



Industry Ready Training Ayurveda / Natural Product Chemistry

Our Benefit :



Get Certificate



On Time Training



100 % Hands on
learning



+91-9891179928 (WhatsApp Only)



allelifesciences@gmail.com



www.allelifesciences.com



OUR PEDAGOGY

Our training programs are specially designed for the betterment of students career to help them capture knowledge on emerging technologies and to improve skills in Herbal analysis & research.



WHY TRAINING ?

One of the main reasons why freshers find it difficult to get employment in the industry is the lack of hands-on experience. Our mission to get students industry-ready in Ayurveda Sector..

WHO WILL BE BENEFITED

- Career opportunities in Ayurveda Research or Industry
- You may consider as Pre Ph.D. Program

DURATION & FEE :

- 3 Months
- INR 30,000

HANDS ON EXPERIENCE ON MAJOR TOOL & TECHNIQUES:

- Animal Cell Biology - Culture, Inverted Microscopy, Fluorescence Microscopy & Image Analysis, Apoptosis, Cytotoxicity
- Microscopy of Botanicals - Classical botany
- Extraction Procedures, Solvent management by vacuum rotary evaporation and other distillation techniques
- Microbial Analysis, MIC, Anti Microbial Activity, Anti oxidant Activity etc.
- Heavy Metal Analysis
- Pesticide Analysis
- Chromatography Techniques - Size Exclusion, Preparative HPLC Purification, HPLC Analysis, TLC & Column Chromatography
- Gas Chromatography



Macroscopic & Microscopic Examination of Botanical

- Unit 1: Visual examination and odour - size, colour, texture, surface characteristics
- Unit 2: Inspection by microscopy - Preliminary treatment, section & staining
- Unit 3: Histochemical detection of cell walls and contents
- Unit 4: Disintegration of tissues
- Unit 5: Determination of the stomatal index



Determination of extractable matter, volatile oil & bitterness

- Unit 1: Hot extraction and Cold maceration of botanical
- Unit 2: Drying the solvent by Vacuum Rotary Evaporator
- Unit 3: Determination of water and volatile matter
- Unit 4: Determination of volatile oils
- Unit 5: Determination of bitterness value



MIC & Anti Microbial Assay

- Unit 6: Determination of haemolytic activity
- Unit 7: Determination of tannins
- Unit 8: Determination of swelling index
- Unit 9: Determination of foaming index
- Unit 10: Qualitative assay of Herbals - Assay of Alkaloids, Flavonoids, Terpenes,



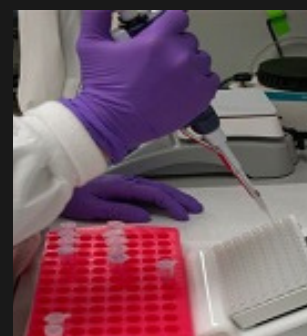
Basics of Herbal Analysis Lab & Analytical Procedures

- Unit 11: Qualitative assay of Herbals - Free Glucose, tannins, Anthraquinone, Saponins, Phenols etc
- Unit 12: Quantitative assay of Total Phenolics
- Unit 13: Quantitative assay of Total Flavonoids
- Unit 14: Quantitative assay of Total Phenolics
- Unit 15: Quantitative assay of Total Alkaloids



Chromatography Separation & Analysis

- Unit 16: Analysis of crude fractions by TLC
- Unit 17: Purification of herbal extract by column chromatography
- Unit 18: Spectrophotometric & TLC analysis of fractions
- Unit 19: Basics of High Performance Liquid Chromatography
- Unit 20: Crude Fraction & Data Analysis of HPLC



Herbal Microbial Analytical Procedure

Unit 21: Simple & Serial Dilution, Moles and Molar Solutions

Unit 22: Sterility Check : Procedural Blank , Media Blank , Field Blank , Positive & Negative Control Cultures

Unit 23: Enumeration of Microbes & Colony Counting

Unit 24: Growth Curve Analysis of Microbial Culture

Unit 25: Colony Morphology & Survival Analysis



MIC & Anti Microbial Assay

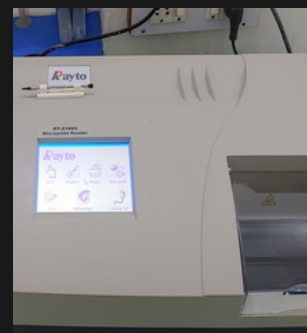
Unit 26: Minimum Inhibitory Concentration Assay (MIC Assay)

Unit 27: Data Analysis of minimum inhibitory concentration

Unit 28: Anti-Microbial assay of extracted crude extract (Plate Assay)

Unit 29: Anti-Microbial assay of extracted crude extract (ELISA based)

