

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Dhanalakshmi S
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 69%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



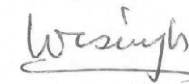
Roll No. : TN11020484

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	41	100	69



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Durgadevi P
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 67%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



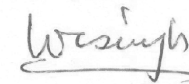
Roll No. : TN11020477

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	39	100	67



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Elaiyaraja S
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 73%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



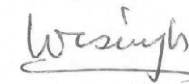
Roll No. : TN11020479

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	45	100	73



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Kalaiselvan
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 60%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



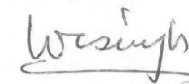
Roll No. : TN11020481

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	34	100	60



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Kavin R K
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 62%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



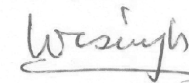
Roll No. : TN11020483

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	36	100	62



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Kaviya M
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 64%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



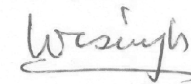
Roll No. : TN11020462

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	25	70	39	100	64



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Kiruthiga C
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 74%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



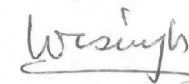
Roll No. : TN11020476

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	46	100	74



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Monish V
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 80%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



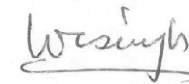
Roll No. : TN11020465

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	52	100	80



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Nandhini S
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 64%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



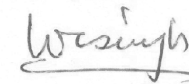
Roll No. : TN11020471

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	36	100	64



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Parameshwaran S
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 78%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



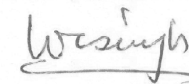
Roll No. : TN11020467

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	50	100	78



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Perumal
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 76%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



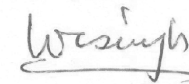
Roll No. : TN11020466

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	48	100	76



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Priya Gothandapani
for successfully completing the 4 credit course
Human Genetics
with a consolidated score of 81%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



Roll No. : TN11010071

*This course was offered by **Dr. Manzoor A. Mir** of University of Kashmir*

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	29	70	52	100	81



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Dr. Salima Jan
Director EMRC Srinagar
University of Kashmir

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Priya S
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 78%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



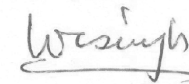
Roll No. : TN11020469

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	50	100	78



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Priyadharshini
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 71%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



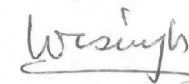
Roll No. : TN11020464

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	45	100	71



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

This certificate is awarded to
Raghul V
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 76%
from the evaluation based on continuous online assessments and the proctored examination held in month of October 2023.



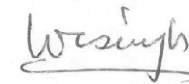
Roll No. : TN11020475

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	50	100	76



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Sowmiya A
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 80%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



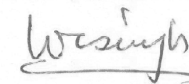
Roll No. : TN11020468

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	52	100	80



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Srinivasan V
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 81%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



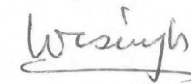
Roll No. : TN11020478

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	55	100	81



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Sriram K
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 73%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



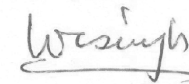
Roll No. : TN11020458

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	28	70	45	100	73



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Vignesh P
for successfully completing the 4 credit course
General Microbiology
with a consolidated score of 72%
from the evaluation based on continuous online assessments and the proctored
examination held in month of October 2023.*



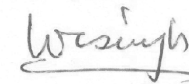
Roll No. : TN11020463

This course was offered by Dr. Ishwori Laitonjam of Manipur University, Imphal

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	26	70	46	100	72



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Prof. W. C. Singh
Registrar
Manipur University, Imphal

DEEPAM DIAGNOSTIC LABORATORY

Computrised Auto Analyser Blood Cell Counter
Pathology - Bio - Chemistry - Bacteriology Sections Attached

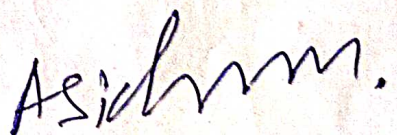
83/86, Peramanur Main Road, Near Hotel Mithila, SALEM - 636 007. Working Hours : 7.00 a.m. to 9.00 p.m.

Date : 10.06.2023

TRAINING CERTIFICATE

This is to certify that Trainy Miss.S.DHANALAKSHMI, II Year
M.Sc., (MICROBIOLOGY) Reg No : 22MPMI1001 Student of Muthayammal
College of Arts & Science ,Rasipuram ,Namakkal - 637408.
DEEPAM DIAGNOSTIC LABORATORY from 26.05.2023 to 10.06.2023 in
our LAB. In this Training period, I found hare a Sincere, Honest,
Hardworking and Dedicated in the Laboratory.

DEEPAM DIAGNOSTIC LABORATORY


A. Sidheshwaran, M.L.T.,
Lab Supervisor.
DEEPAM DIAGNOSTIC LABORATORY
83/86, Peramanur Main Road,
Near Hotel Mithila,
SALEM - 636 007,



GSTIN : 33AAMCS4120L1ZB
PAN No : AAMCS4120L

CIN No : U15209TZ2008PTC014759
FSSAI : 10012042000427

S K A DAIRY FOODS INDIA PRIVATE LIMITED

(ISO 9001 : 2015, ISO 22000 : 2005, ISO 14001 : 2015 EIA Certified Company)

Regd. Office / Factory-1 158/1, South Muthampatti Post, Valappady-Tk., Salem - 636 111, Tamilnadu, India.
Phone : 04292 - 222733, 222655, Email Id : skadairy@gmail.com

Date :09.06.2023.....

CERTIFICATE

This is to certify that Miss. Durgadevi P student of Muthayammal College Of Arts And Science, Namakkal have completed her internship training at our company S K A Dairy Foods India (P) Ltd., located at South Muthampatty post, Vazhapady, Salem, Tamilnadu- 636111.

Course of study : M.Sc. Microbiology

Reg. No : 22PMB002

Period : 26.05.2023 TO 09.06.2023

During this period she was found Punctual, hard working and inquisitive. We wish her every success in Life.

Human Resource Department

SKA DAIRY FOODS INDIA (P) LTD.,
Southmuthampatty (PO.)
Valappady (Tk.)
Salem (Dt.) Tamil Nadu
Pin: 636 111

Certificate of Training

SELVAM DIAGNOSTIC LAB., RASIPURAM

DATE:12/06/2023

This certifies that M/s.M.Kaviya M.Sc., Microbiology, a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, has successfully completed the Internship Program for 10days from 29May 2023 to 7June 2023 In the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of his internship program with us, we found his responsible, enthusiastic and hardworking during him training tenure. We wish him success in him future endeavours.



SELVAM DIAGNOSTIC LAB.,
30, Cutchery Street,
RASIPURAM-637 400.

Authorized Signatures

V. Senthil Kumar .,M.A.,D.M.L.T
Lab Director

GSTIN : 33AAATS8469D1ZD



S. Palanlandi Mudaliar Memorial Hospital


29, Cuddalore Main Road,
Ammamet, SALEM - 636 003.
Phone : 0427-2244500 Cell : 09843024130
E-mail : spmmhospital@gmail.com
Web : www.spmmhospital.com

10.06.2023

CLINICAL TRAINING CERTIFICATE

This is to certify that Ms.KIRUTHIGA.C, II YEAR M.Sc.,
(MICROBIOLOGY) Reg.No.:22PMB008, student of Muthayammal College of
Arts & Science, Rasipuram, Namakkal – 637408, has undergone training in
Laboratory from 26.05.2023 to 10.06.2023 in our Hospital.

for S.PALANIANDI MUDALIAR MEMORIAL HOSPITAL


K.SAKTHIVEL
MANAGER – HRD / SERVICES

S.PALANIANDI MUDALIAR MEMORIAL HOSPITAL
No: 29, CUDDALORE MAIN ROAD,
AMMAPET, SALEM - 636 003.
PH: 0427-2244500

FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MS.NANDHINI.S (REGISTER-NO: 22PMB010)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

WITH REGARDS,

IVORY GULL CANDY COMPANY
SF.NO : 296 / 1C 2,PAVALATHANUR (P)
THESAVILAKKU SOUTH (V)
THARAMANGALAM BLOCK, OMALUR (T K)
Salem (Dt) 636 502 Tamil Nadu, India

FANTASY

(LAKSHMANAN KUMAR)

A circular stamp with the text 'IVORY GULL CANDY COMPANY' around the perimeter and 'DIRECTOR' in the center. Below the stamp is a handwritten signature in black ink.



GSTIN : 33AAMCS4120L1ZB

PAN No : AAMCS4120L

CIN No : U15209TZ2008PTC014759

FSSAI : 10012042000427

S K A DAIRY FOODS INDIA PRIVATE LIMITED

(ISO 9001 : 2015, ISO 22000 : 2005, ISO 14001 : 2015 EIA Certified Company)

Regd. Office / Factory-1 158/1, South Muthampattil Post, Valappady-Tk., Salem - 636 111, Tamilnadu, India.

Phono : 04292 - 222733, 222655, Email Id : skadairy@gmail.com

Date : 09.06.2023

CERTIFICATE

This is to certify that Miss. Priya G student of Muthayammal College Of Arts And Science, Namakkal have completed her internship training at our company S K A Dairy Foods India (P) Ltd., located at South Muthampatty post, Vazhapady , Salem , Tamilnadu- 636111 .

Course of study : M.Sc. Microbiology

Reg. No : 22PMB013

Period : 26.05.2023 TO 09.06.2023

During this period she was found Punctual, hard working and inquisitive. We wish her every success in Life.

Human Resource Department

SKA DAIRY FOODS INDIA (P) LTD.,

Southmuthampatty (PO.)

Valappady (Tk.)

Salem (Dt.) Tamil Nadu

Pin: 636 111

Factory-2 Sathinayakanpalli Villago, Kakkadasam Post, Donkanikotta-Tk, Krishnagiri - 635 107, Tamilnadu.

Phono : 04292 - 222733, 222655, E-mail Id : skadairythally@gmail.com

FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MS.PRIYA.S (REGISTER NO: 22PMB014)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

WITH REGARDS,


GULL CANDY COMPANY
DIRECTOR
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Salem (Dt) 636 502 Tamil Nadu, India

10/6/23

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Certificate of Training

Rajvel Hospital, Sankarapuram

Date : 06/06/2023

This Certifies that Mis.M.Priyadharshini I M.Sc.,Microbiology, a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, has successfully completed the Internship Program for 10 days from 26th May 2023 to 04th June 2023 in the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, sample collection, reagents preparation, and identify the patient diseases, During this period of his internship program with us, we found his responsible, enthusiastic and hardworking during him training tenure. We wish him success in him future endeavours.

R. Karthik
Dr.R.KARTHIK, MBBS., CDM.,
Reg. No. 99123

RAJVEL HOSPITAL,
No.6, North Street,
Kattuvannanur,
Sankarapuram - 606 401.

Authorized Signatures

Dr.R.Karthik, MBBS.,

Rajvel Hospital, Sankarapuram

FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MS.SOWMIYA.A (REGISTER NO: 22PMB018)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

IVORY GULL CANDY COMPANY
SF.NO 296 / 1C 2,PAVALATHANUR (P)
THESAVILAKKU SOUTH (V)
THARAMANGALAM BLOCK, OMALUR (T.K)
Salem (Dt) 636 502 Tamil Nadu, India

10/6/23

FANTASY

WITH REGARDS,


DIRECTOR
(LAKSHMANAN KUMAR)

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CERTIFICATE OF INTERNSHIP

This is to certify that Mr. S. ELAIYARAJA with Reg. No: 22MPMI1010 student of II M.Sc.,Microbiology, Muthayammal College of Arts and Science, Rasipuram have successfully completed the Internship Programme from 29.05.2023 to 12.06.2023 in our Laboratory/Institution Mycoblooms Mushroomery Private Limited, Arasur, Coimbatore.

Signature of the Director with seal

For Mycoblooms Mushroomery Pvt. Ltd.


Refana Shahul
Director



SMR DIAGNOSTICS LAB & XRAYS

SMR இரத்தப் பரிசோதனை நிலையம் & நுண் கிருமிகள் ஆய்வுக்கூடம்

495, 496, Kalinga Nilayam,

Trichy Main Road, Gugaipalam, Salem - 636 006.

Ph : 0427 - 2467098, Cell : 97866 61003

CERTIFICATE FOR INTERNSHIP PROGRAM

This is to certify that MR.K.KALAI SELVAN (22MPMI1011)

(M.sc) Microbiology Second year from MUTHAYAMMAL
COLLAGE OF ARTS AND SCIENCE has training in our laboratory at
26.05.23 to 10.06.23.

He has successfully completed summer internship on
A BASIC SEROLOGY, HAEMATOLOGY AND BIOCHEMISTRY
METHODS FOR DIAGNOSIS BY USING CLINICAL SAMPLE.

During the period of this internship program, He was very
attentive ,hardworking and energetic to discharge his
duties. Moreover, He devotion, sincerity and honesty were quite
impressive and praiseworthy.

I wish his every success in he future endeavors.


**SMR DIAGNOSTIC
LAB & XRAYS**

495, 496, Kalinga Nilayam,

Trichy Main Road,

GUGAI, SALEM-636 006.

Cell: 0427-4043232, Cell: 97866 61003

An ISO 9001:2008 Certified Laboratory

KH/HR/INT/KHO/2023/0040

15/06/2023

CERTIFICATE

This is to certify that Mr Karthikeyan M, student of Muthayammal College of Arts and Science, Rasipuram has undergone internship training at Kauvery Hospital Medical Services Private Limited from 05-06-2023 to 15-06-2023.

We wish him all the best for future endeavor.

For Kauvery Hospital Medical Services Private Limited

M. Prakash
LABORATORY
15/6/23



J. Preethi
Human Resource Department



FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MR.KAVIN.R.K (REGISTER NO: 22PMB006)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

WITH REGARDS,

IVORY GULL CANDY COMPANY
SF.NO.296/1C2,PAVALATHANUR (P)
THESAVILAKKU SOUTH (V)
THARAMANGALAM BLOCK, OMALUR (TK)
Salem (Dt) 636 502 Tamil Nadu, India

10/6/23

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GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MR.MONISH.V (REGISTER NO: 22PMB009)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.




THANKING YOU,

WITH REGARDS,

IVORY GULL CANDY COMPANY
SF.NO : 296 / 1C 2, PAVALATHANUR (P)
THESAVILAKKU SOUTH (V)
THARAMANGALAM BLOCK, O.MALUR (TK)
Salem (Dt) 636 502 Tamil Nadu, India

FANTASY

L

DIRECTOR
(LAKSHMANAN KUMAR)

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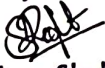


CERTIFICATE OF INTERNSHIP

This is to certify that Mr. S. PARAMESHWARAN with Reg. No: 22MPMI1015 student of II M.Sc.,Microbiology, Muthayammal College of Arts and Science, Rasipuram have successfully completed the Internship Programme from 29.05.2023 to 12.06.2023 in our Laboratory/Institution Mycoblooms Mushroomery Private Limited, Arasur, Coimbatore.

Signature of the Director with seal

For Mycoblooms Mushroomery Pvt. Ltd.


