RAMAIAH
College of Arts, Science & Commerce

Department of Microbiology

Value added course- Biofertilizer Production Technology

From 9th June, 2022

About the course:

The unselective use of synthetic chemical fertilizers during past four decades for increasing the agricultural yield has affected soil fertility, the water retention capacity and micronutrients content in the soil. Hence, the concept of biofertilizers is being promoted all over the world. The biofertilizers nothing but tiny beneficial microbes that enhances availability of plant nutrients to host plant and protect plants from pathogen challenges when applied. Application of biofertilizers is being advocated by the environment for sustainable agriculture. However, both availability and quantity with quality biofertilizers is confined to limited areas. Besides, there is a need to popularize the biofertilizer use among the farmers. In spite of the efforts, well trained skilled manpower to start-up small biofertilizer production units is not much available in the country. In this regard we have proposed to start this skill development certificate course.

Objectives:

- To promote organic farming in the region through technical capacity building of all stake holders
- To facilitate the students to understand basics of biofertilizers
- To impart training to develop skill both handling, cultivation and propagation of quality microbial inoculants
- To make students ready for industry as entrepreneurs
- To improve the professional competencies and upgrade the knowledge and develop technical skills of biofertilizer production

Eligibility:

- Start-up entrepreneurs willing to undertake biofertilizer business
- UG/PG Students looking forward to research and development work in biofertilizer industry after completion of program

Course duration: 3 months (30 hours)

Registration : Free

Registration Link: https://forms.gle/UfnmRdjM76bDF1fo7

Plan of action:

- The course has been designed taking the inputs from experts from industries of various domains.
- The course will be conducted both online and offline mode (Hands on skills).
- Guest Lectures by Industrial experts and successful entrepreneurs..
- Hands-on practical exposures, case studies, industrial visits and live project works.

Course outcome:

- Understand the role of microorganism in improving the fertility of soil and also in control the pest and other pathogens.
- Will know the techniques involved in mass production, quality control and application of Bioinoculants in organic farming
- Students will have an opportunity to work in research laboratory, biofertilizer industry and can also be an bio-entrepreneurs.

Course Coordinators: Dr. Pushpa. H, Professor and HOD, Microbiology Department
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