

**A STUDY OF MECHANICAL PROPERTIES OF
ZINC OXIDE – NATURAL RUBBER
NANOCOMPOSITES**

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

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

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

AJAY GOPINATH

Reg. No:200011011836

Under the guidance of

Dr.SANDHYA P. K

Assistant Professor(on contract)



DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE

KALADY

2020-2022

valued

Remudivi.P.R

SYLAJA DEVI.P

Remud
29/9/22

54
29/9/22

**POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY**



CERTIFICATE

This is to certify that the project entitled "A STUDY OF MECHANICAL PROPERTIES OF NATURAL RUBBER- ZINC OXIDE NANOCOMPOSITES" is a bonafide work done by Mr. AJAY GOPINATH, Reg No: 200011011836, in the partial fulfilment of the requirement for the award of Degree of Master of Science in Applied Chemistry under the guidance of Dr. SANDHYA P K, Assistant Professor (on contract) Department of Chemistry, Sree Sankara College, Kalady.

Forwarded by,

for gopinath

Dr. SEENA K THOMAS

**Head of the Department
Department of Chemistry
Sree Sankara College, Kalady**

Sandhya

Dr. SANDHYA P K
Assistant Professor (on contract)
Sree Sankara College, Kalady



Project on

**AGEING STUDIES OF PHENOL FORMALDEHYDE
RESIN REINFORCED BY NANOSILICA IN TEXTILE
COMPOSITES**

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirement for the award of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

AJINIYAMOL IBRAHIM

Reg No: 200011011837

Under the guidance of

Dr. SREEKALA M.S.

Assistant professor



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

2020-2022

Valued *Remadevi.PK* *General*
29/9/22

Sylaja Devi P *AS*
29/11/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY



CERTIFICATE

This is to certify that the dissertation entitled “AGEING STUDIES OF PHENOL FORMALDEHYDE RESIN REINFORCED BY NANOSILICA IN TEXTILE COMPOSITES” is a record of original work done by **Ms. AJINIYAMOL IBRAHIM, Reg No: 200011011837**, in the partial fulfillment of the requirement for the award of degree of **MASTER OF SCIENCE IN APPLIED CHEMISTRY** under the guidance of **Dr. SREEKALA M.S**, Assistant professor, Department of Chemistry, Sree Sankara College, Kalady.

Forwaded by,

Dr. SEENA K THOMAS

Head of the Department

Department of Chemistry

Sree Sankara College, Kalady

Dr. SREEKALA M.S.

Assistant Professor

Sree Sankara College, Kalady



Place: Kalady

Date: 23/09/2022

A STUDY OF MECHANICAL PROPERTIES OF TITANIUM DIOXIDE – NATURAL RUBBER NANOCOMPOSITES

A dissertation submitted to Mahatma Gandhi University
In partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

ANUJA RAJAN

Reg No:200011011838

Under the Guidance of

Prof. Dr. SANDHYA P.K

Assistant professor (on contract)



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY PIN 683574

2020-2022

Valued

Remuniv. P.R

SYLAJA DEVI.P

Remuniv. P.R
29/9/22
304
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

(Affiliated to Mahatma Gandhi University, Kottayom)



CERTIFICATE

This is to certify that the project entitled "**A STUDY OF MECHANICAL PROPERTIES OF NATURAL RUBBER- GRAPHENE OXIDE NANOCOMPOSITES**" is a bonafied Work done by **Ms. ANUJA RAJAN, Reg No: 200011011838**, in the partial fulfillment of the requirement for the award of Degree of Master of Science in Applied Chemistry under the guidance of **Dr. SANDHYA P K**, Assistant Professor (on contract) Department of Chemistry, Sree Sankara College, Kalady.

