

*Telangana Social Welfare Residential Degree  
College for Women, Mancherial,  
Dist. Mancherial*

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Department of Microbiology

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Profile By,

**Kota. Shivaleela** M.Sc., SET, NET, (Ph.D)

HOD, DEPARTMENT OF MICROBIOLOGY, Lecturer in Microbiology

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## Brief analysis

<b>S.NO</b>	<b>PROFILE OF THE DEPARTMENT</b>	<b>RESPONSES</b>
1.	Name of the Department	Microbiology
2.	Year of Establishment	2016
3.	Number of Teachers sanctioned and present position	02 and 02
4.	Number of Technical Staff	Nil
5.	Number of Teachers and Students	0 2/63
6.	Ratio of Teachers to Students	2: 63
7.	The year when the curriculum was revised last	2019
8.	Number of students secured ranks in universities( Last Five years)	20
9.	Success Rate of students (what is the pass percentage as compared to the University avg. )	100%
10.	University Distinction/Ranks (2016-17 onwards Sem wise)	841
11.	Faculty who have Attended National and International Seminars(last five years)	0
12.	Faculty who have Attended number of orientation courses and refresher courses	04
13.	Number of Ongoing projects and its total outlay	2
14.	Number of books in the Departmental Library, if any	6
15.	Number of Computers	1( PERSONAL LAPTOP)
16.	Annual Budget	Nil

## About the Department of Microbiology:

In the year 2016, the college introduced the Department of Microbiology with different combinations at UG level keeping in view the need for strengthening the research. Microbiology is one of the most important and effective subsectors of biology. The Department of Microbiology has been providing an excellent learning platform for science students for more than two years. Present faculty members are the products of this department. With time year, till today admission into UG courses is a great demand. This department is run by two faculty.

- Names of Programmes / Courses Offered: [UG-B.Sc.MZC](#)
- Names of Interdisciplinary courses and the departments/units involved: [ZOOLOGY, CHEMISTRY](#)
- Annual/ semester/choice-based credit system (program wise): [Choice Based Credit System.](#)
- Participation of the department in the courses offered by other departments: [TASK](#)
- Courses in collaboration with other universities, industries, and institutions: [Nil.](#)
- Details of courses/ programmes discontinued (if any) with reasons : [Nil](#)

### Our motto:

**Enable us to make significant contributions to the global effort in combating infectious disease and improving public health.**

### DEPARTMENT INFORMATION:

**Name of the Department: MICROBIOLOGY**

### Present Faculty Contact Details:

Name	Position	Contact Number	E - mail
K. SHIVALEELA	Lecturer	8919004987	
Dr. K GUNASWETHA	Guest Faculty	8106663222	Gunaswetha91@gmail.com


### Number of Teaching posts:

	Sanctioned	Filled
Lecturer	02	02

### Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	No Of Years of Experience	No. of Ph.D. Students guided for the last 4 years
K. SHIVALEELA	M.Sc, AP-SET, CSIR - NET, (Ph.D)	Lecturer	Microbiology	05Years	--
Dr K GUNASWETHA	M.Sc., Ph.D, TSSET	Guest Faculty	Microbiology	03 Years	--

## BioGraphy of the Faculty members

Name of the candidate	K. SHIVALEELA	
Date of Appointment & Date of Joining	02.03.2019 & 04-03-2019	
Date of birth	09-07-1988	
SSC	Completed in 2004 at Hyderabad	
Intermediate	Completed in 2006 at Suryapet	
Under Graduate B.A (HEP)	Completed in 2009 Under Osmania University, Hyderabad	
Post Graduate M.A.(Economics)	Completed in 2012 at Prathibha PG College, Kukatpally, Hyderabad,	
APSET	Qualified in -2015	
CSIR NET	Qualified in Dec-2016	
Address	W/o.K.Balraj, H.No. 2-6-485/15/2/6, Road No:5,Eshwarpuri Colony,Jaipuri coony,Nagole,Uppal,Hyderabad Telangana State - 500068 Cell: 8919004987	
Achivemets	<ul style="list-style-type: none"> <li>➤ Qualified APSET Examination in 2015</li> <li>➤ Qualified CSIR-NET in DEC-2016</li> <li>➤ 1 Research Papers published in International Journals</li> </ul>	



