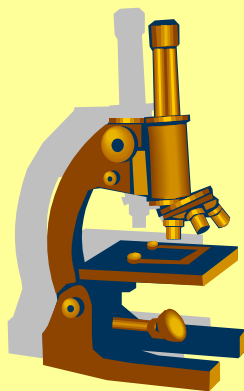




**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE
(GIRLS), KHAMMAM**

ACTIVITIES REPORT DEPARTMENT OF MICROBIOLOGY

AY-2022-23



Science knows no country, because knowledge belongs to humanity, and is the torch which illuminates the world.

- Louis Pasteur

ACTION PLAN FOR THE YEAR 2022-23

Month	Tentative Date	Proposed Program	Proposed Activities
August	8/16/2022	Class work	Classes started for III&IV SEM
	8/24/2022	Slip test	
	8/30/2022	Quiz competition	Question asked on microbiology related
September	9/16/2022	World ozone day	Rally led by all life sciences students
	9/24/2022	Blood grouping camp	Camp conducted for NCC students
October	10/17/2022	Internal exams	
November	11/12/2022	World pneumonia day	Student seminar conducted
	11/19/2022		
	11/26/2022	Slip test	
December	12/1/2022	World AIDS day	Pledge took by the students
	12/11/2022	Space on wheels programme	
January	1/3/2023	Class work	IV&VI SEMESTER Started
	1/3/2023	Student activity	E.coli microorganisms grown on media
	1/12/2023	Slip test	
February	2/28/2023	Science day	Poster presentation by the students
March	03/06/2023	Orientation class	Class took for students on future aspects
	3/16/2023	Vaccination day	Poster presentation done by MBZC III year students
	3/17/2023	Blood grouping camp	Camp Organised for NCC students
	3/21/2023	Class work	Class work started for II SEM Students
	3/24/2023	World tuberculosis	Rally given by all life sciences students
April	4/5/2023	Guest lecture by fac	Guest lecture given on Future aspects of microbiology
	4/27/2023	Internals	

WORLD OZONE DAY CELEBRATIONS

16-09-2022

ABOUT THE PROGRAM:

The Department of Microbiology had conducted World ozone day celebrations by conducting awareness program.

OBJECTIVES:

- To educate students about the ozone layer and its significance.
- To bring awareness in the society in using of various electric devices releasing CFC.
- To promote actions that individuals and communities can take to protect the ozone layer.

PROGRAM OVERVIEW:

Awareness Class: Awareness class conducted on the Ozone layer depletion and concerned effects on the environment, Role of Microorganisms in safe guarding ozone layer.



WORLD CANCER DAY ON 07-11-2022

ABOUT THE PROGRAM:

- The department of Microbiology in collaboration with the Department of Botany and Zoology had conducted the awareness program on the occasion of World cancer day on 7th November in the college premises.
- In this program the faculty has given valuable information about the Cancer, causes, Treatment and preventive measures.

OBJECTIVES:

- To give information on Cancer, it's causes, treatment and preventive measures.
- To provide awareness on early detecting of Cancer.



PROGRAM OUTLINE:

As a part of this program all three years students have performed a skit in association with the Theatre Club of the college.

Students also presented posters showing the details of Cancer related information and also some students gave speech along with the faculty.

WORLD AIDS DAY ON 01-12-2022

ABOUT THE PROGRAM:

On the occasion of World AIDS Day on December 12th, The Department of Microbiology in association with the Department of Zoology has conducted awareness program to the students and also participated in the rally in the village to create awareness in the village people.



OBJECTIVES:

- To give information on AIDS, it's causes, treatment and preventive measures.
- To provide awareness on early detecting of AIDS
- To provide awareness on Blood transfusion and sexula transmission.



