

Established in 1981

**Sree Narayana College
Chengannur, Kerala - 689508**

Managed by the Sree Narayana Trusts, Kollam

Affiliated to the University of Kerala

Accredited by NAAC with B Grade

Tel : 0479 2962728

e-mail:snccchengannur@gmail.com

Website:www.sncollegechengannur.org



Dr. Shereen.K

Principal in charge

Mob : +91 9447075311

e-mail:sherinsank@gmail.com

DVV Clarification Criteria 1

1.3.2. Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

1.3.2.1. Number of students undertaking project work/field work / internships

Supporting Document

- Internship completion certificate / project work completion certificate from the organization where internship / project was completed.

CERTIFICATE

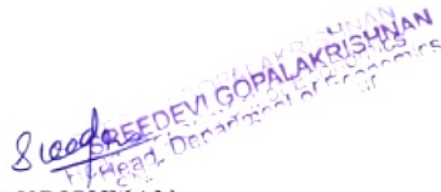
This is to certify that this dissertation entitled '**SOCIO ECONOMIC CONDITION OF FISHERMEN IN KERALA WITH SPECIAL REFERENCE OF CHELLANAM VILLAGE IN ERNAKULAM DISRICT**' is an authentic record of the work carried out by Miss. Lakshmi R (Candidate Code: 15020128010), Miss. Nandana J (Candidate Code: 15020128051), Miss Gopika Prasad (Candidate Code: 15020128039), Mr. Navaneeth S Das (Candidate Code: 15020128052) of 6th semester BA Economics, Department of Economics, Sree Narayana College Chengannur under my supervision and guidance in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Economics under CBCSS of University of Kerala and that no part thereof has been presented for any other degree.



SREEDEVI GOPALAKRISHNAN

(Project Guide)

Countersigned by

SREEDEVI GOPALAKRISHNAN


(Head of Dept. of Economics)

Chengannur

Date: 15/5/2023

CERTIFICATE

This is certify that the work entitled “SOCIO- ECONOMIC IMPACT OF WATER POLLUTION – A CASE STUDY OF AMBALAPPUZHA NORTH GRAMA PANCHAYAT” submitted to the University of Kerala in partial fulfillment of the requirement for the award of BA Degree, Final Semester Degree Programme in Economics under CBCSS is a bonafide research carried out by MEGHA MURALI ,MUHSINA SIDHIQ, NABIN NAZAR , SANDRA S NAIR, SURYA LEKSHMI .S, Sree Narayana College . Chengannur under our supervision and guidance .



Prahaladhan K.K
Guest lecturer
Department of Economics
SN College Chengannur



Sreedevi Gopalakrishnan
HoD & Assistant professor
Department of Economics
SN College Chengannur

JYOTHISH S

Guest Lecturer

Department of Economics


S N College, Chengannur

CERTIFICATE

This is to certify that the dissertation entitled “**Economic burden of diabetes in Kerala: with special reference to Ala Panchayat, Alappuzha District**” submitted for the partial fulfillment of the requirement for the award of the Degree of the Bachelor of Arts in Economics by **ADITHYA SHANKAR, AMESH MOHAN, AMJAD NAVAS, ANANDU S** is based on the original work undertaken by them in the Department of Economics, SN College Chengannur, and that this entitled work has not previously formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or any other similar title.

Place: Chengannur

Date: 15th May, 2023


JYOTHISH S

(Supervisor)




SREEDEVI GOPALAKRISHNAN

(Assistant Professor & HoD,
Department of Economics)


Sreedevi Gopalakrishnan
Head, Department of Economics
SN College, Chengannur

CERTIFICATE

This is to certify that project entitled "IMPACT OF HOUSEBOAT TOURISM -A STUDY ON ALPPUZZHA REGION, KERALA" submitted to the university of kerala in partial fulfilment of requirements for the award of BA Degree , First Degree program in Economics under the CBCSS is a bonafide research carried out by, Ajaya kumar . M, Anjali. m, Anujith.T, Aromal. k.s, Arun.R VI semester BA Economics, Sree Narayana college chengannur, under my supervision and guidance.


Mrs. Sreedevi Gopalakrishnan
Head & Assistant professor
Department of Economics,
SN college chengannur

SREEDEVI GOPALAKRISHNAN
Head, Department of Economics
SN College, Chengannur


Smt. Rajani. N
Supervisory Teacher

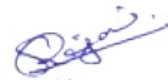
CERTIFICATE

This is to certify that project entitled "*THE STUDY ONF THE TEMPORARY WORKERS IN ECOTOURISM DESTINATIONS OF PATHANAMTHITTA*" submitted to the university of kerala in partial fulfilment of requirements for the award of BA Degree , First Degree program in Economics under the CBCSS is a bonafide research carried out by, Davison sam, Ganga lekshmi.G, Jincy.s ,Lekshmi.r ,and Malu.s, VI semester BA Economics, Sree Narayana college chengannur, under my supervision and guidance.



Mrs. Sreedevi Gopalakrishnan,
Head & Assistant professor
Department of Economics,
SN college chengannur

SREEDEVI GOPALAKRISHNAN
Head, Department of Economics
SN College, Chengannur



Smt. Rajani. N

Supervisory Teacher

CERTIFICATE

This is to certify that this work entitled "*A study on online food delivery system with special reference to the Alappuzha district*" submitted to the University of Kerala in partial fulfilment of the requirement for the award of B. A Degree, First Degree program in Economics under CBCSS is bonafide research carried out by GANGA S LAL, LAJIN A, NITHUL RAJ, RAJU. G, and SWATHY GIREESH, VI Semester B.A Economics, Sree Narayana College, Chengannur under my supervision and guidance.

