

DEPARTMENT OF MICROBIOLOGY

This Microbiology course in Govt. degree college for women was introduced in the year -----at UG level English medium to keep in pace with the changing needs a number of new courses were introduced development of research on laboratory

VISION

Department of Microbiology strive to promote the analytical knowledge of the student in accordance with the demand of the present world and bridge the gap between the industries and the education that will equip student and develop the character and develop the character and personality of the student making them complete in integrity and morality.

MISSION

To develop research and communication strategies to fill gaps in knowledge to effectively apply scientific knowledge to early education policy.

To educate and prepare competent, compassionate and ethical professionals from demographically diverse backgrounds through students centred programmes that offer robust syllabus to meet the future scientific needs of the region and nation at large.

OBJEVTIVES

Overall objective of Microbiology Laboratory

The overarching goal for laboratory portion of this course are to teach microbiological techniques and to show students the impact of microbes on our daily lives and their central roles in nature.

The objectives over the course of the semester are to...

- Become proficient at laboratory skills and safety procedure.
- Learn to follow experimental procedure.
- Develop skills to formulate answerable questions/hypothesis, predict expected results.
- Learn how to make careful observations, collect and analyse data, and draw appropriate conclusions.
- Utilize active learning opportunity in the laboratories.
- Demonstrate good lab citizenry and the ability to work with others.

At the beginning of every lab procedure, the instructor will give a lecture which will include pertinent background information, tips on how to perform various laboratory procedures, and other important instructions.

FACULTY:

S.NO	NAME OF THE TEACHER	QUALIFICATION	DESIGNATION	EMPLOYEE ID
1	k.Sunitha	MSc, CSIRNET	Asst. professor	
2	Atiya sultana	MSc, B.Ed.	Lecturer	

STUDENT ACHIEVEMENTS

- MANAVE SCIENTIFIC PLATFORM
- Iffathunnisa sabry participated in research article survey



NCCS
National Centre
for Cell Science

IISER PUNE

Persistent

This is to certify that

IFFATH UNNISA SABRY

Participated In **Manav Scientific Reading and Comprehension Self Assessment Module (Subject Category - Microbiology)** during Sept - Oct 2021.

Prof M. V. Krishna Sastry
Project Co-Ordinator & Principal Investigator, Scientist G
NCCS, Pune

Dr. Nagaraj Balasubramanian
Principal Investigator,
Associate Professor,
IISER, Pune

Dr. Anamika Krishanpal
Principal Investigator,
Senior Domain Specialist,
Persistent LABS, Pune

MANAV
Human Atlas Initiative

HOLISTIC REPRESENTATION OF HUMAN BODY

ACTIVITIES:

Student seminar on biodiversity

Name of the professor: K.Sunitha

Name of the Student: Sandhya Rani

Class: MCBT Sem - II 2021-2022

Description of the Activity:

Sandhya Rani II-sem MCBT has presented a seminar on biodiversity. She has explained levels of bio diversities i.e. Genetic diversity, species diversity and ecological diversity. Her presentation was excellent.



WEBINAR ON FOODBORNE DISEASE

Dr. T.sreelaxmi (principal and chairperson)

Resource person: J.Anitha Kumari Asst.Prof of Microbiology

SR&BGNR Govt. Arts & Science college (A)

Khammam.

Head of the Department (Botany), convenor: K.Sunitha

Department of microbiology and Botany conducted webinar on 08-02-2022 .Our resource person was J.Anitha kumari Asst .Prof of microbiology who gave a lecture on various foodborne diseases and their preventions.

GOVERNMENT DEGREE COLLEGE FOR WOMEN, KARIMNAGAR
AFFILIATED TO SATAVAHANA UNIVERSITY, KARIMNAGAR
ACCREDITED WITH B+ BY NAAC
Invite you to the Extension lecture on
FOOD BORNE DISEASES
Date: 08.02.2022. at 2.00 P.M


DR.T.SREELAXMI
PRINCIPAL & CHAIRPERSON


RESOURCE PERSON
J.ANITHA KUMARI
ASST.PROF OF MICROBIOLOGY
SR&BGNR GOVERNMENT ARTS & SCIENCE
COLLEGE(A)
KHAMMAM


K.SUNITHA
HOD BOTANY, CONVENOR



ORGANIZING COMMITTEE
A.CHANDRA SHEKHAR A.Chandrashekhara, Asst.Prof.of Biochemistry
D.SUJATHA Lecturer in Botany
R.JYOTHIRMAYI Lecturer in Botany
R.SUNITHA Lecturer in Botany

WEBINAR ON ENZYME AND ENZYME KINETICS

Principal and Chairperson: Dr. T.Sreelaxmi

Resource person: Dr.M.Bhagyalaxmi Prof of biochemistry,

Tumkur University, Karnataka

Head of the Department (Botany): K.Sunitha

Department of Microbiology, Botany conducted webinar on 26.11.21, 3.00 p.m. Our resource person was Dr.M.Bhagyalaxmi (prof. of Biochemistry) who demonstrate the different types of enzymes, its functions and enzyme kinetics .she explained about binding affinities of substrates and inhibitors and maximal catalytic rates. She explained about self-catalytic enzymes, cooperative, allosteric enzymes, interfacial & intracellular enzymes and processive

