



# GEMS ARTS AND SCIENCE COLLEGE

An ISO 9001 : 2015 Certified Institution

(A Unit of Global Education and Management Studies Co-operative Ltd., No. M. 782)

(Affiliated to University of Calicut and UGC Recognized under Section 2 (f) of UGC Act 1956)

Ramapuram, Kadungapuram P.O, Malappuram Dt., Kerala. Pin - 679 321, Ph : 04933-256123, 255700

www.gemsasc.ac.in, email: gemsasc@gmail.com

## Letter of Collaboration

Date: 13.1.2021

Place: Ramapuram.

GEMS Arts and Science College and

PA Department of Microbiology, Majlis Arts and Science College, Puramannur

Has signed a letter of collaboration/MoU on 08.11.2021

This Collaboration is for conducting the program entitled:

Biological Sequence Analysis

on 09.12.2021 with 35 number of participants.

Principal

GEMS Arts and Science College



Dr. NAVBEN MOHAN  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321

PRINCIPAL  
MAJLIS ARTS & SCIENCE COLLEGE  
Puramannur P.O, Malappuram Dt  
Kerala - 676552




## ACTIVITY REPORT

### A SESSION ON BIOLOGICAL SEQUENCE ANALYSIS

09.12. 2021


As per MoU signed between PG department of microbiology of Majlis Arts and Science college and GEMS Arts and Science college Ramapuram, a class was organized on 09/12/ 2021 about biological sequence analysis. The class was taken by Dr. Vipina R, assistant professor, department of microbiology, Majlis Arts and Science College, Puramannur. 35 students of B.Sc microbiology participated in the session. The class was very informative and students showed their active interest to study about biological sequence analysis and its importance in the science field.



  
Dr. NAVEEN MOHAN  
PRINCIPAL  
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Photographs



  
Dr. NAVEEN MOHAN  
PRINCIPAL  
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KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321



**GENERAL REQUEST FORMAT FOR PROGRAMS and EVENTS**

Date: 08/12/21

From,

Head of the Department  
PG Department of Microbiology  
GEMS ASC

To,

The Principal  
GEMS Arts and Science College,  
Ramapuram, Malappuram, 679321

Sl No	Name of Department	Name of the Program	Date	Time	
				From	To
1.	PG Dept. of Microbiology	A talk on Biological Sequence Analysis	09/12/21	10.30 am	12.30 pm

Venue: Microbiology Laboratory

Resource person (if any): Dr. Vipina R, HOD, Asst. Professor, Department of Microbiology  
Majlis Arts and Science College.

Associating Clubs/Departments (if any):

Sanctioning Details:

Approved  Not Approved

Dr. NAVEEN MOHAN  
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Signature

Head of the Department  
Department of Microbiology  
GEMS Arts & Science College  
Ramapuram, Kadungapuram Post  
Malappuram (Dt.) - 679 Seal

Note: 1. Brochure shall be displayed/circulated in the college notice board.  
2. Program Report shall be submitted within 5 days.

Circular No: MB/21-22/014

Date:06.12.2021

**CIRCULAR**

This is to inform you all that the PG Department of Microbiology in association with IQAC is organizing a class on '**Biological Sequence Analysis**' on 09.12.2021.

Program details :


Time : 10.30 AM- 12.30PM

Venue : Microbiology Laboratory

Resource person : Dr. Vipina R, Assistant Professor, Department of Microbiology,

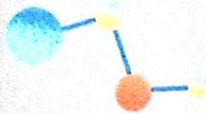
Majlis Arts and Science College, Puramannur.



  
Head of the Department  
Department of Microbiology  
GEMS Arts & Science College  
Ramapuram, Kadungapuram Post  
Malappuram (Dt.) - 679 321



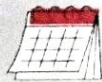
**GEMS Arts and Science college**  
**PG Department Of Microbiology**  
**In Association With IQAC**



A Talk On

# BIOLOGICAL SEQUENCE ANALYSIS

**Dr. VIPINA R**  
**HOD & Assistant Professor**  
**PG Department of Microbiology**  
**Majlis Arts and Science college Puramannur**



**09.12.2021**



**10.30 Am**

**Venue : Microbiology Lab**

**Radbika R Krishna**

Head of the Department  
Department of Microbiology  
GEMS Arts & Science College  
Ramapuram, Kadungapuram Post  
Malappuram (Dt.) - 679 321

