY/INSTITUTE
Er. Sarvendra Mishra	Director	Chaperon Biotech
Er. Saurabh Singh	CEO	Chaperon Biotech
Dr. I. Das	Sr. scientist	Indiana university (USA)
Dr. Rajinder Kumar	Scientist	C.S.K.H.P.K.V. Palampur (H.P)
Dr. Alok Tripathi	Sr.Professor	A.P.L.E.P.
Mr.Kunal Kumar	Research Scholar	NITK Surathkhal
Dr. J. Singh	Sr. Professor	Aligarh University

FACULTY

NAME	SUBJECT EXPERT	DIGSIGNATION
Dr. Ashish Kr. Dwivedi	Biochemistry	Sr. Research Associate
Dr. S. Shukla	Plant Biochemistry	Sr. Research Associate
Er. Ashok Kumar Yadav	Biotechnology	Research Associate
Er. Gyanesahwar Patel	Microbiology	Research Associate

