



ST. THOMAS COLLEGE

Ranni, Pathanamthitta, Kerala – 689673

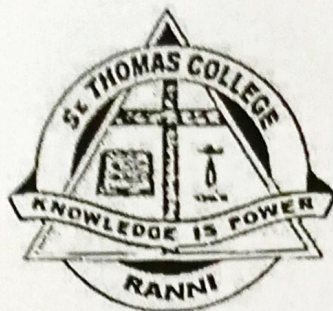
ACCREDITED BY NAAC WITH 'B' GRADE

1.3.2 : Students projects for the academic year 2021-22

Projects of M.Sc Chemistry

CRITERION : 1

CURRICULAR ASPECTS



BONAFIDE CERTIFICATE

This is to certify that the project report entitled **“INSILICO STUDIES TO DETERMINE PHYTOCHEMICAL ACTIVITY AGAINST RENAL CALCULI”** submitted by Ms. ANJALI J in partial fulfillment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by her at Sree Narayana College, Kollam under the supervision of Prof. **Dr. V L PUSHPA**





SREE NARAYANA COLLEGE, KOLLAM

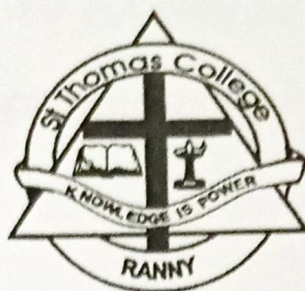
DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the work embodied in the project entitled **“INSILICO STUDIES TO DETERMINE PHYTOCHEMICAL ACTIVITY AGAINST RENAL CALCULI”** is an authentic record of the research work carried out by Ms. **ANJALI J** under my supervision and guidance in partial fulfillment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and further no part of this has been presented elsewhere for any other Degree.

KOLLAM

Dr. VL Pushpa
Professor & Head
Department of Chemistry
Sree Narayana College, Kollam

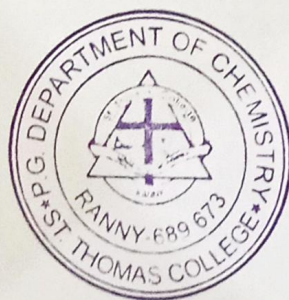


BONAFIDE CERTIFICATE

This is to certify that the project report entitled “**CHARACTERISATION AND QUANTIFICATION OF MAJOR BIO-CHEMICAL COMPONENTS OF MANGROVE FERN, *ACHROSTICHUM AUREUM***” submitted by Mr. ARJUN PANICKER in partial fulfillment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by him at under the supervision of Dr. Shaju S S.

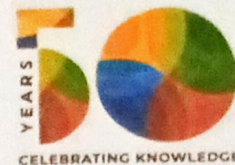
Dr. MATHEW KURUVILLA
ASST. PROFESSOR
CLASS COORDINATOR

Dr. ANSU JACOB
HEAD OF DEPT. OF CHEMISTRY





കൊച്ചി ശാസ്ത്ര സാങ്കേതിക സർവ്വകലാശാല
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF MARINE SCIENCES



DEPARTMENT OF CHEMICAL OCEANOGRAPHY

സമുദ്ര രസതന്ത്ര വിഭാഗം

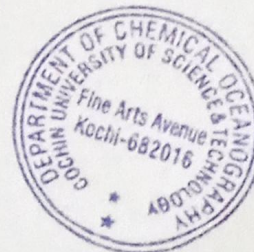
Dated: 28.09.2022

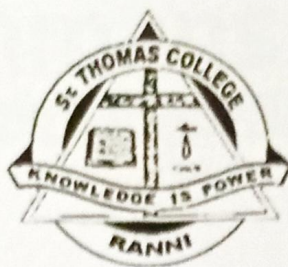
CERTIFICATE

This is to certify that the present dissertation work entitled "**Characterisation and Quantification of Major Biochemical Components Of Mangrove Fern, *Achrostichum aureum***" submitted to **Mahatma Gandhi University, Kottayam** in partial fulfilment of the requirement for the degree of **Master of Science in Chemistry** is a bonafide project work done by **Mr. Arjun Panicker (Reg No:200011011439)** at **Department of Chemical Oceanography (COD), Cochin University of Science and Technology (CUSAT)** from **May 2022 to July 2022** under the guidance of