PROGRAM OVERVIEW:

- Awareness Class: Awareness class conducted on the AIDS disease, causative agent, symptoms, treatment and preventive measures

LOUIS PASTUER BIRTHDAY CELEBRATIONS ON 27-12-2022

INTRODUCTION

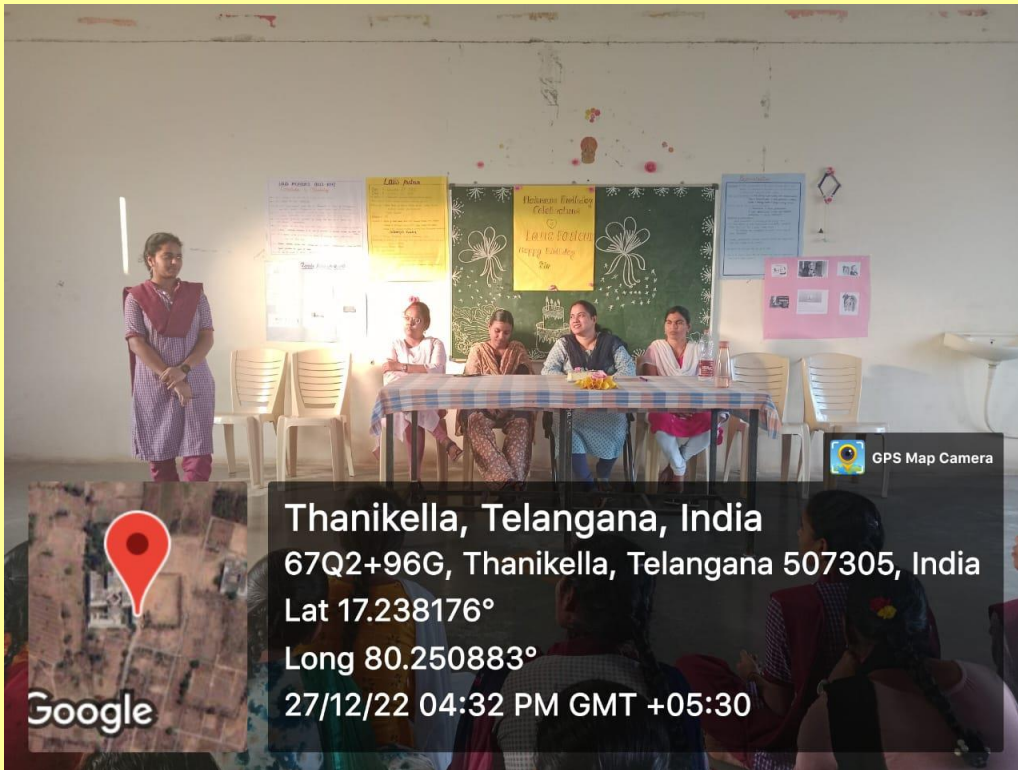
On the occasion of the Louis pastuer the father of Modern Microbiology Birth anniversary, The department of Microbiology was organised Celebrations by inviting Principal, Vice Principal, IQAC Coordinator, all the faculty and all the students.



PROGRAM SUMMARY:

On the occasion of the Louise pasture the father of Modern Microbiology Birth anniversary, the department of Microbiology was organised Celebrations by inviting Principal, Vice Principal, IQAC Coordinator, the entire faculty and all the students at Seminar Hall.

- ❖ Cake cutting was followed by the speeches of students about the great contributions of Louis pasture to the world.
- ❖ Lecturers also shared their views about the importance of scientific research and also encouraged students to select the research



- ❖ Finally Principal gave her views about the science world especially about the Microbiology, the contributions of Microbiologists to the entire world and also remembered the contributions of Louis pastuer.

STUDENT SEMINAR 03-01-2023 ON THE TOPIC MALARIA PARASITE

ABOUT THE PROGRAM:

As a part of encouraging the students involvement in the class room student seminar was conducted by the department of Microbiology on the Topic MALARIA PARASITE which is a part of the Medical Microbiology and Immunology and invited Interested students to participate. The student T.Pujitha from MZC 2nd Year came forward and gave the seminar.

OBJECTIVES:

- To involve the students in the subject.
- To implement experiential learning.
- To encourage the teaching skills in the students.



PROGRAM OUTLINE:

- The student prepared the material for the seminar with the help of the department and also by referring the books.
- On the Day of seminar the student gave the lecture by using PPT as well as black board.

TEACHING-LEARNING METHOD INVOLVED:

- **Experiential Learning-** By performing the test for number of times students experienced the topic by practicing it and understood very clearly.
- **Collaborative Learning-** As the Students performed the tests in a collective manner they have learned by discussing with each other.

