


## ACTIVITY REPORT

### BIOSINO PROJECT WORKS (2021-22)

During the academic year 2021-22, the students of B. Sc Microbiology and M. Sc Microbiology at GEMS arts and Science College, completed their sixth semester and fourth semester dissertation work respectively at Biosino diagnostic and research centre, Alathiyur Malappuram. Total 6 students successfully completed their project works in the concerned institution. The details of student's project works are given below.

SL. NO	REG. NO	STUDENTS NAME	TOPIC
1	GGATSMB017	Muhsina P K	A comparative study to evaluate the effects of antibiotics and <i>citrus aurantiumdulcis</i> peel extracts on the human oral pathogen
2	GGATSMB022	Asna Sherin K P	
3	GGATSMB027	Lakshmi S	
4	GGATSMB031	Shyma U P	
5	GGAUMMB002	Dhilsha Sheril T	Isolation and characterization of lipase producing microbial isolate and determination of their detergent activity.
6	GGAUMMB013	Shahla Sharbin V P	Anti- biofilm activity of neem, lemon and aloe- vera on bacterial biofilm from food contact surface



  
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MALAPPURAM DT., KERALA-679 321

**“Dedicated towards Diagnosis”**


## CERTIFICATE

This is to certify that the dissertation entitled **“ANTIBIOFILM ACTIVITY OF NEEM, LEMON AND ALOEVERA ON BACTERIAL BIOFILM FROM FOOD CONTACT SURFACE”** submitted to the University of Calicut, Kerala in partial fulfilment for the award of **Degree of Master of Science in Microbiology** by **Miss.SHAHLA SHARBIN.VP (Reg.No.GGAUMMB013)** M.Sc **Microbiology, Department of Microbiology, Gems arts and Science college, Ramapuram** is the result of bonafide research work carried out by her for a period during the month of **December 2021-January2022** under Mr. Mohammed Fairoos.A.T guidance at **Biosino Diagnostic And Research Centre, Alathiyur, Malappuram**. Further, I certify that no part of this Dissertation has been for award of any diploma or degree either in any institution or University and I take this opportunity to wish her good luck.

Date:

Place:



  
**Mohammed Fairoos.AT**  
Research Co-ordinator

**“Dedicated towards Diagnosis”**


## CERTIFICATE

This is to certify that the dissertation entitled “ **ISOLATION AND CHARACTERIZATION OF LIPASE PRODUCING MICROBIAL ISOLATE AND DETERMINATION OF THEIR DETERGENT ACTIVITY.**”submitted to the University of Calicut, Kerala in partial fulfilment for the award of **Degree of Master of Science in Microbiology** by **Miss. DHILSHA SHERIL.T (Reg.No.GGAUMMB002) M.Sc. Microbiology, Department of Microbiology, Gems arts and Science college, Ramapuram** is the result of bonafide research work carried out by her for a period during the month of **December 2021- January2022** under Mr. Mohammed Fairoos.A.T guidance at **Biosino Diagnostic And Research Centre, Alathiyur, Malappuram.** . Further, I certify that no part of this Dissertation has been for award of any diploma or degree either in any institution or University and I take this opportunity to wish her good luck.

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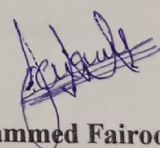
## CERTIFICATE

This is to certify that the dissertation entitled '**A COMPARATIVE STUDY TO EVALUATE THE EFFECTS OF ANTIBIOTICS AND CITRUS AURANTIUM DULCIS PEEL EXTRACT ON THE HUMAN ORAL PATHOGENS**' submitted to the University of Calicut, Kerala in partial fulfilment for the award of **Degree of Bachelors of Science in Microbiology** by **Miss. LAKSHMIS (Reg.No.GGATSMB027) B.Sc. Microbiology, Department of Microbiology, Gems arts and Science college, Ramapuram** is the result of bonafide research work carried out by her for a period during the month of **December 2021- January2022** under my guidance at **Biosino Diagnostic And Research Centre, Alathiyur, Malappuram**. Further, I certify that no part of this Dissertation has been for award of any diploma or degree either in any institution or University and I take this opportunity to wish her good luck.

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