Dr. Ragi A S
Co-Guide
Post Doctoral Fellow
Department of Chemical Oceanography,
School of Marine Science
Cochin University of Science and
Technology (CUSAT)
Kochi 682016

Dr. Shaju S. S
Supervising Guide
Head of the Department
Department of Chemical Oceanography
School of Marine Science
Cochin University of Science and
Technology (CUSAT)
Kochi 682016





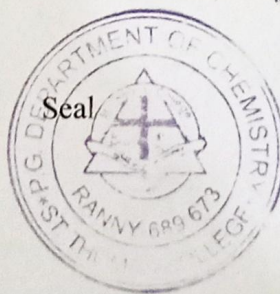
CERTIFICATE

This is to certify that **CHRISTY ANNA PAUL** (REG. NO:200011011440) has satisfactorily completed her project titled, " **THE EFFECT OF DOPING ON ANTHRACENE FAMILY FOR DYE-SENSITIZED SOLAR CELLS** " as a part of partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE** from Department Of **CHEMISTRY** St, Thomas College Ranni, affiliated to Mahatma Gandhi University Kottayam, Kerala.

Project Co-ordinator

Guide

Head Of the Department





St Berchmans College

AUTONOMOUS

College with Potential for Excellence | Reaccredited by NAAC with A Grade

Affiliated to Mahatma Gandhi University, Kottayam, Kerala

DEPARTMENT OF CHEMISTRY

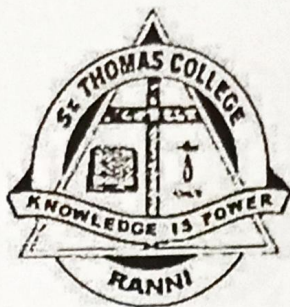
CERTIFICATE

This is to certify that Ms. **Christy Anna Paul** has satisfactorily completed her PROJECT titled, "**EFFECT OF DOPING ON ANTHRACENE FAMILY FOR DYE SENSITIZED SOLAR CELLS**" under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of MASTER of SCIENCE in CHEMISTRY from St. Berchmans College Changanassery, affiliated to Mahatma Gandhi University Kottayam.

Aravind K

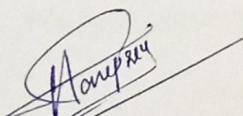
Assistant Professor

Guide



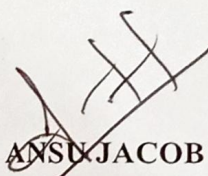
BONAFIDE CERTIFICATE

This is to certify that the project report entitled “PHYTOCHEMICAL REMEDIATION OF POPULAR NSAIDS TOWARDS COX-2 INHIBITION BY INSILICO MEANS” submitted by Ms. DHANYA GEORGE in partial fulfilment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by her at Sree Narayana College, Kollam under the supervision of Professor. Dr. V. L PUSHPA.


HARIPRIYA V

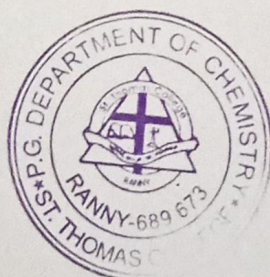
ASST.PROFESSOR

ST.THOMAS COLLEGE, RANNI


Dr. ANSU JACOB

HEAD OF DEPARMENT, CHEMISTRY

ST.THOMAS COLLEGE,RANNI





SREE NARAYANA COLLEGE, KOLLAM

DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the work embodied in the project entitled **“PHYTOCHEMICAL REMEDIATION OF POPULAR NSAIDS TOWARDS COX-2 INHIBITION BY INSILICO MEANS”** is an authentic record of the research work carried out by Ms. **DHANYA GEORGE** under my supervision and guidance in partial fulfilment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and further no part of this has been presented elsewhere for any other Degree.

