

DARUL ULOOM HIGHER SECONDARY SCHOOL

THOOTHAP.O., ANAMANGAD VIA, MALAPPURAM DIST., KERALA

Phone : 04933 - 206 400

Manager
NALAKATH SOOPY
Ph: 04933- 227 523

SCHOOL CODE :
11046

Principal
K.K. RAHMATHULLA
Ph: 04933- 205 573, 9847 330 922

Date 22/09/2022

To

The Principal

GEMS Arts and Science College

Ramapuram

Subject: Request for Microbiology Laboratory Access

Dear sir,

I am writing to seek permission to utilize your Microbiology Laboratory of your College for a research-type project for Plus Two Science Group students **MUHAMMED ANFAL JASEEL** and **AYISHA LENA N P**. Our students are eager to delve into practical applications and gain hands-on experience in microbiology. This collaboration would not only enhance their understanding but also contribute to advancing scientific knowledge. We assure you of responsible use and compliance with all regulations. Your support will greatly enrich our educational endeavours.

Thank you for considering our request. We look forward to a positive response.

Sincerely,



RS
2/09/2022
RAHMATHULLA KATTUKANDATHIL
PEN : 232619
PRINCIPAL
DUHSS . THOOTHAP.O., MALAPPURAM - DT
PIN : 679357


PROGRAM REPORT
RESEARCH PROJECT FOR PLUS TWO STUDENTS OF DARUL
ULOOM HIGHER SECONDARY SCHOOL

15.09.2022

The Microbiology lab at GEMS Arts and Science College, Malappuram, played host to a group of enthusiastic students Muhammed Anfal Jaseel and Ayisha Lena N P of Plus two science group from Darul Uloom Higher Secondary School, Thootha, Malappuram on 15.09.2022. The purpose of their visit was to conduct a research project focused on the antibacterial activity of the acetone extract of spider silk against two common bacteria: *Escherichia coli* and *Staphylococcus aureus*. The research project was conducted using the Disc Diffusion method, a widely accepted technique for evaluating the antimicrobial properties of substances. The collaboration between the two educational institutions marked a significant step in fostering interdisciplinary learning and promoting scientific exploration among students. The GEMS Arts and Science College provided access to its state-of-the-art Microbiology lab, equipped with the necessary tools and facilities for conducting sophisticated experiments.

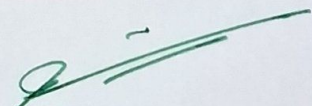
Under the guidance of experienced faculty members of PG department of Microbiology, GEMS Arts and Science College, the students meticulously carried out the experimental procedures. The Disc Diffusion method involved applying the acetone extract of spider silk onto paper discs, which were then placed on agar plates inoculated with *Escherichia coli* and *Staphylococcus aureus*. The zones of inhibition were measured to assess the effectiveness of the spider silk extract against the two bacterial strains. The visit concluded with a debriefing session where the students shared their findings and insights. Such collaborative initiatives between educational institutions contribute to the overall development of students, promoting a culture of research and innovation. The exchange of ideas and resources between Darul Uloom Higher Secondary School and GEMS Arts and Science College exemplifies the power of collaboration in advancing scientific knowledge at the grassroots level. About two students participated.




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

Photographs




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

PARTICIPANT LIST

EVENT: MICROBIOLOGY LAB VISIT OF STUDENTS
FROM DARUL ULDOOM HSS

VENUE:

DATE:

Sl No:	Name	Signature
1.	Aysha Lena NP	Aysha
2.	Abdul Jaseed	Abdul Jaseed
3.	Shamsceer Ali	shamsceer ali

