

**Indian Institute of Spices Research
Kozhikode, Kerala.
Proceedings of Study Circle, 30th October 2015**

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13th November 2015

The Study Circle Meeting was held on 30th October 2015 at 2.45 PM in the Silver Jubilee Hall under the chairmanship of Dr. M. Anandaraj, Director. All the Study Circle members attended the meeting.

After the introduction of Ms. R. Sivaranjani, Scientist (Biochemistry) to the house the following items were discussed.

PhD Synopsis (University of Calicut): Diversity and characterization of curcumin biosynthetic genes and transcription factors from *Curcuma Spp* – P. Prashina Mol, under the guidance of Dr. T. E. Sheeja. The synopsis was approved.

Contribution No 841: Economic analysis on farming and marketing of ornamental fishes in South India – A case study - B. Pradeep, P. Ratha Krishnan & Lijo Thomas. The paper was approved.

Contribution No 842: Floral diversity in monoecious nutmeg (*Myristica fragrans* Houtt.) – Aarthi S, J. Rema, B. Sasikumar, K.V. Saji & M. Anandaraj. The paper was approved for presenting in International Symposium on Next generation Approaches for Sustainable Development of Hill and Upland horticulture to be held in Central University, Sikkim during 5th-7th November 2015. House suggested Ms. Aarthi to denote as first report on hermaphrodite flower structure not as first report on hermaphrodite flowers in Nutmeg.

Contribution No 843: Microbial community dynamics of black pepper rhizosphere upon inoculation with *Trichoderma harzianum* - P. Umadevi & M. Anandaraj* & Vivek Srivastav. The paper was approved. Chairman instructed her to acknowledge DISC for the data analysis in the manuscript.

Contribution No 844: Endophytic interaction of *Trichoderma harzianum* MTCC 5179 with black pepper (*Piper nigrum* L.) - P. Umadevi & M. Anandaraj*. The paper was approved.

Contribution No 845: Application of proteomics for elucidating drought response in black pepper (*Piper nigrum* L.) – P. Umadevi, KS. Krishnamurthy, M. Anandaraj & Mincy T Johnson. The paper was approved for presenting in International Symposium on “Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture” to be held in Central University, Sikkim during 5th-7th November 2015.

Contribution No 846: Objectives and Strategies for Development of Horticulture in North eastern Hill Region- Programmes, Status and Priorities – P. Rajeev & PC. Sanil. The paper was approved for presenting in International Symposium on “Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture” to be held in Central University, Sikkim during 5th-7th November 2015.

The chairman declared to have the technical Seminar - Climate change, adaptation and mitigation by Dr. V. Srinivasan in the next meeting.

The meeting came to an end at 5.45 PM

This is issued with the approval of the Director.
Secretary, Study Circle.