**Dr. NAVEEN MOHAN**  
PRINCIPAL  
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MALAPPURAM DT., KERALA-679 321

PARTICIPANT LIST		
EVENT: A Talk on Biological Sequence Analysis		
VENUE: Microbiology Lab		DATE: 19-12-2021
Sl No:	Name	Signature
1.	Nihala.C.M	
2.	Fidha.K.K	
3.	Ajayalax Viju	
4.	Ramees	
5.	FATHIMA SALWA.K.T	
6.	AFFEEFA MAHTABEEN T.K	
7.	Famida Sherin. P	
8.	Rinsha K	
9.	Adbila Musthafa	
10.	Anjana.M	
11.	M.A.Amisha.	
12.	FAHMA.V	
13.	Shana Nasrin.A.K	
14.	Shafana Sherin.	
15.	Jumana Thasni	
16.	Rinsha	
17.	Rasha Vahaj Parha.	
18.	Athulya Geeshaan	
19.	Fathima Hauza.K.P	
20.	Amritha Rajan.M	
21.	Blomisha.P	
22.	Fathimath. Shabla.T.K	
23.	Diyana.A.K	
24.	Shabla Rinsi	
25.	Mohamed Shejhan	
26.	Thithya.P	
27.	Nousrin.M	

INTERNAL QUALITY ASSURANCE CELL[IQAC] | Gems Arts & Science College

Radhika R. Krishnan  
 Department of Microbiology  
 GEMS Arts & Science College  
 Ramapuram, Kadungapuram Post  
 Malappuram (DL) - 679 321

Dr. NAVEEN MOHAN  
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## Letter of Collaboration

Date: 24/11/2022

Place: Ramapuram.

GEMS Arts and Science College and

Maglis Arts and Science College, Puramannur.

Has signed a letter of collaboration/MoU on 08.11.2021

This Collaboration is for conducting the program entitled:

A Seminar on Application of Spectroscopy In Biology.

on 19.11.2022 with 40 number of participants.

Principal

GEMS Arts and Science College

Dr. NAVEEN MOHAN  
PRINCIPAL

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Kerala - 676552

## SEMINAR ON APPLICATIONS OF SPECTROSCOPY IN BIOLOGY

19.11.2022

The seminar on "Applications of Spectroscopy in Biology" was conducted as a part of the Memorandum of Understanding (MoU) between Majlis Arts and Science College and Gems College. This event was organized under the faculty exchange program. The seminar aimed to enhance the knowledge and understanding of the students and faculty members of the Microbiology Department at Majlis College.

Venue: AV Hall, Majlis Arts and Science College


Ms. Resna N K, Assistant Professor in the PG Department of Microbiology at Gems College, served as the resource person for the seminar. With her expertise in the field, she delivered a comprehensive presentation on the applications of spectroscopy in biology. Her session focused on various spectroscopic techniques and their significance in studying biological systems.

The seminar was attended by students and faculty members from the Microbiology Department of Majlis College. The participants actively engaged in the seminar, showing their interest and enthusiasm for the topic.

Ms. Resna N K began the seminar by providing an overview of spectroscopy and its importance in biological research. She discussed different spectroscopic techniques, including UV-visible spectroscopy, infrared spectroscopy, and fluorescence spectroscopy. The resource person highlighted the applications of these techniques in analyzing biomolecules, studying cellular processes, and understanding disease mechanisms.

Ms. Resna N K shared examples of recent research studies where spectroscopy played a crucial role in the field of biology. She also explained how spectroscopic data can be interpreted and utilized for scientific advancements and innovation. The session included interactive discussions, allowing participants to ask questions and clarify their doubts. The seminar on "Applications of Spectroscopy in Biology" provided a platform for students and faculty members from the Microbiology




  
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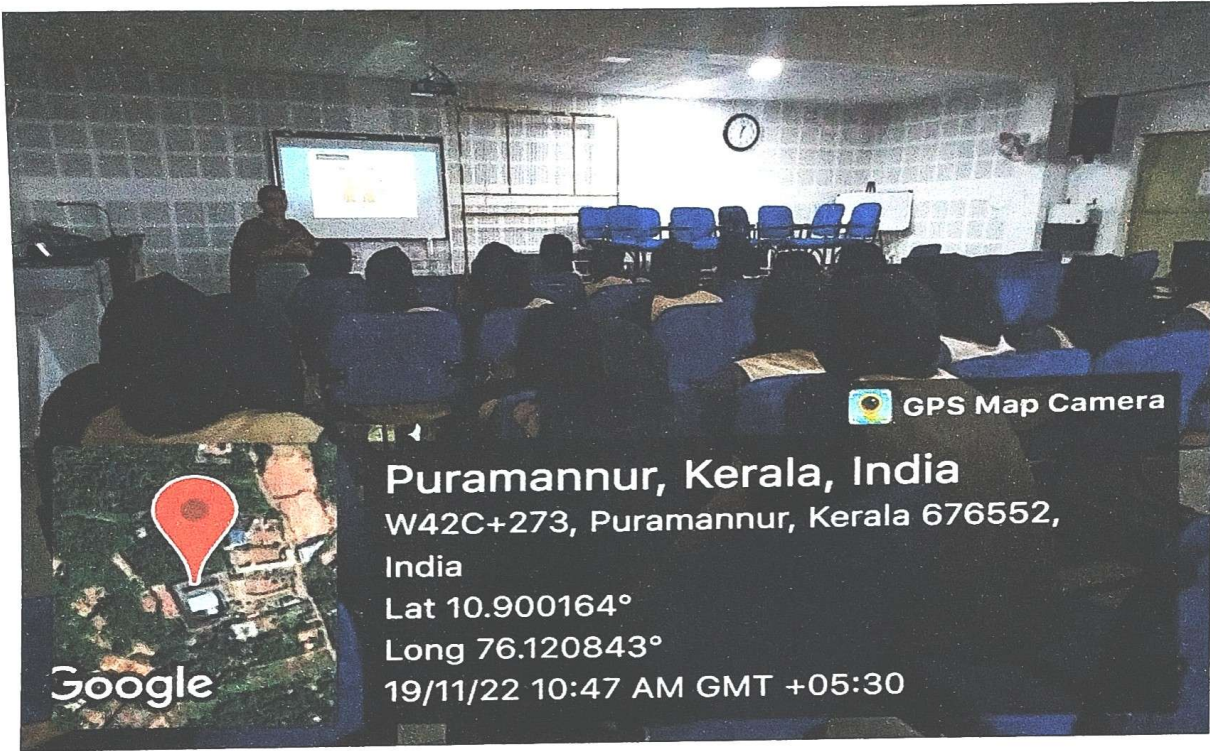
Department at Majlis College to enhance their knowledge and understanding of spectroscopic techniques in the biological context. The session facilitated the exchange of knowledge and ideas between the resource person and the audience, fostering a deeper appreciation for the applications of spectroscopy in the field of biology.