Unit 30: Antibioqram data Analysis



Antioxidant / Oxidative Stress Assay

Unit 31: Inhibition Concentration (IC50) of Antioxidant activity

Unit 32: In vitro radical scavenging assay & data analysis

Unit 33: Reducing Power assay of herbal extract

Unit 34: Analysis of Catalase test in herbal sample

Unit 35: superoxide dismutase (SOD) activity



Cell Culture, Cytotoxicity Assay

Unit 36: Cell Culture Lab Safety, Microscopy, Basics of Cell Culture

Unit 37: Revival of Cryo preserved Cell

Unit 38: Culture of a Continuously Growing Cell Line

Unit 39: MTT Assay for cytotoxicity analysis

Unit 40: Data Analysis of cytotoxicity assay



Molecular Docking Approach in Screening of Ayurvedic Phytoconstituent Leads

Unit 41: Complementarity binding response & Protein analysis

Unit 42: Target details and Receptor Structure

Unit 43: Ligand preparation

Unit 44: Protein preparation and grid generation

Unit 45: Molecular docking



Heavy Metal & Pesticide Analytical Techniques

Unit 46: Analysis of lead in herbal sample

Unit 47: Analysis of chromium in herbal extract

Unit 48: Analysis of cadmium in herbal sample

Unit 49: Analysis of arsenic in herbal sample

Unit 50: Analysis of pesticide in herbal extract



Activity Guided Purification of column fractions by Semi or Preparative HPLC

Day 1: Purification of fraction with Size Exclusion Chromatography (HPLC)

Day 2: Analysis of active ingredient with Microplate Reader

Day 3: Analysis of purified fraction for anti microbial activity

Day 4: Analysis of purified fraction with cell line - Phase 1

Day 5: Analysis of purified fraction with cell line - Phase 2



Analysis of non volatile compound with HPLC

Unit 51: Basics of High Performance Liquid Chromatography

Unit 52: Software, application in HPLC and Data Analysis

Unit 53: Sample, Standard and Solvent Preparation for HPLC

Unit 54: Sample run with HPLC

Unit 55: Data Analysis



Analysis of semi or volatile with Gas Chromatography

Unit 56: Basics of Gas Chromatography

Unit 57: Software, application in GC and Data Analysis

Unit 58: Sample, Standard and Solvent Preparation for GC

Unit 59: Sample run with GC

Unit 60: Data Analysis



Cost of Training : INR 30,000 / -

Duration : Three Months



Address Office:

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PERSONAL INFORMATION

Full Name :

Address :

Nationality : Institution (If Any)

Phone : Email :

Name of Training :

Terms & Conditions

1. The admission to training / internship programs will be confirmed after the payment of registration fee along with documents.
2. The registration fee Rs 1000/- deposited is completely non refundable.
3. I will deposit the service charges as decided by the company in brochure at the time of joining date of training program.
4. Students have to bear their own boarding/lodging /conveyance charges.
5. Trainees will maintain adequate discipline & lab safety inside the lab premises.
6. Company will not be responsible for any medical, legal issues during the internship tenure.

Declaration

I hereby declare that all statement/information given in the application form are true to the best of my knowledge and belief . I will strictly abide by the terms & conditions, norms, lab etiquette during the training .

Pay Registration Fee for confirmation of seat for training program.
Send the copy of the form, payment detail and any identity proof at :
info@allelelifesciences.com



allelelifesciences@upi

THANK YOU FOR REGISTRATION

We will send your training confirmation letter at your Email ID given in the registration form

Trainee Signature

More Information :

If you do not receive confirmation letter kindly WhatsApp your details at:
9891179928

www.allelelifesciences.com



CONTACT US —

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OUR SERVICES

GENOMICS SERVICES

- Sequencing Services
- PCR & Real Time PCR Services
- Gene Cloning
- Genotyping Services
- Epigenetic Analysis
- Microbiome Analysis
- Nutrigenomics Analysis
- Plant Genomics

PROTEIN CHEMISTRY

- Protein Purification
- Protein Analysis
- Peptide Synthesis
- Peptide Modification
- Peptide Labelling
- Antibody Purification
- Enzyme Production
- Enzyme Analysis

BIOLOGICAL ASSAY

- In-Vitro Cell Assay
- Microbial Assay
- Antioxidant Assay
- Oxidative Stress Assay
- Toxicity Assay
- Nanotechnology Assay
- Bio-Chemical Assay
- Immunology Assay

ANALYTICAL SERVICES

- HPLC Analysis
- GC Analysis
- Mass Spectrometry Analysis
- Vitamin Analysis
- GMO Analysis
- Amino Acid Analysis
- Allergen Analysis
- Trace Analysis

OUR PRODUCTS

- Molecular Biology Reagents
- Biochemical Analysis
- Protein Analysis Reagents
- Cell Culture Products
- Plant Research Products
- Lab Equipment