

**Indian Institute of Spices Research  
Kozhikode, Kerala.  
Proceedings of Study Circle, 20<sup>th</sup> November 2014**

---

**F. No. IISR/SCM-C/ 2014**

**27<sup>th</sup> November 2014**

The Study Circle Meeting was held on 20<sup>th</sup> November 2014 at 2 PM in the Silver Jubilee Hall under the chairmanship of Dr. M. Anandaraj, Director. All the study circle members attended the meeting.

In the meeting the following abstracts (Placrosym XII) were discussed,

**Contribution No 796:** Targeted discovery of R genes in Black pepper-*P.Capsici* Interaction. P.umadevi, EJ Suraby, Rosana Babu, M.Anandaraj & Johnson K George. The abstract was accepted. Chairman suggested reducing the contents in poster.

**Contribution No 797:** Is there host and location specificity for *Trichoderma* strains? - A case study with black pepper K. Sreejaand M. Anandaraj. The abstract was accepted.

**Contribution No 798:** Biodiversity and community analysis of nematodes associated with black pepper in Idukki District (Kerala), India. Rashid Pervez, Santhosh J. Eapen, T. K. Jacob, S. Hamza and V. Srinivasan. The abstract was accepted. House suggested the authors to modify the title with more clarity.

**Contribution No 799:** Isolation and identification of symbiotic bacterium associated with the entomopathogenic nematode, *Heterorhabditis* sp. (IISR-EPN 01) from ginger rhizosphere. Rashid Pervez, Revathi J., S. J. Eapen, S. Devasahayam and T. K. Jacob. The abstract was accepted.

**Contribution No 800:** Identification and validation of novel and conserved microRNAs from turmeric by stem loop RT-PCR .Santhi R., Mashood K.K., and Sheeja T. E. The abstract was accepted. The chairman insisted the authors to acknowledge DISC for its contribution in the poster.

**Contribution No 801:** Biological activity and characterization of a nucleopolyhedrosis virus infecting Bihar hairy caterpillar *Spilarctia obliqua* walker on turmeric .C. M. Senthil Kumar, T. K. Jacob, Sharon D'Silva, K. Jinsha Jaleel and S. Devasahayam. The abstract was accepted.

**Contribution No 802:** Field evaluation of natural products and insecticides for their bio-efficacy against Cardamom thrips (*Sciothrips cardamomi*) Ramk. (Thysanoptera: Thripidae) T.

K. Jacob, C. M. Senthil Kumar, Sharon D'Silva S. Devasahayam, H. R. Ranganath E. S. The abstract was accepted.

*Evaluation of Trichoderma isolates against rhizome and root rot pathogens in small cardamom. Praveena, R Biju. C.N and Sujatha, A.M. Not presented. It will be taken up in next meeting.*

**Contribution No 803:** Integration of traditional knowledge in the design and development of harvest and post harvest operations in plantation crops and spices. K.M.Prakash, P.S.Manoj, B.Sasikumar and T.Arumuganathan . The abstract was accepted. The house insisted the authors to validate the performance of the drier before endorsing it by KVK.

**Contribution No 804:** Wealth from waste- recycling of coconut inflorescence into value added product Kera bouquet. Deepthi.A. The abstract was accepted. She was advised to replace the words “Pollution, scientific way” in her abstract with appropriate terms to express the advantages of value added Kera bouquet in the poster.

**Contribution No 805:** Biochemical Analysis of Garcinia exudates. O.P. Nandakishore and Utpala Parthasarathy. The abstract was accepted.

**Contribution No 806:** Effect of Steam Pressure and Cooking Duration on Drying Characteristics and Quality of Cured Dried Turmeric. E.Jayashree, N.K. Leela and T. John Zachariah. The abstract was accepted.

**Contribution No 807:** Effect of High Temperature Storage on Culinary and Medicinal Properties of Black Pepper Powder (Piper Nigrum). Sumi Sara Paul, E. Jayashree and John Zachariah T. The abstract was accepted.

**Contribution No 808:** Development of extrudates from cassava flour blended with black pepper and optimization of extruder parameters for extrusion processing. Dennis Abraham George, E. Jayashree. J.T. Sheriff and TJohn Zachariah. The abstract was accepted.

**Contribution No 809:** Mineral Oil Adulteration in Black Pepper- Effect of Solvent Washing on its Quality Aiswariya P, E. Jayashree, N.K Leela and T. John Zachariah. The abstract was accepted. The house suggested the authors strictly not to include the TLC results in the poster as it would convey wrong conclusion.

**Contribution No 810:** Biochemical responses of black pepper to infestation by burrowing nematode, Radopholus similis. Santhosh J Eapen, PB Krishna, A Shamina and RR Nair. The abstract was accepted.

**Contribution No 811:** Microbial conversion of dry black pepper and fresh green pepper to value added white pepper (*Piper nigrum* L). E.Jayashree, Suseela Bhai, Divya CD and T. John Zachariah. The abstract was not accepted. The house decided not to display the posters on white pepper production in the PlacrosymXII.

**Contribution No 812:** Pre-split harvest and 2-Chloroethylphosphonic acid treatment to prevent aflatoxin contamination in nutmeg. K.S. Krishnamurthy, J. Rema and M. Anandaraj. The abstract was accepted.

**Contribution No 813:** Effect of different types of mulches including plastic on growth and yield of ginger. Thankamani,C.K. Kandiannan,K Hamza, S and Saji.K.V. The abstract was accepted.

**Contribution No 814:** Large cardamom –a spatial appraisal. Utpala Parthasarathy, A. K. Vijayan, K .Jayarajan and K.Nirmal Babu. The abstract was accepted.

The chairman decided to have the other listed papers on 21-11-14 at 2.30PM.

The meeting came to an end at 6 pm.

This has the approval of the Director.

Secretary,

Study Circle.