Refana Shahul
Director

GSTIN : 33AAATS8469D1ZD



S. Palaniandi Mudalliar Memorial Hospital


29, Cuddalore Main Road,
Ammamet, SALEM - 636 003.
Phone :0427-2244500 Cell :09843024130
E-mail :spmhospital@gmail.com
Web :www.spmhospital.com

10.06.2023

CLINICAL TRAINING CERTIFICATE

This is to certify that Mr.PERUMAL.R, II YEAR M.Sc.,
(MICROBIOLOGY) Reg.No.:22PMB012, student of Muthayammal College of
Arts & Science, Rasipuram, Namakkal – 637408, has undergone training in
Laboratory from 26.05.2023 to 10.06.2023 in our Hospital.

for S.PALANIANDI MUDALIAR MEMORIAL HOSPITAL


K.SAKTHIVEL
MANAGER – HRD / SERVICES

S. PALANIANDI MUDALIAR MEMORIAL HOSPITAL
No: 29, CUDDALORE MAIN ROAD,
AMMAPET, SALEM - 636 003.
PH: 0427-2244500

FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MR.RAGHUL.V (REGISTER NO: 22PMB016)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

IVORY GULL CANDY COMPANY
SF.NO : 296 / 1C 2, PAVALATHANUR (P)
THESAVILAIKKU SOUTH (V)
THARAMANGALAM BLOCK, OMALUR (TK)
Salem (Dt) 636 502 Tamil Nadu, India

10/6/23

FANTASY

WITH REGARDS,


DIRECTOR
(LAKSHMANANIKUMAR)

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FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MR.SRINIVASAN.V (REGISTER NO: 22PMB019)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.



THANKING YOU,

WITH REGARDS,

IVORY GULL CANDY COMPANY
SF.NO.296/1C2,PAVALATHANUR (P)
THESAVILAKKU SOUTH (M)
THARAMANGALAM BLOCK, OMALUR (TK)
Salem (Dt) 636 502 Tamil Nadu, India

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Cell : 99623 22606, 98406 35334 Lab Cell : 99419 34240 E-mail: suren901@gmail.com

INTERNSHIP CERTIFICATE

This is to certify that MR. SRIRAM K (Roll No : 22PMB020),
II M.Sc Microbiology, Muthayammal College of Arts & Science, Rasipuram,
Namakkal - 637408. He has undergone 15 days (26.05.2023 to 10.06.2023)
Internship Training in our Laboratory. He has completed his training
successfully.

10.06.2023




Authorized Signature

FSSAI LIC No : 12421018002102

GSTIN : 33ASTPM0256D4ZR

IVORY GULL CANDY COMPANY

Sf.No.296/1C2, Pavalathanur Post,
Tharamangalam-636502, Salem (Dt), INDIA.

Date : 10.06.2023

INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT MR.VIGNESH.P (REGISTER NO: 22PMB021)
STUDYING 2ND YEAR M.SC MICROBIOLOGY IN MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,
RASIPURAM – 637 408 HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL INTERNSHIP IN OUR
COMPANY FROM 27.05.2023 TO 10.06.2023

WE WISH THE STUDENT THE VERY BEST IN ALL THEIR FUTURE ENDEAVOURS.




IVORY GULL CANDY COMPANY
SF.NO :296 / 1C 2,PAVALATHANUR (P)
THESAVILAKKU SOUTH (V)
THARAMANGALAM BLOCK, OMALUR (TK)
Salem (Dt) 636 502 Tamil Nadu, India

10/6/23

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THANKING YOU,

WITH REGARDS,


DIRECTOR
(LAKSHMANAN KUMAR)

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23, SKS Hospital Road,
Alagapuram, Salem - 4
Email: info@biolinelab.com
Phone: (0422) 4200 099; 4366 999

CERTIFICATE OF TRAINING

This is to Certify that **Ms. P. Anjali,(21UMB001) Department of Microbiology Muthayammal College of Arts and Science, Rasipuram** has successfully completed fifteen days training programme with hands-on and observations of various Clinical Biochemistry, Haematology, Microbiology & Serology procedures including quality control of various parameters from 29-05-2023 to 12-06-2023 at Bioline Laboratory, Salem.

V22

Dr. U. Senthil Kumar
Founder & CEO

Dr. G.D.P.S Augustus
Co-Ordinator - Training & Research

Dr. J. Mehrunnissa
Consultant Microbiologist



Mobile : 95663 33029 Ph : 04282 - 242899

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No. 8 & 9, Railadi Street C S I Complex Attur - 636 102
Email - hitechlabattur@gmail.com

INTERNSHIP CERTIFICATE

This is to certify that Miss.M.BABY (Reg.No: 21MUMB1002)
B.Sc-III Year,Muthayammal College of Arts And Science,Rasipuram,TK
Namakkal - 637408. He has Undergone 15 days (26.05.2023 – 09.06.2023)
Internship Training in our Lab . He has completed his training successfully.

P. S. S.
09/06/23

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DIAGNOSTIC CENTER

**HI-TECH DIGITAL X-RAYS
& DIAGNOSTIC CENTRE**

No: 9, Railadi Street, C. S. I. Complex
ATTUR - 636 102

Dr. R. Sukumar

M.B.B.S., M.S. (Gen) FAIS., FICS
SKIN, GENERAL & LAPAROSCOPIC SURGEON



Ramadas Nursing Home

443/133-TRICHY ROAD, GUGAI, SALEM-636 006.
Ph: 0427-2213575

EXPERIENCE CERTIFICATE

This is to certify that BHUVANESHWARI.S Reg.no: 21MUMB1003

B.Sc Microbiology (III Years) at Muthayammal College of Arts & Science,

Rasipuram (T.K), Namakkal-637408 had attended as an observer at our Lab

Sukumar Clinical Lab attached to our hospital from 24.05.2023 to 09.06.2023

for a period of 15 days.

Dr. R. SUKUMAR,
M.B.B.S., M.S., (Gen), FICS, FAIS
CONSULTANT SURGEON
Reg. No: 43098.
Ramadas Nursing Home,
133, Trichy Road,
GUGAI. SALEM - 636 006

RAMADAS SUKUMAR HOSPITAL

33/36 Rang Street, Gugai, Salem - 636 006.



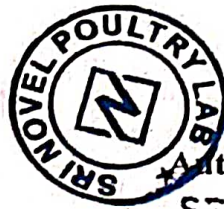
SRI NOVEL POULTRY LAB

2/280/14 -11, PAARAI THOTTAM, CHINNAMUDHALAI PATTY,
Salem Road, NAMAKKAL - 637 001.
EMAIL ID: srinovelpoultrylab.nam@gmail.com
CELL : 99523 97918

DATE: 13.06.23

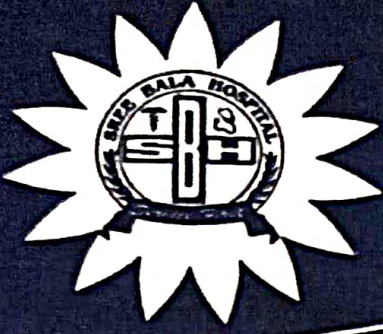
INTERNSHIP CERTIFICATE

- This is to certify that Miss. **DEEPIKA.R** (ROLL NO : 21UMB006)
B.SC (III – Year Muthaayammal college of Art's and science,
Rasipuram –TK, Namakkal – 637408).
- She has undergone 15 days (26.05.2023) to (09.06.2023) internship
training in our lab.
- She has completed her training successfully.



Authorized Signature

SRI NOVEL POULTRY LAB
No 2 / 280 / 14 11, Paarai Thottam,
Chinnamudhalai patty,
Salem Road, NAMAKKAL - 637001.
Cell : 99523 97918
E-mail srinovelpoultrylab.nam@gmail.com



PH: 04292-224466, 83444 92607

SREE BALA HOSPITAL

33-A, Perumal Street, VALAPADY-636 115, Salem Dt.

07.06.2023

INTERNSHIP CERTIFICATE

This is to certify that Miss. P.DEVAPRIYA, (Reg No.21MUMB1005) IIIrd Year BSc (Microbiology) student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram – Tk, Namakkal – Dt. Under went she was successful complete in internship training for 15 days (24.05.2023 – 07.06.2023) in our hospital.

[Handwritten Signature]
8/6/2023

PH: 04292-224466
SREE BALA HOSPITAL
33-A, Perumal Street
VALAPADY (Po. & Tk)
SALEM (Dt.)-636 115.



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Computerized Diagnostic Center

☎ 94 89 55 76 47

✉ doctorshiolabrasipuram@gmail.com

📍 14B, V.Nagar, Road No-11, Aravind Hospital Opp,
Pariyasamy Shop Bus Stop, RASIPURAM-637 408, Namakkal Dt.

CERTIFICATE OF INTERNSHIP

This is certify that

Ms.V.DHARSHINI

(21MUMB1006)

Final year B.Sc Student. Department of Microbiology.

Muthayammal College of Arts & Science

Rasipuram-Tk., Namakkal-637408. She has Successfully

Completed the Hands on Internship in "CLINICAL LABORATORY

EQUIPMENTS & BIOMEDICAL TECHIQUES at "DOCTOR'S BIO LAB
(Computerized Diagnostic Center)" 14B, V.Nagar, Road No 11,
Aravind HospitalOpp, Rasipuram- 634708. Namakkal DT,

This Period of Completion from.


24.05.2023 to 11.06.2023

Date: 11/06/2023

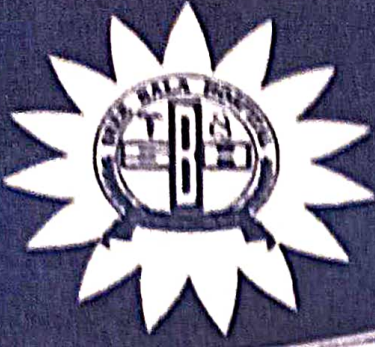
Signature of

Place: Rasipuram

Lab Technician


B. REVATHI, DMLT,
DOCTOR'S BIO LAB
14B, V. Nagar-11, Pariyasamy Shop Bus stop
Opp. ARAVIND HOSPITAL RASIPURAM-637408.
For **DOCTOR'S BIO LAB** 9489557647

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PH: 04292-224466, 83444 92607

SREE BALA HOSPITAL

33-A, Perumal Street, VALAPADY-636 115, Salem Dt

08.06.2023

INTERNSHIP CERTIFICATE

This is to certify that Miss. D.GIRIJADEVI, (Reg No.21MUMB1008) IIIrd Year BSc (Microbiology) student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram – Tk, Namakkal – Dt. Under went she was successful complete in internship training for 15 days (25.05.2023 – 08.06.2023) in our hospital.

PH: 04292-224466

SREE BALA HOSPITAL

33-A, Perumal Street
VALAPADY (Po. & Tk)
SALEM (Dt.)-636 115.



**SREE JAYAM ORTHO &
MULTI SPECIALITY HOSPITAL**
THE HANDS THAT CARE

INTERNSHIP CERTIFICATE

This is to certify that Miss.Govarthini.S.P (Roll No:21MUMB1009) B.sc (3rd year), Muthayammal College of Arts & Science, Rasipuram (Tk), Namakkal (Dt). She has undergone 15days (25.05.2023 to 09.06.2023) Internship Training in our hospital, She has completed her training successfully.

Date: 09.06.2023

Place: Mallur

N. Kirubakaran

Dr.N. Kirubakaran M.S. Ortho (Rus), D.Ortho.,

Managing Director

DR.N.KIRUBAKARAN
M.S.ORTHO (RUS), D.ORTHO.,
CONSULTANT ANTI-OPPLEASTY & TUMOUR SURGEON
REG. NO: 80987
SREE JAYAM ORTHO & MULTI SPECIALITY HOSPITAL
MALLUR, SALEM-636 203.

ஸ்ரீ ஜெயம் என்ஜிஎம்சிஎல் மற்றும் பலதுறை மருத்துவமனை

**DR. கிருபா மருத்துவமனை சாலை,
நேசிய நெடுஞ்சாலை - 44, மல்லூர், சேலம்.
0427-2422411, 2423411, 89254 05700**

**DR. KIRUBA HOSPITAL ROAD, NATIONAL HIGHWAY - 44,
MALLUR, SALEM - 636 203.**

**WEB : www.sreejayamhospital.com
E-MAIL : sreejayamhospital@gmail.com**



SUDHA HOSPITAL

PO 25, Near Marudagan Kovil
Aradipakkam Road, Rasipuram 637 408

June 13, 2023

TO WHOM IT MAY CONCERN

This is to certify that Ms. M. Gowshika third year B Sc Microbiology student from Muthayanmal college of art & science has Undergone internship at our 25 bedded Sudha hospital from 26/05/2023 to 11/06/2023 During her internship she has undergone training satisfactorily and her conduct and character were found to be good

Dr. S. Sudha, MBBS, DGO
& S. SUDHA, M.M.S, D.G.O
Reg. No 7607A,
Obstetrician & Gynaecologist
Rasipuram



Bharath
Diagnostic Centre
— Since 1978 —

DATE:09.06.2023

INTERNSHIP CERTIFICATE

This is to certify that **Miss . HARISHINIS D/O SINGARAVELU.C**
(Reg No :21MUMB1011) B.Sc. Microbiology (IIIrd year), Muthayammal
College of Arts & Science, Rasipuram - Tk , Namakkal-637408. She has
undergone 15 days (25.05.2023 to 09.06.2023) Internship Training in our
laboratory. She has completed her training successfully.

for

R. Sai *TD*
[SACANYA.R]
BHARATH DIAGNOSTIC CENTRE
AUTHORIZED SIGNATURE
7/13, Trichy Main Road,
NAMAKKAL - 637 001.
Cell: 98439 66677

T. Revathy, M.Sc., Micro Biologist

S. Selvakumar, M.Sc., Bio Chemistry

T.P.E. Gogulraajan, B.Sc., M.L.T., Lab In-Charge



#71/13, Trichy Main Road, Namakkal - 637 001

+91 - 93447 66677 ☎ 98439 66677 📍

helpdesk.bharath@gmail.com 📧





SRI KUMARAN HOSPITAL

774, P.N.Road, Near New Bus Stand, Tiruppur - 641 602.

Phone : 0421-433 0000, Emergency Contact No : 97500 00108

e-mail : info@srikumaranhospital.org. Website : www.srikumaranhospital.org



13th June 2023

INTERNSHIP CERTIFICATE

This is to certify that Miss. D. INDIJUJA (21MUMB1012), Muthayammal College of Arts & Science, Rasipuram has undergone internship training in our concern a Department of Microbiology from a period of 29th May 2023 to 13th June 2023.

During his tenure conduct and character has been good.

We wish him success in all his future endeavors.

B. Umamaheswaran

Mr.B.Umamaheswaran

General Manager – Operations

Sri Kumaran Hospital

13/6/23



Certificate of Internship

VIJAY COMPUTERISED LABORATORY, PILLANALLUR

Date: 07/06/2023

This Certifies that Miss. S. Jeevitha, III B.Sc., Microbiology, (Reg.No: 21MUMB1013) a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, She has successfully completed the Internship Program for 15 days from 24th May 2023 to 7th May 2023 in the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of her internship program with us, we found her responsible, enthusiastic and hardworking during her training tenure. We wish her success in future endeavours.

Authorized Signatures

K.Vijay Ramasamy, M.sc., M.Phil, Microbiology (TK), Namakkal, Dt
Lab Proprietor

VIJAY COMPUTERISED LAB

Pillanallur Bus Stop,

Pillanallur - 637403

Cell : 9385510264



**Greenlink Analytical and Research
Laboratory (India) Private Ltd.**

S.F. No. 414/1, Tex Park Road, Opp. Good Luck Syndicate,
Civil Aerodrome Post, Coimbatore - 641 014. Tamilnadu, INDIA.
Tel : +91 422 2901999 | Mob : +91 95245 81999, +91 95249 81999
Email : enquiry@greenlinklabs.com, info@greenlink.in



CERTIFICATE

This is to certify that Ms. **KAVIYA M (21UMB063)** student of the Department of Microbiology, Muthayammal College of Arts and Science, Namakkal, has completed her internship programme for a period of 15 days (26.05.2023 to 12.06.2023) in the field of **Water, Waste Water and Soil Analysis, Environmental Monitoring and Food Testing Techniques** at Greenlink Analytical and Research Laboratory [India] Private Limited, Coimbatore.