### PROFESSIONAL DEVELOPMENT:

<b>K.SHIVALEELA</b>	<ul style="list-style-type: none"> <li>✿ Participated in Faculty Induction Program at University of Hyderabad from 13.05.2019 to 16.05.2019</li> <li>✿ Participated in I Think Biology Workshop at TSWRDC,W,L.B nagar,HYD from</li> <li>✿ Participated in Faculty Development program through online mode from 15.06.2020 to 30.06.2020</li> <li>✿ Participated in Training program at EPTRI at Gachibowli on 4.03.2024 to 05.03.2024.</li> </ul>
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Name of the candidate	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Dr. Kuraganti Ph.D.</p> </div>  <div style="text-align: center;"> <p>Gunaswetha M.Sc.,</p> </div> </div>
Date of Appointment & Date of Joining	➤ 11.01.2021
Date of birth	20-08-1984
SSC	<b>St. Joseph's Convent High School, Adilabad, Telangana (2006)</b>
Intermediate	<b>Nalanda Junior College, Adilabad, Telangana (2007-2009)</b>
Under Graduate B.Sc., (MBZC)	<b>Govt. Degree College for Women, Adilabad, Telangana (2009-2012)</b>
Post Graduate M.Sc., Microbiology	<b>Department of Microbiology, Kakatiya University, Warangal, Telangana (2012-2014)</b>
TSSET	<b>2016</b>
Ph.D	<b>February 2020 Kakatiya University</b>
Address	<p>H.No: 7-7-68/1 Sridevi Nilayam Vidhyanagar Adilabad, Telangana</p>
Achivemets	<ul style="list-style-type: none"> <li>• Awarded a Ph.D. fellowship from UGC under RAJIV GANDHI NATIONAL FELLOWSHIP FOR SC STUDENTS</li> <li>• Qualified TS SET in 2017</li> <li>• Presented Papers in 7 National and International seminars and Conferences.</li> <li>• Publishes research articles in 11 International Peer-reviewed Journals</li> <li>• Published 5 Book Chapters in Springer Nature.</li> </ul>

## **PROFESSIONAL DEVELOPMENT:**

### **Training Course:**

1. Certificate Course on Molecular Docking held from March 16<sup>th</sup> to April 30<sup>th</sup>, By Biogrademy.
2. Online Skill development programme on Homology Modeling and Molecular Docking held on 16<sup>th</sup> – 17<sup>th</sup> Oct 2022, organized by Quaxon Bio & IT Solutions, India.
3. 3-Day-Hands-on-online training on Molecular Docking conducted by the Centre for Academic Development (CAD, 2020) from 6<sup>th</sup> – 8<sup>th</sup> April 2020.
4. National Short-term Training Course on Animal Cell Culture & Molecular Diagnostic Techniques from 18<sup>th</sup> August –1<sup>st</sup> September 2014 organized by Department of Zoology, Kakatiya University on recognition of DBT, Govt. of India.

### **Faculty Development Program:**

1. Five-Day online Faculty Development Program (FDP) on “Advances in Bioinformatics”, organized by Electronics and ICT Academy, National Institute of Technology Warangal (N.I.T.W) during 10<sup>th</sup> – 15<sup>th</sup> of May, 2021.
2. Five-Day online Faculty Development Program (FDP) on “Advances in Biological Wastewater Treatment: Teaching and Learning Strategies”, organized by the Department of Biotechnology in association with the Teaching Learning Centre, National Institute of Technology Warangal (N.I.T.W) during 07<sup>th</sup> – 11<sup>th</sup> of September, 2020.
3. One-week Faculty Development Program (FDP) on " Statistics and Data Analysis for Engineers and Researchers" from 27<sup>th</sup> May to 1<sup>st</sup> June 2019 organized by the E&ICT Academy, National Institute of Technology (NIT), Warangal, India.

### **Workshops:**

1. One month International Workshop on Genome Informatics 2023 from 17<sup>th</sup> June to 15<sup>th</sup> July 2023 organized by Decode Life and Ensembl Outreach Team (EMBL-EBI) United Kingdom.



