

M S Ramaiah College of Arts, Science and Commerce

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REF: MSRCASC/MB/2023-2024/

Date: 25.04.2024

CIRCULAR

DEPARTMENT OF MICROBIOLOGY

Guest Lecture on:

"Principles and Applications of Spectroscopy"

This is to inform all I and II year BSc students of M. S. Ramaiah College of Arts, Science and Commerce that Department of Microbiology under DBT Star College Scheme is organizing a guest lecture on the topic "Principles and Applications of Spectroscopy" by "Dr. Sudeeksha" - application Scientist, Head-Application and Business Support (Life Sciences), HORIBA India Pvt. Ltd., Bangalore, on 30th April 2024

Time: 02:30 pm to 04.30pm

Venue: Dr. Mother Theresa Auditorium.

MOD.

OD Vice Princing

Registrar (Academics

Principal

S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar

?angalore - 560 054





Department of Microbiology

Organizes

Guest Lecture

On

Principle & Applications of Spectroscopy

Dr. Sudeeksha H C

Application Scientist, Head-Application and Business Support (Life Sciences), HORIBA India Pvt. Ltd. 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: 30th April 2024 Time: 3:00pm to 4:30pm

Venue: Mother Theresa Auditorium

Head of the Department Mrs. Soumya S Shanbhag

Vice Principal Dr. Pushpa H Principal
Dr. Vatsala G

Coordinator: Dr. Vemula Vani,

Associate Professor, Dept. of Microbiology, MSRCASCA



DEPARTMENT OF MICROBIOLOGY

REPORT ON GUEST LECTURE

Title: Guest Lecture on "Principle & Applications of Spectroscopy"

Date: 30th April 2024

Venue: Mother Theresa Auditorium

Participants: I and II Year BSc students

Resource Persons:

Dr. Sudeeksha HC

Application Scientist, Head-Application and Business Support (Life Sciences), HORIBA India

Pvt. Ltd. Bangalore

No. of Participants: 99

Objective:

- 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.
- To provide networking opportunities for students. Interacting with professionals in various fields can help students build connections that may be valuable for internships, job opportunities, or further education.
- To introduce students to the fundamental principles of spectroscopy.
- To explore different spectroscopic techniques and their applications in chemistry, physics, and other fields.
- To inspire students to pursue further study or research in spectroscopy-related areas.

On 30th April 2024, Department of Microbiology, MSRCASC hosted a guest lecture on "Principle and Applications of Spectroscopy" delivered by Dr. Sudeeksha H C, an esteemed professional with over a decade of experience in the field of spectroscopy for I and II-year BSc



students. Ninety-nine students from I and II-year B. Sc., participated in the event. The lectureaimed to provide students with basic principles and applications of spectroscopy.

The lecture was started by providing an overview of spectroscopy, emphasizing its role in analysing the interaction between matter and electromagnetic radiation. He elucidated the principles behind various spectroscopic methods, including florescence, phosphorescence, and Raman spectroscopy.

Throughout the lecture, Dr. Sudeeksha presented case studies and examples to illustrate the wide-ranging applications of spectroscopy in diverse fields such as organic chemistry, materials science, environmental analysis, and biomedical research. He also discussed recent advances in spectroscopic instrumentation and data analysis techniques, showcasing the evolving landscape of spectroscopic research.

The interactive session allowed students to engage with Dr. Sudeeksha H C, asking questions and sharing their perspectives about Raman spectroscopy and instrumentation. The audience response to the lecture was overwhelmingly positive, with students actively participating in discussions and expressing enthusiasm for learning spectroscopy and instrumentation in their future careers.

The guest lecture had a significant impact on students' appreciation for spectroscopy as a powerful analytical tool. It deepened their understanding of the underlying principles and broadened their awareness of the diverse applications of spectroscopic techniques in research and industry settings.

We extend our sincere gratitude to Dr. Sudeeksha H C for his informative and engaging lecture, as well as Mr. Suresh Kumar, National Business Manager, HORIBA India Pvt. Ltd. A Special thanks to all the students and the faculty members who participated in making the guest lecture a memorable experience.

Outcome:

This guest lecture sparked interest and curiosity among the students and highlighted the relevance of spectroscopy in advancing scientific knowledge and addressing real-world challenges.

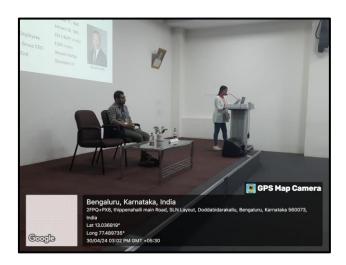


Glimpse of the event















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2	RUCHI SRIVASTAVI	U18EV2380012	ang.	sertisfactory
3.	YUKTHA L	U18EV2250369	#	Very good
4.	M.N. BHAVANA	U18EV2250101	Ishavana	Good & Informative
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02	Varaha. M Priyanka S	U18EV23S0175	D.	very good.
03	Yashaswini UM	U18EV2350050	Value	Very good
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05	Sinchana K	U18E V2250152	Backer	very good
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07	Swapna Sahoo	UIREV 2250294	Suapra	very good
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2.	ACHISOA BEDAMATTA	U18EV2590343	Ashiere.	4.
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4.	Anitha	U18 EV2380166	Anither-	Excellent.
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4)	Ahanya Bharadwaj	018673330373	TORNY	Very Brood.
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8)	Anusha. R	U18 & V225095	Inda	Very good.
a)	Merhitue Roslanh	V1872V2280262	-	Peaceful.
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2.	Mohammed Zain	U18E42720908	1/2	3
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