

**A.S.D Govt. Degree College For  
Women (A), Kakinada**

**Department of Microbiology**



**Study Tour/field Trip**

**Biocontrol Laboratory, Kakinada**

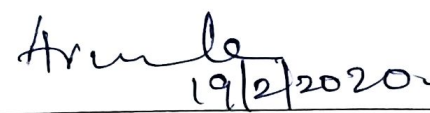
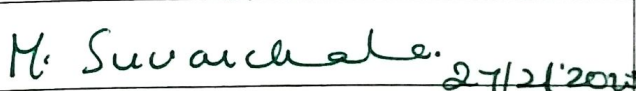
**February 19<sup>th</sup> 2020**

# A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A)

Jagannaickpur, Kakinada

## WOMEN EMPOWERMENT CELL

### Activity Register 2019-2020

|   |  |
|---|--|
| Date  | 19-02-2020   |
| Conducted through<br>(DRC/JKC/ELF/NCC/NSS/<br>Departments etc.) | Microbiology   |
| Nature of Activity<br>(Seminar/Workshop/Extn.Lecture etc.,)     | Study Tour /Field Trip   |
| Title of the Activity   | Study tour to Biocontrol Laboratory  |
| Name of the<br>Department/Committee                             | Microbiology   |
| No. of students participated                                    | III BSc CBMB12   |
| Brief Report on the activity                                    | <p>Smt. P. Swathi, Additional Director, Biocontrol laboratory, Kakinada explained the Biological control: Biocontrol is a method of <u>controlling of plant disease using other organism</u>, pests such as <u>insects, mites and weeds</u>. It relies on <u>predation, parasitism, herbivory</u>, or other natural mechanisms, but typically also involves an active human management role. It can be an important component of <u>integrated disease &amp; pest management</u> (IPM) programs. Students got the information on mass multiplication of both bacterial (P.fluorescens) and fungal (Trichoderma) bioagents under laboratory condition. Preparation of powder formulations of bioagents for field application.</p> |
| Name of the Lecturers who Planned & conducted the activity      | Dr.K.Aruna   |
| Signature of the Dept. In-Charge/Convener of the Committee      | <br>19/2/2020  |
| Signature of the Principal                                      | <br>27/2/2020  |
| Remarks   |  |



# Study Tour

19-02-2020



Visited Biocontrol Laboratory, Department of Agriculture, Kakinada.



To  
The Principal  
A.S.D. Govt. Degree College (W) Autonomous  
Kakinada  
East Godavari (Dist.)

Respected Madam

Sub:-Department of Microbiology - III B.Sc CBMB - Study Tour – Biological Control  
Laboratory, Department of Agriculture, and Kakinada – Permission – Request –  
Regarding.

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The Department of Microbiology has planned a Study tour to Biological Control  
Laboratory, Department of Agriculture at Kakinada for III B.Sc CBMB students on 19-02-20  
afternoon. Since our final students have Biofertilizers and Biopesticide paper in Microbiology  
and study tour is a part of the Curriculum. Hence I request you to kindly permit our students to  
visit Biological Control Laboratory on 19-02-20 afternoon.

Thanking you Madam

Yours Sincerely

*[Handwritten Signature]*  
4 Microbiology  
18/2/2020

*[Handwritten Signature]*  
18/2/2020



All the students of III-B.Sc [CBMB] were visited Biocontrol laboratory, Department of Agriculture, Kakinada on 19-02-2020

The laboratory produces Tricho Cards and from *Trichoderma viridae* and *Pseudomonas fluorescense* which protect agricultural crops from organisms that would infect and destroy the crops.

One of the staff member of the laboratory explained us the production process of Tricho cards and *Pseudomonas fluorescens* and importance of them. There we observed some equipment used for this process like vertical laminar air flow, fermentor (vertical and horizontal).

We had a very good experience visiting to that laboratory. We got to know all the information of the production process and application of the product in the fields. The Tricho cards are first attached to the leaves of crops and *Pseudomonas fluorescens* are directly added with chalk powder and then added to the crops and seeds. which destroys the various pathogens that causes disease to the plants without causing any disadvantage or harm to crop plants.

- 1) B. Shruya
- 2) K. Mauligani
- 3) P. Rajeswari
- 4) H. Mahalaxshu
- 5) T. Jayalakshmi
- 6) P. Sai Sowjanya
- 7) P. Sai Sandhya
- 8) M. Hymavathi
- 9) Ch. L. Sowjanya
- 10) S. Sarika
- 11) Y. Harithapriya
- 12) P. Sisisha