Place : Coimbatore
Date : 12.06.2023



V.C. Geetha
Authorized Signatory
(V.C.Geetha)



VISHNU CLINICAL LAB & ECG Computerised

Rasipuram Main Road,
Vaiyappamalai.

Regd.No : NMKLALL20190006415

Cell : 9443027968
8072027080

INTERNSHIP CERTIFICATE

This is to certify that Miss.KAVIYASRI. V. (Reg no;
21MUMB1016) B.Sc (III rd year), Muthayammal college of
arts & science, Rasipuram, – TK, namakkal – 637408. She
has undergone 15 days (24.05.2023 to 09.06.2023) internship
Training in our Vishnu clinical lab & ECG vaiyapamalai . She
has completed her training successfully.

Thanking you,

Lab assist,

P. Sasi



Authorized Signature

[Handwritten Signature]

VISHNU LAB & ECG

Rasipuram Main Road,

Vaiyappamalai

Cell : 80720 27080, 94430 27968

Lab-Asst

Lab-tech



RAJA DIAGNOSTIC LAB & ECG

ராஜா இரத்தப் பரிசோதனை நிலையம்
Computerized Laboratory, ECG & X-Ray

49A, கிருஷ்ணவேணி திருமண மண்டபம் எதிரில், R.S. ரோடு,
பள்ளிபாளையம், நாமக்கல்-(Dt)-638006

Lab no: 93611-25600 , Cell no: 96985-09972, Mail :rajalaboratory9@gmail.com

Req.No;PMLEWA/LAB/TN/0728/NMK/038

CERTIFICATE FOR INTERNSHIP

This is to Certify that Ms. MADHUMITHA.E (21MUMB1017), B.Sc(Microbiology) Muthayammal College Of Arts & Science Rasipuram-637408, Namakkal(Dt) has undergone an **INTENSHIP** in our organization From 23.05.2023 To 06.06.2023.

During the above training period, her character and conduct are *good*

We wish her all success in his future endeavors.

DATE: 07.06.2023



Dr. M. S. S. S. S.
Chief Of Laboratory & Biochemist
RAJA DIAGNOSTIC LAB
49A, K Krishnamoorthy Thirumala Muttam Road Opposite
Cavary R SRoad, Pallipalayam (Po) - 638 006



DOCTOR'S BIO LAB
டாக்டர்ஸ் பயோ லேப்
Computerised Diagnostic Center

☎ 94 89 55 76 47

✉ doctorshilab@rasipuram@gmail.com

📍 14B, V Nagar, Road No 11, Aravind Hospital Opp,
Periyasamy Shop Bus Stop, RASIPURAM 637 408, Namakkal Dt.

CERTIFICATE OF INTERNSHIP

This is certify that

Ms.P.MONISHA

(21MUMB1018)

Final year B.Sc Student. Department of Microbiology.

Muthayammal College of Arts & Science

Rasipuram-Tk., Namakkal-637408. She has Successfully
Completed the Hands on Internship in "CLINICAL LABORATORY
EQUIPMENTS & BIOMEDICAL TECHIQUES at "DOCTOR'S BIO LAB
(Computerized Diagnostic Center)" 14B, V.Nagar, Road No 11,
Aravind Hospital Opp, Rasipuram- 634708. Namakkal DT,

This Period of Completion from.


24.05.2023 to 11.06.2023

Date: 11/06/2023

Signature of

Place: Rasipuram

Lab Technician


B. REVATHI, DMLT.
DOCTOR'S BIO LAB
14B, V Nagar 11 Periyasamy Shop Bus stop
Opp ARAVIND HOSPITAL, RASIPURAM 637408
For DOCTOR'S BIO LAB
94 89 55 76 47

Lab Equipped with fully automated BIO CHEMISTRY ANALYSER, CELL COUNTER, ECG



VISHNU CLINICAL LAB

(COMPUTERISED)

Near Indian Overseas Bank, Rasipuram Tk.,
Namakkal Dt.



9443027968

8675792179

INTERNSHIP CERTIFICATE

This is to certify that MISS. NANDHINI.P (Reg no; 21MUMB1019) B.Sc (III rd year), Muthayammal college of arts & science, Rasipuram, -TK, namakkal -637408 . She has undergone 15 days (24.05.2023 to 09.06.2023) internship Training in our Vishnu clinical lab & ECG rasipuram. She has completed her training successfully.

Thanking you,

Lab assist,



Authorized Signature



INTERNSHIP CERTIFICATE

This is to certify that **Miss. Nithya. M (Reg. No. 21MUMB1021)** **B.Sc., Microbiology (IIIrd Year)**, Muthayammal College of Arts & Science, Rasipuram-Tk, Namakkal-637408. She has undergone 15 days (25.05.2023 to 08.06.2023) Internship Training in **JCS Scans and Diagnostics**. She has completed her training successfully.

Authorized Signature

Regn. No: 64442
Senior Consultant Radiologist,
JCS SCANS AND DIAGNOSTICS,
1-C, T.V.S. Street,
Rasipuram, Namakkal (Dt).



TRAINING CERTIFICATE

This is to certify that Ms.S.PAPPIYA (R.No 21UMB060),
SECOND Year B.Sc student (Micro Biology), Muthayammal
college of arts & science, Rasipuram, Underwent training
regarding handling of Centrifuge, Haematology
Analyzers, Microscopy, PT- APTT for Blood Clot
Analysis, Syringe pump, Infusion Pump, ECG, Ventilator,
Ultrasound, at Geeth Ragunath Hospital, Attur.

Training Period - 27.05.2023 to 10.06.2023.

She is a sincere, Obedient and hard working student. I
wish her for a happy and prosperous life in the future.



10/6/23
Dr.R.RABINDRANATH, M.B.B.S., D.A.
RECD. No: 65702,
GEETH RAGUNATH HOSPITAL
No:2, Gandhi Nagar,
Attur-636 102, Salem (Dt).

GEETH RAGUNATH HOSPITAL

No: 2, Gandhi Nagar, Attur - 636 102. Salem District. Ph : 04282 - 255999 (100 Lines)
email : geethragunath@gmail.com, geethragunathhospital@gmail.com
Website: www.geethragunathhospital.com



MANICKAM HOSPITAL

(MULTI SPECIALITY HOSPITAL)

176-B1/418, Anna Salai, Near New Bus Stand, RASIPURAM - 637 408.
Namakkal-Dt. ☎ : 04287 - 222040.



INTERNSHIP CERTIFICATE

This is to certify that **Miss. K. Preethi**, (Roll No : 21UMB031) B.Sc Microbiology (IIIrd Year), Muthayammal College of Arts & Science, Rasipuram – Tk, Namakkal - 637408. She has undergone 15 days (25.05.2023 to 08.06.2023) Internship Training in our Hospital. She has completed her training successfully.



U. Aravind

Authorized Signature
Dr. M. VIJAYAKUMAR, M.S.

Reg. No. 66926
MANICKAM HOSPITAL
RASIPURAM - 637 408



Kamalambikai
Laboratory Services

07.06.2023

INTERNSHIP CERTIFICATE

This is to certify that Ms.J.Priyanka (Reg No:21MUMB1024) B.Sc.,(III year Microbiology), Muthayammal College of Arts & Science ,Rasipuram-Tk,Namakkal - 637408 has undergone 15 days (24.05.2023 to 07.06.2023) internship Training in Our Laboratory. She has completed her training successfully.

For

R.R. P.
07/06/23

V.VIJAI ANANDAN M.Sc (Micro)., M.Sc (Embriyology).,D.M.L.T.,

PROPRIETOR

KAMALAMBIKAI LABORATORY SERVICES

J.S HOSPITAL



INTERNSHIP CERTIFICATE

This is to certify that **Miss. Priyanka. P (Reg. No. 21MUMB1025)** **B.Sc., Microbiology (IIIrd Year)**, Muthayammal College of Arts & Science, Rasipuram-Tk, Namakkal-637408. She has undergone 15 days (25.05.2023 to 08.06.2023) Internship Training in **JCS Scans and Diagnostics**. She has completed her training successfully.

Authorized Signature

Dr. J. CHITRA, M.B.B.S., D.M.R.D.,
Regn. No: 64442
Senior Consultant Radiologist,
JCS SCANS AND DIAGNOSTICS,
1-C, T.V.S. Street,
Rasipuram, Namakkal (Dt).



VARUN HOSPITAL



4, Kandappan Street,
Rasipuram - 637 408,
Namakkal Dt.

Ph: 04287- 226900

Cell : 76393 36700, 90877 21423

varunhospital20@gmail.com

TO WHOMSOEVER IT MAY CONCERN

THIS IS TO CERTIFY THAT MS. K PUGAZEESWARI,
ROLL NO- 21UMB034, STUDYING III YEAR BSC MICROBIOLOGY IN
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE, RASIPURAM,
NAMAKKAL(DT), HAVE SUCCESSFULLY COMPLETED INTERNSHIP IN
VARUN HOSPITAL LAB, FOR A PERIOD OF 15 DAYS FROM 25.05.2023 TO
10.06.2023.

K. Udhaya

10/06/2023

DR. K.UDHAYA M.D.,B.S.,M.D.,
Reg.No.68990

REGISTERED MEDICAL PRACTITIONER,
VARUN HOSPITAL,
RASIPURAM - 637 408.



INTERNSHIP CERTIFICATE

This is to certify that Miss. **Rajammal. M** (Reg. No. 21MUMB1027) **B.Sc., Microbiology (IIIrd Year)**, Muthayammal College of Arts & Science, Rasipuram-Tk, Namakkal-637408. She has undergone 15 days (25.05.2023 to 08.06.2023) Internship Training in **JCS Scans and Diagnostics**. She has completed her training successfully.

Authorized Signature

Dr. J. CHITRA, M.B.B.S., D.M.K.V.,
Regn. No: 64442
Senior Consultant Radiologist,
JCS SCANS AND DIAGNOSTICS,
1-C, T.V.S. Street,
Rasipuram, Namakkal (Dt).



INTERNSHIP CERTIFICATE

This is to certify that **Miss. Roselinjoy. J (Reg. No. 21MUMB1028)**
B.Sc., Microbiology (IIIrd Year), Muthayammal College of Arts & Science,
Rasipuram-Tk, Namakkal-637408. She has undergone 15 days (25.05.2023 to
08.06.2023) Internship Training in **JCS Scans and Diagnostics**. She has
completed her training successfully.

Authorized Signature

Dr. J. CHITRA, M.B.B.S., D.M.R.D.,
Regn. No: 64442
Senior Consultant Radiologist,
JCS SCANS AND DIAGNOSTICS,
1-C, T.V.S. Street,
Rasipuram, Namakkal, TN.



SRIMEHAA CLINICAL LABORATORY & ECG

Computerized Diagnostic Center

23, Gandhi Salai, Pattanam Road, Opp. Dr. Prabhunatesan Hospital,
Rasipuram - 637 408.



NABL-M(EL)T-00443

Student Internship Training Certificate.

This is to certify that **Ms.M.SANDHIYA**. Reg number: 21MUMB1029 Pursing 3rd BSC Microbiology. At **PERIYAR UNINVERSITY Muthayammal college arts & science**. Has successfully completed intership taining in **SRI MEHAA CLINICAL LAB**. from 26.05.2023 to 09.06.2023 she had training in laboratory Department . She Was Trained by senior lab technologist .

During the period of his internship progamme with us the found punctual Hardworking and inquisitive.

We wish her every success in life

Cell:7708738994
SRIMEHAA CLINICAL LAB
23, Gandhi Salai, Pattanam Road,
Dr. Prabu Natesan Hospital Opp.
RASIPURAM-637 408 Namakkal Dt.

Verified by

K. Manivannan DMLT.,
Lab Technician

S. Ashmasafee Bsc (Micro Biology)
Lab Incharge

SALEM POLYCLINIC

250, Omalur Road, Salem - 636 007.

☎ 0427 - 2529500



Dr. K.N. RAO, FRCS
Reg. No. 12186

Dr. ARUN RAO, MS, FRCS
Reg. No. 44413

Dr. RASHMI RAO, MBBS, DGO
Reg. No. 91752

Date: 13.06.2023

Ref: SPC-HR-Intern.Lett.04/06-2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. M SHANMUGAPRIYA** Third year student of B.Sc Microbiology from Muthayammal College of arts and science, Rasipuram has done here basic Lab hospital training in our institution from 24.05.2023 to 07.06.2023

With Regards,

Dr.Rashmi Rao | Managing Director

For Salem Polyclinic Pvt Ltd., (Dr.KN Rao Hospital)

Omalur Main Road, Salem.

Dr. Rashmi Rao, DGO.,
Consultant Obstetrics & Gynaecology
Regn. No : 91752
SALEM POLYCLINIC
250, Omalur Main Road Salem 7

Certificate of Internship

VIJAY COMPUTERISED LABORATORY, PILLANALLUR

Date: 07/06/2023

This Certifies that Miss. R. Santhiya, III B.Sc., Microbiology, (Reg.No: 21MUMB1031) a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, She has successfully completed the Internship Program for 15 days from 24th May 2023 to 7th JUNE 2023 In the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of her internship program with us, we found her responsible, enthusiastic and hardworking during her training tenure. We wish her success in future endeavours.

Authorized Signatures

K.Vijay Ramasamy., M.sc., M.Phil, Microbiology
Lab Proprietor

Vijay
VIJAY COMPUTERISED LAB
Pillanallur Bds St:op.
Pillanallur - 627403
Rasipuram (Tn). Namakkal, D:
Call 9345510434.

Certificate of Internship

VIJAY COMPUTERISED LABORATORY, PILLANALLUR

Date: 07/06/2023

This Certifies that Miss. S. Santhiya, III B.Sc., Microbiology, (Reg.No: 21MUMB1032) a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, She has successfully completed the Internship Program for 15 days from 24th May 2023 to 7th JUNE 2023 in the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of her internship program with us, we found her responsible, enthusiastic and hardworking during her training tenure. We wish her success in future endeavours.

VIJAY COMPUTERISED LAB

Pillanallur Bus Stop,

Pillanallur - 637403

Rasipuram (Tk), Namakkal (Dt)

K.Vijay Ramasamy., M.sc., M.Phil, Microbiology : 9385510264.

