

REF: MSRCASC/MB/2023-2024/

Date: 28.05.2024

## CIRCULAR

### DEPARTMENT OF MICROBIOLOGY

#### Guest Lecture on: "Diagnostic Enzymology"

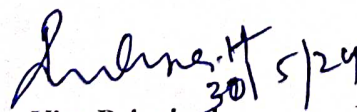
This is to inform all II & III year BSc students of M. S. Ramaiah College of Arts, Science and Commerce-Autonomous that Department of Microbiology under DBT Star College Scheme is organizing a guest lecture on the topic "Diagnostic Enzymology" by Dr. Nagaraj M R, Associate Professor, Department of Clinical Biochemistry, East Point College of Medical Sciences and Research Centre, Bangalore on 1<sup>st</sup> June 2024.


Attendance is mandatory for the students.

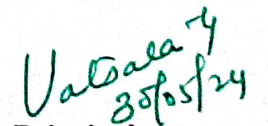
**Time:** 03:00 pm to 04.30pm

**Venue:** Sir M Visveshwaraiah Auditorium.

  
HOD

  
Vice Principal

  
Registrar (Academics)

  
Principal

**Department of Microbiology  
Organizes  
Guest Lecture  
On  
DIAGNOSTIC ENZYMOLOGY**

**Dr. Nagaraj MR**  
Associate Professor,  
Department of Clinical Biochemistry,  
East Point College of Medical Sciences  
and Research Centre, Bangalore



**Objectives:**

- The primary objective of a guest lecture is to share knowledge, expertise, or insights on a topic.
- To provide valuable information to the audience, enhancing their understanding of the topic

**Outcome:**

- The lecture will encourage critical thinking and analytical skills among students
- Motivate students to explore research in future and pursue related interests.

**Date: 1<sup>st</sup> June 2024**

**Time: 3:00pm to 4:30pm**

**Venue: Visveshwaraiah Auditorium**

**Mrs. Soumya S Shanbhag**  
Head of the Department  
& Coordinator

**Dr. Pushpa H**  
Vice Principal

**Dr. Vatsala G**  
Principal

**DEPARTMENT OF MICROBIOLOGY**

**REPORT ON GUEST LECTURE**

**Title: Guest Lecture on “Diagnostic Enzymology”**

**Date: 1<sup>st</sup> June 2024**

**Venue: Visveswaraiah Auditorium**

**Participants: II & III Year BSc students & MSc MB**

**Resource Persons:**

**Dr. Nagaraj MK**

**Associate Professor, Department of Clinical Biochemistry, East Point College of Medical Sciences and Research Centre, Bangalore**

**No. of Participants: 109**

**Objective:**

- **The primary objective of a guest lecture is to share knowledge, expertise, or insights on a topic.**
- **Participants may acquire practical skills in conducting enzyme assays and interpreting results.**
- **Through case studies and discussions, attendees can enhance their ability to critically evaluate diagnostic enzymology methods and their clinical significance.**
- **Participants may gain insight into emerging trends and technologies in diagnostic enzymology, fostering an awareness of potential future developments in the field.**
- **Attendees should be able to apply their knowledge of diagnostic enzymology to real-world clinical scenarios, aiding in the diagnosis, prognosis, and monitoring of diseases.**

On 1<sup>st</sup> June 2024, Department of Microbiology, MSRCASC hosted a guest lecture on “Diagnostic Enzymology” delivered by Nagaraja MR, an esteemed professional with over a 2 decades of experience in the field of biochemistry and Associate Professor at East Point College of Medical Sciences and Research Center, Bangalore, for II and III-year BSc students and MSc

Microbiology students. 109 students from BSc and MSc participated in the event. The lecture, held at Visveswaraiah auditorium, was part of a Guest Lecture Series and aimed at enhancing the understanding of students with basic diagnostic importance of enzymes and significance of these enzyme testing for diagnosis of diseases. The lecture was started by providing an overview of diagnostic enzymes, emphasizing its role in analysing the diagnosis of diseases.

The core of the lecture focused on diagnostic enzymology, which involves the use of enzyme measurements in clinical diagnostics to detect, quantify, and monitor various diseases. Dr. Nagaraja highlighted how enzymatic assays are crucial for diagnosing conditions such as myocardial infarction, liver diseases, Pancreatic disorders, and certain genetic disorders

The lecture covered several key enzymes used in diagnostics:

ALT (Alanine Transaminase) and Aspartate Transaminase (AST)

Creatine Kinase (CK)

Alkaline Phosphatase (ALP)

Amylase and Lipase]

LDH (Lactate Dehydrogenase) etc.

He elucidated the principles behind various diagnostic techniques and on new biomarkers developed for diagnosis.

