

RFRI CONDUCTS MONTHLY SEMINAR

Rain Forest Research Institute, Jorhat (Assam) conducted a Seminar on 29th July, 2020 with limited participation of Officials due to COVID-19 situation. The Seminar was also made available on virtual platform (Google Meet App) for those Officials who could not attend the Seminar physically due to restriction. The Speaker of the Seminar was Dr. Krishna Giri, Scientist-C, RFRI, Jorhat, who delivered the presentation on '**Role of Plant Growth Promoting Rhizobacteria and Biofertilizers in Agriculture and Forestry**'. Twenty seven Officials participated in the Seminar.

At the outset, Dr. R. S. C. Jayaraj, Director welcomed the Speaker with a traditional *Phulam Gamosa* and briefed about the role of microorganisms in every sphere of human life. He highlighted the great role being played by infinitely small organisms on the Earth.

Dr. Giri made a detailed presentation on different types of plant growth promoting rhizobacteria (PGPR) and their beneficial effects on plant/ crop growth and development. Besides, the mechanism of bio-fertilization, bio-stimulation and bio-control by soil beneficial micro flora i.e. (PGPR) through plant microbe interaction in different ecosystems were demonstrated through illustrative diagrams. The presentation also covered the criterion of strain selection, formulation, testing and commercialization of bio-fertilizers using elite PGPR bacteria, scope and importance for enhanced crop production and environmental safety. In addition to the basic and applied aspects of PGPR and Biofertilizers for Agriculture and Forest plantation programmes, the current scenario of Global and Indian bio-fertilizer market potentials were also discussed with latest data.

Presentation was followed by discussion among the scientists, technical officers and research scholars present. Director, RFRI urged the scientists working on soil microbiology to develop effective PGPR consortia and biofertilizer formulations for farmers, tree and bamboo growers so that the products can be provided to them at the time of distribution or sale of tree seedlings and bamboo planting material by the Institute.

The seminar ended with formal vote of thanks by Shri R. K. Kalita, Head, Extension Division and Training Coordinator, RFRI, Jorhat.

GLIMPSES OF SEMINAR



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