KOLLAM

Dr. V L Pushpa

Professor & Head

Department of Chemistry

Sree Narayana College, Kollam

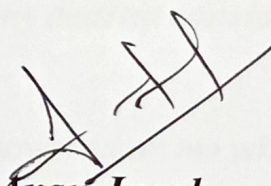
BONAFIDE CERTIFICATE

**(Post Graduate Department of Chemistry, St. Thomas
College, Ranni)**

This is to certify that the dissertation entitled
**UNPRECEDENTED VISCOUS PHASE AND GEL PHASE
FORMATION IN CARDANOL AZODYE AMPHIPHILES**
is an authentic record of the research work carried out by
Ms. Haripriya K.R *under my supervision and guidance in partial*
fulfilment of the requirements for the Degree of Master of Science
in Post Graduate Department of Chemistry, St. Thomas
College, Ranni.



Prof. Chinju Jacob
Supervising Teacher



Dr. Ansu Jacob
Head of the Post Graduate Department of
Chemistry, St. Thomas College, Ranni

Evaluated the Project:

Signature of the Examiner:

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY



NIRMALA COLLEGE
Muvattupuzha, Ernakulam (Dist)
Kerala, Pin: 686661

Date: 26-09-2022

CERTIFICATE

This is to certify that **Ms. Haripriya K. R** has carried out the project entitled
**“UNPRECEDENTED VISCOUS PHASE AND GEL PHASE FORMATION IN
CARDANOL AZODYE AMPHIPHILES”** at Post Graduate and Research Department of
Chemistry, Nirmala College, Muvattupuzha under my supervision for the partial fulfillment
of the degree of Master of Science in Chemistry.

Muvattupuzha

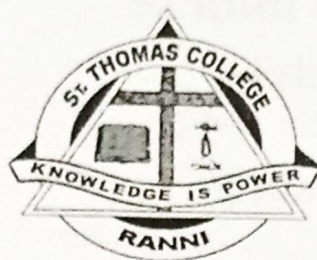


Dr. JYOTHISH KUTHANAPILLIL

Assistant Professor,

Post Graduate and Research Dept of Chemistry,

Nirmala College, Muvattupuzha



BONAFIDE CERTIFICATE

This is to certify that the project report entitled "*Effect of graphene oxide on the rheological properties of rubber toughened epoxy systems*" submitted by Ms. JOSMY PAUL in partial fulfilment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by her at Mahatma Gandhi University, Kottayam under the supervision of Prof. Dr. Sabu Thomas, Mahatma Gandhi University, Kottayam, Kerala, India

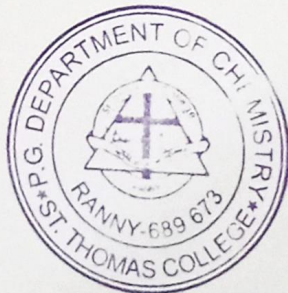
Dr. MATHEW KURUVILLA

ASST. PROFESSOR

CLASS COORDINATOR

Dr. ANSU JACOB

HEAD OF DEPT. OF CHEMISTRY





School of Energy Materials

Mahatma Gandhi University

Priyadarshini Hills

Kottayam-686 560, Kerala, India

Telephone: 91-9447223452 (Mobile)