2. One-month International Workshop on Genomes to Pathways conducted between 3<sup>rd</sup> December to 21<sup>st</sup> December 2022 by Decode Life.
3. One-month International Workshop on Drug Discovery and Development conducted between 21 May to 15 June 2022 by Decode Life.
4. 1-Week-Hands workshop on Human/cancer culture Techniques MTT Assay - Duration: 17<sup>th</sup> June 2019 to 23<sup>rd</sup> June 2019 held at International Centre for Stem Cell Cancer and Biotechnology (ICSCCB), Pune, India.
5. National Workshop on Tuberculosis Diagnosis Hands-on Technical Training from 7<sup>th</sup> to 9<sup>th</sup> January 2019 at Sri Shivani College of Pharmacy, Warangal.
6. National Workshop on Bioinformatics and Sequence Analysis organized by the Department of Zoology, Kakatiya University on April 26-28, 2018, Warangal, India.

#### **Seminars/ Conferences:**

1. National Seminar on “Recent Innovations in Health and Life Science Research” organized by the Department of Zoology & Biochemistry, Kakatiya University, Warangal from 24<sup>th</sup> and 25<sup>th</sup> February 2023.
2. National Webinar on “Past Present and Future of Fermentation” organized by the Department of Microbiology TSWRDC(W) Mahendrahills Hyderabad, Telangana in association with Microbiologist Society of India on International Microorganism Day, 17 September 2021.
3. **Conducted** a National Webinar on the Basics of Writing a Research Proposal and Research Paper on 5<sup>th</sup> March 2021 organized by the Department of Microbiology, TSWRDC (W) Mancherial, Telangana, India.
4. National conference on Molecular Biotechnology organized by the Department of Biotechnology, National Institute of Technology Warangal, during the 4<sup>th</sup> and 5<sup>th</sup> of January, 2019.
5. National Seminar on Recent Trends in plant disease diagnosis and Control with reference to Central India on 1<sup>st</sup> and 2<sup>nd</sup> December 2018 organized by the Department of Microbiology, Kakatiya Univerisity, Warangal, India.

6. National Seminar on Recent Trends in Plant Disease Management on 28<sup>th</sup> December 2018 organized by India Phytopathological Society Central Zone IARI, New Delhi
7. International Conference on Advances in Disease Management for Human Welfare from 21<sup>st</sup> to 23<sup>rd</sup> November 2017 organized by Gulbarga University, Kalaburagi, Maharashtra, India.

**Department Workload Particulars ( 2022-23 Onwards)**

<b>Name of the lecturer</b>	<b>Year</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
<b>K Shivaleela</b>	<b>II yr</b>	<b>4</b>	<b>6</b>	<b>10</b>
	<b>III yr</b>	<b>4</b>	<b>6</b>	<b>10</b>
<b>Total Work load</b>		<b>8</b>	<b>12</b>	<b>20</b>

<b>Name of the lecturer</b>	<b>Year</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
<b>Dr. K Gunaswetha</b>	<b>I yr</b>	<b>4</b>	<b>6</b>	<b>10</b>
	<b>II yr</b>	<b>4</b>	<b>6</b>	<b>10</b>
	<b>III yr (G.E)</b>	<b>4</b>	<b>0</b>	<b>8</b>
<b>Total Work load</b>		<b>12</b>	<b>12</b>	<b>24</b>

## Dept. of Microbiology TIME TABLE: 2019-2020

Day	Year	9am-10am	10am-11am		11.15am-12.15pm	12.15pm-1.15pm		2.15pm-3.15pm	3.15pm-4.15pm
<b>Monday</b>	I	Microbiology		Snack Break			Lunch Break		
	II							Microbiology	
	III				Microbiology				
<b>Tuesday</b>	I	Microbiology		Snack Break	M2, C1 -5 (Practical)		Lunch Break		
	II							Microbiology	
	III	M2, C1 -5 (Practical)			Microbiology				
<b>Wednesday</b>	I			Snack Break		Microbiology	Lunch Break		
	II							Microbiology	
	III	Microbiology							
<b>Thursday</b>	I	Microbiology		Snack Break			Lunch Break		
	II		Microbiology						
	III							Microbiology 6	
<b>Friday</b>	I			Snack Break			Lunch Break		
	II					Microbiology Practical			
	III	M2, C1 -6 (Practical)						Microbiology 6	
<b>Saturday</b>	I			Snack Break			Lunch Break		
	II								
	III							Microbiology 6	

