

ICAR-Indian Institute of Spices Research
Marikunnu PO, Kozhikode 673012, Kerala

PROCEEDINGS OF STUDY CIRCLE MEETING HELD ON 21 March 2022

The study circle meeting (online) was held on 21 March 2022 at 2.30 PM under the chairmanship of Dr. J. Rema, Director.

A. Presentation of research papers

1. **Contribution No. 1054:** Rainfall Variability and Probability Analysis for Identifying Planting Season at High Rainfall Tract of Northern Agro-Climatic Zone of Kerala by Dr. K. Kandiannan, Division of Crop Production.

The paper was approved.

2. **Contribution No. 1055:** Microbial encapsulation technology: An emerging game changer in disease management of ginger by Dr. Praveena Ravindran, Division of Crop Protection.

The paper was approved.

3. **Contribution No. 1056:** Direct *in vitro* regeneration of medicinally important Indian and exotic red ginger (*Zingiber officinale* Rosc.) and genetic fidelity assessment using ISSR and SSR markers by Ms. Neenu Maria George, Division of Crop Improvement & Biotechnology.

The paper was approved.

4. **Contribution No. 1057:** Haplotype analysis indicates genetic diversity in *Phytophthora* species infecting black pepper by Ms. Fathimath Zumaila, Division of Crop Protection.

The paper was approved. The house suggested to modify the title of the paper.

5. **Contribution No. 1058:** Evaluation of fungicides for actinomycete activity against *Phytophthora* spp., the incitant of foot rot in black pepper by Ms. C. S. Karthika, Division of Crop Protection.

The paper was approved.

6. **Contribution No. 1059:** Rapid on-site detection of piper yellow mottle virus infecting black pepper by recombinase polymerase amplification - lateral flow assay (RPA-LFA) by Ms. M. Greeshma, Division of Crop Protection.

The paper was approved.

7. **Contribution No. 1060:** Role of *Trichoderma* spp. in mitigating moisture stress in black pepper (*Piper nigrum* L.) through antioxidative defence system by Ms. Vijayasanthi K. V, Division of Crop Protection.

The paper was approved.

(Sharon Aravind)
Secretary, Study Circle