Sreedevi

Mrs Sreedevi Gopalakrishnan
Head of the Department
Department of Economics
S N College Chengannur

Mahima

Dr Mahima S
Assistant Professor
Department of Economics
S N College Chengannur

SREEDEVI GOPALAKRISHNAN
Head, Department of Economics
SN College, Chengannur

DECLARATION

We, do hereby declare that the project report entitled **A CAUSE STUDY OF PATHANAMTHITTA DISTRICT KHADI INDUSTRY ELANTHOOR** is a record of an original work carried out by us under the supervision and guidance of Assistant professor Ms Deepti Acharya Department of economics Sree Narayana College Chegannur we declare this has not previously formed the basis for the award of any degree , diploma , fellowship, or other similar title of recognition.

Place: *Chengannur*

Date: *15/5/2023*

ATHIRA R. *Athira R*

ATHUL KRISHNAN *Athul*

ATHULYA S. *Athulya S*

AVANI SUSEELAN. *Avani S*

DEVIKA REGHU *Devika*

CERTIFICATE

Sree Narayana College

Chengannur 689508

May 2023

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to certify that this project intitled " **SOCIO-ECONOMIC CASE STUDY OF CASHEW WORKERS ERUVA** " is an authentic record of the work carried out by the following candidates in partial fullfillment of the requirement for the award of the Degree of Bachelor of Arts in Economics of the university of Kerala under my supervisions

SIno	Name of candidates
1.	Indrajith Krisnan
2.	Teema Yohannan
3.	Varsha. V
4.	Vishnu. S
5.	Vishnu Jayakumar


Ms. DEEPTI ACHARYA

(Supervising Teacher)


Smt.SREEDEVIGOPALAKRISHNAN

(Head of the Department)

SREEDEVI GOPALAKRISHNAN
Head, Department of Economics
SN College, Chengannur

Sree Narayana College chengan

SREE NARAYANA COLLEGE, CHENGANNUR



CERTIFICATE

This is to certify that the project report entitled "DAIRY FARMING AND CONTRIBUTION OF APCOS- A CASE STUDY OF THAMARAKULAM KUSC PANCHAYAT" submitted to the University of Kerala in partial fulfillment of the requirement for the award of BA Degree, Final Semester Degree Programme in Economics under CBCSS is a bonafide research carried out by NIDHIN .S. MADHU, NIKHIL KUMAR .A, SAKEER HUSSAIN .S, VISHNU .C , Sree Narayana College , Chengannur under our supervision and guidance .

Prahaladhan K.K
Guest lecturer
Department of Economics
SN College, Chengannur

SREEDEVI GOPALAKRISHNAN
Head, Department of Economics

Sreedevi Gopalakrishnan
HoD & Assistant professor
Department of Economics
SN College Chengannur

CERTIFICATE

This is certify that the work entitled " *STUDY ON EFFECTS SHOPPING MALL WITH SPECIAL REFERENCE TO LULU MALL TRIVANDRUM*" submitted to the university of Kerala in partial fulfillment of requirements for the award of BA Degree, First Degree program in Economics under the CBCSS is a bonafide research carried out by VIDHUMOL R , ABIN A ,ADHITHYAN K S , AKHILA B , AMALKRISHNAN K VI semester BA Economics, Sree Narayana college Chengannur under my supervision and guidance

Sreedevi
SREEDEVI GOPALAKRISHNAN
Head, Department of Economics
SN College, Chengannur

Mrs. Sreedevi Gopalakrishnan,
Head & Assistant professor
Department of Economics,
SN college Chengannur

Mahima
Dr Mahima S
Assistant Professor
Department of Economics
SN College Chengannur

SREE NARAYANA COLLEGE
CHENGANNUR, KERALA
DEPARTMENT OF COMMERCE

CERTIFICATE

This is to certify that a report on "A STUDY ON TRANSPORTATION FACILITIES IN CHENGANNUR " carried out by SANJAY SAJAYAN, SARANYA.S ,SIYANA SUDHEER, SREELEKSHMIS, VINOY VARGHESE , in partial fulfillment of the requirement of Bachelor of commerce, University of Kerala. This is Bonafide report of the work done by them under our supervision and guidance. Also certified that this report has been submitted to any other institute or university for the award of any degree, diploma or fellowship.



Smt. THUSHARA U.S
(Head of Commerce Department)

THUSHARA. U.S
Asst. Professor & HOD
Department of Commerce
Sree Narayana College
Chengannur



DR NISHAD A
(Assistant professor)

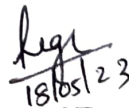


9/05/23

Dr. SHEREEN. K

Principal
SREE NARAYANA COLLEGE
CHENGANNUR
Sree Narayana College

Chengannur



18/05/23

Signature of Examiner



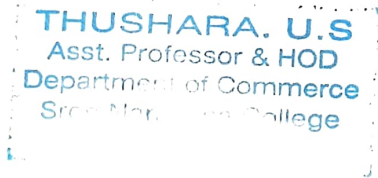
DEPARTMENT OF COMMERCE
SREE NARAYANA COLLEGE, CHENGANNUR, KERALA

CERTIFICATE

This is to certify that a report on “ A STUDY ON THE EFFECTIVENESS OF EMPLOYEES GRIEVANCE REDRESSAL SYSTEM WITH SPECIAL REFERENCE TO MILMA IN KOLLAM ” is a record of studies carried out by NAVANEETH A.R, NILA S ANAND, NISHANTH SUDHAN, PUNYA S, RITHU T in partial fulfilment of the requirement of Bachelor of commerce, University of Kerala. This is the bonafide report of the work done by them under our supervision and guidance and that no part of this project has been submitted to any other institute or university for the award of any degree , diploma or fellowship .



Smt. **THUSHARA US**

Head, Department of Commerce
Sree Narayana College , Chengannur



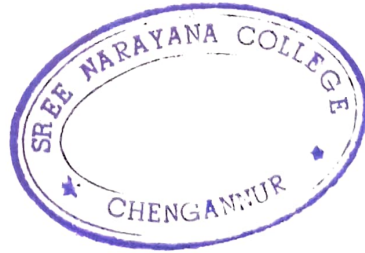


Smt. **SOUMYA SURENDRAN**
Assistant professor
Sree Narayana College ,
Chengannur


8/5/23.

PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR

Dr . **SHEREEN K**
Principal in charge
Sree Narayana College , Chengannur



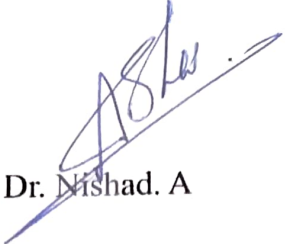

Signature of Examiner


SREE NARAYANA COLLEGE, CHENGANNUR

DEPARTMENT OF COMMERCE

CERTIFICATE

This is to certify that a report on "A STUDY ON SOLID WASTE MANAGEMENT BY HARITHA KARMA SENA IN CHERIYANNAD LOCALITY" carried out by DHANYA P S, MIDHUN MOHAN, MUHAMMAD BILALS, NAVAMY Z and SONA AJI in partial fulfilment of the requirement of bachelor of commerce, Kerala University. This is a bonfire report of the work done by them under our supervision and guidance. Also certified that this report has not been submitted to any other institution or university for the award of any degree, diploma or fellowship.


Dr. Nishad. A
(Asst. professor)


Smt. Thushara U.S
(Asst. professor)

Head of the department of commerce

THUSHARA, U.S
Asst. Professor & HOD
Department of Commerce
Sree Narayana College
Chengannur


DR SHEREEN K

**PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR**

Principal,

SN College, Chengannur

Signature of the Examiner



DEPARTMENT OF COMMERCE

SREE NARAYANA COLLEGE, CHENGANNUR, KERALA

CERTIFICATE

This is to certify that this project entitled **A STUDY ON THE WORK LIFE BALANCE AMONG WOMEN TEACHERS IN HIGHER SECONDARY SCHOOLS A STUDY WITH SPECIAL REFERENCE TO CHENGANNUR TALUK** is a record of studies carried out by **Abhaya U.S, Aparna Raj, Dhanya Babu, Bipin.B and Muhammed Asif** in partial fulfilment of the requirements for the Degree of Bachelor of Commerce, University of Kerala. This is bonafide report of the work done by them under our supervision and guidance and that no part of this project has been presented earlier for the award of any degree, diploma, title or recognition.

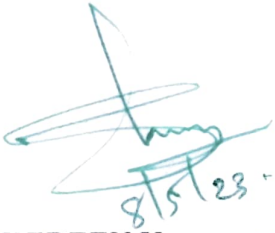


THUSHARA U S

THUSHARA. U.S
Asst. Professor & HOD
Department of Commerce
Sree Narayana College
Chengannur

Head, Department of Commerce

Sree Narayana College, Chengannur



Dr.SHEREEN K

PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR

Principal in charge

Sree Narayana College, Chengannur



Signature of Examiner

DEPARTMENT OF COMMERCE
SREE NARAYANA COLLEGE
CHENGANNUR, KERALA

CERTIFICATE


This is to certify that a report on "A study on consumer awareness towards consumer protection Act, 1986 with special reference to Chengannur Taluk" carried out by ABIN BINU, VARSHA RAJESH, SAYUJYA JAYARAJ, SHERY SHIBU, SHILPA SURESH in partial fulfilment of the requirement of Bachelor of commerce, University of Kerala. This is Bonafide report of the work done by them under our supervision and guidance. Also certified that this report has been submitted to any other institute or university for the award of any degree, diploma or fellowship.



Smt. THUSHARA U.S
(Head of Commerce Department)



Ms. SNEHA SURESH
(Assistant professor on contract)



Dr. SHEREEN. K

Principal

Sree Narayana college

Chengannur

Signature of examiner



PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR

DEPARTMENT OF COMMERCE

SREE NARAYANA COLLEGE, CHENGANNUR, KERALA

CERTIFICATE

This is to certify that a report on "A STUDY ON PROBLEMS AND PROSPECTS OF WOMEN ENTREPRENEURSHIP IN MAVELIKARA" carried out by ARSHA R, ASHWIN BINU, ASWANY S LALU, ASWIN V K, ATHULYA P in partial fulfilment of the requirement of **Bachelor of commerce, University of Kerala**. This is Bonafide report of the work done by them under our supervision and guidance. Also certified that this report has been submitted to any other institute or university for the award of any degree, diploma or fellowship.



Smt. **THUSHARA U S**

HOD, Department of commerce

Sree Narayana College,

Chengannur

THUSHARA. U.S
Asst. Professor & HOD
Department of Commerce
Sree Narayana College
Chengannur



Smt. **SOUMYA SURENDRAN**

Assistant professor

Sree Narayana College,

Chengannur



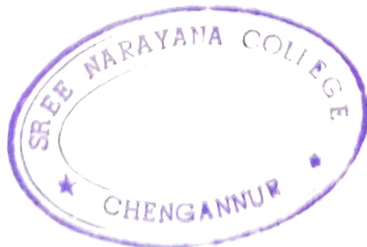
Dr. **SHEREEN. K**

Principal.

Sree Narayana College,

Chengannur

**PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR**



Signature of Examiner

WIRELESS POWER TRANSMISSION

MINI PROJECT REPORT

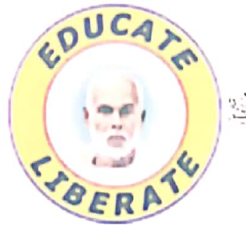
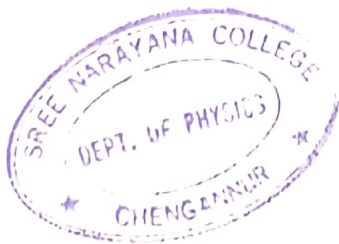
Submitted to

UNIVERSITY OF KERALA

In Partial fulfillment of the requirements for the award of the degree
of Bachelor of Science in Physics



SUBMITTED BY,
DAYAL UDAYAN



DEPARTMENT OF PHYSICS
SREE NARAYANA COLLEGE
CHENGANNUR

**SREE NARAYANA COLLEGE
CHENGANNUR**

**DEPARTMENT OF PHYSICS
CORE COURSE -PHYSICS**



PROJECT REPORT

Name : DAYAL UDAYAN
Register No : 23020128004
Admission No : 10188
Serial No :
Year of study from : 2020-2023

Group members name :

1. ANJU B
2. ANSEENA A
3. DAYAL UDAYAN
4. SANJEEV SATHYAN
5. SHIJI JOHNSAN

Examiner (1).....*Dr. Anu A*

Certificate Bonafide:.....