Forwarded by,

Seena K Thomas
Dr. Seena K Thomas
Head of the department
Department of chemistry
Sree Sankara College, Kalady



Sandhya P K
Dr. Sandhya p k
(Project Guide)
Assistant Professor, (on contract)
Sree Sankara College, Kalady

“EFFECT OF MODIFICATIONS ON THE MECHANICAL PROPERTIES OF STARCH FILMS”

Submitted to

MAHATHMA GANDHI UNIVERSITY , KOTTAYAM

in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

ARCHANA SURENDRAN

Reg No:200011011839

Under guidance of

Dr. SREEKALA M.S

Asst. professor



POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE, KALADY

2020-2022

valued

Remadevi. P.R

Remadevi
29/9/22

SYLAKSA DEVI-P

SS
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY



CERTIFICATE

This is to certify that the project entitled "EFFECT OF MODIFICATIONS ON THE MECHANICAL PROPERTIES OF STARCH FILMS" is a bonafied project work done by Ms. ARCHANA SURENDRAN, Reg.No.200011011839, in the partial fulfillment of the requirement for the award of MASTER OF SCIENCE IN APPLIED CHEMISTRY under the guidance of Dr. SREEKALA M.S, Assitant professor , DEPARTMENT OF CHEMISTRY ,Sree Sankara College , Kalady.

Forwarded by,

for 20th

Dr. SEENA K THOMAS

Head of the Department

Department of Chemistry

Sree Sankara College Kalady

Sreekala

Dr. SREEKALA M S

Assistant Professor

Department of Chemistry

Sree Sankara College, Kalady

Place: Kalady

Date: 23/09/2022



**EFFECT OF ACETIC ACID ON THE PROPERTY IMPROVEMENTS
OF STARCH FILMS**

A Project Work Submitted to

THE MAHATMA GANDHI UNIVERSITY

In partial fulfilment of the requirements for the degree of

MASTER OF SCIENCE IN APPLIED

by

DEVIKA N S

Reg.no. 200011011840



**DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY
ERNAKULAM, KERALA
2020-2022**

DEPARTMENT OF CHEMISTRY

1

Ugland

Renudivi.P.R

SULAJA DEVI.P

Renudivi.P.R
5/19/22

Sulaja Devi.P
29/9/22

SREE SANKARA COLLEGE, KALADY - 2022



CERTIFICATE

This is to certify that the project entitled "EFFECT OF ACETIC ACID ON THE PROPERTY IMPROVEMENTS OF STARCH FILM" is an authentic record work carried out by Miss. DEVIKA N S with Reg.no. 200011011840 during the academic year 2020-2022. She completed this work under our guidance of Dr.SREEKALA M S, Assistant professor, Department of Chemistry, Sree Sankara College, Kalady and no part of this has been presented before for any other degree.

Place: Kalady

Date: 23.09.2022

Dr. SREEKALA M S

Assistant Professor

Sree Sankara College, Kalady



“FABRICATION OF STARCH FILMS USING CLOVE OIL”

A Project Report

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfilment for the award of the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted By

HARISHMA K H

(Reg.no:200011011841)

Under guidance of

Dr. SREEKALA M S

Asst. professor



**POSTGRADUATE AND REASEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

2020-2022

valued

Remuchilvi.P.R

SYLHJA DEVI P

Remuchilvi
29/9/22
546
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY
SREE SANKARA COLLEGE, KALADY**



CERTIFICATE

This is to certify that the project entitled "FABRICATION OF STARCH FILMS USING CLOVE OIL" is a bonafide work carried out by Miss. HARISHMA K H (Reg. No:200011011841) of M.Sc. Applied chemistry at Sree sankara college, Kalady, affiliated to Mahatma Gandhi University, Kottayam during year 2020-2022, in partial fulfilment of the requirement for the award of the degree of master of science in applied chemistry under my supervision and no part of this has been presented by her for any other degree.