**Dept. of Microbiology TIME TABLE: 2020-2021**

Hour / Day	Class / Group	1st (10.00-10.40)	2nd (11.00-11.45)	3rd (12.00-12.45)	4th (2.00 - 2.45)	5th (3.00.-3.45)
<b>Monday</b>	MZC III		M.Bio (Shyamala)			
	MZC V			M.Bio (Shyamala)		M.Bio (Shivaleela)
	MZC VI					M.Bio (Shivaleela)
<b>Tuesday</b>	MZC III		M.Bio (Shyamala)			
	MZC V		PHH (Shivaleela)	M.Bio (Shyamala)		M.Bio (Shivaleela)
	MZC VI	M.Bio (Shyamala)				
<b>Wednesday</b>	MZC III		M.Bio (Shyamala)			
	MZC V			M.Bio (Shyamala)		M.Bio (Shivaleela)
	MZC VI	M.Bio (Shyamala)				
<b>Thursday</b>	MZC III	M.Bio (Shyamala)				
	MZC V			M.Bio (Shyamala)		
	MZC VI					
	BA VI		PHH (Shyamala)			M.Bio (Shyamala)
<b>Friday</b>	MZC V			M.Bio (Shyamala)		M.Bio (Shivaleela)
	MZC VI	M.Bio (Shyamala)				
	BA VI		PHH (Shyamala)			
<b>Saturday</b>	MZC III	M.Bio (Shyamala)				
	MZC V			PHH (Shyamala)		M.Bio (Shivaleela)
	MZC VI					M.Bio (Shyamala)
	BA VI		PHH (Shyamala)			

## Dept. of Microbiology TIME TABLE: 2021-2022

Hour / Day	Class / Group	1 IH 9.00-10.00	2nd IH (10.00-10.50)	3rd IH (11.10-12.00)	4th IH (12.00 -12.50)	5th (2.00- 2.50)	6th (2.50 -3.40)	
<b>MONDAY</b>	MZC I	Dr.GUNA SWETHA(micro) LAB				GUNASWETH A (MICRO)		
	MZC II	SHIVALEELA (MICRO)					SHIVALEELA(MICRO) LAB	
	MZC III		SHIVALEELA (MICRO)	GUNASWETHA (WRM/ PHH)				
<b>TUESDAY</b>	MZC I	GUNASWETHA (MICRO)		Dr.GUNA SWETHA(micro) LAB				
	MZC III	SHIVALEELA(MICRO) LAB						
	MZC V		GUNASWETHA (WRM/ PHH)					
<b>WEDNESDAY</b>	MZC I	GUNASWETHA (MICRO)						
	MZC III	SHIVALEELA (MICRO)						
	MZC V		SHIVALEELA (MICRO)			SHIVALEELA (MICRO)		
	MPC V		GUNASWETHA (WRM/ PHH)					
<b>THURSDAY</b>	M.P.C-I			BREAK				
	MZC I				Dr.GUNA SWETHA(micro)	GUNASWETHA( EVS)	GUNASWETH A(EVS)	
	MZC III		SHIVALEELA (MICRO)					
	MZC V				SHIVALEELA LAB(MICRO)			
	MPC V		GUNASWETHA (WRM/ PHH)					
<b>FRIDAY</b>	M.P.C-I					GUNASWETH A(EVS)		
	MZC I						GUNASWET HA(EVS)	
	MZC V		GUNASWETHA (WRM/ PHH)	SHIVALEELA (MICRO) LAB		SHIVALEELA (MICRO)		
	MPC V				GUNASWETHA (WRM/ PHH)			
<b>SATURDAY</b>	MZC III		SHIVALEELA (MICRO)					
	MZC V					GUNASWETH A (WRM/ PHH)		
	MPC V						GUNASWET HA (WRM/ PHH)	