Examiner (2).....*Dr. AB-rabha*

Head of the Dept.....

PIEZOELECTRIC GENERATOR

MINI PROJECT REPORT

Submitted to

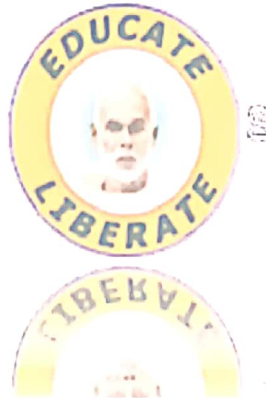
UNIVERSITY OF KERALA

In Partial fulfillment of the requirements for the award of the degree
of Bachelor of Science in Physics



SUBMITTED BY

GROUP II



DEPARTMENT OF PHYSICS

SREE NARAYANA COLLEGE CHENGANNUR

**SREE NARAYANA COLLEGE
CHENGANNUR**

**DEPARTMENT OF PHYSICS
CORE COURSE -PHYSICS**



PROJECT REPORT

Name : THOMAS KURIAKOSE
TINI CHANDRAN
AMRUTHA S
ANJU UTHAMAN
SWATHY SANTHOSH

RegisterNo : 23020128007,2302012800
8,23020128009,23020128
010,23020128011

AdmissionNo : 10417,10309,10319,10312

Serial No :

Year of study : 2020-2023

Examiner(1).....

CertificateBonafide:.....

Examiner(2).....

Head of theDept.....

STRUCTURAL AND OPTICAL PROPERTIES OF COPPER DOPED TITANIUM OXIDE NANOPARTICLES

Project report submitted to the University of Kerala for the partial fulfilment of the
Requirement for the award of degree of

MASTER OF SCIENCE

IN

PHYSICS

By

LAKSHMI S

Reg. no: 63021128008



**SREE NARAYANA COLLEGE,
CHENGANNUR**

Under the supervision of

Dr. K. SREELATHA

**ASSOCIATE PROFESSOR AND HEAD
SREE NARAYANA COLLEGE, CHENGANNUR**

Hydrothermal route to graphene quantum dots (GQDs): Effects of temperature

A Project report submitted to the

University of Kerala

For the partial fulfilment of the requirements for the Degree of

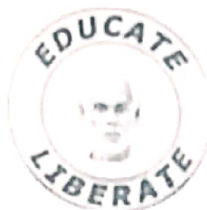
MASTER OF SCIENCE IN

PHYSICS

By

LEKSHMI B

Reg no: 63021128009



Sree Narayana College,

Chengannur

Under the supervision of

Dr VINOY THOMAS

ASSOCIATE PROFESSOR

HEAD OF THE DEPARTMENT

CHRISTIAN COLLEGE

CHENGANNUR

AUGUST 2023



SYNTHESIS AND CHARACTERISATION OF
LITHIUM FERRITE

A Project Report submitted to the University of Kerala
for the partial fulfillment of the requirements for the Degree of

MASTER OF SCIENCE IN
PHYSICS

By

PARVATHY.S.KUMAR

Reg no : 63021128010



SREE NARAYANA COLLEGE , CHENGANNUR

Under the supervision of

DR. LAKSHMI VIJAYAN

ASSISTANT PROFESSOR

ST.ALOYSIUS COLLEGE , EDATHUA

AUGUST 2023



***Structural and optical bandgap analysis of a novel
heterogeneous nanocomposite***

***Project report submitted to the
University of Kerala***

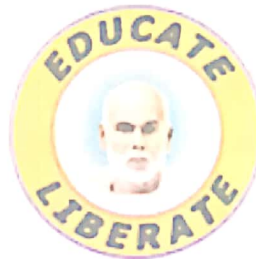
In partial fulfilment of the requirements for the award of the Degree of

***MASTER OF SCIENCE
IN PHYSICS***

By

SANDEEP KUMAR.S

Reg.no: 63021128011



Sree Narayana College,
Chengannur

Under the supervision of

Dr. INDULAL C.R

ASSISTANT PROFESSOR
ST. GREGORIOS COLLEGE
KOTTARAKKARA
AUGUST 2023



*Structural, optical and viscous studies of
Barium Oxide nanofluid*

Project report submitted to the

University of Kerala

In partial fulfilment of the requirements for the award of the Degree of

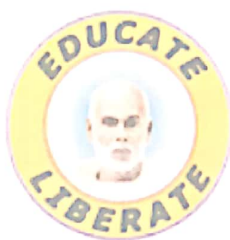
MASTER OF SCIENCE

IN PHYSICS

By

ANJALI.S

Reg.no: 63021128001



Sree Narayana College,

Chengannur

Under the supervision of

Dr. INDULAL C.R

ASSISTANT PROFESSOR

ST. GREGORIOS COLLEGE

KOTTARAKKARA

AUGUST 2023



**Investigation of the structural properties of reduced graphene oxide (RGO)
via green hydrothermal method at different temperatures**

A project report submitted to the University of Kerala for the partial fulfilment of the

Requirement for the degree of

MASTER OF SCIENCE

IN PHYSICS

By

ARDRA SAJEEV

Reg. no: 63021128002



Sree Narayana College,

Chengannur

Under the supervision of

Dr. VINOY THOMAS

ASSOCIATE PROFESSOR AND

HEAD OF THE DEPARTMENT

CHRISTIAN COLLEGE

CHENGANNUR

AUGUST 2023



**STRUCTURAL AND OPTICAL
PROPERTIES CNT INTERCALATED In_2S_3
THIN FILM**

Project report submitted to the University of Kerala for the partial fulfilment of the
Requirement for the degree of