The guest lecture had a significant impact on students' appreciation for diagnostic enzymology as a powerful analytical tool. It deepened their understanding of the underlying principles and broadened their awareness of the diverse applications of enzymes in diagnosis of diseases in pathology laboratory settings.

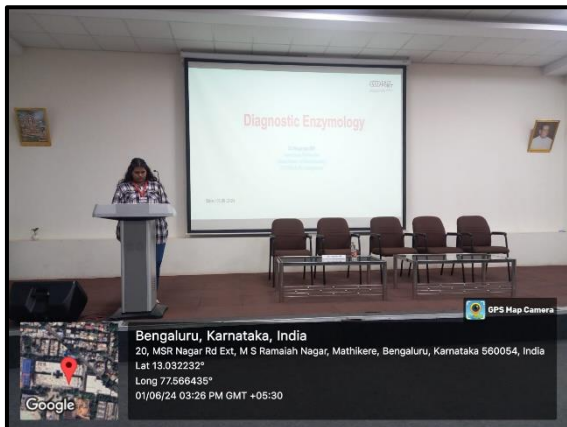
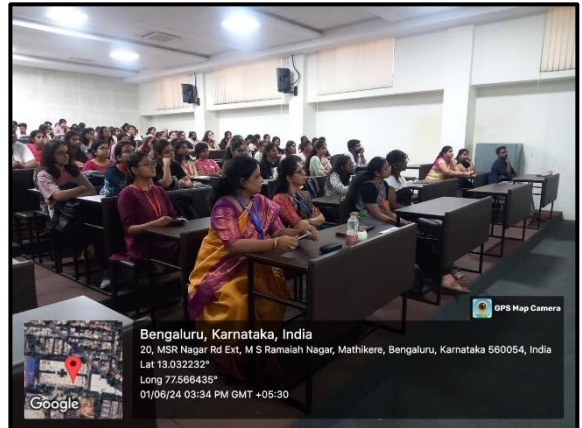
We extend our sincere gratitude to Dr. Nagaraja MR for his informative and engaging lecture. Special thanks to all students and faculty members who participated in making the guest lecture a memorable experience.

### **Outcome:**

Students are empowered with the knowledge, skills, and confidence needed to utilize enzymatic assays effectively in diagnostic settings and contribute to advancements in healthcare.

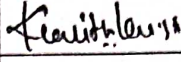
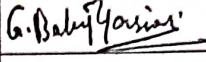

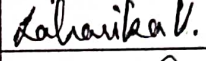
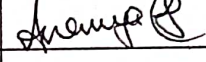

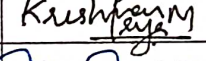
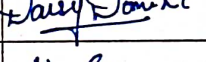
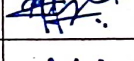
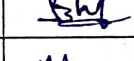

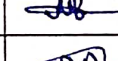
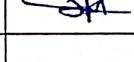
Lecture inspired students to continue their learning and exploration of diagnostic enzymology and enzyme kinetics through further study, research, or professional development activities.

## Glimpse of the event

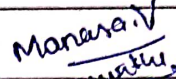
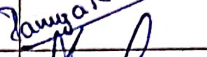
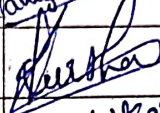
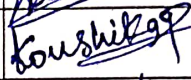


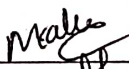
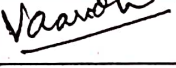
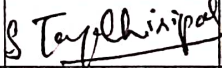
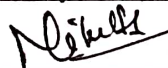

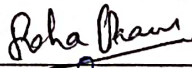
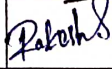
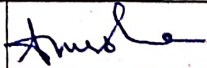
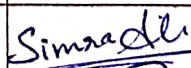
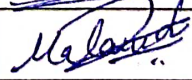




DEPARTMENT OF MICROBIOLOGY  
ATTENDANCE FOR GUEST LECTURE  
1<sup>st</sup> JUNE 2024



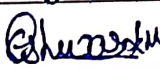
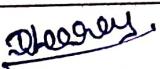

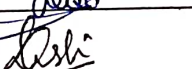
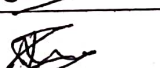
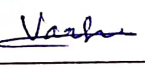
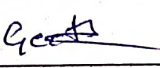
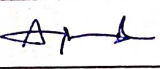
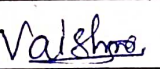
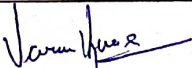
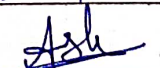
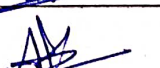
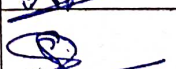
SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGANTURE	FEEDBACK (5- EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1- POOR)
①	K.LALITHAKRISHNA	U18EV22S0336		5
2.	G. Baby Tejaswini	U18EV22S0114		5
3.	Pritya Dushini M	U18EV22S0144		5
4.	Raharika V.	U18EV22S0314		4
5.	Ananya S	U18EV22S0298		4
6.	Deekshitha M.S.	U18EV22S0230		3
7	Krushnapriya.M.M	U18EV22S0100		4
8	DAISY DOMINIC	U18EV22S0153		4
9)	ARYA ARUN KOMAR	U18EV22S0378		3
10)	M.N.BHAVANA	U18EV22S0101		3
11)	VUKTHA.L	U18EV22S0369		4
12)	MANDAARA.K	U18EV22S099		3
13)	SNIGDHA.L	U18EV22S097		3