LUNCH 12.50 -2.00



## Dept. of Microbiology TIME TABLE: 2023-2024

	Class / Group Sem	1 IH 9.00-10.00	2nd IH (10.00-10.50)	3rd IH (11.10-12.00)	4th IH (12.00 - 12.50)	5th (2.00- 2.50)	6th ( 2.50 -3.40 )
<b>Monday</b>	MZC I	Dr. K Gunaswetha (Micro)					
	MZC II					K. Shivaleela (Micro)	
	MPCS III						
	MPC III			Dr. K Gunaswetha (PHH)			
<b>Tuesday</b>	MZC I	Dr. K Gunaswetha (Micro)					
	MZC II					K. Shivaleela (Micro)	
	MZC III						K. Shivaleela (Micro)
<b>Wednesday</b>	MZC I	Dr. K Gunaswetha (Micro)					
	MZC II					K. Shivaleela (Micro)	
	MZC III			Dr. K Gunaswetha (PHH)			K. Shivaleela (Micro)
	BZC III			Dr. K Gunaswetha (PHH)			
	MPC III					Dr. K Gunaswetha (PHH)	
	MPCS III					Dr. K Gunaswetha (PHH)	
<b>Thursday</b>	MZC I	Dr. K Gunaswetha (Micro)					
	MZC II					K. Shivaleela (Micro)	
	MZC III		Dr. K Gunaswetha (PHH)	Dr. K Gunaswetha (PHH)			K. Shivaleela (Micro)
	BZC III		Dr. K Gunaswetha (PHH)	Dr. K Gunaswetha (PHH)			
	MPC III				Dr. K Gunaswetha (PHH)		
						Dr. K Gunaswetha (PHH)	
	MPCS III						Dr. K Gunaswetha (WRM)
<b>Friday</b>	MZC I				Dr. K Gunaswetha (Micro Lab)	Dr. K Gunaswetha (Micro Lab)	
	MPC III	Dr. K Gunaswetha (PHH)					
	MZC III	K. Shivaleela (Micro Lab)		K. Shivaleela (Micro Lab)			
<b>Saturday</b>	MZC I					Dr. K Gunaswetha (EVS)	
	MZC II	K. Shivaleela (Micro Lab)		K. Shivaleela (Micro Lab)			
	MZC III				Dr. K Gunaswetha (PHH)		
	BZC III				Dr. K Gunaswetha (PHH)		

BREAK 10.50-11.10

LUNCH 12.50 -2.00



**RESULT ANALYSIS (2016-17 TO 2022-23)**

<b>YEAR</b>	<b>SEM</b>	<b>APPEARED</b>	<b>PASSED</b>	<b>FAIL</b>	<b>PERCENTAGE</b>	<b>CUMULATIVE PERCENTAGE</b>
2018-19	I	18	18	0	100%	100%
	III	29	29	0	100%	
	V Paper 5	25	25	0	100%	
	V Paper 6	25	25	0	100%	
	II	18	18	0	100%	
	IV	28	28	0	100%	
	VI Paper 7	25	25	0	100%	
	VI Paper 8	25	25	0	100%	
2019-20	I	35	33	2	94%	99%
	III	17	17	0	100%	
	V Paper 5	28	28	0	100%	
	V Paper 6	28	28	0	100%	
	II	33	33	0	100%	
	IV	18	18	0	100%	
	VI Paper 7	28	28	0	100%	
	VI Paper 8	28	28	0	100%	
2020-21	I	34	31	3	91%	95%
	III	31	31	0	100%	
	V	17	17	0	100%	
	II	33	28	5	84%	
	IV	31	30	1	97%	
	VI	17	17	0	100%	
2021-22	I	29	29	1	100%	100%
	III	29	29	0	100%	
	V	31	31	0	100%	
	II	29	29	0	100%	
	IV	26	26	0	100%	
	VI	31	31	0	100%	
2022-23	I	21	21	0	100%	100%
	III	29	29	1	100%	
	V	27	27	0	100%	
	II	21	21	0	100%	
	IV	29	29	1	100%	
	VI	27	27	0	100%	