TEACHING-LEARNING PRACTICES:

- **Active Learning-**Students involved in the program by making their own notes, PPTs and through Q &A session they have participated in the session.

Q & A SESSION:

- Students asked their doubts and the speaker cleared doubts and the faculty also helped to clear the student's doubts.

ICT-PPT CLASS 25-01-2023

ABOUT THE PROGRAM

On January 25, 2023, the Department of Microbiology conducted ICT – PPT class on Tuberculosis for 2nd year microbiology students. As the Tuberculosis subject was more difficult and needed visuals for understanding the topic to enable the students to understand the topic, the PPT class was taken to the stud



OBJECTIVES

- To educate students about the species of Mycobacterium
- To utilize ICT tools to make the learning process more engaging and effective.
- To highlight the staining procedure of tubercle bacilli, the symptoms of the disease, clinical significance, epidemiology, and prevention.

PROGRAM OUTLINE:

- The class prepared by the faculty Dr.V.Swetha of the Department of Microbiology. A detailed PowerPoint presentation was created, incorporating images, charts, and diagrams of the Tubercle bacteria.

The class includes

- Introduction to the bacteria
- Classification
- Epidemiology
- Symptoms
- Pathogenesis
- Treatment
- Preventive Measures
- At the end of the class students asked the doubts and were clarified.

TEACHING-LEARNING METHOD INVOLVED:

- **Blended Learning-** By performing the test for number of times students experienced the topic by practicing it and understood very clearly.
- **Collaborative Learning-** As the Students performed the tests in a collective manner they have learned by discussing with each other.

PARTICIPATION IN BIOME'23 AN INTERNATIONAL CONFERENCE ON ADVANCES IN BIOLOGY & MEDICINE

ABOUT THE PROGRAM:

BIOME'23 is an International Conference conducted by the TSWEIS and TTWREIS from 21-02-2023 to 23-02-2023 at Kanha Shanthivanam, Hyderabad. Students, Faculty, researchers and many prominent guest speakers from India and other countries were participated in this conference. Poster presentations and oral presentations were conducted in this conference.



The poster for BioMe '23 features a blue and white color scheme. On the left, there is a close-up image of a microscope. The text on the right side of the poster includes the following information:

TSWREIS & TTWREIS
In association with
Telangana Life Sciences &
FABA Academy

BioMe '23
An International Conference on
Advances in Biology and Medicine

KEY SPEAKERS

- Prof. Amit K. Tiwari, UT, USA
- Prof. Frederick E Williams, UT, USA
- Prof. Kamal Dua, UTS, Australia
- Prof. F. Scott Hall, UT, USA
- Dr. Vinay K Nandicoori, CCMB, India
- Dr. Ranga Reddy Burri, IFCAI, India
- Prof. Pia Vogel, SMU, USA
- Prof. Jay Ramapuram, AU, USA
- Dr. Darshana Joshi, Vigyanshala, India

IMPORTANT DATES

- Registrations close February 15, '23
- Abstract submissions close February 05, '23

