CARRIER GUIDANCE TO FINAL YEAR BIOTECHNOLOGY AND MICROBIOLOGY STUDENTS

Event Date : 28/12/2021

A general talk regarding higher education opportunities in biotechnology and microbiology by G.P. Chakravarthi, Lecturer In-charge, Dept. of Biotechnology and Dr. B.Lakshmi, Lecturer In-Charge, Dept. of Microbiology.

Lecture in Faculty Forum

Event Date : 05/02/2022

A General talk on Awareness of COVID in Faculty forum, P.R. Government College.

SCIENCE DAY CELEBRATIONS

41 projects were exhibited by the students on various topics in Biotechnology. Prizes were given to the best projects. The Departmental in-charge Sri G.P. Chakravarthi acted as convener for the exhibition.

Participation in Capacity building programme for faculty on Blended Teaching – Learning – Practical Approach

Event Date : 21st and 22nd March 2022

A Report on Industrial Tour
Bio-Fertilizer Unit
Samalkot

APRIL 26 2022

Department of Biotechnology & Micro biology
PRGC (Autonomous) Kakinada

Industrial Tour to Bio Fertilizer Unit

Hosts of the Tour:
G.P Chakravarthi- HOD Department of Bio- Technology
G.N.V Satish- Lecturer, Department of Bio-Technology
Ch. Niharika- Lecturer in Microbiology
Total Number of Participants: 40

Guides and Instructors
Agricultural Officer : Ms.M.Padmasri
Microbiologist : Ms. Aruna

Our sincere thanks to the Principal of PRGC " Mr. BV. Tirupanyam" , the IQAC coordinator, "Mr. P. Hari Rama Prasad" and the academic coordinator "Dr. Chenna Rao" for providing support and assistance.

The Bio Fertilizer Unit Samalkot, enhances the nutrient availability for plants by producing Bio Organic fertilizers, nitrogen fixers and phosphate solubilizers.

“To acquire knowledge one must study , but to acquire wisdom one must observe.”

Fig 2: The AO of the Bio -Fertilizer Unit is explaining the role of fermenters in Bio- Fertilizer production.
Fig : 3; The AO of the Bio -Fertilizer Unit is explaining the importance of Bio Fertilizers in Organic Farming

Nitrogen Fixers- An explaination

Culturing Metods - Bio Fertilizers Explaination

Orbital Shaking

Fermentor Room

Culture Room

Fig 4,5 : Explanations

Fig 6,7,8: Facilities at the Unit

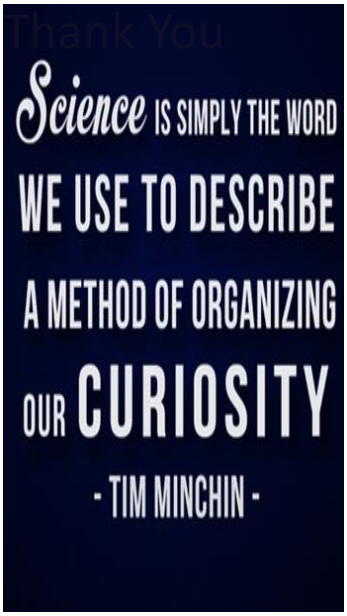
The Summary of the Bio- Fertilizer Unit:

Fig 9 : The Bio Fertilizer Unit Samalkot, produces and markets the above Fertilizers.

Fig 10 : The Geotagging Picture

'"Thanks to the Guides and Instructors for enriching the students with the valuble inputs"

The end of an enriching experience:



A report on Industrial visit to Water filtration Unit, Kakinada

August 3rd 2022

Department of Microbiology and Biotechnology
P.R. Government College (A), Kakainada

Industrial Visit to Water Filtration Unit

Hosts of the Tour:

Dr. B. Lakshmi- HOD Department of Microbiology

G.P Chakravarthi- HOD Department of Bio- Technology

G.N.V Satish- Lecturer, Department of Bio-Technology

Total Number of students - 52

Our sincere thanks to the Principal of PRGC " Mr. BV. Tirupanyam" , the IQAC coordinator, "Dr. B. Elia" and the academic coordinator "Dr. ChennaRao" for providing support and assistance.

About the Unit

The municipal water filtration unit in Kakinada is mainly concerned with the filtration and disinfection of the water and supplies to the whole city.

Fig: 1 Source of water supply from Salmalkot

Fig: 2 Primary filtration site

Fig: 3 & 4 students at the site of Primary filtration unit, following the explanation of the process by the instructors

Fig: 5 & 6 Explanation of the Filtration process through slow sand filters and rapid sand filters

Fig: 7 Chlorine cylinder for chlorination of water (chlorine pumped through the pipes to the filtered water for disinfection)

Fig: 8 Chlorinated water stored in the tanks for checking the ppm of Chlorine before supply

Fig: 8 Valve for pumping filtered water into large storage tanks

Fig: 9 Filtered water ready for distribution in the city

Thank you for the Practical learning