**ACHIEVEMENTS of The Students( Higher Education)**

PASSED YEAR	S.NO	NAME OF THE STUDENT	COURSE	INSTITUTION & ADDRESS	UNIVERSITY
2018-2019	01	J. Malleshwari	M.Sc., Microbiology	Central University College of Haryana, Haryana	Central University of Haryana
	02	K. Pushpalatha	M.Sc., Microbiology	Osmania University College, Hyderabad	Osmania University
	03	Durga Bhavani	M.Sc., Microbiology	Osmania University College, Hyderabad	Osmania University
2019-20	01	Jadi Sowjanya	M.Sc Biochemistry	Central University College of Rajasthan, Rajasthan	Central University of Rajasthan
	02	Mamidipelli Mamatha	M.Sc., Microbiology	SRR Govt. Arts & Science College	Sathvahana University
	03	Alluri Arundhati	M.Sc., Microbiology	Pragathi Degree & PG College	Osmania University
	04	Borukunta Swarupa	M.Sc., Microbiology	Pingle Govt. College for Women	Kakatiya University
	05	Jhadi Srividhya	M.Sc., Microbiology	Jahnavi Degree & PG College	Osmania University
	06	Sony	M.Sc., Industrial Microbiology	Padmavathi University College	Padmavathi University
	07	M. Laxmi	M.Sc., Microbiology	Gajwar Govt. Degree College	Osmania University
2020-21	01	Kommu Shravani	M.Sc., Genetics	Osmania University College, Hyderabad	Osmania University
	02	P. Rakshitha	M.Sc Biochemistry	Kakatiya University College, Warangal	Kakatiya University
	03	B. Divya	M.Sc Biochemistry	Mahatma Gandhi University College, Nalgonda	Mahatma Gandhi University
	04	D. Pravalika	M.Sc Biochemistry	Mahatma Gandhi University College, Nalgonda	Mahatma Gandhi University
2021-22	01	P. Sharani	M.Sc., Microbiology	Bhavan's College, Hyderabad	Osmania University Affiliated
	02	K. Ashritha	M.Sc., Genetics	Osmania University College, Hyderabad	Osmania University
	03	K Srileka	M.Sc., Microbiology	St. Piou's College, Hyderabad	Autonomous
	04	P. Akshitha	M.Sc., Microbiology	Aurora Degree & PG College	Kakatiya University
2022-23	01	S. Srivani	M.Sc., Microbiology	Kakatiya University College, Warangal	Kakatiya University
	02	Vijetha	M.Sc., Microbiology	St. Aplhonsa's College of Degree & PG College	Osmania University
	03	V. Pragathi	M.Sc., Environmental Microbiology	Osmania University College, Hyderabad	Osmania University
	04	K. Ramya	M.Sc., Environmental Microbiology	JNTUH Campus	JNTUH Campus
	05	D. Priyanka	M.Sc., Fermenttion Technology	Osmania University College, Hyderabad	Osmania University

**ACTIVITIES**

<b>S.NO.</b>	<b>ACADEMIC YEAR</b>	<b>Date</b>	<b>NAME OF THE ACTIVITY</b>	<b>REPORT OF THE ACTIVITY</b>	<b>REMARKS</b>
01	2019-20	16.02.2021	Student Seminar on Departmental Project	A Student Seminar by D. Pravalika on Estimation of Microbial Colonies from raw milk and Pasteurized milk	
02		16.02.2020	Student Seminar on Departmental Project	A Student Seminar by B. Divya on Estimation of Microbial Colonies from raw milk and Pasteurized milk	
03		18.2.2020	Student Seminar on Departmental Project	A Student Seminar by K. Shravani Estimation of Microbial colonies from air through Air sampling technique	
04		18.02.2020	Student Seminar on Departmental Project	A Student Seminar by P. Rakshitha Estimation of Microbial colonies from air through Air sampling technique	
05		23.04.2021	E- Quiz	During Covid pandemic an Online Quiz program was conducted around 400 hundred members participated in e-Quiz including staff and students of various Degree colleges.	
06	2021-22	14.08.2021	Bridge Course – Pre Assessment Test	Bridge course Pre Assessment test conducted to MZC-I year students	
07		14.09.2021	Bridge Course – Post Assessment Test	Bridge course Post Assessment test conducted to MZC-I year students	

08		17.09.2021	Student Seminar (World Microbiology Day)	A Student Seminar by P. Sharani, MZC III year	
09		17.09.2021	Quiz (World Microbiology Day)	Quiz was conducted to MZC I year and MZCII year Students	
10		01.12.2021	Student Seminar (World AIDS Day)	A Student Seminar by D. Priyanka, MZC III year on “End inequalities, End AIDS”	
11		01.12.2021	Quiz Student Seminar (World AIDS Day)	Quiz was conducted to MZC I year and MZCII year Students	
12	2022-23	17.09.2022	Student Seminar (World Microbiology Day)	A Student Seminar by V. Pragathi, MZC III year on Advancements in Disease prevention, Food Safety & Sustainable practices	
13		17.09.2022	Quiz (World Microbiology Day)	Quiz was conducted to MZC I year and MZCII year Students	
14		2022	Bridge Course – Pre Assessment Test	Bridge course Pre Assessment test conducted to MZC-I year students	
15		2022	Bridge Course – Post Assessment Test	Bridge course Post Assessment test conducted to MZC-I year students	
16		25.02.2023	Student Seminar at National Seminars	B. Shailaja and CH. Akshaya of MZC II year Presented Poster in National Seminar conducted by Dept. of Zoology at Kakatiya University.	
17		18.03.2023	Student Seminar (Structure and Functions of Nucleic Acids)	A student Seminar by S. Varalaxmi, MZC- I year	
18		18.03.2023	Student Seminar (Structure and Functions of Bacterial membrane)	A student Seminar by P. Shravani, MZC- I year	