Authorized Signatures

Lab Proprietor



RAASI
A TRUSTED LABORATORY
DIAGNOSTICS



NO. 34, THEBADI STREET,
OPP, POOMBURAI MALIBAI STORE,
OLD BUS STAND, RASIPURAM -637 408.
E-mail : raasidiagnostics@gmail.com
PH : 98948 93507 - 98948 93407

Date:07/06/2023

TO WHOM IT MAY CONCERN

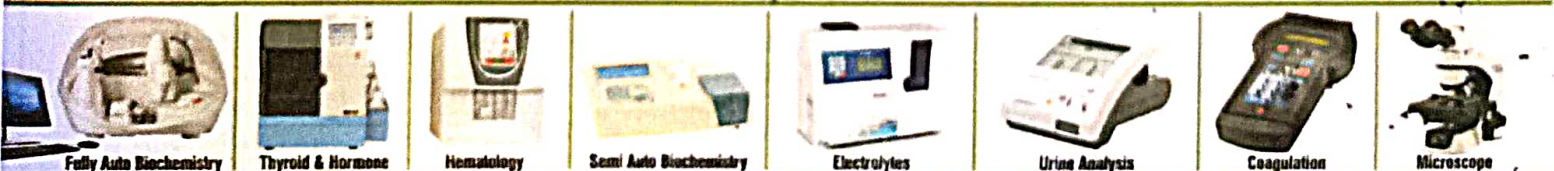
This is to Certify that **Miss.M.SHARMILA**, a B.Sc (IIIrd) Microbiology student from Muthayammal College of Arts & Science, Rasipuram has completed a 15 Days Internship Training. The duration of Internship was from 24th May to 07th June 2023.

Her Role was to familiarize himself with all the Processes at the Laboratory Testing. She spent a significant amount of time in each department and learnt what the flow of work is like.

We hope her time spent during the internship was fruitful. We wish her all the success in her future.

For RAASI DIGNOSTICS

G. Sudha
Authorized Signatory



Investigations have their limitations are imposed by the limits of sensitivity and specificity of individual assay procedures as well as the quality of the specimen received by the laboratory. Results may vary from Lab to Lab and also in some parameters from time to time moreover depend on the technology and value of two technology are incomparable. This report is not applicable for legal purposes.



ஸ்ரீ உதயா 24 மருத்துவமனை
SRI UDHAYA 24 HOSPITAL

INTERNSHIP CERTIFICATE

This is to certify that Miss.SIVARANJANI.S (Reg No: 21MUMB1034)
B.Sc, MICROBIOLOGY (IIIrd year), Muthayammal College of Arts & Science,
Rasipuram - Tk, Namakkal – 637408. She has undergone 20 days
(25.05.2023 to 13.06.2023) internship Training in our Hospital . She has
Completed her training successfully.

Sri Udhaya Hospital

Dr. C. MOTHILAL, M.B.B.S.,
Reg. No: 55607
Managing Director,
SRI UDHAYA HOSPITAL,
Cuddalore Main Road
VALAPADY-636 115.

DR.C.MOTHILAL,M.B.B.S.,

Managing Director

New Salem X-Rays & Clinical Laboratory,

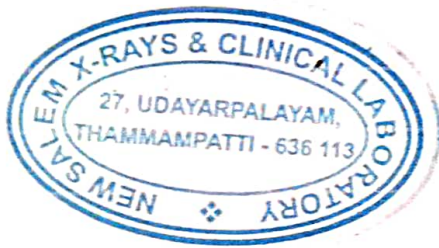
All Tests are done with Robonik and Turbo Chem 100 Bio-Chemistry Analyser

Opp. Nataraja Theatre, 27, Udayarpalayam,
THAMMAMPATTY - 636 113, Gangavalli Tk, Salem Dt.

ECG AVAILABLE

INTERNSHIP CERTIFICATE

This is to Certify that Miss. Srilakshmi . D , (Reg : No : 21MUMB1035)
B.Sc (III rd year) Muthayammal College of Arts & Science Rasipuram T.K,
Namakkal - 637408 . She has undergone 15 days (24.05.2023 to 07.06.2023)
Internship Training in our Laboratory. She has Completed her Training
Successfully .



P. Shanthi
Authorized Signature

P.SHANTHI, D.M.T.DCA.
NEW SALEM X-RAYS & CLINICAL
LABORATORY
Opp.Nataraja Theatre, 27, Udayarpalayam,
THAMMAMPATTI - 636 113



Sri Ram Diagnostic Laboratory

ஸ்ரீ ராம் இரத்தப் பரிசோதனை நிலையம்

136, உடையார்பாளையம், தம்மம்பட்டி. செல் : 94437 70334

15 Years Experienced Lab



Since 2003

ADVANCED CELL COUNTER & BIO-CHEMISTRY AUTO ANALYSER ATTACHED LABORATORY

INTERSHIP CERTIFICATE

This is to certify that Ms.P.SUDHA., (21UMB048) a student of
III -B.Sc., (Microbiology) from Muthayammal College of Arts and Science, Rasipuram.
She has undergone 15 days intership training from (23.05.2023 to 06.06.2023) in our
SRI RAM DIAGNOSTIC LABORATORY, Thammampatty. During this training period,
She has got good knowledge in clinical Hematology, Biochemistry, Immunology, Serology.
She has been found to be regular and attentive.

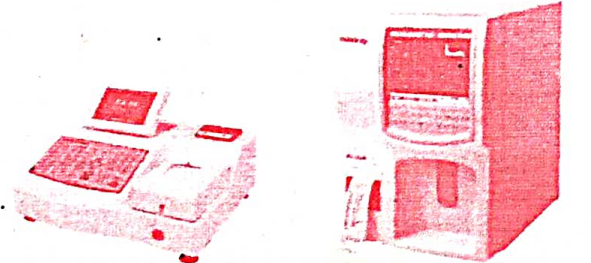
[Handwritten Signature]
Authorised Signature

Cell : 94437 - 70334

SRI RAM CLINICAL LABORATORY
136, Udayarpalayam, Thammampatty,
Gangavalli Tk., Salem Dt.,

ECG AVAILABLE

Trust, Quality, Service is Our Motto - 24 Hours Service





SRIMEHAA CLINICAL LABORATORY & ECG

Computerized Diagnostic Center

23, Gandhi Salai, Pattanam Road, Opp. Dr. Prabhunathan Hospital,
Rasipuram - 637 408.



NABL-M(EL)T-00443

Student Internship Training Certificate.

This is to certify that Ms.K.SUNMATHI Reg number: 21MUMB1039 Pursing 3rd BSC Microbiology. At PERIYAR UNINIVERSITY Muthayammal college arts & science. Has successfully completed intership taining in SRI MEHAA CLINICAL LAB. from - 26.05.2023 to 09.06.2023 she had training in laboratory Department. She Was Trained by senior lab technologist.

During the period of his intership progamme with us the found punctual Hardworking and inquisitive.

We wish her every success in life

K. Manivannan

Cell:7708738994
SRIMEHAA CLINICAL LAB
23, Gandhi Salai, Pattanam Road,
Dr. Prabu Natesan Hospital Opp.
RASIPURAM-637 408, Namakkal Dt.

Verified by

K. Manivannan DMLT.,
Lab Technician

S. Ashmasafee Bsc (Micro Biology)
Lab Incharge



RAASI
A TRUSTED LABORATORY
DIAGNOSTICS



NO. 34, THERADI STREET,
OPP, POOMBUKAR MALIGAI STORE,
OLD BUS STAND, RASIPURAM -637 408.
E-mail : raasidiagnostics@gmail.com
PH : 98948 93507 - 98948 93407

Date:07/06/2023

TO WHOM IT MAY CONCERN

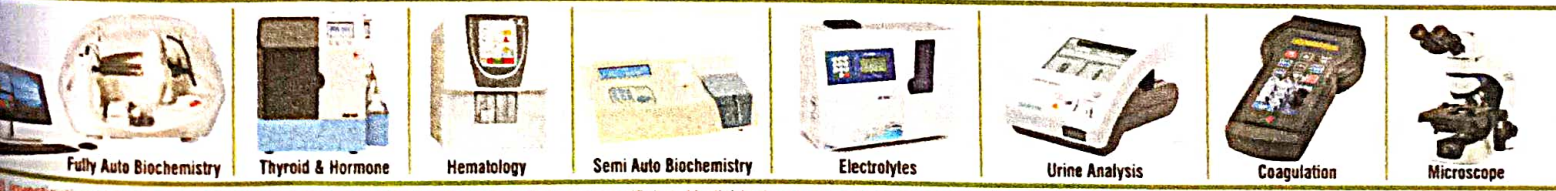
This is to Certify that **Miss.P.TAMILARASI**, a B.Sc (IIIrd)Microbiology student from Muthayammal College of Arts & Science, Rasipuram has completed a 15 Days Internship Training. The duration of Internship was from 24th May to 07th June 2023.

Her Role was to familiarize himself with all the Processes at the Laboratory Testing. She spent a significant amount of time in each department and learnt what the flow of work is like.

We hope her time spent during the internship was fruitful. We wish her all the success in her future.

For RAASI DIGNOSTICS

G. Sudhan
Authorized Signatory



Investigations have their limitations are imposed by the limits of sensitivity and specificity of individual assay procedures as well as the quality of the specimen received by the laboratory. Results may vary from Lab to Lab and also in some parameters from time to time moreover depend on the technology and value of two technology are incomparable. This report is not applicable for legal purposes.



Bharath
Diagnostic Centre
— Since 1978 —

DATE:09.06.2023

INTERNSHIP CERTIFICATE

This is to certify that **Miss. VIJITHA MEENAKSHLN D/O NALLUSAMY.C** (Reg No :21MUMB1041) B.Sc. Microbiology (IIIrd year), Muthayammal College of Arts & Science, Rasipuram-Tk, Namakkal-637408. She has undergone 15 days (25.05.2023 to 09.06.2023) Internship Training in our laboratory. She has completed her training successfully.

for

R. Sai → ID
(SARANYA.P)

AUTHORIZED SIGNATURE
BHARATH DIAGNOSTIC CENTRE

71/13, Trichy Main Road,
NAMAKKAL - 637 001.
Cell: 98439 66677

T. Revathy, M.Sc., Micro Biologist

S. Selvakumar, M.Sc., Bio Chemistry

T.P.E. Gogulrajan, B.Sc., MLT., Lab In-Charge



#71/13, Trichy Main Road, Namakkal - 637 001

+91 - 93447 66677 98439 66677

helpdesk.bharath@gmail.com





A.S.R HI-TECH LABORATORY

☎ 99655 16130, 78118 59769

INTERNSHIP CERTIFICATE

This is to certify that Miss .Yazhini.M (Roll No:21UMB057) B.sc (IInd Year) ,Muthayammal College of Arts & science, Rasipuram-TK,Nammakkal-637408. She has undergone 15 days (24.05.2023 to 07.06.2023) Internship Training in our Lab, She has completed her training successfully.



Authorized Signature



GOVERNMENT OF TAMILNADU

DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

O/o. ASSISTANT DIRECTOR OF AGRICULTURE
SEELANAICKENPATTY, SALEM

CERTIFICATE

This is to certify that, K.ANBARASU, (21MUMB1043) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.

AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM

ASSISTANT DIRECTOR OF AGRICULTURE

SALEM



GOVERNMENT OF TAMILNADU

DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

**O/o. ASSISTANT DIRECTOR OF AGRICULTURE
SEELANAICKENPATTY, SALEM**

CERTIFICATE

This is to certify that, P.AROKIARAJ, (21MUMB1044) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.


AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM


ASSISTANT DIRECTOR OF AGRICULTURE

SALEM

Date: 12/06/2023

INTERNSHIP CERTIFICATE

This is to certify that **Mr. ARUNACHALAM SENTHIL ARTHANARI** aged 19 years/M Reg No: 2IMUMB1045 a 3^d Year Student of B.SC MICROBIOLOGY from MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE at NAMAKKAL. As Successfully Completed Internship Training Laboratory Department In our Hospital.

From 29th May 2023 to 12th June 2023

We Wish All Success for Him Future Endeavors For


MEDICAL DIRECTOR

12/06/23
Dr. V. RAMKUMAR, M.S (G.B.)
Reg. No: 70530
MEDICAL DIRECTOR
ADVEKA HOSPITAL, IDAPPADI.



93-C1, West Street, K.Pulhur,
Poolampatty Main Road, Edappadi Tk, Salem Dt.
☎ 04283-223023, 📞 00722 12123



GOVERNMENT OF TAMILNADU

DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

O/o. ASSISTANT DIRECTOR OF AGRICULTURE

SEELANAICKENPATTY, SALEM

CERTIFICATE

This is to certify that, B.BHARANIDHARAN, (21MUMB1046) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.

[Signature]

AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM

[Signature]

ASSISTANT DIRECTOR OF AGRICULTURE

SALEM



GOVERNMENT OF TAMILNADU


DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

**O/o. ASSISTANT DIRECTOR OF AGRICULTURE
SEELANAICKENPATTY, SALEM**

CERTIFICATE

This is to certify that, D.CIANDRU, (21MUMB1047) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.


AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM


ASSISTANT DIRECTOR OF AGRICULTURE

SALEM

Certificate of Internship

VIJAY COMPUTERISED LABORATORY, PILLANALLUR

Date: 07/06/2023

This Certifies that Mr.P.Dharanibabu, III B.Sc., Microbiology, (Reg.No: 21MUMB1048) a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, He has successfully completed the Internship Program for 15 days from 24th May 2023 to 7th JUNE 2023 in the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of his internship program with us, we found his responsible, enthusiastic and hardworking during him training tenure. We wish him success in future endeavours.

Authorized Signatures

K.Vijay Ramasamy., M.sc., M.Phil, Microbiology
Lab Proprietor



ARUL JOTHI X-RAYS & LAB

Quality, Dedication & Trust



MEMBER OF EXTERNAL QUALITY ASSESSMENT, CMC HOSPITAL, VELLORE.

26, Pookadal Street, RASIPURAM - 637 408. Call : 96008 59228, 94862 79579, E-mail : aruljothixrays@gmail.com

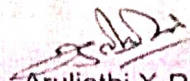
INTERNSHIP CERTIFICATE

This is to certify that Mr. GOWTHAM. S, (Reg.No : 21MUMB1049)

B.Sc – III Year, Muthayammal College of Arts & Science, Rasipuram, Tk

Namakkal - 637 408. He has Undergone 15 days (25.05.2023 – 08.06.2023)

Internship Training in our Lab. He has completed his training successfully.


For : Aruljothi X-Rays & Lab.,
A. VIJIESEN, M.A.,DMLT.
Lab Technician.



Sri Ram Diagnostic Laboratory

ஸ்ரீ ராம் இரத்தப் பரிசோதனை நிலையம்

136, உடையார்பாளையம், தம்மம்பட்டி, செல் : 94437 70334

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This is to certify that **MR.M.KABLAN., (21UMB018)** a student of
III -B.Sc., (Microbiology) from **Muthayammal College of Arts and Science, Rasipuram.**
He has undergone 15 days' internship training from (24.05.2023 to 07.06.2023) in our
SRI RAM DIAGNOSTIC LABORATORY, Thammampatty. During this training period,
He has got good knowledge in clinical Hematology, Biochemistry, Immunology, Serology.
He has been found to be regular and attentive.

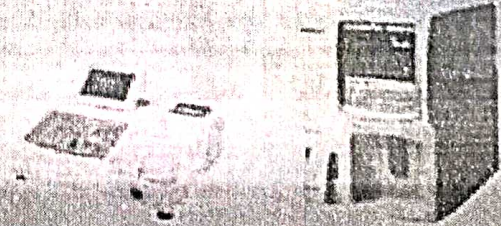
Authorised Signature

Cell : 94437 - 70334

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Ganjavalli Tk. Salem Dt..