Forwarded by,

See Thomas
Dr. Seena K Thomas

Head of the department

Sree Sankara College, Kalady

Sreekala

Dr. Sreekala M S

Assistant Professor

Sree Sankara College, Kalady



Place: Kalady

Date:

**SYNTHESIS AND CHARACTERIZATION OF IRON
NANOPARTICLES AND STUDY ON THE AQUATIC TOXICITY
TO GREEN MICROALGAE CHLORELLA VULGARIS**

Submitted to the Mahatma Gandhi University in partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by,

INDUKALA PM

Reg No:200011011842



POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY, PIN- 683574

Under the Guidance of

Dr. JESITHA.K

Assistant Professor

Research and postgraduate department of chemistry

SREE SANKARA COLLEGE

KALADY -683574

MONTH 2022

Valued Remadevi. P.R. [Signature]
29/9/22

Sylasa Devi. P. [Signature]
29/9/22

CERTIFICATE

This is to certify that the project report entitled "**Synthesis and characterization of iron nanoparticles and study on the aquatic toxicity to green microalgae chlorella vulgaris**" is the bonafied project work done by **Ms. INDUKALA PM** MSc. APPLIED CHEMISTRY STUDENT (Reg No :200011011842), Department of Chemistry, SREE SANKARA COLLEGE, KALADY under the guidance of **Dr. JESITHA K**, Assistant Professor, SREE SANKARA COLLEGE, KALADY PIN:683574. The work was carried out as part of the partial fulfilment of the requirement for the award of the degree of Master of Chemistry from Mahatma Gandhi University, Kottayam.


DR. JESITHA.K

Assistant Professor

Research and postgraduate
department of chemistry

SREE SANKARA COLLEGE, KALADY

Place: Kalady

Date: 12/9/2022



**“SYNTHESIS AND CHARACTERIZATION OF IRON
NANOPARTICLES AND ITS ENTRAPMENT IN CALCIUM
ALGINATE BEADS FOR WATER PURIFICATION
APPLICATIONS”**

A dissertation submitted to

MAHATMA GANDHI UNIVERSITY

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

MASTER OF SCIENCE IN APPLIED CHEMISTRY

By

JESLY JOSHY

(Reg No:200011011843)

Under the guidance of

Dr. JESITHA.K

Assistant Professor



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY, PIN- 683574

2022

valued

Remadevi-P-R *Remadevi*
29/9/22

SYLAKSA DEVI.P *SYLAKSA*
29/9/22

CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF IRON NANOPARTICLES AND ITS ENTRAPMENT IN CALCIUM ALGINATE BEADS FOR WATER PURIFICATION APPLICATIONS" submitted to Mahatma Gandhi University in the partial fulfilment of the requirements for the award of the degree of **MASTER OF SCIENCE IN APPLIED CHEMISTRY** is a record of original work done by **Jesly Joshy (Reg no: 200011011843)** under the guidance of **Dr. Jesitha K**, Assistant Professor, Sree Sankara College, Kalady, during the year 2022.

for [Signature]

Forwarded by,

Dr. SEENA K. THOMAS

Head of the Department

Sree Sankara College, Kalady

[Signature]
Project Guide

Dr. JESITHA.K

Assistant Professor

Sree Sankara College, Kalady



**SYNTHESIS AND CHARACTERISATION OF
SILVER NANOPARTICLES AND
DEVELOPMENT OF A WATER PURIFICATION
SYSTEM FOR REMEDIATION OF BACTERIA**

Submitted to

MAHATMA GANDHI UNIVERSITY

In partial fulfilment of the requirement for the award of the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by,

JESTO MATHEW

Reg No: 200011011844

Under the guidance of

Dr. JESITHA K

Asst. Professor

Sree Sankara College, Kalady



**POSTGRADUATE AND RESEARCH DEPARTMENT
OF CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

2020 - 2022

*Valued Remedy: B.P
Remedy
29/9/22*

*SYLASA DEVI.P 547
29/9/22*

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE

This is to certify that the project entitled **“SYNTHESIS AND CHARACTERISATION OF SILVER NANOPARTICLES AND DEVELOPMENT OF A WATER PURIFICATION SYSTEM FOR REMEDIATION OF BACTERIA”** is a bonafied project work done by **Mr.JESTO MATHEW, Reg. No.200011011844**, in the partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN APPLIED CHEMISTRY** under the guidance of **Dr.JESITHA K**, Assistant Professor, Department of Chemistry, Sree Sankara College, Kalady.