19		07.04.2023	Student Seminar (Benefits of Genetically modified organisms)	A student Seminar by B. Shailaja, MZC- II year	
20		07.04.2023	Student Seminar (Applications of rDNA technology in medicine)	A student Seminar by R. Girija, MZC- II year	
21	2023-24	08.08.2023	Bridge Course – Pre Assessment Test	Bridge course Pre Assessment test conducted to MZC-I year students	
22		26.08.2023	Bridge Course – Post Assessment Test	Bridge course Post Assessment test conducted to MZC-I year students	
23		14.09.2023	Student Seminar (Bioethanol Production)	A Student Seminar by CH. Akshaya MZC-III year	
24		21.10.2023	Quiz	Quiz conducted to MZC-III year students	
25		17.11.2023	Debate (Biogas & Biodiesel Production from Biomass)	Debate conducted to MZC- III year students	
26		13.12.2023	Quiz	Quiz conducted to MZC- II year students	
27		21.12.2023	Quiz	Quiz conducted to MZC- I year students	
28		28.02.2024	Student Seminar (Bacterial isolation through Air sampling technique)	A Student Seminar by M. Sofiya, MZC- III year	
29		28.02.2024	Student Seminar (Genetical difference between prokaryotes and Eukaryotes)	A Student Seminar by G. Jyothi MZC-I year	
30		28.02.2024	Student Seminar (Human Blood grouping)	A Student Seminar by Vishnupriya MZC-II year	
31		28.02.2024	Quiz	Quiz conducted to MZC- I year and MZC II year students	

## **STUDENT PROJECTS**

<b>S.NO.</b>	<b>ACADEMIC YEAR</b>	<b>NAME OF THE STUDENT</b>	<b>GROUP &amp; YEAR</b>	<b>TOPIC</b>
01	2020-21	1. B. Anjali 2. B. Divya 3. Ch. Vaishnavi 4. D. Divya 5. D. Susmitha 6. D. Pravalika 7. D.Panchasheela 8. D. Swarnalatha 9. G. Varalaxmi	MZC III Year	Estimation of Microbial Colonies from raw milk and Pasteurized milk
02	2020-21	1. J. Anjarani 2. K. Shravani 3. K. Chandini 4. K. Rajeshwari 5. N. Sravani 6. P. Rakshitha 7. S. Lavanya 8. E. Shwetha 9. S. Anuja	MZC III Year	Estimation of Microbial colonies from air through Air sampling technique
03	2021-2022	1. V. Pragathi 2. S. Srivani 3. M.Laxmi Prasanna 4. K. Mayavathi 5. B. Sruthi	MZCII year	Open Filed Collective Algal Bloom Project, Mancherial
04	2021- 2022	1. B, Shailaja 2. CH. Akshaya 3. G. Pravalika 4. N. Anjali Mithra 5. T. Aparna	MZC I year	Open Filed Collective Algal Bloom Project, Adilabad
05	2022-2023	1. B. Shailaja 2. CH.Akshaya	MZC II year	Monitoring of Algal Bloom in Freshwater lakes, Extraction & Evaluation of Antibacterial Compounds

## INFRASTRUCTURE

S.NO	NAME OF THE ITEM	QUANTITY
01	CHAIR	2
02	TABLE	2
03	TABLE DESK	4
04	ALMARA	2

### Laboratory Equipment:

S.NO	NAME OF THE INSTRUMENT	QUANTITY
1	INCUBATOR	01
2	AUTOCLAVE	01
3	HOT AIR OVEN	01
4	WATER BATH	01
5	MICROSCOPES	05
6	REFRIGERATOR	01
7	WEIGHING MACHINE	01

