



Plant Pathology Industrial Training

NTHRYS provides Plant Pathology Industrial Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee structures, Eligibility, Protocols and Modules etc.,. Please do call / message / whatsapp for more details on 9014935156 [India - +91]

Eligibility: BSc / BTech / MSc / MTech / MPhil / PhD in any Life Sciences studying or completed students

Protocols / Techniques Covered

Plant Pathology - Module - I

Molecular Identification of Plant Pathogens

1. DNA Extraction from Bacteria
2. Primer designing using Bioinformatics Tools
3. PCR
4. Agarose Electrophoresis using 1 - 10 Kbp ladder
5. A brief introduction to Plant Bioinformatics, Nomenclature and Plant Pathological Bioinformatics Database designing and management standards
6. DNA extraction from Fungal Plant Pathogens
7. DNA Extraction from Viral Plant Pathogens
8. Identification of Fungal Plant Pathogens using PCR
9. Identification of Viral Plant Pathogens using PCR
10. DNA extraction from Insect Plant Pathogens
11. Identification of Insect Plant Pathogens using PCR

Plant Pathology - Module - II

Immunological Identification of Plant Pathogens

12. Total Protein Extraction from plant materials
13. Semi Ultra Purification of extracted plant proteins

14. Immunological Identification of plant pathogens using ELISA

Plant Pathology - Module - III

Microbial Hazards Control in Plant Tissue Culture

15. Microbiological Quality Assurance Measures in Plant Tissue Culture Practices
16. Stock Plant treatment for detection & Identification of viroids, viruses, bacteria & fungi in plant tissue culture plant materials
17. Various Surface sterilization to control microbial hazards plant tissue culture plant materials
18. Molecular identification of Viral contamination of plant material selected for plant tissue culture

Plant Pathology - Module - IV

Other Plant Pathology Study Protocols

19. Screening for soil borne pathogens
20. Identification of Plant Disease Resistance Genes
21. A brief introduction to Plant Bioinformatics, Nomenclature and Plant Pathological Bioinformatics Database designing and management standards

5 Days Duration - Module I

10 Days Duration - Module I & II[fast track]

20 Days Duration - Module I & II with complete coverage

1 Month Duration - Module I, II & III [Fast Track]

45 Days Duration - Module I, II, III & IV with complete coverage

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Fee details in Rs per student				
Fee	3 Months	4 Months	5 Months	6 Months
Individual	74000	144600	202000	238900
Group 2 - 4	70400	97800	190100	245700

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Group 5 - 7	69700	96800	188100	243100
Group 8 - 10	69000	95700	186100	240500