Enzymes



GOVERNMENT DEGREE COLLEGE FOR WOMEN, KARIMNAGAR
AFFILIATED TO SATAVAHANA UNIVERSITY, KARIMNAGAR
ACCREDITED WITH B+ BY NAAC
Invite you to the National Webinar on
ENZYMES KINETICS & REGULATION
Date; 26.11.21. at 3.00 P.M

DR.T.SREELAXMI
PRINCIPAL & CHAIRPERSON

RESOURCE PERSON
DR. M.BHAGYALAXMI
PROF DEPARTMENT OF BIOCHEMISTRY
TUMKUR UNIVERSITY, KARNATAKA

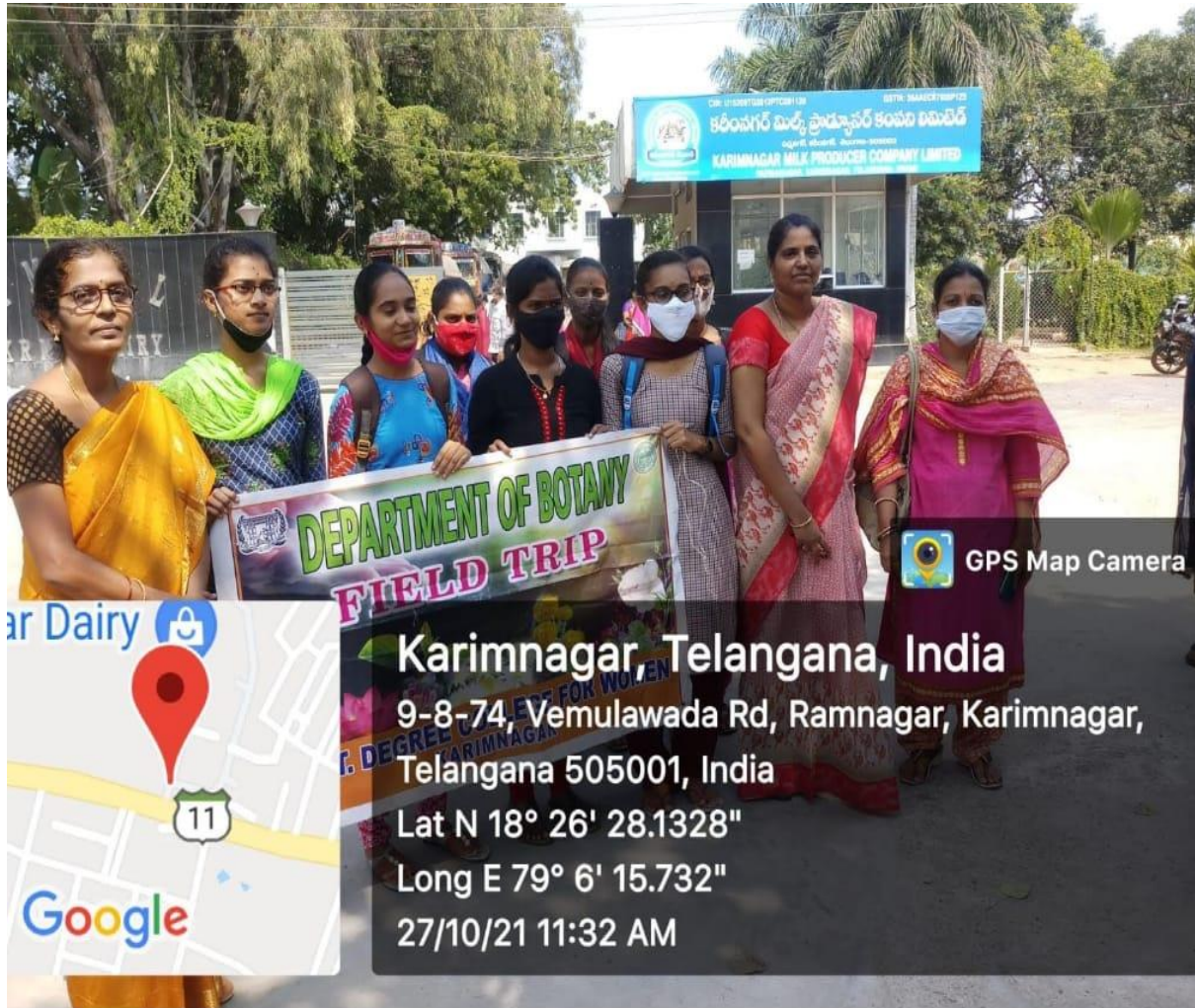
K.SUNITHA
HOD BOTANY, CONVENOR

ORGANIZING COMMITTEE
D.SUJATHA LECTURER IN BOTANY , R.JYOTHIRMAYI LECTURER IN BOTANY , R.SUNITHA LECTURER IN BOTANY

FIELD TRIP TO DIARY FARM

Date: 27.10.2021

An exciting visit to Dairy farm located in Ramnagar (Karimnagar dist.) with students of botany and microbiology department. Where we have seen Milking, the cows were being milked 3.5 minutes each by a machine. We observe various operations of milk processing in the plant.