The seminar not only expanded the participants' knowledge but also inspired them to explore further research possibilities in the field. The faculty exchange program between Majlis Arts and Science College and Gems College continues to foster collaborations and knowledge sharing, benefiting both institutions and contributing to the growth of the academic community.



  
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Photographs



  
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**MAJLIS** ARTS AND SCIENCE COLLEGE,  
PURAMANNUR  
NAAC Accredited with A Grade

**PG DEPARTMENT OF MICROBIOLOGY  
IN ASSOCIATE WITH IQAC**

Organise a seminar on  
**APPLICATION OF  
SPECTROSCOPY  
IN BIOLOGY**



**2022 Nov 19**



**AV HALL**

**RESNA N K**

ASSISTANT PROFESSOR  
PG Department of Microbiology  
Gems Arts and Science College, Ramapuram

Radhika R Krishna

Head of the Department  
Department of Microbiology  
GEMS Arts & Science College  
Ramapuram, Kadungapuram Post  
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## Letter of Collaboration

Date: 15/12/2022

Place: Ramapuram.

GEMS Arts and Science College and

Pa Department of Microbiology, Majlis Arts and Science college, Paramannur

Has signed a letter of collaboration/MoU on 08.11.2021

This Collaboration is for conducting the program entitled:

National conference on Phytomedicine.

on 13.12.2022 with 12 number of participants.

Principal

GEMS Arts and Science College



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## NATIONAL CONFERENCE ON PHYTOMEDICINE

13.12.2022

The students of the MSC Microbiology program at GEMS Arts and Science College participated in a two-day National Conference on Phytomedicine. The conference was conducted by Majlis Arts and Science College in collaboration with KSHEC (Kerala State Higher Education Council) as a part of the Memorandum of Understanding (MoU) between the institutions. Venue: Audio Vision Hall, Majlis Arts and Science College, Puramannur. The conference commenced on December 13, 2022, with an inaugural session. Dr. PE. Rajasekharan, Principal Scientist, Division of Plant Genetic Resources, Indian Institute of Horticultural Research, Bangalore, delivered the keynote address in Session I. His talk focused on the importance of plant genetic resources in the field of phytomedicine.

On December 14, 2022, the conference continued with Session II. Dr. Rahul P R, Scientist, Arya Vaidya Sala, Centre for Medicinal Plants Research, Crop Improvement & Biotech Division, Kottakkal, Malappuram, shared his expertise in the field of medicinal plants and their role in traditional medicine. Session III featured a talk by Sujith Subash Eranezhath, Assistant Director & Scientist, AVP Research Foundation, Coimbatore, Tamil Nadu. He discussed the ongoing research and advancements in phytomedicine and highlighted the potential applications of plant-based therapies. A total of 12 MSC Microbiology students from Gems Arts and Science College actively participated in the conference. The students attended all the sessions and engaged in discussions with the speakers. They showcased their knowledge, enthusiasm, and interest in the field of phytomedicine. The students' participation in the two-day National Conference on Phytomedicine provided them with a valuable learning experience. It also served as a platform for networking and establishing connections with professionals in the industry. The students of MSC Microbiology at GEMS Arts and Science College benefited greatly from this conference, gaining insights into the latest advancements and research trends in the field of phytomedicine.



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**Photographs**



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