## RESEARCH PUBLICATIONS

S.NO .	PAPER PUBLICATION YEAR	TITLE OF THE PUBLICATION	NAME OF THE JOURNAL	ISSN NUMBER
01	2020	Characterization, in vitro cytotoxic and antibacterial exploitation of green synthesized freshwater cyanobacterial silver nanoparticles	Journal of Applied Pharmaceutical Science	2231-3354
02	2020	Cyanobacteria assisted bio-reduction of silver nanoparticle conjugates and study on their characterization and antibacterial activity against pathogenic bacteria	International Journal of Pharmaceutical Sciences and Research	0975-8232
3	2022	Physicochemical characteristics of industrial effluents collected from different industrial sites of India	The American Journal of Science and Medical Research	2377-6196
4	2022	Anti-Inflammatory And Bacterial Activity of Various Extracts Of Momordica Charantia	Innovat International journal of Medical & Pharmaceutical Sciences	2456-8694
5	2023	Monitoring of Algal Bloom in freshwater lakes, Extraction and Evaluation of Antibacterial compounds	Biolife, International Quarterly Journal of Biology and Lifesciences	2320-4257
6	2023	Preparation and Characterization of Silver Nanoparticle Cross-linked Polymeric Cages by Freshwater Cyanobacteria and their Bactericidal Evaluation against Multi-Drug Resistant Bacteria	Indian Journal of Pharmaceutical Education and Research	0019-5464
7	2023	Isolation, Screening, Identification, and Assessment of Laccase-Producing Fungi Isolated from Different Environmental Samples	Biosciences Biotechnology Research Asia	2456-2602



## Departmental Pictures:



**Students Seminar**



**Students Project Preparation**



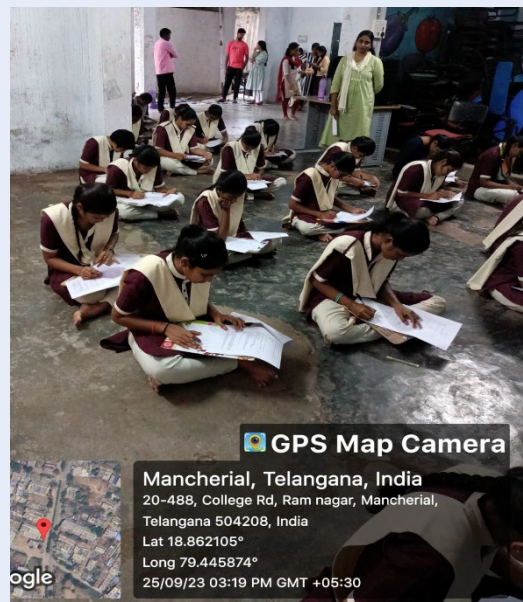
**Students Poster Preparation at National Seminar, Kakatiya University**



**Students' Practical & Project Preparation  
in Microbiology Laboratory**



**Students' Practical conduction  
Microbiology Laboratory**



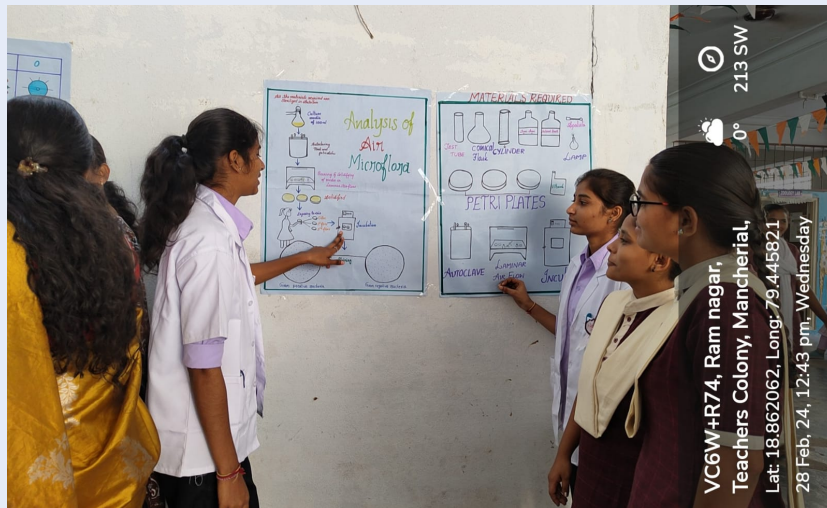
**Bridge Course Pre assignment and Post  
assessment test conduction**



Students Seminar on National Science Day



Students Hands-on demonstration on National Science Day



Students Seminar on National Science Day



**Students & Faculty, Department of  
Microbiology. TSWRDC(W),  
Mancherial**