

**Indian Institute of Spices Research
Calicut, Kerala
Proceedings of the Study Circle 06 October 2010**

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A special Study Circle meeting was held in connection with IPS Symposium (22-23 Oct. 2010) at 10.30 am in the Silver Jubilee Hall under the chairmanship of Dr. V.A. Parthasarathy, Director, IISR.

The following six posters and two Ph.D. works for M J Narasimhan Award Contest were presented in the study circle.

Poster presentation

1. **Contribution No 566:** “Effect of consortium of bioinoculants in vermicompost towards plant growth and disease suppression in black pepper.” by Suseela Bhai R, Lamya Moideen, Sangeeth K.P, Sreeja K and Eapen S J was accepted with the following modifications. She has to revise the statistical analysis part using CRD instead of RBD. She was advised to verify the result under long term application. The experiment should be tried using other organisms also.
2. **Contribution No 567:** “Metalaxyl-mancozeb sensitivity of *Phytophthora capsici* isolates from Black pepper (*Piper nigrum* L.).” by Vinitha K. B., Anandaraj M. and Suseela Bhai R was approved. Ms. Vinitha was advised to use correlation test also for the statistical analysis.
3. **Contribution No 568:** “Isolation of endophytic fungi from black pepper (*Piper nigrum* L.) and evaluation for their biocontrol potential against *Phytophthora capsici*.” by Sreeja K, Anandaraj M, and Suseela Bhai R was accepted. Ms Sreeja was asked to modify isolation table specifying location variation.
4. **Contribution No 569:** “Characterization of the virus associated with chlorotic streak - a new disease of cardamom in India.” by Siljo A, Bhat A.I, Biju C.N and Venugopal M.N. was approved. Director advised that the report of the new disease should be communicated to Spices Board, the principal Agricultural Officers, Idukki and Wynad, and Kerala Agricultural University.

5. **Contribution No 570:** “Isolation and characterization of rhizobacteria from ginger (*Zingiber officinale* Rosc.) for biocontrol and growth promotion by Bini, Y.K., Aravind R, Anandaraj M, Kumar A and Dinesh R. was approved.
6. **Contribution No 571:** “Endophytic bacteria from ginger (*Zingiber officinale* Rosc.): A potential source of antagonists against soft rot and bacterial wilt.” by Bini, Y.K, Kumar A, Aravind R and Anandaraj M was approved. In this connection Director instructed Ms Bini to conduct field trials using solarised rhizomes. She was asked to replace the term ‘germination’ with ‘sprouting’ in her paper.
7. **Contribution No 572:** “Pseudomonas sp. as bacterial antagonists against *Aspergillus* Flavus.” By Sindhu S, Suseela Bhai R, and Chempakam B was approved. Director suggested Dr. Chempakam to explore the possibility of commercializing their findings.

M J Narasimhan Award Contest

8. **Contribution No 573:** “Development of Agrobacterium mediated transformation protocol and transgenic lines of black pepper for resistance against viruses.” By Jiby M.V and Bhat A.I was approved. Ms. Jibi has to reduce the number of slides and increase the number of pictures.
9. **Contribution No 574:** “Development and Formulation of Effective Biofertilizers for Management of Black Pepper and Cardamom.” By Sangeeth K P and Suseela Bhai R was approved with the following modifications. He has to improve his presentation with the increased font size and reducing the number of Slides. He was advised to do trial experiments in bush pepper fields.

Director appreciated the presentations by Ms. Bini, and Ms. Sindhu and advised them to appear for M J Narasimhan Award Contest .

The meeting came to an end at 12.45 pm.

Dr. C.K.Sushama Devi
Secretary, Study Circle