E-mail: sabuthomas@mgu.ac.in

Prof. Dr. SABU THOMAS PhD, FRSC

Director, School of Energy Materials

Ref: MGU/SEM/PROJECT STUDENTS/2022/CERT-15

CERTIFICATE

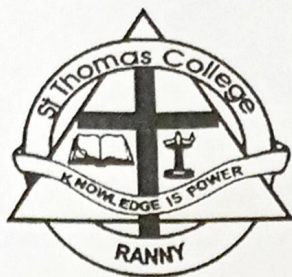
This is to certify that the project entitled “ ***EFFECT OF GRAPHENE OXIDE ON THE RHEOLOGICAL PROPERTIES OF RUBBER TOUGHENED EPOXY SYSTEM***” is an authentic record of the work carried out by Ms. JOSMY PAUL (Reg. No. 200011011443), St. Thomas College Ranni (Affiliated to Mahatma Gandhi University, Kottayam) under my guidance and supervision at the School of Energy Materials, Mahatma Gandhi University, Kottayam, Kerala in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam.

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

Prof. Dr. Sabu Thomas

Kottayam,

28.09.2022



BONAFIDE CERTIFICATE

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERISATION OF GRAPHENE OXIDE AND DIFFUSION STUDIES OF MWCNT-SILICONE RUBBER NANOCOMPOSITE" submitted by Mr. KARTHIKAYAN B in partial fulfillment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by him at under the supervision of Dr. SABU THOMAS.

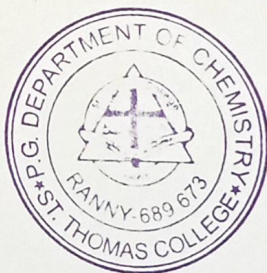
Dr. MATHEW KURUVILLA

ASST. PROFESSOR

CLASS COORDINATOR

Dr. ANSU JACOB

HEAD OF DEPT.OF CHEMISTRY





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481-2730003 (Office)
E-mail:sabuthomas@mgu.ac.in

Prof. Dr. SABU THOMAS PhD, FRSC
Director, School of Energy Materials

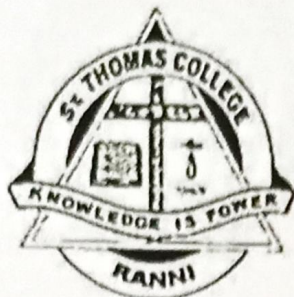
Ref: MGU/SEM/PROJECT STUDENTS/2022/CERT-14

CERTIFICATE

This is to certify that the project entitled **"PREPARATION AND CHARACTERIZATION OF GRAPHENE OXIDE AND DIFFUSION STUDIES OF MWCNT-SILICONE RUBBER NANOCOMPOSITE"** is an authentic record of the work carried out by **Mr. KARTHIKAYAN B (Reg. No.200011011444)**; St Thomas College, Ranni, Pathanamthitta under my guidance and supervision at the School of Energy Materials, Mahatma Gandhi University, Kottayam, Kerala in partial fulfilment of the requirements for the award of the degree of master of science in chemistry from Mahatma Gandhi University, Kerala.

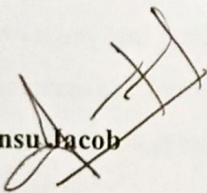
Sabu Thomas

Kottayam
24/09/2022



BONAFIDE CERTIFICATE

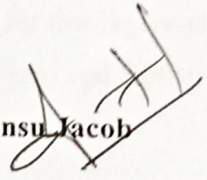
This is to certify that the project report entitled "IDENTIFICATION OF ACTIVE CURCUMIN COMPOUNDS AGAINST PROSTATE CANCER" submitted by Ms. MARIYA JAMES in partial fulfillment for the award of Degree of Master of Science in Chemistry of Mahatma Gandhi University is a record of bonafide work carried out by her at Sree Narayana College, Kollam under the supervision of Professor Dr. V L PUSHPA.


Dr. Ansu Jacob

Professor & Head

Department of Chemistry

St. Thomas College, Ranni


Dr. Ansu Jacob

Professor & Head

Department of Chemistry

St. Thomas College, Ranni



SREE NARAYANA COLLEGE, KOLLAM

DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the work embodied in the project entitled "**IDENTIFICATION OF ACTIVE CURCUMIN COMPOUNDS AGAINST PROSTATE CANCER**" is an authentic record of the research work carried out by Ms. MARIYA JAMES under my supervision and guidance in partial fulfilment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and further no part of this has been presented elsewhere for any other Degree.

