

Indian Institute of Spices Research Kozhikode

Proceedings of the Study Circle 27 November 2012

F.No.IISR/SCM-C/2012

Date 01-12-2012

The study circle meeting was held on 27 November 2012 at 2.30 pm in the Silver Jubilee Hall under the Chairmanship of Dr.M. Anandaraj, Director, IISR. There were 63 members attended and 12 research papers and 1 Ph.D synopsis were presented in the study circle.

Research Papers

1. Contribution No. 678:

“Garcinia Butter-ideal confectionary oil with multipurpose uses.”. by Utpala Parthasarathy, O.P.Nandakishore, N.K Leela, Senthil Kumar, K.Nirmal babu and V.A.Parthasarathy.

It was approved. Before advocating it as ideal confectionary oil, verify how does it conform to the Food Safety and Standards Authority of India 2010 regulation and compare it with other confectionary oil. Standardize the extraction and evaluate in National Institute of Nutrition so that it can be recommended as a product.

2. Contribution No. 679:

“Intrinsic quality profile of Panniyur-1 black pepper (*Piper nigrum* L.) at different locations and constituents’ interaction ”. Sruthi D, John Zachariah T*, Leela N K and Jayarajan K

It was approved. She was advised to change the title, mention the year of harvest, find out the variety x location, altitude x quality interaction and also informed to correlate the data with the physiological data available with Dr. KS Krishnamurthy and prepare a comprehensive paper.

3. Contribution No. 680:

“Detection of Cardamom mosaic virus and Banana bract mosaic virus infecting cardamom using SYBR green real time one step RT-PCR ”. : Siljo, A. I. Bhat and C.N. Biju:

It was approved.

4. Contribution No. 681:

“Rapid detection of Cucumber mosaic virus and Piper yellow mottle virus infecting black pepper (*Piper nigrum*) by loop mediated isothermal amplification : Bhat, A. Siljo and K.P.Deeshma:

It was approved and he may give a technical seminar on LAMP in one of the study circle.

5. Contribution No. 682:

“SYBR green based real time PCR for detection of Cucumber mosaic virus and Piper yellow mottle virus infecting black pepper (*Piper nigrum*)”. : Bhat and A. Siljo

It was approved.

6. Contribution No. 683:

“Reverse transcription loop- mediated isothermal amplification method for rapid and sensitive detection of Banana bract mosaic virus infecting cardamom (*Elettaria cardamomum*) ”. : Siljo and A. I. Bhat

It was approved.

7. Contribution No. 684:

Identification of non – sporulating endophytic fungi with rDNA sequence : K. Sreeja, M. Anandaraj* and R. Suseela Bhai

It was approved

8. Contribution No. 685:

Analysis of differentially expressed genes in *Curcuma amada* and *Zingiber officinale* upon infection with *Ralstonia solanacearum* by Suppression subtractive hybridization : EJ Suraby, TP Prameela, D Prasath, K Nirmal Babu and M Anandaraj

It was approved

9. Contribution No. 686:

Enhancing shelf life of *T. harzianum* by conidial storage in sterile water : R. Suseela Bhai and Anandaraj M

It was approved, she was advised to analyse the data using transformation method and also include ‘CD’ values in the table where it was missed

10. Contribution No. 687:

Isolation of phages infecting *Ralstonia solanacearum* causing bacterial wilt in ginger (*Zingiber officinale* Rosc.) : T. P Prameela, R. Suseela Bhai* and M. Anandaraj

It was approved

11. Contribution No. 688

Molecular Profiling of *Phytophthora* isolates from black pepper using EST-SSR markers : J. Cissin, R. Suseela Bhai , K. Nirmal Babu and M. Anandaraj

It was approved and instructed to include Ms. N Reena's name in the authors list

12. Contribution No. 689

Isolation and characterization of resistance gene candidates in *Piper nigrum* L. : E J Suraby, N Reena, K Nirmal Babu and M Anandaraj :

It was approved.

Ph.D Synopsis

1. Contribution No. 690

“Ph.D Synopsis: Elimination of viruses through somatic embryogenesis in black pepper (*Piper nigrum* L.)”. Ms. Shina Sasi:

It was approved.

The meeting came to an end at 5.00 pm

This is issued with the approval of the director

**Sd/
Jayarajan K
For Secretary, Study Circle**