

IPM CRSP Trip Report

Country Visited: BARI, Gazipur, Bangladesh

Dates of Travel: 6th February to 11th February, 2012

Travelers Names and Affiliations: R. Samiyappan, S. Mohankumar, and G. Karthikeyan, TNAU, Coimbatore, India

Purpose of Trip: To conduct IPDN workshop of IPM-CRSP

Sites Visited: BARI, Gazipur, Bangladesh

Description of Activities/Observations:

The program of the IPDN workshop on Disease and Insect Pest Diagnostics meeting is attached.

- ❖ G. Karthikeyan, Associate Professor delivered lectures on Fundamentals of PCR and Diagnosis of Whitefly-Transmitted Viruses in IPM CRSP Vegetables on 7.2.2012 and 8.2.2012 respectively
- ❖ S. Mohankumar, TNAU delivered the lecture on Identification of Whitefly and Use of SSR Markers to Characterize Whitefly Populations on 8.2.2012
- ❖ G. Karthikeyan and Dr. S. Mohankumar organized the laboratory sessions on Whitefly Transmitted Virus Identification using ELISA and PCR Case Study with tomato leaf curl and Whitefly Transmitted Virus Identification on 8.2.2012 and 9.2.2012.
- ❖ R. Samiyappan delivered a lecture on Identification of Pseudomonas Biocontrol Agents on 8.2.2012
- ❖ All three scientists participated in the Bacteriology workshop conducted by Sally Miller, papaya mealybug lecture and lab conducted by R. Muniappan, Digital diagnostics, IPDN survey lecture by Dr. Sally Miller
- ❖ We also visited the departments of Entomology, plant pathology and biotechnology of BARI. We have observed the mass multiplication of *Bracon hebator*

- ❖ We visited the Entomology, Plant pathology trials and demonstration plots at BARI.

Papers presented in the IPDN workshop

Lecture sessions		
7.2.2012	Dr. G. Karthikeyan	Fundamentals of PCR
8.2.2012	Dr. G. Karthikeyan	Diagnosis of Whitefly-Transmitted Viruses in IPM CRSP Vegetables
8.2.2012	Dr. S. Mohankumar	Identification of Whitefly and Use of SSR Markers to Characterize Whitefly Populations
9.2.2012	Dr. R. Samiyappan	Identification of Pseudomonas Biocontrol Agents
Practical sessions		
8.2.2012 and 9.2.2012	Dr. G. Karthikeyan	Whitefly Transmitted Virus Identification using ELISA and PCR
8.2.2012 and 9.2.2012	Dr. S. Mohankumar	Identification of Whitefly and Use of SSR Markers to Characterize Whitefly Populations

Training Activities Conducted

Program type (workshop, seminar, field day, short course, etc.)	Date	Audience	Number of Participants		Training Provider (US university, host country institution, etc.)	Training Objective
			Men	Women		
IPDN workshop	7.12.2012- 9.2.2012	Scientists from Entomology and pathology division of BARI and Nepal	10	5	IPDN- IPM_CRSP of Ohio State university and BARI	Disease and Insect Pest Diagnostics

Suggestions, Recommendations, and/or Follow-up Items:

List of Contacts Made:

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