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Certificate of Internship

VIJAY COMPUTERISED LABORATORY, PILLANALLUR

Date: 07/06/2023

This Certifies that Mr. S. Kishore, III B.Sc., Microbiology, (Reg.No: 21MUMB1051) a student of Muthayammal College of Arts and Science, Kakkaveri, Rasipuram, He has successfully completed the Internship Program for 15 days from 24th May 2023 to 7th JUNE 2023 in the area of Biochemistry and Microbiology analysis include Tulip Semi-Automated analyzer and Mindray Cell Counter, Microscopic analysis, Sample collection, reagents preparation, and identify the patient diseases. During this period of his internship program with us, we found his responsible, enthusiastic and hardworking during him training tenure. We wish him success in future endeavours.

 07/06/23

Authorized Signatures

K.Vijay Ramasamy, M.sc., M.Phil, Microbiology
Lab Proprietor

ARUL JOTHI

X-RAYS & LAB

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26, Pookadai Street, RASIPURAM - 637 408. Cell : 96008 59228, 94862 79579, E-mail : aruljothixrays@gmail.com


INTERNSHIP CERTIFICATE

This is to certify that **Mr. KOWSIK. A**, (Reg.No : 21MUMB1052)

B.Sc – III Year, Muthayammal College of Arts & Science, Rasipuram, Tk

Namakkal - 637 408. He has Undergone 15 days (25.05.2023 – 08.06.2023)

Internship Training in our Lab. He has completed his training successfully.


For : Aruljothi X-Rays & Lab.,
A. VIJESAN, M.A., D.M.T.,
Lab Technician.



ARUL JOTHI X-RAYS & LAB

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MEMBER OF EXTERNAL QUALITY ASSESSMENT, CMC HOSPITAL, VELLORE.

26, Pookadai Street, RASIPURAM - 637 408. Cell : 96008 59228, 94862 79579, E-mail : aruljothixrays@gmail.com


INTERNSHIP CERTIFICATE

This is to certify that Mr. KRISHNAKANTH. A.S, (Reg.No : 21MUMB1053)

B.Sc - III Year, Muthayammal College of Arts & Science, Rasipuram, Tk

Namakkal - 637 408. He has Undergone 15 days (25.05.2023 - 08.06.2023)

Internship Training in our Lab. He has completed his training successfully.


For : Aruljothi X-Rays & Lab.,
A. VIJESAN, M.A. DMLT
Lab Technician



ARUL JOTHI

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26, Pookadal Street, RASIPURAM - 637 408. Cell : 96008 59228, 94862 79579, E-mail : aruljothixrays@gmail.com


INTERNSHIP CERTIFICATE

This is to certify that Mr. A. PRASANTH., (Reg.No:21UMB028)

B.Sc – III Year, Muthayammal College of Arts & Science, Rasipuram, Tk

Namakkal - 637 408. He has Undergone 15 days (25.05.2023 – 08.06.2023)

Internship Training in our Lab. He has completed his training successfully.


For : Aruljothi X-Rays & Lab.,
A. VIJIESEN, M.A., DMLT.
Lab Technician.



GOVERNMENT OF TAMILNADU

DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

O/o. ASSISTANT DIRECTOR OF AGRICULTURE

SEELANAICKENPATTY, SALEM



This is to certify that, B.PRASANTH, (21MUMBI056) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.

A handwritten signature in black ink, appearing to be 'Prasanth'.

AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM

A handwritten signature in black ink, appearing to be 'S. S. Srinivasan'.

ASSISTANT DIRECTOR OF AGRICULTURE

SALEM



SRI SHAKTHI CLINICAL DIAGNOSTIC CENTRE

(COMPUTERISED LAB)
AUNDIPATTY.

Name :

Age :

Sex :

Ref. by Dr.

Investigation :

Results :

12.06.2023

AUNDIPATTI.

INTERNSHIP CERTIFICATE

This is to certify that **Mr.M.S.PRAVEEN KUMAR** (Roll No : 21UMB030)
B.Sc., Micro Biology (IIIrd Year), Muthayammal College of Arts & Science,
Rasipuram – Tk, Namakkal – 637408. He has undergone 20 days
(24.05.2023 to 11.06.2023) internship Training in our
“**CLINICAL LABORATORY**” Sri Shakthi Clinical Diagnostic Centre,
Aundipatti (T.K), Theni (D.T), Pin Code – 625512. Completed his Training
Successfully.

Authorized Signature,

A. S. Srinivasan, D.M.L.T.,
SRI SHAKTHI CLINICAL LAB
AUNDIPATTI - 625512
93423 42878



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26, Pookadal Street, RASIPURAM - 637 408. Call : 96008 59228, 94862 79579, E-mail : aruljothixrays@gmail.com

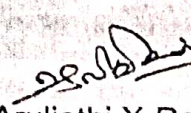
INTERNSHIP CERTIFICATE

This is to certify that **Mr. RUBAN. K**, (Reg.No : 21MUMB1058)

B.Sc – III Year, Muthayammal College of Arts & Science, Rasipuram, Tk

Namakkal - 637 408. He has Undergone 15 days (25.05.2023 – 08.06.2023)

Internship Training in our Lab. He has completed his training successfully.


For : Aruljothi X-Rays & Lab.,
A. VIJIESEN, M.A., D.M.L.T.,
Lab Technician.



GOVERNMENT OF TAMILNADU

DEPARTMENT OF AGRICULTURE

BIOFERTILIZER PRODUCTION UNIT

**O/o. ASSISTANT DIRECTOR OF AGRICULTURE
SEELANAICKENPATTY, SALEM**

CERTIFICATE

This is to certify that, S.SATHISH, (21MUMB1060) III-B.sc., MICROBIOLOGY, a student of Muthayammal college of Arts & Science(Autonomous) Namakkal has successfully completed the Internship Programme from 29/05/2023 to 09/06/2023 in the area of Biofertilizer, production and Quality control at Biofertilizer Production Unit, Salem. During the period of his internship programme with us, he was found punctual, hardworking and inquisitive.

(Signature)

AGRICULTURAL OFFICE

BIOFERTILIZER PRODUCTION UNIT

SALEM

(Signature)

ASSISTANT DIRECTOR OF AGRICULTURE

SALEM



Sri Ram Diagnostic Laboratory

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This is to certify that **MR.K.SELLADURAI., (21UMB043)** a student of
III -B.Sc., (Microbiology) from **Muthayammal College of Arts and Science, Rasipuram.**
He has undergone 15 days internship training from (24.05.2023 to 07.06.2023) in our
SRI RAM DIAGNOSTIC LABORATORY, Thammampatty. During this training period,
He has got good knowledge in clinical Hematology, Biochemistry, Immunology, Serology.
He has been found to be regular and attentive.

Authorised Signature
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No. 8 & 9, Railadi Street, C S I. Complex, Attur - 636 102
Email : hitechlabattur@gmail.com

INTERNSHIP CERTIFICATE

This is to certify that MR.SHAMNATH.M (Reg.No: 21MUMB1062)
B.Sc-III Year,Muthayammal College of Arts And Science,Rasipuram,TK
Namakkal - 637408. He has Undergone 15 days (26.05.2023 – 09.06.2023)
Internship Training in our Lab . He has completed his training successfully.

P. Sub
10/06/23

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DIAGNOSITC CENTER

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THAMMAMPATTY - 636 113, Gangavalli Tk, Salem Dt.

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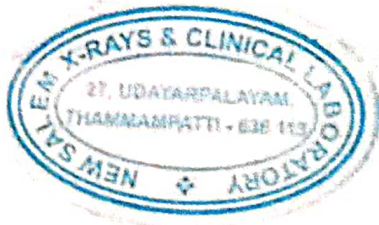
This is to Certify that Mr. Sudhakar. S, (Reg : No : 21MUMB1063)

B.Sc (III rd year) Muthayammal College of Arts & Science Rasipuram T.K,

Namakkal - 637408 . He has undergone 15 days (24.05.2023 to 07.06.2023)

Internship Training in our Laboratory. He has Completed his Training

Successfully .



PSN
Authorized Signature

PSNANTHI, DMKT DGA,
NEW SALEM X-RAYS & CLINICAL
LABORATORY
Opp. Nataraja Theatre, 27, Udayarpalayam,
THAMMAMPATTY - 636 113



Kashwin diagnostic centre
79/48,Aundipatti(tk),Theni(dt),Tamil Nadu-636109

mobile:+91 9965808719
+91 9578816398



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CERTIFICATE

This is to certify Mrs.SURYAPRAKASH.M ,B.Sc.,MICROBIOLOGY (21UMB052) Students of "MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE,RASIPURAM,TAMILNADU". He has successfully completed her Internship in the production & Quality Departments of our "CLINICAL LAB" Between 26.05.2023 and 07.06.2023 ,During her Internship with us, we found her honest and science. Her character and conduct are GOOD.

Authorised signature

S.Kavin,DMLT,B.Sc.,MICROBIOLOGY

Lab Director



Ph: 04131-221355, 04131 88117

SAI SPECIALITY HOSPITAL

27K/2, Raja Nagar, (Near State Bank)
KALLAKURICHI-606202, Kallakurichi - Dt.

Date: _____

INTERNSHIP CERTIFICATE

This Is to Certify That Mr. Thirukumar.A (Roll No : 21UMB055) B.SC(IIIrd Year) Muthayammal College Of Arts & Science, Rasipuram-Tk, Namakkal - 637409. He Has Undergone 15 Days (23 May 2023 To 06 Jun 2023) Internship Training In Our Hospital. He Has Completed His Training Successfully.


Authorized Signature

J.R. BALAKRISHNAN MD
REG NO: 51979
SAI SPECIALITY HOSPITAL
27K/2, RAJA NAGAR
KALLAKURICHI-606202



8489509091

அம்மன்
இரத்தயாரிசோதனை நிலையம்
(சென்னை ஆட்சியா அமைச்சர் வாரி உள்ளது)
S.K.மருத்துவமனை
கருமபுரி மெயின் (ராடு). (மெச்சேரி - 636 451.

INTERNSHIP CERTIFICATE

This is to certify that Miss. M .Punitha, (Roll No: 21MUMB5001)

B.Sc (III Year), Muthayammal College of Arts & Science, Rasipuram - Tk,

Namakkal - 637408. She has undergone 15 days (25-5-2023 to 10-06-2023)

Internship Training in our Hospital. She has completed her training

successfully.

S. Selvakumar
10/6/23

Dr. S. SELVAKUMAR, MBBS.
REGD. No: 65495
REGD. MEDICAL PRACTITIONER
MECHERI-636 453.


Signature of Lab Tech

INVITRO DETERMINATION OF BACTERICIDAL EFFECT OF GARLIC ON *STAPHYLOCOCCUS AUREUS*

*Project report submitted to Periyar University, Salem in partial fulfillment of the
requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

ANJALI P (21MUMB1001)
DHARSHINI V (21MUMB1006)
INDHUJA D (21MUMB1012)
PRIYANKA J (21MUMB1024)
SUBAMATHY M (21MUMB1036)
KISHORE S (21MUMB1051)



**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
AUMTOK VANETRA

Under the Guidance of

Dr. M. SELVAN, M.Sc., M.Phil., Ph.D.

Head of the Department

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2 (f) & 12 (B),

Rasipuram -637 408, Namakkal District, TamilNadu.

MAY-2024

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(AUTONOMOUS)

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Accredited by NAAC with "A" grade, Recognized by UGC under section 2 (f) & 12 (B),
Rasipuram-637 408. Namakkal DT
TamilNadu, India.

DEPARTMENT OF MICROBIOLOGY



MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE
(Autonomous)
A UNIT OF VANETRA GROUP

Learn
Lead

CERTIFICATE

This is to certify that the project Report entitled "Invitro determination of bactericidal effect of garlic on *Staphylococcus aureus*" submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of the degree of BACHELOR OF SCIENCE IN MICROBIOLOGY is a record of original research work done by ANJALI P (Reg.No 21MUMB1001), DHARSHINI V (Reg.No 21MUMB1006), INDHUJA D (Reg.No 21MUMB1012), PRIYANKA J (Reg.No 21MUMB1024), SUBAMATHY M (Reg.No 21MUMB1036), KISHORE S (Reg.No 21MUMB1051) during the period of his/her study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and that this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide


HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-637 408.

Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-637 408.


Submitted for the project viva-voce examination held on 14/05/2024

Examiners:

1.


24/5/24

2.


14/5/24

**ISOLATION AND IDENTIFICATION OF BACTERIA
FROM RAW COW MILK**

*Project report submitted to Periyar University, Salem in partial fulfillment
of the requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted by

DEVAPRIYA P (21MUMB1005)

KAVIYA M (21MUMB1015)

CHANDRU D (21MUMB1047)

GOWTHAM S (21MUMB1049)

KABILAN M (21MUMB1050)

PRASANTH B (21MUB1056)



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COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
A UNIT OF VANDANA

Under the Guidance of

Dr.S.Anbalagan, M.Sc.,M.Phil.,Ph.D.,

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

Affiliated to Periyar University, Salem, Accredited by NAAC with 'A' grade, Recognized by

UGC under Section 2(f) & 12(B),

Rasipuram -637 408,

Namakkal District,

Tamil Nadu.

MAY-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem. Accredited by NAAC with., A"grade,
Recognized by UGC under Section 2 (f) & 12(B),
Rasipuram-637408.
Namakkal District,
Tamilnadu.

DEPARTMENT OF MICROBIOLOGY



**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
Rasipuram, Namakkal Dt., Tamil Nadu

CERTIFICATE

This is to certify that the Project Report titled "ISOLATION AND IDENTIFICATION OF BACTERIA FROM RAW COW MILK" submitted to Periyar University, Salem in partial fulfillment of their requirements for the award of degree of BACHELOR OF SCIENCE IN MICROBIOLOGY is a record of original research work done by DEVAPRIYA.P (21MUMB1005), KAVIYA.M (21MUMB1015), CHANDRU.D (21MUMB1047), GOWTHAM.S (21MUMB1049), KABILAN.M (21MUMB1050), PRASANTH.B (21MUMB1056) during the period of her/his study (2021 - 2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide

Dr. M. SANKAPESWARAN, M.Sc., M.Phil., Ph.D.
Assistant Professor

Department of Microbiology

Muthayammal College of Arts and Science
Rasipuram - 637408, Namakkal Dt., Tamil Nadu, India

HEAD OF THE
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
Head of the Department
(AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14/5/24

Examiners:

1.

24/5/24

2.

14/5/24

EXPLORING PATHOGENS IN DENTAL CARRIES AND SPICE BASED REMEDIES FOR DENTAL INFECTIONS

*Project report submitted to Periyar University, Salem in partial
fulfillment of the requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

MADHUMITHA.E (21MUMB1017)

NANDHINI.P (21MUMB1019)

PAPPIYA.S (21MUMB1022)

ANBARASUK (21MUMB1043)

SHAMNATH.M (21MUMB1062)

SUDHAKAR.S (21MUMB1063)



**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
A UNIT OF VIGNETRA

Under the Guidance of

Dr. S. SHAHITHA, M.Sc., M.Phil., Ph.D., FIAAM.,

(Assistant Professor and Head CDC)

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE(AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with „A” grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District,

Tamil Nadu.