for Cf

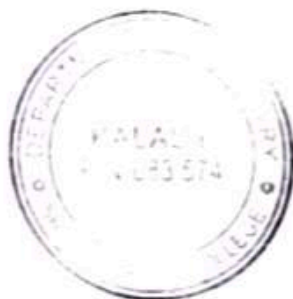
Forwarded by,

Dr Seena K Thomas

Head of the Department

Department of Chemistry

Sree Sankara College, Kalady



gathya

Project guide,

Dr JESITHA K

Assistant Professor

Sree Sankara College, Kalady

**“SYNTHESIS OF SILVER NANOPARTICLES AND
DEVELOPMENT OF SILVER NANOPARTICLE
ENTRAPPED MEMBRANE AND STUDY OF
ANTIBACTERIAL PROPERTY”**

Project Report Submitted to
MAHATMA GANDHI UNIVERSITY

in partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by
KEERTHY SUNI
Reg No.200011011845

Under guidance of
Dr.JESITHA K
Asst. Professor



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

**SREE SANKARA COLLEGE, KALADY
2022**

Valued

Remadivi.P.R

SYLAJA DEVI.P

Remadivi
29/9/22

SU
29/9/22

CERTIFICATE

This is to certify that the project entitled "SYNTHESIS OF SILVER NANOPARTICLE AND DEVELOPMENT OF SILVER NANOPARTICLE ENTRAPPED MEMBRANE AND STUDY OF ANTIBACTERIAL PROPERTY" is a bonafied project work done by **Ms. KEERTHY SUNI, Reg. No.200011011845**, in the partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN APPLIED CHEMISTRY** under the guidance of **Dr. JESITHA K**, Assistant Professor, Department of Chemistry, Sree Sankara College, Kalady.

for GJ

Forwarded by,

Dr. Seena K.Thomas

Head of the Department

Sree Sankara College, Kalady

gath.

Project guide,

Dr JESITHA K

Assistant Professor

Sree Sankara College, Kalady



MODIFICATION OF NANOCELLULOSE WHISKERS WITH RESORCINOL AND HEXAMETHYLENE TETRAMINE AND ITS PROPERTY EVALUATION

Submitted to

MAHATMA GANDHI UNIVERSITY

In partial fulfillment of the requirement for the award of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

KRISHNA PRIYA N B

Reg. No: 200011011846

Under the guidance of

Dr. SEENA K. THOMAS

Assistant professor

Research and Postgraduate Department of Chemistry



SREE SANKARA COLLEGE, KALADY

SEPTEMBER 2022

Valued
1 Remudivi.P.R
SYLAJA DEVI.P
Remud
29/9/22
S.S.
29/9/22

**RESEARCH AND POSTGRADUATE DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE

This is to certify that the dissertation entitled "**MODIFICATION OF NANOCELLULOSE WHISKERS WITH RESORCINOL AND HEXAMETHYLENE TETRAMINE AND ITS PROPERTY EVALUATION**" is a record of original work done by **KRISHNA PRIYA N B**, **Reg.No: 200011011846**, in the partial fulfillment of the requirement for the award of degree of Master of Science in Applied chemistry under the guidance of **Dr. SEENA K THOMAS**, Assistant professor, Research and Postgraduate Department of Chemistry, Sree Sankara College, Kalady. It is further certified that this dissertation or any part of this thesis has not been submitted elsewhere for any other degree.