**MASTER OF SCIENCE
IN
PHYSICS**

By
ASWATHI ASHOK
Reg. no: 63021128003



**SREE NARAYANA COLLEGE,
CHENGANNUR**

Under the supervision of

Dr. JINCEMON CYRIAC
ASSISTANT PROFESSOR
MARIAN COLLEGE (AUTONOMOUS), KUTTIKANAM

AUGUST 2023



SYNTHESIS AND CHARACTERIZATION OF TITANIUM OXIDE NANOPARTICLES

Project report submitted to the University of Kerala for the partial fulfilment of the
Requirement for the award of degree of

MASTER OF SCIENCE

IN

PHYSICS

By

GOPIKA P S

Reg. no: 63021128005



**SREE NARAYANA COLLEGE,
CHENGANNUR**

Under the supervision of

Dr. K. SREELATHA

**ASSOCIATE PROFESSOR AND HEAD
SREE NARAYANA COLLEGE, CHENGANNUR**

Experimental investigation on thermal conductivity of Strontium Oxide Nano fluid

**Project report submitted to the
University of Kerala**

In partial fulfillment of the requirements for the award of the Degree of

**MASTER OF SCIENCE
IN PHYSICS**

By

GREESHMA BABU

Reg. no: 63021128006



Department of Physics

SREE NARAYANA COLLEGE

CHENGANNUR

2021-2023



PHOTOCATALYSIS STUDY OF GRAPHENE: In_2S_3 NANOCOMPOSITE THIN FILMS

*A project report submitted to the University of Kerala for the partial fulfilment Of the
Requirement for the Degree of*

**MASTER OF SCIENCE
IN PHYSICS**

By

KAVITHA K M

Reg. no: 63021128007



**SREE NARAYANA COLLEGE,
CHENGANNUR**

Under the supervision of

**Dr. JINCEMON CYRIAC
ASSISTANT PROFESSOR**

MARIAN COLLEGE (AUTONOMOUS), KUTTIKANAM

AUGUST 2023



ESTIMATION OF CHLOROPHYLL CONTENT OF SOME MEDICINAL PLANTS AVAILABLE IN KERALA

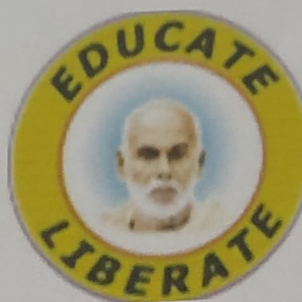
*Dissertation submitted to the University of Kerala in
partial fulfillment for the award of Degree of Bachelor of
Science in Chemistry*

Submitted by:

Name	Candidate Code
1. GOPIKA S. SHAJI	: 23520128005
2. SAVANTH S.	: 23520128006

Subject Code: 235
Exam Code: 23520601

Under the guidance of
Dr. Jisha Sreedharan
Assistant Professor




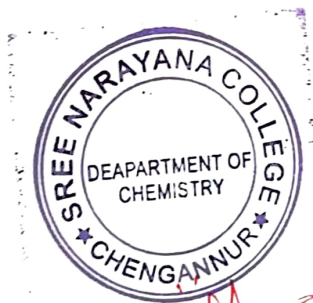
DEPARTMENT OF CHEMISTRY
SREE NARAYANA COLLEGE
CHENGANNUR, ALAPPUZHA
MARCH 2023

CERTIFICATE

*This is to certify that the dissertation entitled “**Estimation Of Chlorophyll Content Of Some Medicinal Plants Available In Kerala**” is an authentic record of work carried out under my supervision and guidance in partial fulfillment of requirement for the award of the Bachelor Degree in Chemistry. I further certified that no part of this project has been submitted earlier for the award of any other degree, diploma of other similar titles of any University.*

Dr. Venu S.
Head and Assistant Professor
Department of Chemistry
Sree Narayana College
Chengannur


Dr. Jisha Sreedharan
Assistant Professor
Department of Chemistry
Sree Narayana College
Chengannur



External Examiners:

1. 
17/5/23

2. 
17/5/23

Valued

**DETERMINATION OF VITAMIN C
CONCENTRATION IN DIFFERENT FRUIT SAMPLE BY REDOX
TITRATION**



*Dissertation submitted to the university of Kerala in partial fulfillment for the Award of
Degree of bachelor of science in chemistry*

SUBMITTED BY ,

ARJUN A

REG NO. 23520128007

ARSHA A KUMAR

REG NO. 23520128008

TS ADITHYARAJ

REG NO. 23520128012

EXAMINATION CODE : 23520601

SUBJECT CODE : 235

**UNDER THE GUIDANCE OF DR . AMBILY CHANDRAN
ASSISTANT PROFESSOR**



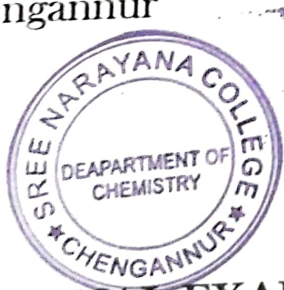
**DEPARTMENT OF CHEMISTRY
SREE NARAYANA COLLEGE
NEDUVARAMCODE P O, CHENGANNUR, KERALA
MARCH 2023**

CERTIFICATE

*This is to certify that the dissertation entitled
"DETERMINATION OF VITAMIN C
CONCENTRATION IN DIFFERENT FRUIT
SAMPLE BY REDOX TITRATION" is an
authentic record of work carried out under my
supervision and
guidance in partial fulfillment of requirement for the
award of the Bachelor Degree in Chemistry. I
further certified that no part of this project has been
submitted earlier for the award of any other degree,
diploma of other similar titles of any University.*

Dr. Venu S.
Head and Assistant Professor
Department of Chemistry
Sree Narayana College
Chengannur

Dr. Ambily chandran
Assistant Professor
Department of Chemistry
Sree Narayana College
Chengannur



EXTERNAL EXAMINERS:

1. *[Signature]*
17/5/23
2. *[Signature]*
17/5/23

Valmed

**EXTRACTION OF CAFFEINE FROM VARIOUS
BRANDS OF COMMERCIALY
AVAILABLE TEA LEAVES**

*Dissertation submitted to the University of Kerala in partial fulfillment for the
award of Degree of Bachelor of Science in Chemistry*