**21ST TO 23RD
FEBRUARY, 2023**
KANHA SHANTIVANAM
HYDERABAD

FOR DETAILS & REGISTRATION:
WWW.BIOME23.COM
biome23conference@gmail.com

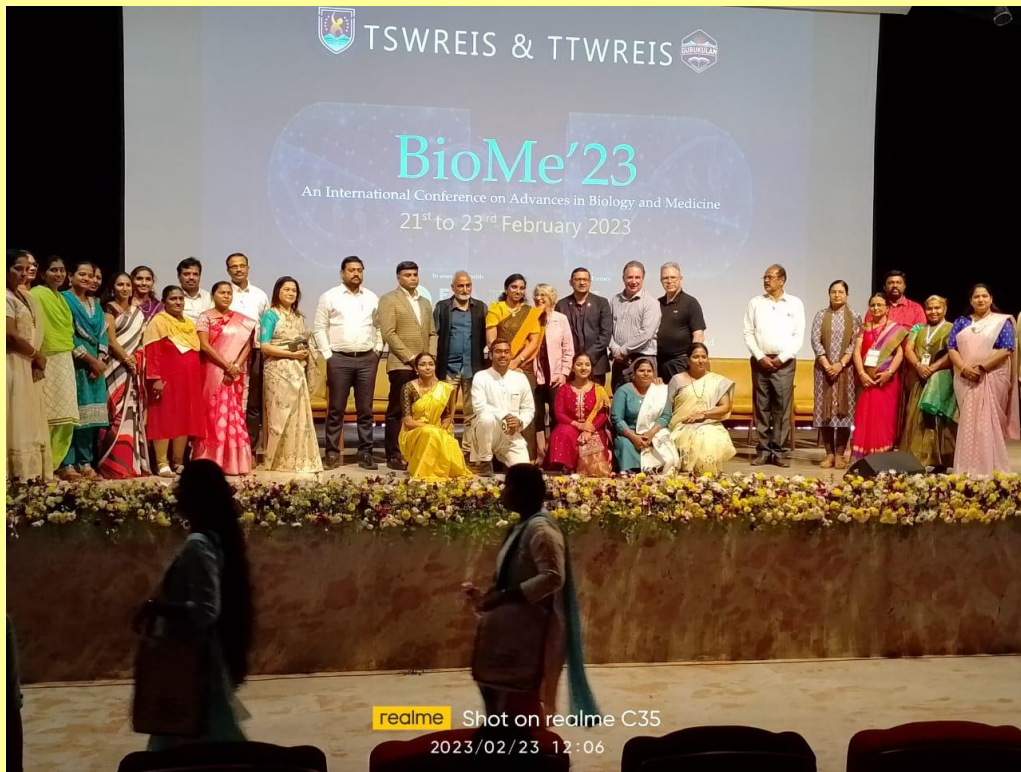
Register Now!! Early Bird Registrations close by 30.01.2023

OBJECTIVES:

- To give exposure to the science conferences and world class experience to the students.
- To encourage them towards research side.
- To enable them to listen to the scientific works and to get interact with scientists and researchers.

PROGRAM OUTLINE:

- On 21st February the program started with the inaugural session with the Guest speakers' Key notes.
- On 22nd Speakers' sessions followed by Poster presentations and Oral presentations were conducted.
- On 23rd Awards for the winners and the Closing ceremony.



PARTICIPATION FROM THE COLLEGE:

- It is our privilege that the faculty of the Department of Microbiology Dr.V.Swetha got opportunity to be a part of the committees of the Biome'23 program for organizing the program.
- Along with the faculty one students of the college Miss. Komala also nominated to participate in the program.



SCIENCE DAY CELEBRATIONS 28-02-2023

ABOUT THE PROGRAM:

On the occasion of Science Day celebrations on February 28th, 2023, the department of Microbiology in collaboration with the Department of Botany and Zoology has conducted the Quiz program on various science topics to the students.

OBJECTIVES:

- To encourage the students through Quiz activities
- To improve the knowledge on current science knowledge.
- To involve the students in the subject in more inclusive way.

PROGRAM OUTLINE:

- All the science students have gathered in the conference hall.
- All the faculty and librarian have prepared the quiz questions on prior day to the quiz.
- Faculty have divided the students in to 05 groups and given the names.
- Einstein
- CV Raman
- HG Khorana
- Venkataraman
- Vikram Sarabhai
- And the quiz questions have asked in the 05 rounds.

- At last tie up was happened with the two groups and for the two groups another round was conducted and finally the Einstein group was won the quiz.



EXTENSION LECTURE ON THE TOPIC “ IMMUNOGLOBULINS” ON 06-03-2023

Speaker: Dr. K. Srividya, HOD Microbiology TSWRDC(W), Bhupalapalli.

INTRODUCTION:

The Department of Microbiology conducted extension lecture by inviting Dr. K. Srividya, HOD Microbiology TSWRDC(W), Bhupalapalli, a distinguished Senior faculty.

OBJECTIVES:

- To give insights on EEE opportunities.
- To provide information on immunoglobulins.
- To give awareness on the types of immunoglobulin's and their functions.
- To give insights about the entrepreneurship opportunities in various fields.