Place : Kalady

Date : 16/09/22




Dr. SEENA K THOMAS

Assistant Professor

Research and postgraduate

Department of Chemistry

Sree Sankara College, Kalady

**MORPHOLOGICAL AND THERMAL PROPERTY
ANALYSIS OF SODIUM ISOPROPYL XANTHATE
MODIFIED NANO CELLULOSE WHISKERS**

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

In partial fulfillment of the requirement for the award of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

PRAVISHA V P

Reg. No. 200011011847

Under the guidance of

Dr. SEENA K THOMAS

Assistant professor

Research and post graduate

Department of Chemistry



SREE SANKARA COLLEGE, KALADY

2022

valued

Remedhi V. P. R.

Remedhi
29/9/22

SYLASHA DEVI P

SV
29/9/22

**RESEARCH AND POST GRADUATE DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE

This is to certify that the dissertation entitled "**MORPHOLOGICAL AND THERMAL PROPERTY ANALYSIS OF SODIUM ISOPROPYL XANTHATE MODIFIED NANO CELLULOSE WHISKERS**" is a record of original work done by **PRAVISHA V P, Reg. No. 200011011847**, in the partial fulfillment of the requirement for the award of degree of Master of Science in Applied Chemistry under the guidance of **Dr. SEENA K THOMAS**, Assistant professor, Department of Chemistry, Sree Sankara College, Kalady. It is further certified that this dissertation or any part of this thesis has not been submitted elsewhere for any other degree.

Place: Kalady

Date: 16/09/2022



Dr. SEENA K THOMAS

Assistant Professor

Research and Postgraduate

Department of Chemistry

Sree Sankara College, Kalady

PROJECT ON
"WATER SORPTION OF PHENOL
FORMALDEHYDE/CELLULOSE TEXTILE COMPOSITES"

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

SANDRA SUDHAN

Reg No: 200011011848

Under guidance of

Dr. SREEKALA M.S

Asst. professor



POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE, KALADY 2022

valued

1 Remadivi.P.R. Remadivi
SYLAJA DEVI.P 29/9/22
SUL 29/9/22

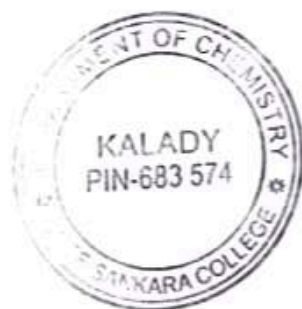
**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY



CERTIFICATE

This is to certify that the project entitled "WATER SORPTION OF PHENOL FORMALDEHYDE/CELLULOSE TEXTILE COMPOSITE" is a bonafide project work done by **Ms. SANDRA SUDHAN, Reg.No. 200011011848**, in the partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN APPLIED CHEMISTRY** under the guidance of **Dr. SREEKALA M.S**, Assistant professor, DEPARTMENT OF CHEMISTRY, Sree Sankara College, kalady.



Dr Sreekala M S
Assistant professor
Sree Sankara College, Kalady

Place: **Kalady**
Date: 6-04-2022

**A STUDY OF MECHANICAL PROPERTIES OF NATURAL
RUBBER- GRAPHENE OXIDE NANOCOMPOSITES**

Submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

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

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

SHAIN MARTIN

(Registration No: 200011011849)

Under the guidance of

Dr. SANDHYA P K

Assistant Professor(on contract)

Sree Sankara College, Kalady



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

2020 - 2022

valued
Reminded by P.K.
29/9/22
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

(Affiliated to Mahatma Gandhi University, Kottayam)



CERTIFICATE

This is to certify that the project entitled "A STUDY OF MECHANICAL PROPERTIES OF NATURAL RUBBER- GRAPHENE OXIDE NANOCOMPOSITES" is a bonafied Work done by Mr. SHAIN MARTIN, Reg No: 200011011849, in the partial fulfillment of the requirement for the award of Degree of Master of Science in Applied Chemistry under the guidance of Dr. SANDHYA P K, Assistant Professor (on contract) Department of Chemistry, Sree Sankara College, Kalady.

