

SRR & CVR GOVT. DEGREE COLLEGE (A) VIJAYAWADA

DEPARTMENT OF MICROBIOLOGY

2019-2020



**Field Visit to Araku Valley, Visakhapatnam District,
Andhra Pradesh, India**





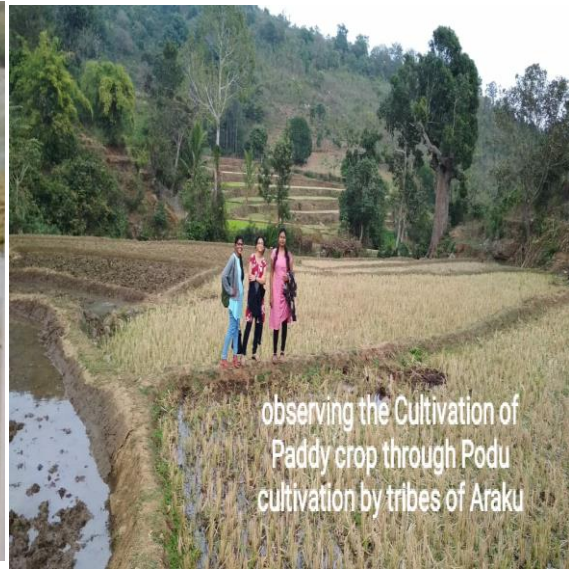
25-01-2019 to 28-01-2019

SRR & CVR GOVT. DEGREE COLLEGE (A) Vijayawada

Department of Microbiology

Activity Register 2018-2019

Date	25-01-2019 to 28-01-2019
Conducted through (DRC/JKC/ELF/NCC/NSS/Departments etc.)	Department of Microbiology
Nature of Activity(Seminar/Workshop/Extn. Lecture etc.,)	Field Visit
Title of the Activity	Field Visit to Araku Vally
Name of theDepartment/Committee	Department of Microbiology
No. of students participated	17 III BSc MBC
Brief Report on the activity	The Department of Microbiology has Organized Field Visit to Araku Valley, Visakhapatnam District, Andhra Pradesh from 25-01-1019 to 28-01-2019. Life below the soil, which is now threatened with erosion for its living, binding element – the microbes. They are being decimated. The focus is on humankind's greatest and oldest friends, the microbes. Hence soil samples are collected to analyse the microbial profile of the Araku Vally.
Name of the Lecturers who Planned & conducted the activity	Dr .D .Jyothi and Mrs Dorcas Anand
Signature of the In- Charge	
Signature of the Principal	



III

BSc MBC Collecting the Soil samples



Microbes exist everywhere – in soil, plants, rivers, and even on and inside the human body. Soil microorganisms, particularly bacteria and fungi affect soil health, plant growth and by consequence the food we consume.

As the world conscience has grown and matured to feel the need to protect the oceans, rivers, animals and other precious inhabitants of the planet above the ground, today, as our knowledge refines itself into the invisible world of microbes, we need to seek justice for the vital contribution of bacteria and fungi for the Earth's future welfare. They are our past partners, our ancestors, our very origin - they are our future too.

MICROBES ARE EVERYWHERE

9/10ths of us comprise of microbes and there are more microbes in a teaspoon of soil than there are people on earth. We are outnumbered and we need to live in harmony with these tiny symbiotic friends of ours.

MICROBES ARE VITAL TO OUR EXISTENCE

Microbes inside the soil are living entities. Short-sighted agricultural practices such as indiscriminate use of chemical fertilisers can deplete soil carbon and starve microbial life. This also effects plant quality and the natural nutrients vital to their healthy existence. In short, plants need a rich microbial soil life to be healthy! And for us to get (nutritious) food.

PLANTS NEED THEM

Think of microbes as a factory where production for the plant's requirement is fulfilled. A nitrogen fixing bacteria, for instance, converts atmospheric nitrogen to available nitrogen that is essential for plant growth. These microbial communities come together to provide important nutrients to the host plant.

Soil microbes are also critical for decomposing organic matter in the soil, ensuring soil nutrients are recycled and replenished. If it wasn't for microbes, our planet would be one big undecomposed garbage heap. Ever wondered what the sweet smell after rains in summer is? It's called petrichor – and comes from microbes!



ACKNOWLEDGEMENTS

We express our deep sense of gratitude to Dr. Velaga. Joshi, Principal SRR & CVR Govt. Degree College Autonomous, and Vijayawada for his support and constant encouragement to upgrade the knowledge of the students.

In Charge Dept of Microbiology

D. Jyothi


Principal



SRR and CVR Govt Degree College (A), Vijayawada

Department of Microbiology

Students Attended

Title of the Activity: Tour to Araku Valley, Visakhapatnam Dist-

Class: B Sc MBC Andhra Pradesh, India.

Date: 25-01-2019 to 28-01-2019

S No	Name of the Student	Signature
1	Gundu. Sai	Sai
2	Matta. Naveen	Naveen
3	Miriyala. Vyshnavi	Vyshnavi.
4	Burugu. Viswas	viswas
5	Dasari. Chandrika	chandraka.
6	Munipalli. Ravi Teja	Ravi Teja
7	Gummapu. Rohit Nanda	Rohit
8	Puppala. Lalitha	Lalitha
9	Gunturu Bhanu Durga Prasad	Durga Prasad
10	Bolisetti. Teja Naga Sai	Teja Naga Sai
11	Puppala. Lavanya	Lavanya
12	Perisetti. Revanth	Revanth
13	Kesarapalli. Pavani	Pavani
14	Dasari. Keerthi	Keerthi
15	Gogulamudi. Surya prakash	Keerthi
16	Guttigunde. Pavithra	Pavithra.
17	Guruvelli. Neeraja	Neeraja.