QUIZ ON ANTIBIOTICS

A quiz has conducted on antibiotics, students of first year of MZBT, MZC, MZAN, and MZCS were actively participated.

National science day 2022

Name of the department: Microbiology

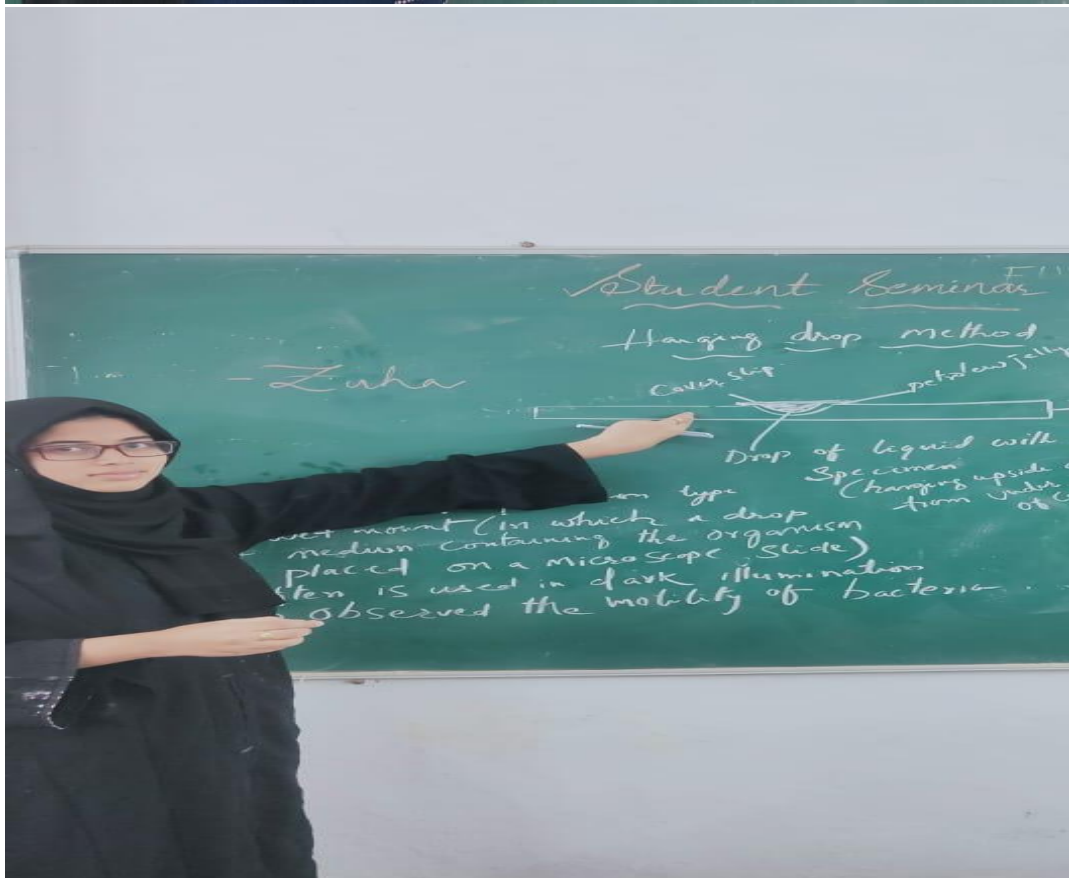
Over 200 students come together to profess their love for science and engage in the simple and fun side of the subject.

● శాతవాహన విశ్వవిద్యాలయం : ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో సోమవారం జాతీయ సైన్స్ దినోత్సవం సందర్భంగా ఆన్లైన్ పదనీ నిర్వహించారు. విద్యార్థినులు జులైరా, హేదా ప్లాంట్ సైన్స్లో ఆధునిక పరిశోధన అంశాలను, గ్రీన్ సైన్స్ గురించి వివరించారు. ప్రెజెంటేషన్ డాక్టర్ . టి. శ్రీలక్ష్మి, పీఠీ శ్రీధర్ రావు, వ్యక్తేశ్వర్లు నిబాగాదిపతి సునీత పాల్గొన్నారు.



STUDENT SEMINAR

Iffathunnisa sabry and zuha from MZC first year has given her seminar on ultra-structure of prokaryotic cell and hanging drop method (motility test). They explain very well



Results: 2019-2020

S.NO		STUDENTS APPEARED	PASSED	%
1	SEMESTER 1	15	15	100 %
2	SEMESTER 2	15	15	100%

Results: 2021-2022

S.NO		STUDENT APPEARAD	PASSED	%
1	SEMESTER 1	14	14	100%
2	SEMESTER 2	14	14	100%

S.NO		STUDENTS APPEARED	PASSED	%
1	SEMESTER 3	15	15	100 %
2	SEMESTER 4	15	15	100%