**DEPARTMENT OF MICROBIOLOGY**  
**ATTENDANCE FOR GUEST LECTURE**  
**1<sup>st</sup> JUNE 2024**

SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGNATURE	FEEDBACK (5-EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1-POOR)
1.	MANASA. V	U18EV22S0222		5
2.	RAMYA. N. MURTHY	U18EV22S0305		5
3.	KEERTHANA. S	U18EV22S0358		5
4.	KOUSHIK. G. P	U18EV22S0108		4
5.	SAHASRAMSHU. A	U18EV22S0170		4
6.	JAYANTH. B. PATIL	U18EV22S0269		3
7.	MAHEE PRABHU	U18EV22S0229		5
8.	VAARIPHI DALWAL	U18EV22S00847 (0087)		5
9.	TANYA CHIRIPALS	U18EV22S0264		5
10.	NIKITHA BM	U18EV22S0226		5
11.	STUTI J PAREKH	U18EV22S0266		5
12.	SOHA KHANLUM	U18EV22S0075		5
13.	RAKESH. S	U18EV22S0364		4
14.	ANUSHA. R	U18EV22S0095		4
15.	SIMRA ALI	U18EV22S0340		4
16.	MALAVIKA. P	U18EV22S0265		4

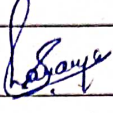

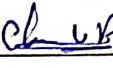
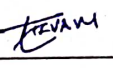
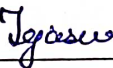
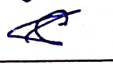
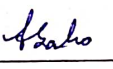
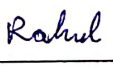
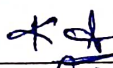
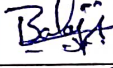
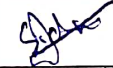

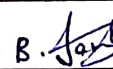
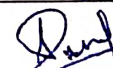
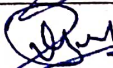


**DEPARTMENT OF MICROBIOLOGY**  
**ATTENDANCE FOR GUEST LECTURE**  
**1<sup>st</sup> JUNE 2024**

SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGANTURE	FEEDBACK (5- EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1- POOR)
1.)	Ajith Banerjee	U18EV22S0370		3
2)	Yadunand S. Mohan	U18EV22S0268		4
3)	Eshwar K.H	U18EV22S0259		4
4)	Dheeraj Kumar Jais	U18EV22S0252		3
5)	Aditi S	U18EV22S0252		3
6)	Kushi Bagrecho.	U18EV22S0256		5
7.)	Rekha Kumari	U18EV22S0135		5
		MSc Mb 1 <sup>st</sup> Year		
8.	Mahima. E	P18EV23S132017	Mahima E	4
9.	Varsha. H.M	P18EV23S132018		3
10.	Geetha. N	P18EV23S132022		4
11.	Ajithesh. A	P18EV23S132037		5
12	Vaishnavi S.	P18EV23S132026		5
13	Varun Kumar C.	P18EV23S132014		4
14	Ashmita. G	P18EV23S132035		3
15	Anusha. K	P18EV23S132034		3
16	Soycey	P18EV23S132028		5



**DEPARTMENT OF MICROBIOLOGY**  
**ATTENDANCE FOR GUEST LECTURE**  
**1<sup>st</sup> JUNE 2024**

SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGANTURE	FEEDBACK (5-EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1-POOR)
1.	Shauanya . c.	U18EV22S0301		5
2.	V. Anjana	U18EV22S0172		4
3.	Chandana VR	U18EV22S0128		5
4.)	Shivam sharma	U18EV22S0312		5
5	Jyotsneer Brahma	U18EV22S0214		4
6	Sayan Paul	U18EV22S0166		4
7	Arnab Saha	U18EV22S0155		3
8.	Rahul S	U18EV22S0253		5
9.	K. Anuragh	U18EV22S0293		5
10.	K. Balaji	U18EV22S0070		3
11.	S. Sidharth	U18EV22S0169		5
12.	Nikmal P	U18EV22S0112		4
13.	B. Janani	U18EV22S0150		5
14.	Aditi. S	U18EV22S0156		5
15.	Gita Anjali. B	U18EV22S0160.		4



