Sandhya

Forwarded by,

SKT
Dr. SEENA K THOMAS

Head of the Department
Department of Chemistry
Sree Sankara College, Kalady



Dr. SANDHYA P K

Assistant Professor (on contract)
Sree Sankara College, Kalady

**GREEN SYNTHESIS, CHARACTERIZATION AND
ANTIBACTERIAL STUDY OF ZINC OXIDE
NANOPARTICLES FROM AZADIRACHTA INDICA
(NEEM) LEAF EXTRACT**

Submitted to
MAHATMA GANDHI UNIVERSITY

In partial fulfilment of the requirement for the award of the degree of
MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by,
SHOJIN P JOSHI
REGISTER NUMBER: 200011011850

Under the guidance of
Dr. SANDHYA P K
Assistant Professor (on contract)
Sree Sankara College, Kalady



**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY

2022

1

valued

Remedhi P.R

SYLAJA DEVI P

Supadr
29/9/22
SU
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE, KALADY



CERTIFICATE

This is to certify that the project entitled "GREEN SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL STUDY OF ZINC OXIDE NANOPARTICLES FROM AZADIRACHTA INDICA (NEEM) LEAF EXTRACT" is a bonafide project work done by Mr SHOJIN P JOSHI, Reg. No: 200011011850, in the partial fulfilment of the requirement for the award of the degree of MASTER OF SCIENCE IN APPLIED CHEMISTRY under the guidance of Dr. SANDHYA P K, Assistant Professor (on contract) Department of Chemistry, Sree Sankara College, Kalady.

Forwarded By:

Seena K Thomas
Dr. SEENA K THOMAS

Head of the Department

Department of Chemistry

Sree Sankara College Kalady

Sandhya P K

Dr. SANDHYA P K

Assistant Professor (on contract)

Department of Chemistry

Sree Sankara College Kalady



SYNTHESIS OF GRAPHENE OXIDE AND REDUCTION USING GREEN ALTERNATIVES

A dissertation submitted to

Mahatma Gandhi University

In partial fulfilment of the requirement for the award of degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

SREEJAYA CHANDRAN

Reg.200011011851

Under the guidance of

Prof. Dr. SANDHYA P.K

Assistant professor (on contract basis)

Department of chemistry



DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE

KALADY-683574

2022

Valued

Remudivi. P.R

SUREJA DEVI.P

Suma
29/9/22
504
29/9/22

POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY-683574



CERTIFICATE

This is to certify that the dissertation entitled “**SYNTHESIS OF GRAPHENE OXIDE AND REDUTION USING GREEN ALTERNATIVES**” is a record of original work done independently by **SREEJAYA CHANDRAN Reg.No:200011011851**, in the partial fulfilment of the requirements for the award of degree of Master of Science in applied chemistry under the guidance of **Dr. SANDHYA P.K, Assistant Professor, (on contract basis), Department of Chemistry, Sree Sankara College, Kalady**. It is further certified that this dissertation or any part thereof has not been submitted elsewhere for any other degree.

Dr. SEENA K THOMAS
Head of the department
Department of chemistry
Sree Sankara college, Kalady

Dr.SANDHYA P.K
project guide
Sree Sankara college, Kalady



**GREEN SYNTHESIS OF SILVER NANOPARTICLES
USING *Impatiens balsamina* LEAF EXTRACT & IT'S
APPLICATION IN TEXTILE**

Dissertation submitted to

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

in partial fulfillment for the award of the Degree of

MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by

SREYA BALJU

(Reg. No.200011011852)

Under the Guidance of

Dr. JESITHA K

Assistant Professor



POST GRADUATE DEPARTMENT OF APPLIED CHEMISTRY

SREE SANKARA COLLEGE, KALADY

PIN:683574

SEPTEMBER 2022 *valued*

Remudhi. P. R.
SYLASEA DEVI.P
Remudhi
SV
29/9/22
29/9/22

CERTIFICATE

This is to certify that the project report entitled “Green synthesis of Silver Nanoparticles using *Impatiens balsamina* leaf extract & its application in textile” is the bonafied project work done by Ms.SREYA BAIJU, MSc. Applied Chemistry student (Reg. No.200011011852), Sree Sankara College, Kalady under the guidance of Dr. JESITHA K , Assistant Professor, Sree Sankara College ,Kalady . The work was carried out as part of the partial fulfillment of the requirement for the award of the degree of Master of Chemistry from Mahatma Gandhi University, Kottayam.