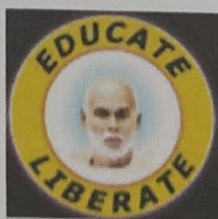
Submitted by:

Name		Candidate Code
1. AJAY R	:	23520128002
2. NEETHU S	:	23520128009
3. RISHIKESH P S	:	23520128010

Subject Code : 235
Exam Code : 23520601

Under the guidance of

Dr. Smitha Sasidharan
Assistant Professor
Department of Chemistry



**DEPARTMENT OF CHEMISTRY
SREENARAYANA COLLEGE
CHENGANNUR, ALAPPUZHA
MAY 2023**

CERTIFICATE

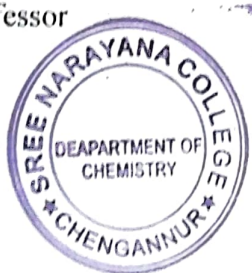
This is to certify that the project entitled


'EXTRACTION OF CAFFINE FROM VARIOUS BRANDS OF COMMERCIALY AVAILABLE TEA LEAVES'

is an authentic record of the dissertation work carried out under my supervision and guidance in partial fulfillment of requirement for the award of the Bachelor Degree in Chemistry. I further certified that no part of this project has been submitted earlier for the award of any other degree, diploma of other similar titles of any University.

Dr. Venu S.
Head and Assistant Professor

Department of Chemistry
Sree Narayana College,
Chengannur




Dr. Smitha Sasidharan
Assistant Professor

Department of Chemistry
Sree Narayana College
Chengannur

EXTERNAL EXAMINERS: 1.


17/5/23

2.


17/5/23

Valmed

ESTIMATION OF FERROUS IRON CONTENT PRESENT IN DIFFERENT IRON TABLETS

*Dissertation submitted to the University of
Kerala in partial fulfillment for the award of Degree of
Bachelor of Science in Chemistry*

Submitted by

Name	Candidate Code
1. ABHILASH T MOHAN	23520128001
2. GAUTHAM MANMADHAN	23520128004
3. SWETHA SURESH	23520128011

Subject code : 235

Exam code : 23520601

Under the Guidance of

Dr. Anju K S
Assistant Professor



DEPARTMENT OF CHEMISTRY
SREE NARAYANA COLLEGE, CHENGANNUR
ALAPPUZHA, MAY 2023

CERTIFICATE

This is to certify that the dissertation entitled "*ESTIMATION OF FERROUS IRON CONTENT PRESENT IN DIFFERENT IRON TABLETS*" is an authentic record of work carried out under my supervision and guidance in partial fulfillment of requirement for the award of the Bachelor Degree in Chemistry. I further certified that no part of this project has been submitted earlier for the award of any other degree, diploma of other similar titles of any University.

Dr. Venu S

Head and Assistant professor

Department of Chemistry

Sree Narayana College

Chengannur

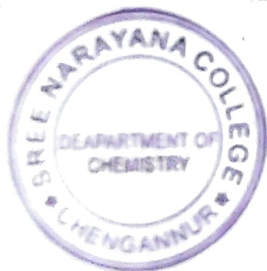
Dr. Anju K S

Assistant professor

Department of Chemistry

Sree Narayana College

Chengannur



External Examiners :

(1) ~~PP~~
12/5/23

(2) PP
17/5/23

~~Venu S~~

63521128001



Dr. Smitha Chandran.S
Associate Professor
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled "**Phyto mediated biogenic synthesis of silver nanoparticles using leaf extract of *Justicia adhatoda* and its applications**" has been carried out by **AJIL S B (63521128001)** under my guidance and supervision at the **Department of Chemistry, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam – 690525**, as part of the final semester project work for his Master's Degree in Chemistry, is an authentic record of the work carried out by him, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.

Amritapuri

Chairperson
Department of Chemistry
Amrita Vishwa Vidyapeetham
School of Arts & Sciences
Amritapuri Campus, Cleppana P.O
Kollam - 690 525


Dr. Smitha Chandran.S

63521128002

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KANNUR UNIVERSITY



(NAAC Accredited with B Grade)
SCHOOL OF CHEMICAL SCIENCES
SWAMI ANANTHA THEERTHA CAMPUS
PAYYANUR, EDAT, P.O. - 670 327
KERALA, INDIA

Phone : 0497 - 2906402
Telefax : 0497 - 2906402

Ref. No.

Date : 22-08-2023

CERTIFICATE

This is to certify that the project entitled "Graphitic Carbon Nitride/Graphene Oxide Nanohybrid for the Adsorptive Removal of Methyl Orange from Wastewater" submitted to Kerala University in partial fulfilment of the requirements for the award of the Degree of Master of Science is a record of original work done by ANJANA T.V (Reg No: 63521128002) from School of Chemical Sciences, Payyanur Campus, Kannur University under my supervision and guidance. The work presented in this dissertation has not been submitted for any other degree/diploma of this or any other university.



Place: Payyanur


Date: 22-08-2023

Shima

Dr. SHIMA P.D

Dr. SHIMA. P.D
Assistant Professor
Department of Chemistry
(Swami Anandatheertha Campus-Payyanur)
Kannur University, Kerala - 670 327


63521128003


 **ADVANCED MOLECULAR MATERIALS RESEARCH CENTRE (AMMRC)**
MAHATMA GANDHI UNIVERSITY
Priyadarshini Hills P.O., Kottayam, Kerala, INDIA-686 560
www.ammrc.mgu.ac.in | ammrcmgu@gmail.com | ammrc@mgu.ac.in

CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND STUDY OF DITHIOBENZOTHLADIAZOLE BASED DONOR- π -ACCEPTOR SYSTEM FOR HEAVY METAL DETECTION" is an authentic record of project work carried out by **Ms. ANUGRAHA A.S.** Reg No.635211280103, Stree Narayana college, Chengannur under our combined supervision and guidance at Advanced Molecular Materials and Research Centre (AMMRC), Mahatma Gandhi University, Kottayam, during the period from 01/03/2023-30/05/2023 in partial fulfilment for the requirements for the award of degree of Master of Science in Chemistry.

