



IARI

Indian Agricultural Research Institute

New Delhi

Course

1. Molecular diagnosis of plant viruses

The Indian Agricultural Research Institute (IARI) is the country's premier institute for agricultural research, education and extension. It has served the cause of science and society with distinction through first rate research, generation of appropriate technologies and development of human resources. The Green Revolution was born in the fields of IARI and our graduates constitute the core of the quality human resource in India's agricultural research and education. The Institute has all along been adjusting and improving its policies, plans and programmes to effectively respond to the needs and opportunities of the nation.

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1. Molecular diagnosis of plant viruses

Faculty

Seven scientists actively engaged in the frontier of plant virus research will constitute the faculty.

Training Programme

The course is designed to strengthen the knowledge and skill of diagnosis of plant viruses.

Course Directors : R K Jain/ Bikash Mandal

Duration : Two Weeks (First fortnight of September, 2009)

Course Fee : US \$ 1500/trainee

Number of Trainee : Maximum 10 per course

Accommodation : To be arranged in the Institute's Guest House

Eligibility : Scientists/Professors/Technical persons

Course Contents

- Chronic and emerging diseases caused by plant viruses and their economic importance
- Diversities of plant viruses
- Immuno- and nucleo-based diagnostics in Plant Virology
- Principle and practices of PCR for detection of RNA and DNA viruses
- Virus gene cloning and sequencing
- Sequence analysis for final diagnosis of virus infection
- Detection of multiple infections by multiplex PCR
- Microarray in diagnosis of plant viruses