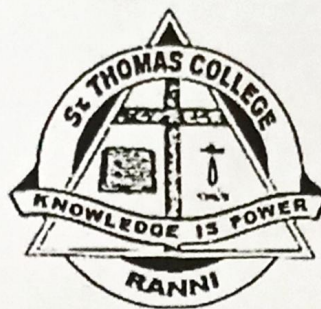
KOLLAM

Dr. V L Pushpa

Professor & Head

Department of Chemistry

Sree Narayana College, Kollam



BONAFIDE CERTIFICATE

This is to certify that the project entitled "AN INVESTIGATION ON THE COMBINED TARGETING OF ANDROGEN RECEPTOR AND VITAMIN D RECEPTOR FOR KIDNEY STONE BY IN SILICO MEANS" submitted by Ms. NIVITHA PAUL M P (Reg: 2000110011446) in partial fulfilment for the award of degree of master of science in chemistry of mahatma Gandhi university is a record of bonafide work carried out by her at Sree Narayana College, Kollam, under the supervision of Professor. Dr. V.L Pushpa.

BINCY FRANCIS

Asst. Professor,

Department of Chemistry

St. Thomas College, Ranni

Dr. ANZU JACOB

Head of the Department,

Department of Chemistry

St. Thomas College, Ranni



DEPARTMENT OF CHEMISTRY

SREE NARAYANA COLLEGE, KOLLAM

CERTIFICATE

This is to certify that work embodied in the project entitled **“AN INVESTIGATION ON THE COMBINED TARGETING OF ANDROGEN RECEPTOR AND VITAMIN D RECEPTOR FOR KIDNEY STONE BY IN SILICO MEANS”** is an authentic record of the research work carried out by Ms. NIVITHA PAUL M P under my supervision and guidance in partial fulfilment of the requirements for the degree of master of science in chemistry from Mahatma Gandhi University, Kottayam and further no part of this has been present elsewhere for any other degree.

Dr. V L Pushpa

Professor & Head of the Department

Department of Chemistry,

Sree Narayana College, Kollam.



BONAFIDE CERTIFICATE

This is to certify that PRISCILLA JOHN, Department of chemistry, St. Thomas college Ranni, Kerala has worked on “*PREPARATION AND CHARACTERISATION OF MABS/h-BN NANOCOMPOSITES*” under the supervision of Prof Sabu Thomas, Director. School of Energy and Materials, Mahatma Gandhi University, KOTTAYAM in partial fulfillment of the requirements of the Degree of Master of Science in Chemistry, Mahatma Gandhi University.

Dr. RINTU MATHEW

ASST PROFESSOR

CLASS COORDINATOR

Dr. ANSU JACOB

HEAD OF THE DEPARTMENT CHEMISTRY

St. THOMAS COLLEGE, RANNI



School of Energy Materials

Mahatma Gandhi University

Priyadarshini Hills

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Telephone: 91-9447223452 (Mobile)

E-mail: sabuthomas@mgu.ac.in

Prof. Dr. SABU THOMAS PhD, FRSC

Director, School of Energy Materials

Ref: MGU/SEM/PROJECT STUDENTS/2022/CERT-16

CERTIFICATE

This is to certify that the project entitled “**PREPARATION AND CHARACTERISATION OF *h*-BN/MABS NANOCOMPOSITES**” authentic record of the work carried out by **Ms. PRISCILLA JOHN** (Reg. No. 200011011447), St. Thomas College Ranni (Affiliated to Mahatma Gandhi University, Kottayam) under my guidance and supervision at the School of Energy Materials, Mahatma Gandhi University, Kottayam, Kerala in partial fulfilment of the requirements for the award of the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam.

Prof. Dr. Sabu Thomas

Kottayam,

28.09.2022