Kottayam
1/08/2023


Dr. Vineetha P. K.
(Project Supervisor)


Dr.S.Anas
(Co-Guide)
Honorary Director, AMMRC

63521128004



Dr. Sreedha Sambhudevan
Assistant Professor
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled "**SYNTHESIS OF ALPHA CHITIN & BETA CHITIN NANOFIBERS AS A BIOBASED REINFORCEMENT FOR PVA/Fe(III) NANOCOMPOSITE FILMS – FABRICATION -MECHANICAL & ABSORPTION STUDIES**" has been carried out by ARABHI A R (63521128004) under my guidance and supervision at the Department of Chemistry, Amrita School of Arts & Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam - 690525, as part of the final term project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.

Chairperson
Department of Chemistry
School of Physical Sciences
Amrita Vishwa Vidyapeetham
Amritapuri Campus, Kollam-690525
Amritapuri

Dr SREEDHA SAMBHUDEVAN

63521128005



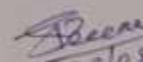
Dr. Beena S
Assistant Professor (Sl. Grade)
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled " **ELECTROCHEMICAL QUANTIFICATION OF TRYPTAMINE USING ORTHO-PHENYLENEDIAMINE MODIFIED PENSIL GRAPHITE ELECTRODE**" has been carried out by **CHIPPY HARISH (63521128005)** under my guidance and supervision at the **Department of Chemistry, Amrita School of Arts & Sciences, Amrita Vishwa Vidyapeetham, Amritapuri Kollam – 690525**, as part of the final term project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.

Chairperson
Department of Chemistry
School of Physical Sciences
Amrita Vishwa Vidyapeetham
Amritapuri Campus, Kollam-690525

Amritapuri

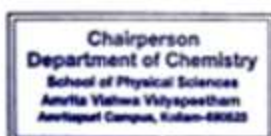

23/08/2023
Dr. Beena S



Dr. Shylesh Chandran M S
Assistant Professor
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled "Assessment of Microplastic Concentration Sediments in Azheekkal Beach, Kollam District, Kerala" has been carried out by **GOWRI PRASAD (63521128006)** under my guidance and supervision at the **Department of Chemistry, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam – 690525**, as part of the final semester project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.



Amritapuri

M. S. Chandran
Dr. Shylesh Chandran M S

63521128007



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MAHATMA GANDHI UNIVERSITY

Priyadarshini Hills P.O., Kottayam - 686 560,
Kerala, India.

To : 0481-2732120, 2732630 (C)

Fax : 0481-2732630

E-mail : accessd@mgu.ac.in

CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF MULTI-LAYERED AQUATIC WEED DERIVED NATURAL FIBER FOR THE ENHANCED REMOVAL OF TEXTILE DYE" is a bona fide record of the work done by Ms. Krishna. S.V(Candidate code 63521128007), M.Sc. Chemistry, Sree Narayana college Chengannur, Alappuzha, under my guidance in the Advanced Centre of Environmental Studies and Sustainable Development (ACCESSD), Mahatma Gandhi University, Kottayam, from March to May 2023.

Dr. Shanthi Prabha V
(Research guide)
Research Scientist
ACCESSD
Mahatma Gandhi University
Kottayam

Dr. A P Thomas
Director
ACCESSD
Mahatma Gandhi University
Kottayam



63521128008

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(NAAC Accredited with B Grade)
SCHOOL OF CHEMICAL SCIENCES
SRMAM ANANTHA THEERTHA CAMPUS
PAYYANUR, EDAT, P.O. - 670 327
KERALA, INDIA

Phone : 0497-288402
Mobile : 0497-288402

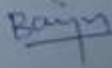
Date: 22-05-2023


Ref No: _____

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This is to certify that the project entitled "**Doped g-C₃N₄-BiVO₄ composite for photocatalytic degradation of dye and antibiotics in water**" submitted to Kerala University in partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a record of original work done by **Meenakshy A (63521128008)** at School of Chemical Sciences, Payyanur Campus, Kannur University under my supervision and guidance. The work presented in this dissertation has not been submitted for any other degree/diploma of this or any other University.

Place: Payyanur
Date: 22-05-2023


Dr. BAIJU, K. V., M.Sc, Ph.D.
Assistant Professor, Department of Chemistry
Kannur University, Payyanur Campus
Edat P. O., Kannur-670 327



63521128009

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Ref. No. _____	Date: <u>22-08-2023</u>
<p><u>CERTIFICATE</u></p>	
<p>This is to certify that the project entitled "Adsorptive Removal of Organic Pollutant Methylene Blue from Aqueous Solution Using Graphene Oxide/Graphitic Carbon Nitride NanoHybrid" submitted to Kerala University in partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a record of original work done by MEENU REMESH (Reg.No: 63521128009) from School of Chemical Sciences, Payyanur Campus, Kannur University under my supervision and guidance. The work presented in this dissertation has not been submitted for any other degree/diploma of this or any other university.</p>	
Place: Payyanur Date: <u>22-8-2023</u>	 Dr. SHIMA P. D. Dr. SHIMA. P.D Assistant Professor Department of Chemistry (Swami Anandatheertha Campus-Payyanur) Kannur University, Kerala - 670 327
	

63521128010



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, तिरुवनन्तपुरम- 11, केरल
Sree Chitra Tirunal Institute for Medical Sciences and Technology,
Thiruvananthapuram- 11, Kerala
(भारत सरकार के अधीन राष्ट्रीय महत्व का संस्था)
(An Institution of National Importance under Government of India)
दूरभाष सं./Telephone No. 0471-2443152 फाक्स/Fax 0471-24464332550728
ई-मेल/E-mail : sct@sctimst.ac.in वेबसाइट/ Website : www.sctimst.ac.in


Dr. Manju. S
Scientist E
Division of Dental Products
Dept. Biomaterial Science and Technology
Biomedical Technology Wing
SCTIMST, Trivandrum-695012
Phone: +914712520341; Mobile: +919539263017
Email: manjus@sctimst.ac.in

15th August 2023

CERTIFICATE

This is to certify that the dissertation entitled "**Synthesis and Characterisation of Zein based Radiopaque Microbeads for Transarterial Chemoembolization**" is an authentic record of the work carried out by Ms. Reshma R S, under my supervision in partial fulfilment for the degree of Master of Science in Chemistry and no part of this dissertation has been presented before for any other degree.