OVERVIEW OF THE PROGRAM:

The Speaker started the session with her own career journey which motivated students and followed by the detailed overview of the each and every aspect about career aspects of a



Microbiologists

KEY TOPICS COVERED:

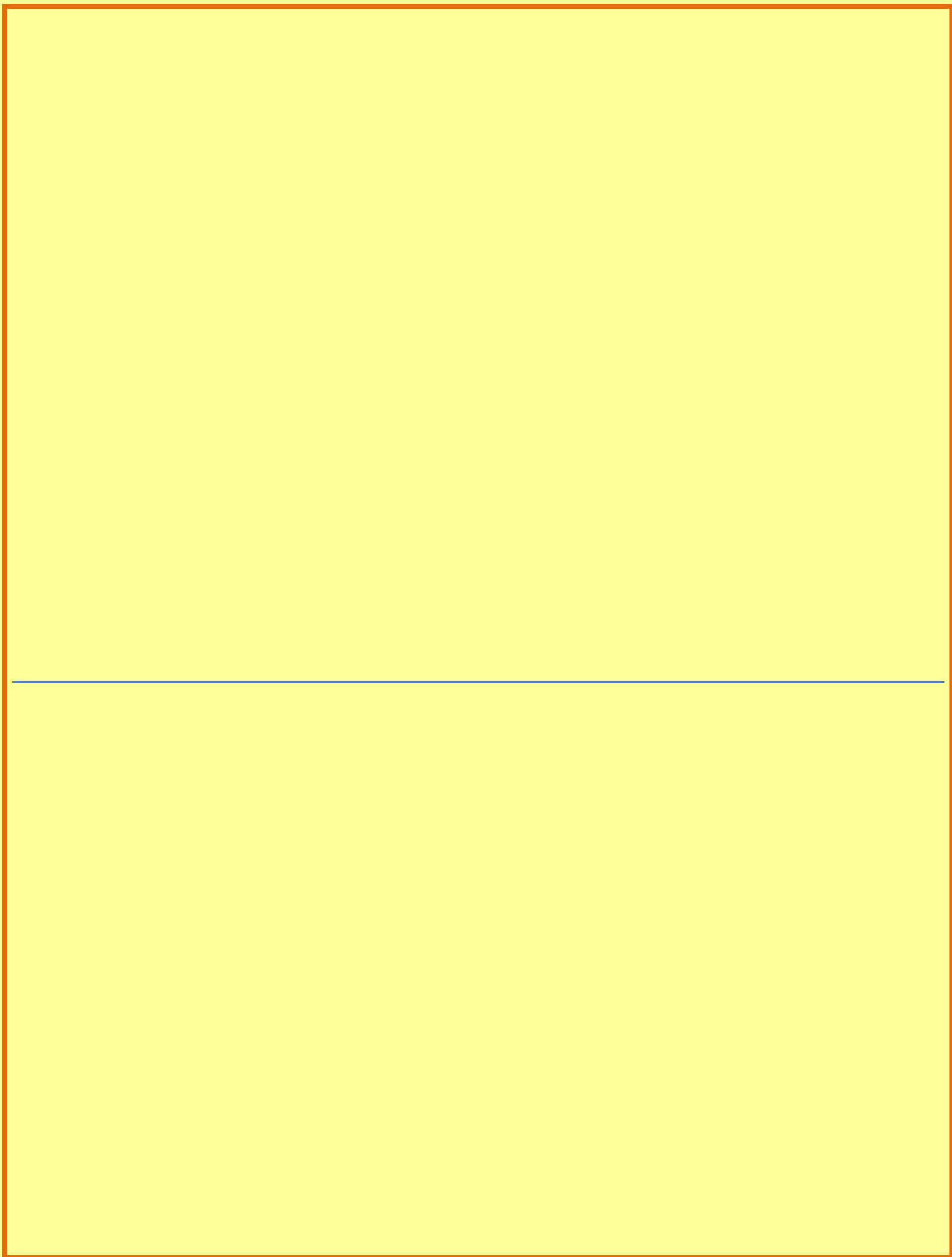
- History of Immunology
- Types of Immunoglobulins
- Functions of Different Immunoglobulins.

Q&A SESSION:

In the end of the program students asked their doubts regarding the topic for which the speaker gave clarifications.

FEEDBACK:

- Very informative session. – I. Saiprasanna MZC 1st year
- I got much information on immunoglobulins. G.Akhila MZC 1st Year



THANK YOU