APRIL- 2024

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

Affiliated to Periyar University, Salem,
Accredited by NAAC with „A“ grade, Recognized by UGC under Section 2(D) & 12(B),
Rasipuram-637408, Namakkal District, Tamilnadu

DEPARTMENT OF MICROBIOLOGY



**MUTHAYAMMAL
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AND SCIENCE**
(Autonomous)
Rasipuram-637408, Namakkal District, Tamilnadu

CERTIFICATE

This is to certify that the Project Report entitled “EXPLORING PATHOGENS IN DENTAL CARRIES AND SPICE BASED REMEDIES FOR DENTAL INFECTIONS” submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE IN MICROBIOLOGY** is are Record of original research work done by **MADHUMITHA.E(21MUMB1017), NANDHINI.P(21MUMB1019), PAPPIYA.S(21MUMB1022), ANBARASU.K(21MUMB1043) SHAMNATH.M(21MUMB1062), SUDHAKAR.S (21MUMB1063)** during the period of her/his study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide

Dr. S. SHAHITHA, M.Sc., M.Phil., Ph.D., FIA
Assistant Professor cum Research Supervisor
Department of Microbiology

Muthayammal College of Arts & Science
Rasipuram-637408, Namakkal (Dt.)

Submitted for the project viva-voce examination held on 14/05/2024

Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (DT), NAMAKKAL (DT)-637408

Examiners:

1.

2.

**STUDY OF ANTIMICROBIAL ACTIVITY OF INDIAN SPICES
AGAINST PATHOGENIC BACTERIA**

*Project report submitted to Periyar University, Salem in partial fulfillment of the
requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

**BABY M (Reg. No: 21MUMB1002)
BHUVANESHWARI S (Reg. No: 21MUMB1003)
GOWSHIKA M (Reg. No: 21MUMB1010)
SIVARANJANI S (Reg. No: 21MUMB1034)
YAZHINI M (Reg. No: 21MUMB1042)
BHARANIDHARAN B (Reg. No: 21MUMB1046)
PUNITHA M (Reg. No: 21MUMB5001)**



**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE
(Autonomous)**
ALUMNI OF VANDANA

Under the Guidance of

**Mr. N. Radhakrishnan, M.Sc., M.Phil.,
(Assistant Professor)**

**DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade,

Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MARCH-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

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Accredited by NAAC with "A" grade,

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Rasipuram - 637408, Namakkal District, Tamilnadu.

DEPARTMENT OF MICROBIOLOGY



**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
Rasipuram, Namakkal District, Tamilnadu

CERTIFICATE

This is to certify that the Project Report entitled "STUDY OF ANTIMICROBIAL ACTIVITY OF INDIAN SPICES AGAINST PATHOGENIC BACTERIA" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN MICROBIOLOGY is a record of original research work done by BABY M (Reg. No: 21MUMB1002), BHUVANESHWARI S (Reg. No: 21MUMB1003), GOWSHIKA M (Reg. No: 21MUMB1010), SIVARANJANI S (Reg. No: 21MUMB1034), YAZHINI M (Reg. No: 21MUMB1042), BHARANIDHARAN B (Reg. No: 21MUMB1046), PUNITHA M (Reg. No: 21MUMB5001) during the period of her / his study (2021 - 2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship/ Fellowship or similar title to any candidate of any University.

R. J.
Project Guide

N. Radhakrishnan

[Signature]
Head of the Department

HEAD OF THE DEPARTMENT
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RASIPURAM (T.N.) NAMAKKAL (D.T.)-637 408.

Submitted for the project viva-voce examination held on 14-05-2024

Examiners:

1.

[Signature]
14/5/2024

2.

[Signature]
14/5/2024

**EFFICIENCY OF NATURAOPATHIC EXTRACTS
AGAINST EAR PATHOGENS**

*Project report submitted to Periyar University, Salem in partial fulfillment
of the requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted by

MONISHA.P (21MUMB1018)
RAJAMMAL.M (21MUMB1027)
ROSELINJOY.J (21MUMB1028)
SANMUGAPRIYA.M (21MUMB1030)
VIJITHAMEENAKSHI.N (21MUMB1041)
AROKIARAJ.P (21MUMB1044)



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Under the Guidance of

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DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

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may-2024

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Affiliated to Periyar University, Salem,
Accredited by NAAC with „A” grade, Recognized by UGC under Section 2(f) & 12(B), Rasipuram-637408, Namakkal District, Tamilnadu

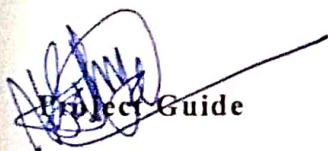
DEPARTMENT OF MICROBIOLOGY

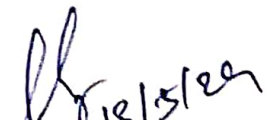


**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
ASPECT OF VARNETRA

CERTIFICATE

This is to certify that the Project Report titled “EFFICIENCY OF NATUROPATHIC EXTRACTS AGAINST EAR PATHOGENS” submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **MONISHA.P (21MUMB1018), RAJAMMAL.M (21MUMB1027), ROSELIN JOY.J (21MUMB1028), SANMUGAPRIYA.M (21MUMB1030) VIJITHA MEENAKSHI.N (21MUMB1041), AROKIARAJ.P (21MUMB1044)** during the period of her/his study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.


Project Guide


Head of the Department
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RASIPURAM (T) NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14/05/24

Examiners:

1. 
14/5/2024

2. 

**Isolation and Identification of Phosphorus-Solubilizing
Microorganisms in *Curcuma longa* Plants Across Varied Soils in
Namakkal District, Tamil Nadu**

*Mini project submitted to Periyar University in partial fulfillment of the
requirement for the degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

By

SUDHA. P (Reg.No:21MUMB1037)

SANDHIYA. M (Reg.No:21MUMB1029)

SUNMTHI. K (Reg.No:21MUMB1039)

PRIYANKA. P (Reg.No:21MUMB1025)

TAMILARASI. P (Reg.No:21MUMB1040)

SANTHIYA. R (Reg.No:21MUMB1031)

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Rasipuram - 637 408. Namakkal DT

Tamil Nadu, India.

MAY-2024

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DEPARTMENT OF MICROBIOLOGY




**MUTHAYAMMAL
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CERTIFICATE

This is to certify that the dissertation entitled "Isolation and Identification of Phosphorus-Solubilizing Microorganisms in *Curcuma longa* Plants Across Varied Soils in Namakkal District, Tamil Nadu" submitted to Periyar University in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **SUDHA. P** (Reg.No:21MUMB1037), **SANDHIYA. M** (Reg.No:21MUMB1029), **SUNMTHI. K** (Reg.No:21MUMB1039), **PRIYANKA. P** (Reg.No:21MUMB1025), **TAMILARASI. R** (Reg.No:21MUMB1040), **SANTHIYA. R** (Reg.No:21MUMB1031), **ARUNACHALAM SENTHILARTHANARI.** (Reg.No:21MUMB1045) during the period of his/her study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision/guidance and that this dissertation has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

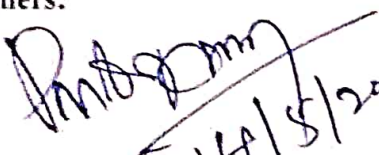

Project Guide
D. J. S. SWAMYARAJAN, M. Sc. MPhil, Ph.D.
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RASIPURAM (Tk), NAMAKKAL (Dt)-637 408.

Submitted for the project viva-voce examination held on 14/05/24

Examiners:

1.


14/5/2024

2.


14/5/24

**ISOLATION AND IDENTIFICATION OF MULTI DRUG
RESISTANCE BACTERIA FROM KOLLI HILLS SOIL SAMPLE**

*Mini project Submitted in Periyar Univerity in partial fulfillment of there
requirement for the degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted by

D.GIRIJADEVI(21MUMB1008)
M.NITHYA(21MUMB1021)
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Under the Guidance of

Mrs. S.SUBANA M.Sc., M.Phil.,



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**DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS &
SCIENCE**

Accredited with, A"Grade by NAAC

UGC Recognized 2 (f) & 12 (B) Status

Recognized for DBT Star Scheme

Rasipuram – 637408, Namakkal DT .

Tamil Nadu, India.

APRIL -2024.



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CERTIFICATE

This is to certify that the dissertation entitled "ISOLATION AND IDENTIFICATION OF MULTI DRUG RESISTANCE BACTRIA FROM KOLLI HILLS SOIL SAMPLE " submitted to Periyar University in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF SCIENCE IN MICROBIOLOGY is a record of original research work done by. GIRIJADEVI (21MUMB1008),M.NITHYA(21MUMB1021),N.MANIKANDAN(21MUMB1054), A.PRASANTH(21MUMB1055),A.SARAVANAN(21MUMB1059) K. SELLADURAI (21MUMB1061) ,M. SURYAPRAKASH (21MUMB1064) during the period of his study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts & Science, Rasipuram under my supervision and guidance and that this dissertation has not formed the basis for the award of Degree /Diploma/Associate ship/Fellowship or similar title to any candidate of any University

Project Guide
10/05/2024

Project Guide

Head of the department
10/05/2024

Head of the department
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(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-637 408.

EXAMINERS :

- Examiner 1*
14/05/2024
- Examiner 2*
14/05/2024

ISOLATION OF BACTERIA FROM POULTRY FEEDS

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

HARISHINI S (21MUMB1011)

SHARMILA M (21MUMB1033)

SRI LAKSHMI D (21MUMB1035)

KRISHNAKANTH A S (21MUMB1053)

PRAVEEN KUMAR M S (21MUMB1057)

RUBAN K (21MUMB1058)



**MUTHAYAMMAL
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Salem - 637 408

Under the Guidance of

S. VAHITHA BANU M.Sc., B.Ed.

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

Affiliated to Periyar University, Salem,

Accredited by NAAC with „A” grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District,

Tamil Nadu.

APRIL – 2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)

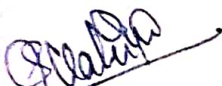
Affiliated to Periyar University, Salem,
Accredited by NAAC with „A“ grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram-637408.Namakkal District, Tamilnadu

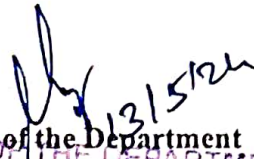
DEPARTMENT OF MICROBIOLOGY



MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE
(Autonomous)
ALPETHUR VANNETRA
1988
CERTIFICATE

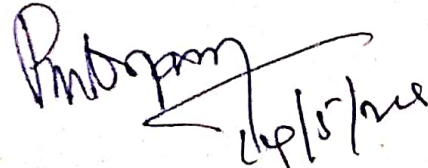
This is to certify that the Project Report entitled “ ISOLATION OF BACTERIA FROM POULTRY FEEDS” submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN MICROBIOLOGY is are Record of original research work done by HARISHINI S (21MUMB1011), SHARMILA M (21MUMB1033), SRI LAKSHMI D (21MUMB1035), KRISHNAKANTH A S (21MUMB1053), PRAVEEN KUMAR M S (21MUMB1057), RUBAN K(21MUMB1058), during the period of her/his study(2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.


Project Guide


Head of the Department
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RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 14/05/2024

Examiners:

1. 
14/05/2024

2. 
14/05/2024

**"EXPLORING BACTERIAL CONTAMINATION ON MOBILE PHONES AND
EARBUDS: ISOLATION, IDENTIFICATION, AND ANTIMICROBIAL
ASSESSMENT WITH SILVER NANOPARTICLES AND ANTIBIOTIC DISC
DIFFUSION TECHNIQUES"**

Project report submitted to periyar university, Salem in partial fulfillment of the

Requirements for the award of degree of

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

DEEPIKA R (21MUMB1004)

DHARANIBABU P (21MUMB1048)

JEEVITHA S (21MUMB1013)

KAVIYASRI V (21MUMB1016)

PUGAZEESWARI K (21MUMB1026)

VIGNESHWARAN K (21MUMB1066)



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Lead

UNDER THE GUIDANCE OF

Dr. K. VITHIYA, M. Sc., Ph.D.,

DEPARTMENT OF MICROBIOLOGY

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- 637 408, Namakkal District, Tamil Nadu

MAY-2024

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DEPARTMENT OF MICROBIOLOGY



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CERTIFICATE

This is to certify that the dissertation entitled **“EXPLORING BACTERIAL CONTAMINATION ON MOBILE PHONES AND EARBUDS: ISOLATION, IDENTIFICATION, AND ANTIMICROBIAL ASSESSMENT WITH SILVER NANOPARTICLES AND ANTIBIOTIC DISC DIFFUSION TECHNIQUES”** submitted to Periyar University in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **DEEPIKA R (Reg.No: 21MUMB1004) DHARANIBABU P (Reg.No:21MUMB1048) JEEVITHA S (Reg.No:21MUMB1013) KAVIYASRI V (Reg.No:21MUMB1016) PUGAZEESWARI K (Reg.No:21MUMB1026) VIGNESHWARAN K (Reg.No: 21MUMB1066)** during the period of his study (2023-2024) in the Department of Microbiology, Muthayammal College of Arts & Science, Rasipuram under my supervision / guidance and that this dissertation has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva voice examination 14.05.2024

**HEAD OF THE DEPARTMENT
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RASIPURAM (Tk), NAMAKKAL (DT)-637 408.**

Examiners:

1.
14/5/24

2.
14/5/24

**STUDIES ON PLANT GROWTH PROMOTING ACTIVITIES
USING AZOTOBACTER**

*Project report submitted to Periyar University, Salem in partial fulfillment of the
requirements for the award of degree of*

BACHELOR OF SCIENCE IN MICROBIOLOGY

Submitted By

GOVARTHINI.S.P (21MUMB1009)

PREETHI.K (21MUMB1023)

SANTHIYA.S (21MUMB1032)

KOWSIK.A (21MUMB1052)

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THIRUKUMARAN.A (21MUMB1065)



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Under the Guidance of

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Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MAY- 2024

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DEPARTMENT OF MICROBIOLOGY



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Rasipuram, Namakkal District, Tamil Nadu

CERTIFICATE

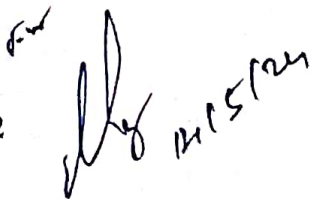
This is to certify that the Mini Project Report entitled "Studies on Plant Growth Promoting Activities Using *Azotobacter*" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **Bachelor of Science in Microbiology** is a record of original research work done by Govarthini. S. P (21MUMB1009) Preethi.K (21MUMB1023) Santhiya .S (21MUMB1032) Kowsik.A (21MUMB1052) Sathish.S (21MUMB1060) Thirukumaran .A (21MUMB1065) during the period of her/his study (2021-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision and this project report has not formed the basis for the award of Degree / Diploma / Associates ip or similar title to any candidate of any University.

HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
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Submitted for the project viva-voce examination held on 14/05/2024 RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Examiners:

1. 
14/5/24

2. 
14/5/24

**A STUDY ON MULTIDRUG RESISTANT BACTERIA ISOLATED FROM
URINARY TRACT INFECTION**

*Project report submitted to Periyar University, Salem in partial
fulfillment of the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

DHANALAKSHMI S (Reg.No:22MPMI1001)



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A PART OF VANETRA**

Under the Guidance of

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MAY- 2024

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12(B), Rasipuram-637408. Namakkal District, Tamilnadu

DEPARTMENT OF MICROBIOLOGY




**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous)
ALUMNI SOCIETY

CERTIFICATE

This is to certify that the Project Report entitled "A STUDY ON MULTIDRUG RESISTANT BACTERIA ISOLATED FROM URINARY TRACT INFECTION" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **DHANALAKSHMI S (Reg. No:22MPMI1001)** during the period of her/his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

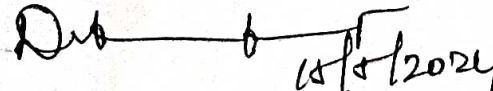
for  15/5/24


Project Guide SWARAN, M.Sc., M.Phil., Ph.D.
Assistant Professor
Department of Microbiology
Muthayammal College of Arts & Science
RASIPURAM-637 408, Namakkal Dt, Tamilnadu, India.


HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (Dt)-637 408,

Submitted for the project viva-voce examination held on 15/5/24

Examiners:

1.  15/5/2024
Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2.  15/5/24



PRECISE Micro Lab

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14/80, Sanyasi Gundu Road Extension,
Kitchipalayam, Salem - 636 015.
E-mail : preciseramasamy@gmail.com
Mobile No. : 88831 22266

Aerobic and Anaerobic Culture

Western Blot for HIV

Staining Study

TB Culture

Serology

CERTIFICATE

This is to certify that **DHANALAKSHMI S**, final year student of M.Sc (Microbiology) carried out a research project entitled "**A STUDY ON MULTIDRUG RESISTANT BACTERIA ISOLATED FROM URINARY TRACT INFECTION**", under the guidance of **V.Ramasamy Msc.,(Micro), Bsc.,(MLT),CMLT.,PGDCA.,** Project Supervisor, Department of Microbiology, **PRECISE MICRO LAB** . The duration of the project was from December 2023 to February 2024. This work has not been formed basis for any other degree either in part or full.

V. Ramasamy

M.Sc., (Micro), B.Sc., (MLT), CMLT, PGDCA.,
Consultant Microbiologist

V. Ramasamy

M.Sc., (Micro), B.Sc., (MLT), CMLT, PGDCA.,
Consultant Microbiologist

**ISOLATION AND IDENTIFICATION OF PROBIOTIC *LACTOBACILLUS SPP*
FROM VARIOUS LOCAL DAIRY PRODUCTS, COMPARISON AND
EVALUATING THEIR ANTAGONISTIC EFFECT ON PATHOGENS.**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

DURGADEVI P

(Reg. No: 22MPMI1002)



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AND SCIENCE**
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Under the Guidance of

Dr. S.ANBALAGAN, M.Sc., M.Phil., Ph.D.,

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with „A“ grade, Recognized by UGC under Section 2(f) &12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MAY – 2024

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(AUTONOMOUS)**

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Rasipuram-637408.Namakkal District, Tamilnadu

DEPARTMENT OF MICROBIOLOGY



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This is to certify that the Project Report entitled “ISOLATION AND IDENTIFICATION OF PROBIOTIC *LACTOBACILLUS SPP* FROM VARIOUS LOCAL DAIRY PRODUCTS, COMPARISON AND EVALUATING THEIR ANTAGONISTIC EFFECT ON PATHOGENS” Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **DURGADEVI P (Reg. No: 22MPMI1002)** during the period of her/his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

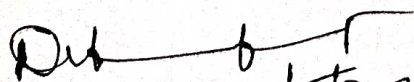
for
11/5/24

Guide and supervisor
SANKARADHARAN, M.Sc., M.Phil., Ph.D.
Associate Professor
Department of Microbiology
Muthayammal College of Arts & Science
RASIPURAM 637 408, Namakkal Dt, Tamilnadu, India.

11/5/24
Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)

Submitted for the project viva-voice examination held on RASIPURAM, NAMAKKAL (DT)-637 408

Examiners:

1. 
15/5/2024
Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011

2. 

**Green Synthesis of Silver Nanoparticles Using
Justicia adhatoda plant extract against MRSA (Methicillin-
Resistant *Staphylococcus aureus*)**

*Project submitted to Periyar University in partial fulfillment of the
requirement for the degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

KAVIYA M (Reg.No:22MPMI1003)



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Under the Guidance of

Dr. M. SANKARESWARAN, M.Sc., M.Phil., Ph.D.,

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Accredited by NAAC with 'A' Grade, Recognised by UGC under section 2 (f) & 12(B)

Rasipuram - 637 408, Namakkal DT

Tamil Nadu, India.

MAY-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,
Accredited by NAAC with an "A" grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram-637408.Namakkal District, Tamilnadu

DEPARTMENT OF MICROBIOLOGY



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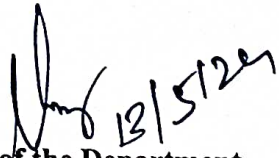
CERTIFICATE

This is to certify that the dissertation entitled "Green Synthesis of Silver Nanoparticles Using *Justicia adhatoda* plant extract against MRSA (Methicillin-Resistant *Staphylococcus aureus*)" submitted to Periyar University in partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **KAVIYA M (Reg.No:22MPMI1003)**, during the period of her study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision/guidance and that this dissertation has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.


11/5/24

Project Guide

Dr. M. SANKARESWARAN, M.Sc, M.Phil, Ph.D.
Assistant Professor
Department of Microbiology
Muthayammal College of Arts & Science
RASIPURAM-637 408, Namakkal Dt, Tamilnadu, India.

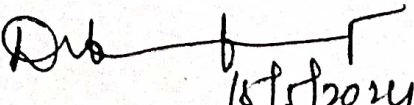

12/5/24

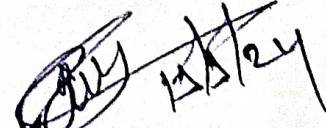
Head of the Department

HEAD OF THE
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 15/05/2024

Examiners:

1. 
18/5/2024

2. 
13/5/24

Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-635 011, TN

**Green synthesized Zinc nanoparticles using
Entcostema axillare plant extract against Multi Drug Resistant
Salmonella sps**
*Project submitted to Periyar University in partial fulfillment of the
requirement for the degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

KIRUTHIGA C (Reg.No:22MPMI1004)



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Under the Guidance of

Mrs.N.SATHYABAMA, M.Sc., M. Phil.,

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Accredited by NAAC with 'A' Grade, Recognised by UGC under section 2 (f) & 12(B)

Rasipuram - 637 408. Namakkal DT

Tamil Nadu, India.

MAY-2024

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Accredited by NAAC with an "A" grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram-637408.Namakkal District, Tamilnadu

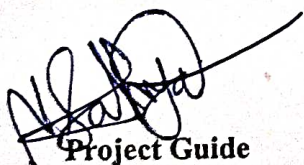
DEPARTMENT OF MICROBIOLOGY

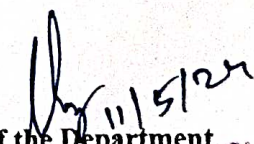


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COLLEGE OF ARTS
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CERTIFICATE

This is to certify that the dissertation entitled "**Green synthesized Zinc nanoparticles using *Enicostema axillare* plant extract against Multi Drug Resistant *Salmonella* sps**" submitted to Periyar University in partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **KIRUTHIGA C (Reg.No:22MPMI1004)**, during the period of his/her study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision/guidance and that this dissertation has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

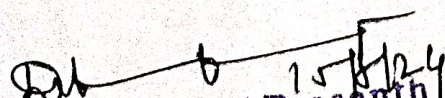

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Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637 408.

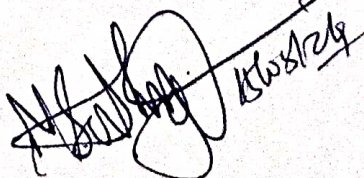
Submitted for the project viva-voce examination held on 15/05/2024

Examiners:

1.


Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2.



**STUDY OF DECIPHERING THE ANTIMICROBIAL POTENTIAL THROUGH
PHYTOCHEMICAL PROFILING *ABUTILON INDICUM* LEAF EXTRACTS**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

NANDHINI.S

(Reg. No: 22MPMI1005)



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Lead

Under the Guidance of

Dr.S.SHAHITHA, M.Sc., M.Phil., Ph.D., FIAAM.,

(Assistant Professor and HEAD CDC)

DEPARTMENT OF MICROBIOLOGY

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Namakkal District, Tamil Nadu.

MAY – 2024

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This is to certify that the Project Report entitled "STUDY OF DECIPHERING THE ANTIMICROBIAL POTENTIAL THROUGH PHYTOCHEMICAL PROFILING *ABUTILON INDICUM* LEAF EXTRACTS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **NANDHINI S (Reg. No: 22MPMI1005)** during the period of her study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide

Dr. S. SHAHITHA, M.Sc., M.Phil., Ph.D., FIAAM
Assistant Professor cum Research Supervisor
Department of Microbiology

Head of the Department

Submitted for the Degree of Arts & Science held on
Rasipuram-637 408, Namakkal (Dt.)

15/05/2024

Examiners:

1.

Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2.

**GREEN SYNTHESIS OF COPPER NANOPARTICLES BY *BAUHINIA VARIGETA* AND
THEIR ANTIMICROBIAL ACTIVITY AGAINST DIABETIC FOOT INFECTION**

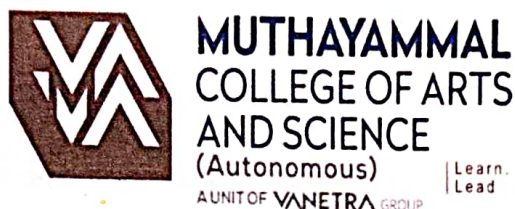
*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

PRIYA G

(Reg. No:22MPMI1006)



Under the Guidance of

Mr.N.SUBANA, M.Sc., MPhil.,

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade,

Recognized by UGC under Section 2(f) &12 (B), Rasipuram - 637 408, Namakkal District,
Tamil Nadu.

MAY-2024

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Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade,

Recognized by UGC under Section 2(f) & 12(B),
Rasipuram – 637408, Namakkal District, Tamil Nadu.

DEPARTMENT OF MICROBIOLOGY.



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This is to certify that the Project Report ENTITLED "GREEN SYNTHESIS OF COPPER NANOPARTICLES BY *BAUHINIA VARIGETA* AND THEIR ANTIMICROBIAL ACTIVITY AGAINST DIABETIC FOOT INFECTION" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a original research work done by **PRIYA.G (Reg.No:22MPMI1006)** during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any candidate at any University.

CSidney
13/05/2024
Project Guide

**HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (DT)-637 408.**

CSidney
15/05/24
Head of the Department

Submitted for the project viva – voice examination held on 15/05/2024

Examiners:

1. *CSidney*
~~Dr. D. Arvind Prasanth~~
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2. *CSidney*
15/05/2024

**GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM *INDIGOFERA*
ASPALATHOIDES LEAF EXTRACTS AND THEIR ANTIBACTERIAL POTENTIAL
AGAINST WOUND PATHOGENS**

*Project report submitted to Periyar University, Salem in partial fulfillment of the
requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

PRIYA. S

(Reg. No: 22MPMI1007)



**MUTHAYAMMAL
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(Autonomous)
KANNIYAKUMARI**

Under the Guidance of

Dr. M. Maghimaa M.Sc., M.Phil., Ph.D.,

Principal Investigator, CRS Project (UGC-DAE-CSR),

Assistant Professor,

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MAY- 2024

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Rasipuram-637408.Namakkal District, Tamilnadu.

DEPARTMENT OF MICROBIOLOGY



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(Autonomous)
ALUMNI OF VANETRA COLLEGE

CERTIFICATE

This is to certify that the Project Report entitled "Green synthesis of Silver Nanoparticles from *Indigofera aspalathoides* leaf extracts and their Antibacterial Potential against wound pathogens" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **PRIYA.S (Reg. No: 22MPMI1007)** during the period of /his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.



Project Guide


Head of the Department
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (Tk), NAMAKKAL (Dt)-637 403.

Submitted for the project viva-voce examination held on 15.05.2024

Examiners:

1.


Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2.


15/5/24

**harnessing soil microorganisms for the biosynthesis
 magnetic nanoparticles: assessing antimicrobial
 efficacy against human and phytopathogens, and
 influence on seed germination and seedling growth”**

**Project report submitted to Periyar University, (Autonomous) Salem in
 partial fulfillment of the requirements for the award of degree of**

MASTER OF SCIENCE IN MICROBIOLOGY

By

PRIYADHARSHINI M

22MPM11008



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Under the Guidance of

Dr. K. VITHIYA, M.Sc., Ph.D.,

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
 (AUTONOMOUS)**

Affiliated to Periyar University, Salem,

**Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) &
 12(B), Rasipuram-637 408, Namakkal District, Tamil Nadu.**

MAY-2023

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(AUTONOMOUS)

Affiliated to Periyar University, Salem, Accredited by NAAC with, A” grade,
Recognized by UGC under Section 2(f) & 12(B), Rasipuram-637408, Namakkal
District, Tamilnadu.

DEPARTMENT OF MICROBIOLOGY



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This is to certificate that the Project report entitled “**HARNESSING
HIL MICROORGANISMS FOR THE BIOSYNTHESIS OF MAGNETIC
NOPARTICLES: ASSESSING ANTIMICROBIAL EFFICACY
AINST HUMAN AND PHYTOPATHOGENS, AND INFLUENCE ON
ED GERMINATION AND SEEDLING GROWTH**” Submitted to periyar
versity, Salem in partial fulfillment of the requirements for the award of degree
MASTER OF SCIENCE IN MICROBIOLOGY is a record of original
arch work done by **PRIYADHARSHINI M (Reg no:22MPMI1008)** during
period of her study (2022-2024) in the department of Microbiology,
thayammal College of Arts and Sciences, Rasipuram (Autonomous) under my
revision\guidance and this project report has not formed the basis for the award
egree\diploma\Associates Ship\Fellowship or similar title to any candidate of
university.

Project Guide

Head of the Department

HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637408

Submitted for the project viva-voce examination held on

Examiners

2.

Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

**A COMPARISON OF SELECTED MEDICINAL PLANTS AND
COMMERCIAL SOAPS ANTIBACTERIAL QUALITIES AGAINST
MULTI DRUG RESISTANT *STAPHYLOCOCCUS AUREUS***

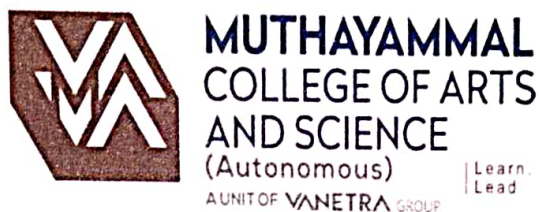
*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

SOWMIYA A

(Reg. No: 22MPMI1009)



Under the Guidance of

Mrs.S.VAHITHABANU M.SC., B.ED.,

(Assistant Professor)

DEPARTMENT OF MICROBIOLOGY

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade,

Recognized by UGC under Section 2(f) & 12(B), Rasipuram - 637 408,

Namakkal District, Tamil Nadu.

MAY – 2024

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

Affiliated to Periyar University, Salem.

Accredited by NAAC with "A" grade,

Recognized by UGC under Section 2(f) & 12(B),
Rasipuram-637408, Namakkal District, Tamil Nadu.

DEPARTMENT OF MICROBIOLOGY




**MUTHAYAMMAL
COLLEGE OF ARTS
AND SCIENCE**
(Autonomous) | Learn.
| Lead
A UNIT OF VANETRA GROUP

CERTIFICATE

This is to certify that the Project Report entitled "A COMPARISON OF SELECTED MEDICINAL PLANTS AND COMMERCIAL SOAPS ANTIBACTERIAL QUALITIES AGAINST MULTI DRUG RESISTANT *STAPHYLOCOCCUS AUREUS*" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **SOWMIYA.A** (Reg. No: 22MPMI1009) during the period of her study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.



Project Guide


Head of the Department
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (TN), NAMAKKAL (DT)-637 408.
15/05/2024

Submitted for the project viva-voce examination held on

Examiners:

1.


Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2.


15/05/24

**EVALUATION OF NUTRITIONAL AND BIOCHEMICAL PROPERTIES OF
CORDYCEPIN ENRICHED *CORDYCEPS MILLITARIS* FUNGUS AND
DEVELOPMENT OF READYMADE VALUE ADDED PRODUCTS**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

ELAIYARAJA.S

(Reg. No:22MPMI1010)



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Mr.N.RADHAKRISHNAN, M.Sc., MPhil.,

(Assistant Professor)

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MARCH-2024

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Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a original research work done by **ELAIYARAJA.S** (Reg.No: 22MPMI1010) during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any can did at of any University.

Project Guide

Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE

Submitted for the project viva – voce examination held on

15/05/24 (AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Examiners:

1.

Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
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Salem-636 011, TN

2.

CERTIFICATE

This is to certify that the dissertation work entitled “**Evaluation of nutritional and biochemical properties of cordycepin enriched *Cordyceps militaris* fungus and development of readymade value added products** ” submitted to Periyar University, Salem - 636 011, in partial fulfillment for the requirement of award of **Master of Science** degree in **Microbiology** is an original work done by **S. Elaiyaraja** [Registration number: 22MPMI1010] during the period 2022-24 his studies in Muthayammal College of Arts and Science (Autonomous), Rasipuram - 637 408 under my co-guidance at **Mycoblooms Mushroomery Private Limited**, Coimbatore and the report is not previously formed on the basis for the award of any degree/diploma or other similar title to any candidate of any University.

REFANA SHAHUL,

Director & Senior Microbiologist,

Mycoblooms Mushroomery Pvt Ltd,

Coimbatore.

Signature of the Co-Guide



**STUDIES ON NOSOCOMIAL PATHOGENS (FOMITES) AND THEIR
ACTIVITY AGAINST COMMON DISINFECTANTS BY PHENOLIC
CO-EFFICIENT METHOD**

*Project report submitted to Periyar University, Salem in partial
fulfillment of the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

KALAISELVAN K (Reg.No:22MPMI1011)



**MUTHAYAMMAL
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ASPECT OF VANDANA

Under the Guidance of

Dr. S. SUDHAKAR, M.Sc., M.Phil., Ph.D.,

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Tamilnadu

MAY - 2024

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CERTIFICATE

This is to certify that the Project Report entitled "STUDIES ON NOSOCOMIAL PATHOGENS (FOMITES) AND THEIR ACTIVITY AGAINST COMMON DISINFECTANTS BY PHENOLIC CO-EFFICIENT METHOD" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a record of original research work done by **KALAISELVAN K (Reg. No:22MPMI1011)** during the period of her/his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision and this project report has not formed the basis for the award of Degree / Diploma / Associateship/ Fellowship or similar title to any candidate of any University.

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Project Guide

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Head of the Department

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Submitted for the project viva-voce examination held on 15/5/24

Examiners:

1.

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2.

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15/5/24



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CERTIFICATE

This is to certify that **KALAISELVAN K**, final year student of M.Sc (Microbiology) carried out a research project entitled "**STUDIES ON NOSOCOMIAL PATHOGENS (FOMITES) AND THEIR ACTIVITY AGAINST COMMON DISINFECTANTS BY PHENOLIC CO-EFFICIENT METHOD**", under the guidance of **V.Ramasamy Msc.,(Micro), Bsc.,(MLT),CMLT.,PGDCA.,** Project Supervisor, Department of Microbiology, **PRECISE MICRO LAB** The duration of the project was from December 2023 to February 2024. This work has not been formed basis for any other degree either in part or full.

V. Ramasamy

M.Sc., (Micro), B.Sc., (MLT), CMLT, PGDCA.,
Consultant Microbiologist

V. Ramasamy

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Consultant Microbiologist

PRODUCTION OF BIOPLASTIC FROM POTATO STARCH AND DEGRADATION USING MICROORGANISMS

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

KARTHIKEYAN.M

(Reg. No:22MPMI1012)



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Under the Guidance of

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Affiliated to Periyar University, Salem.

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This is to certify that the Project Report entitled "PRODUCTION OF BIOPLASTIC FROM POTATO STARCH AND DEGRADATION USING MICROORGANISMS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a original research work done by **KARTHIKEYAN.M** (Reg.No:22MPMI1012) during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any can did at of any University.

Rdy

Project Guide

HEAD OF THE DEPARTMENT
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MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
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RASIPURAM (TK), NAMAKKAL (DT)-637 408.

Submitted for the project viva – voce examination held on 15/05/2024

Examiners:

1. *Dub*
Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
Periyar University
Salem-636 011, TN

2. *[Signature]*
15/5/24

**EVALUATING MICROBIAL TOLERANCE AND BIOREMEDIATION
POTENTIAL IN E-WASTE CONTAMINATED SOIL: INSIGHTS AND
IMPLICATIONS**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

KAVIN R K

(Reg. No: 22MPMI1013)



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MAY-2024

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This is to certify that the Project Report entitled "EVALUATION MICROBIAL TOLERANCE AND BIOREMEADIATION POTANTIAL IN E- WASTE CONTAMINATED SOIL : INSIGHTS AND IMPLICATIONS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a original research work done by **KAVIN R K (Reg.No: 22MPMI1013)** during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any can did at of any University.


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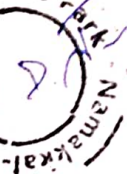
25.04.2024

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This is to certify that the dissertation entitled "EVALUATING MICROBIAL TOLERANCE AND BIOREMEDIATION POTENTIAL IN E-WASTE CONTAMINATED SOIL: INSIGHTS AND IMPLICATIONS" in partial fulfillment of the requirements for the degree of Master of Science in Microbiology, Muthayammal College of Arts & Science, (Autonomous) Rasipuram, is a record of bonafide research work carried out by R.K. KAVIN (22MPMI1013) during the period from January 2024 to March 2024 in the Chromopark under my supervision and guidance. I further affirm that no part of this dissertation has been submitted for the award of any other degree, diploma, associateship, fellowship, or similar title.

Director

Chromopark
Namakkal - 637 001



**CONSTRUCTION OF BIOFORMULATON FOR THE TREATMENT
OF BANANA BUNCHY TOP VIRUS USING BENEFICIAL
ENTOPHYTIC BACTERIA**

*Project submitted to Periyar University in partial fulfillment of the
requirement for the degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

MONISH V (Reg. No: 22MPMI1014)



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Under the Guidance of

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MAY-2024

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11/5/24

Project Guide

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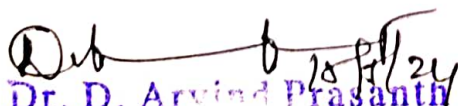
Submitted for the project viva-voce examination held on 12/05/2024


Head of the Department

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Examiners:

1.


18/5/24
Dr. D. Arvind Prasanth
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15/5/24



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I certify that Mr. **MONISH. V** studying his degree M.Sc. Microbiology at Muthayammal, College of Arts and Science, Rasipuram, Tamil Nadu. He completed his final year project entitled '**CONSTRUCTION OF BIOFORMULATON FOR THE TREATMENT OF BANANA BUNCHY TOP VIRUS USING BENEFICIAL ENTOPHYTIC BACTERIA**' from the period of Dec 2023 to Mar 2024 in our Microbiology lab. During his research time his conduct was good

Head



Dr.MANOHAR JEBAKUMAR.R
Head of Research & Advisory
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**ISOLATION AND MOLECULAR TRADITIONAL FERMENTED CHARACTERIZATION OF
PROBIOTIC LACTOBACILLUS SPECIES FROM MILLETS**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

PARAMESHWARAN S

(Reg. No:22MPMI1015)



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(Assistant Professor)

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MARCH-2024

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This is to certify that the Project Report entitled "**Isolation and Molecular Characterization of Probiotic *Lactobacillus* Species from Traditional Fermented Millets**" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **MASTER OF SCIENCE IN MICROBIOLOGY** is a original research work done by **PARAMESHWARAN.S (Reg.No:22MPMI1015)** during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any can did at of any University.

for  14/5/24

Project Guide

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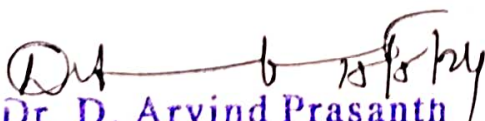
Submitted for the project viva – voce examination held on _____


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Examiners:

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Dr. D. Arvind Prasanth
Associate Professor
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Salem-636 011, TN

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CERTIFICATE

This is to certify that the dissertation work entitled “**Isolation and Molecular Characterization of Probiotic Lactobacillus species from fermented millets**” submitted to Periyar University, Salem - 636 011, in partial fulfillment for the requirement of award of **Master of Science. S. Parameshwaran [Registration number: 22MPMI10105]** during the period 2022-24 of her studies in Muthayammal College of Arts and Science,(autonomous) Rasipuram-637408, Namakkal District, Tamil Nadu. Under my co-guidance at **Mycoblooms Mushroomery Private Limited**, Coimbatore and the report is not previously formed on the basis for the award of any degree/diploma or other similar title to any candidate of any University.

REFANA SHAHUL,

Director & Senior Microbiologist,

Mycoblooms Mushroomery Pvt Ltd,

Coimbatore.

Signature of the Co-Guide



**COMPREHENSIVE ANALYSIS OF PHYTOCHEMICALS, ANTIOXIDANT,
ANTICANCER ACTIVITIES, AND INDUCTION OF APOPTOSIS IN ASPARAGUS
RACEMOSUS EXTRACTS**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

PERUMAL R

(Reg. No:22MPMI1016)



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Under the Guidance of

Mr.N.SUBANA, M.Sc., MPhil.,

(Assistant Professor)

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MAY-2024

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This is to certify that the Project Report ENTITLED "COMPREHENSIVE ANALYSIS OF PHYTOCHEMICALS, ANTIOXIDANT, ANTICANCER ACTIVITIES, AND INDUCTION OF APOPTOSIS IN *ASPARAGUS RACEMOSUS* EXTRACTS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of MASTER OF SCIENCE IN MICROBIOLOGY is a original research work done by PERUMAL.R (Reg.No:22MPMI1016) during the period of his study (2022-2024) in the Department of Microbiology, Muthayammal College of Arts and Science, Rasipuram. (Autonomous) under my supervision / guidance and this project report has not formed the basis for the award of Degree/Diploma/Associates ship/Fellowship or similar title to any can did at of any University.

Perumal.R
13/04/24

Project Guide

Dr. Arvind Prasanth
15/05/24

HEAD OF THE DEPARTMENT
DEPARTMENT OF MICROBIOLOGY
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)

Submitted for the project viva – voice examination held on 15/05/2024 RASIPURAM, (T.N) NAMAKKAL (DT)-637 408.

Examiners:

1. *Dr. D. Arvind Prasanth*
15/05/24

Dr. D. Arvind Prasanth
Associate Professor
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Periyar University
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15/05/2024



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Date : _____

25.04.2024

CERTIFICATE

This is to certify that the dissertation entitled “**COMPREHENSIVE ANALYSIS OF PHYTOCHEMICALS, ANTIOXIDANT, ANTICANCER ACTIVITIES, AND INDUCTION OF APOPTOSIS IN *Asparagus racemosus* EXTRACTS**” in partial fulfillment of the requirements for the degree of Master of Science in Microbiology, Muthayammal College of Arts & Science, (Autonomous) Rasipuram, is a record of bonafide research work carried out by **R.PERUMAL (22MPMI1016)** during the period from January 2024 to March 2024 in the **Chromopark** under my supervision and guidance. I further affirm that no part of this dissertation has been submitted for the award of any other degree, diploma, associateship, fellowship, or similar title.

Director
Chromopark
Namakkal
637 001



BIOSYNTHESIS OF NANOPARTICLES OF MARINE ALGAE AND ACTIVE AGAINST TO ANTICANCER ACTIVITY

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

RAGHUL V

(Reg. No: 22MPMI1017)



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Affiliated to Periyar University, Salem.

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Namakkal District, Tamil Nadu.

MAY – 2024

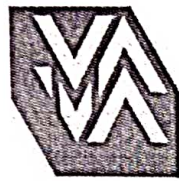
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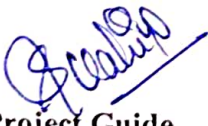
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RASIPURAM (TAMIL NADU) NAMAKKAL (DT)-637 408.
15.05.2024

Submitted for the project viva-voce examination held on

Examiners:

1.


Dr. D. Arvind Prasanth
Associate Professor
Department of Microbiology
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Salem-636 011, TN

2. 
15/5/24

Date : _____

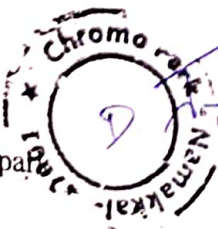
25.04.2024

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This is to certify that the dissertation entitled “BIOSYNTHESIS OF NANOPARTICLES OF MARINE ALGAE AND ACTIVE AGAINST TO ANTICANCER ACTIVITY” in partial fulfillment of the requirements for the degree of Master of Science in Microbiology, Muthayammal College of Arts & Science, (Autonomous) Rasipuram, is a record of bonafide research work carried out by V. RAGHUL (22MPMI1017) during the period from January 2024 to March 2024 in the Chromopark under my supervision and guidance. I further affirm that no part of this dissertation has been submitted for the award of any other degree, diploma, associateship, fellowship, or similar title.

Director

Chromopark



**ISOLATION OF METAL-STRESS TOLERANT PLANT GROWTH PROMOTING
BACTERIA AND DETERMINATE THE FUNGICIDAL ACTIVITY**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

SRINIVASAN V

(Reg. No: 22MPMI1018)



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Under the Guidance of

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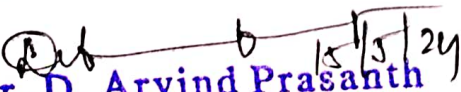

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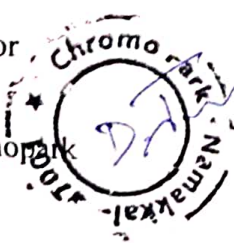
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Director

Chromopark



**Antibacterial activity of green synthesized silver nanoparticles
using *Leucas aspera* plant extract against Multi Drug Resistant
Klebsiella pneumoniae pathogen**

*Project submitted to Periyar University in partial fulfillment of the
requirement for the degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

By

SRIRAM K (Reg.No:22MPMI1019)



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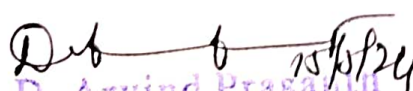
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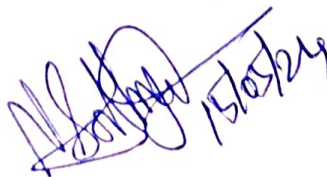

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**STUDY ON UNRAVELING THE THERAPEUTIC POTENTIAL: *ABUTILON INDICUM*
FLOWER EXTRACT AS A PROMISING ANTIMICROBIAL AGENT**

*Project report submitted to Periyar University, Salem in partial fulfillment of
the requirements for the award of degree of*

MASTER OF SCIENCE IN MICROBIOLOGY

by

VIGNESH P

(Reg. No: 22MPMI1020)



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Under the Guidance of

**Dr.S.SHAHITHA, M.Sc., M.Phil., Ph.D., FIAAM.,
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MAY – 2024

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Associate Professor, Research Supervisor
Department of Microbiology

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