Thiruvananthapuram

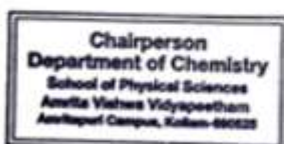

Dr. Manju.S
Guide



Dr. Shylesh Chandran M S
Assistant Professor
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled "Microplasties In Mangrove Sediments, Near Azheekal Beach, Kollam District" has been carried out by **ROHINI S PILLAI (63521128011)** under my guidance and supervision at the **Department of Chemistry, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam-690525**, as part of the final semester project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.



Amritapuri

Dr. Shylesh Chandran M S

63521128012

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KANNUR UNIVERSITY



(AACSB Accredited with B Grade)
SCHOOL OF CHEMICAL SCIENCES
SHANMUKHATHA THEERTHA CAMPUS
PAYYANUR, EDAPPALY P.O. - 670 327
KERALA, INDIA

Phone : 0497 - 2808402
Mobile : 0497 - 2808402

Ref No: _____

Date: 22/08/2023

CERTIFICATE

This is to certify that the project entitled "Fabrication of Flexible Titania nanotube and its Composites for Supercapacitor Applications" submitted to Kerala University in partial fulfillment of the requirements for the award of the Degree of Master of Science in Chemistry is a record of original work done by **Shamla. P. S (Reg. No: 63521128012)** at School of Chemical Sciences, Payyanur Campus, Kannur University under my supervision and guidance. The work presented in this dissertation has not been submitted for any other degree/diploma of this or any other University.

Place: Payyanur

Date: 22-08-2023

Dr. RAJU, K. V., M.Sc, Ph.D.
Assistant Professor, Department of Chemistry
Kannur University, Payyanur Campus
Edappal P. O., Kannur-670 327



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63521128013

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MAHATMA GANDHI UNIVERSITY Priyadarshi Hills P.O., Kottayam - 686 560, Kerala, India		Sl. 0481-2732120, 2732620 (04) Fax 0481-2732620 E-mail accessd@mgu.ac.in

CERTIFICATE

This is to certify that the project report entitled "NANOCELLULOSE-BASED BIOCHAR MEMBRANE FOR SELECTED TEXTILE DYE REMOVAL FROM AQUEOUS MEDIUM" is a bona fide record of the work done by Ms. Sradha R(Candidate code 63521128013), M.Sc. Chemistry, Sree Narayana College Chengannur, Alappuzha, under my guidance in the Advanced Centre of Environmental Studies and Sustainable Development (ACCESSD), Mahatma Gandhi University, Kottayam, from March to May 2023.

	
Dr. Shanthi Prabha V (Research guide) Research Scientist ACCESSD Mahatma Gandhi University Kottayam	Dr. A P Thomas Director ACCESSD Mahatma Gandhi University Kottayam

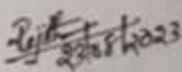




CERTIFICATE

This is to certify that the thesis report entitled "EXTRACTION, IDENTIFICATION AND DETERMINATION OF ANTIOXIDANT ACTIVITY FROM METHANOL EXTRACT OF LEAVES OF CATHARANTHUS ROSEUS- PERIWINKLE" has been carried out by SREELEKSHMI M S (63521128014) under my guidance and supervision at the Department of Chemistry, Amrita School of Arts & Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam - 690525, as part of the final term project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.

Amritapuri


Dr. Rejithamol R

Assistant Professor
Department of Chemistry
Department of Chemistry
Amrita Vishwa Vidyapeetham
Amritapuri Campus.

63521128015



ADVANCED MOLECULAR MATERIALS RESEARCH CENTRE (AMMRC)

MAHATMA GANDHI UNIVERSITY

Priyadarsini Hills P.O., Kottayam, Kerala, INDIA-686 560

www.ammrc.mgu.ac.in | ammrcmgu@gmail.com | ammrc@mgu.ac.in

CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND PHOTOPHYSICAL STUDIES OF LOW BAND GAP CONJUGATED POLYMERS" is an authentic record of project work carried out by Ms. SRUTHY S. Reg No.63521128015, Sree Narayana college, Chengannur under our combined supervision and guidance at Advanced Molecular Materials and Research Centre (AMMRC), Mahatma Gandhi University, Kottayam, during the period from 01/03/2023- 30/05/2023 in partial fulfilment for the requirements for the award of degree of Master of Science in Chemistry.

Kottayam

1/08/2023

Dr. Vineetha P. K.

(Project Supervisor)

Dr.S.Anas

(Co-Guide)

Honorary Director, AMMRC

63521128016



Dr. Saritha A
Associate Professor
Department of Chemistry

CERTIFICATE

This is to certify that the thesis report entitled "**FACILE EXTRACTION AND COMPARISON OF LIGNIN FROM COCONUT SHELL WITH MULTIPLE APPLICATIONS**" has been carried out by **VISMAYA VV (63521128016)** under my guidance and supervision at the Department of Chemistry, Amrita School of Arts & Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam - 690525, as part of the final term project work for her Master's Degree in Chemistry, is an authentic record of the work carried out by her, under my supervision during the period from March 2023 to April 2023 and no part of this report has formed the basis for the award of any degree, diploma or other similar titles of any University.

Amritapuri

Chairperson
Department of Chemistry
Amrita Vishwa Vidyapeetham
School of Arts & Sciences
Amritapuri Campus, Clappana P.O
Kollam - 690 525


Dr. Saritha A