



Three Days Workshop cum Training on

Diagnosis and Detection of Plant Diseases

Under
Niche Area of Excellence Programme
Uttar Banga Krishi Viswavidyalaya

9-11th October, 2023

Dr. Arup K. Mukherjee

Principal Scientist, Molecular Plant Pathology Laboratory,
ICAR-National Rice Research Institute
Cuttack, Odisha 753006

Topic:

**Polymerase Chain Reaction (PCR) and its use in
diagnosis of plant pathogens**

Dr. Anirban Roy

Principal Scientist (Plant Pathology)
ICAR Indian Agricultural Research Institute
New Delhi 110012

Topic:

Topic: Landmark events and heroes of CRISPR

Practical:

**Application of CRISPR technology in the
detection and management of plant pathogens**

Dr. Soham Ray

Senior Scientist (Agricultural Biotechnology)
Division of Plant Physiology
ICAR Indian Agricultural Research Institute
New Delhi 110012

Topic:

**The molecular mechanism of genome editing in
eukaryotes**

Practical:

**Insilico tools and their applications in plant
genome editing**

Dr. Joshitha Vijayan

Scientist (Agricultural Biotechnology)
ICAR National Institute for Plant Biotechnology
New Delhi 110012

Topic:

**Different modular architectures available for
constructing eukaryotic genome editing vectors**

PATRON

Prof. Debabrata Basu
Vice Chancellor

ADVISOR

Prof. Ashok Choudhury
Director of Research

COORDINATOR

Prof. Apurba Kumar Chowdhury

COURSE DIRECTOR

Dr. Nandita Sahana

Associated Directors

**Prof. P.M.Bhattacharya | Prof. Bidhan Roy | Dr. Somanth Mandal
Dr. Rupsanatan Mandal | Dr. Shubhrajyoti Sen**

Eligibility:

M.Sc and PhD students and young Faculties