Dr . JESITHA K

Assistant Professor

Sree Sankara College, Kalady

Kalady

16/09/2022



Project on
**SYNTHESIS AND MOLECULAR DOCKING STUDIES OF
CHALCONES**

Submitted to
MAHATMA GANDHI UNIVERSITY
In partial fulfilment of the requirement for the award of
MASTER OF SCIENCE IN APPLIED CHEMISTRY

Submitted by
VIDYA VINOD
Reg No: 200011011853
Under the guidance of
Dr. AMRUTHA U
Assistant professor (on contract)
Department of Chemistry



POST GRADUATE DEPARTMENT OF APPLIED CHEMISTRY
SREE SANKARA COLLEGE, KALADY
PIN: 683574
2020-2022

1 Valued
Remadhvi.P.R. Remadhvi
29/9/22
SYLAKSA DEVI.P. Sylak
29/9/22

**POSTGRADUATE AND RESEARCH DEPARTMENT OF
CHEMISTRY**

SREE SANKARA COLLEGE KALADY

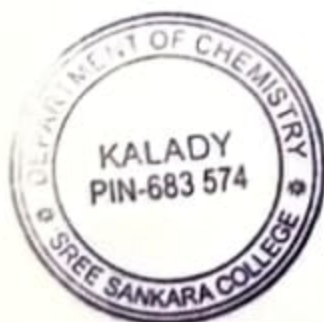


CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND MOLECULAR DOCKING STUDIES OF CHALCONES" is a record of original work done by VIDYA VINOD, Reg No: 200011011853, in the partial fulfilment of the requirement for the award of degree of MASTER OF APPLIED CHEMISTRY under the guidance of Dr. AMRUTHA U, Assistant Professor (on contract), Department of Chemistry, Sree Sankara College, Kalady. It is further certified that this dissertation or any part of this thesis has not been submitted elsewhere for any other degree.

Place: Kalady

Date: 16/9/2022



Smt. Dr. AMRUTHA U
Assistant Professor (on contract)
Sree Sankara College, Kalady

SYNTHESIS OF COPPER NANOPARTICLES BY CHEMICAL AND GREEN METHOD

Submitted by

ABHILITH JAYAN (200021026428)

AKHIL H (200021026429)

AKSHAY VINOD T V (200021026430)



Under the guidance of

DR. JESITHA K

Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF
CHEMISTRY
SREE SANKARA COLLEGE KALADY

1. Dr. Nayya Antony *Nayya Antony* 2020-23
27/4/23

2. Remedius P. A. *Remedius P. A.*
Signature of Examiners with date 29/4/23

Jesitha K
Dr. Jesitha K
Lecturer in charge of project

1

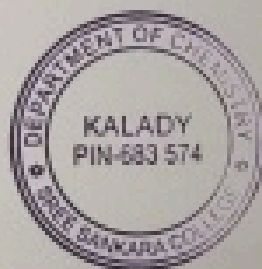
2

CERTIFICATE

This is to certify that project work entitled "Synthesis of copper nanoparticles by chemical And green method" is an authentic record of work carried out by Mr .Akshil H ,Mr .Abhijith jayan Mr.Akshay vinod T V under my guidance and supervision in partial fulfillment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science , Mahatma Gandhi University , Kottayam Forwarded By:

DR. Jesitha K *Jesitha*
Assistant Professor
Department of chemistry
Sree Sankara College Kalady

