

**Indian Institute of Spices Research**  
**Calicut, Kerala**  
**Proceedings of the Study Circle, 4 January 2010**

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F.No.IISR/SCM-C/ 2010

Dt. 6 January, 2010

**The Study Circle meeting was held at 2.30 pm in the Silver Jubilee Hall under the chairmanship of Dr.V.A. Parthasarathy, Director, IISR. One Ph.D. synopsis and four research articles were presented in the study circle**

The Ph.D.Synopsis “Defense gene expression analysis in *Piper colubrinum* Link challenged with *Phytophthora capsici* Leonian. ” By I P Vijesh Kumar was approved. He was asked to prepare 6 months break up of work.

**Contribution No 530** . “Ginger seed sett weight and number of sprouts on sucker production, clump yield, multiplication rate and relationships” by K Kandiannan, C K Thankamani, K N Shiva and P A Mathew was accepted with the following modifications. The title should be revised and more statistical tests may tried to justify the relationships .

**Contribution No 531:** “Ginger Phenology and Growing Degree Days - a Tool to Schedule Cultural Operations” by K Kandiannan, Utpala Parthasarathy, K S Krishnamurthy, and V Srinivasan was accepted. Director suggested that the application aspect should be checked with field experiments using the data.

**Contribution No 532** “Effect of different media on seed germination, seedling growth and vigour of nutmeg (*Myristica fragrans* Houtt.)” by K Abirami, J Rema, P A Mathew, V Srinivasan and S Hamza was accepted.

**Contribution No 533** " Intercropping of tuber and fodder crops in juvenile black pepper garden" by C K Thankamani, K Kandiannan, M S Madan, S Hamza and K S Krishnamurthy was approved. In connection with this, Director stressed the need and importance of practicing the new technologies in the field. The different technologies developed may be consolidated and published as package of practices. Demonstration of the new technologies may be arranged at KVK, Peruvannamuzhi.

The meeting came to an end at 3.45 pm

(C.K.Sushama Devi)  
Secretary, Study Circle