[Signature]
Smt. Manjula Krishnan
Assistant Professor and HOD
Department of chemistry
Sree Sankara College Kalady



DETERMINATION OF VITAMIN C IN FRUIT JUICES BY TITRIMETRIC METHOD

Submitted by

ABHIRAMI K M(200021026470)

ABHISHEK BABY(200021026471)

AMAL BINU(200021026472)



Under the guidance of

SREELAKSHMY R

Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

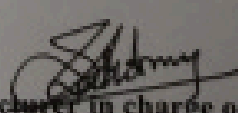
RESEARCH AND POST GRADUATE DEPARTMENT OF
CHEMISTRY SREE SANKARA COLLEGE KALADY

2020-23

Signature of Examiners with date

1. Dr. Sreedhara S. Sharma 02/05/23

2. Ramaraj V. P. R. 03/05/23


Lecturer in charge of project

CERTIFICATE

This is to certify that project work entitled "Determination of Vitamin C in Fruit Juices by Titrimetric Method" is an authentic record of work carried out by Ms. Abhirami K M(Reg No:200021026470), Mr. Abhishek Baby(Reg No:200021026471), Mr. Amal Binu (Reg No:20021026472) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Smt. Sreelakshmy R
Assistant Professor
Department of Chemistry
Sree Sankara College Kalady



Smt. Manjula Krishnan
Assistant Professor and HoD
Department of Chemistry
Sree Sankara College Kalady



COMPARISON OF CALCIUM CARBONATE CONTENT IN DIFFERENT EGGSHELLS

Submitted by

AIVIN WILSON (Reg No. 200021026455)

AMAL MON AD (Reg No. 200021026456)

ANNA DAVIS (Reg No. 200021026457)



Under the guidance of

Dr. Seena K Thomas

Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Undergraduate degree in Chemistry.

RESEARCH & POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY

2022-23

Signature of Examiners with date

1 *Dr. Manjya Antony*

2 *Ramanathan K*

Seena K Thomas
22/4/23

Lecturer in Charge of Project


Dr. Seena K Thomas


Seena

CERTIFICATE

This is to certify that project work entitled "Comparison of Calcium Carbonate Content in Different Eggshells" is an authentic record of work carried out by Mr. Arvin Wilson (Reg No:200021026455), Mr. Amal Mon AD (Reg No. 200021026456), Ms. Anna Davis (Reg No. 200021026457) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:


21/11/23
F-11 Smt. Manjula Krishnan
Assistant Professor and HoD
Research & Post Graduate
Department of Chemistry
Sree Sankara College, Kalady


Dr. Seena K Thomas
Assistant Professor
Research & Post Graduate
Department of Chemistry
Sree Sankara College, Kalady



COMPARISON OF CLEANSING ACTION OF DIFFERENT SAMPLES OF DETERGENTS

Submitted by

Amrutha Ashok (Reg no : 200021026473)

Anagha MS (Reg no : 200021026474)

Anupama K Kuttan (Reg no : 200021026475)

Nandana Prasad (Reg no : 200021026476)



Under the guidance of

Ms. P R Remadevi

Lecturer

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the Undergraduate degree in Chemistry.

POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE, KALADY

2020-23

Signature of Examiners with date

1. Dr. Sreevals. S. Shunna 22/08/23

2. Remadevi P.R Remadevi
31/5/23

Remadevi
Teacher in-charge of Project

REMADEVI P.R

CERTIFICATE

This is to certify that the project work entitled "Comparison of cleansing action of different samples of Detergents" is an authentic work carried out by Amrutha Ashok (Reg. No: 200021026473), Anagha MS (Reg no : 200021026474), Anupama K Kuttan (Reg no : 200021026475), Nandana Prasad (200021026476) under my guidance and supervision in partial fulfillment of the requirements for the Degree of Bachelor of Science in Chemistry under the faculty of Science, Mahatma Gandhi University, Kottayam.

Place: KALADY

Date: 03/05/2023



for

Ms. P.R Remadevi

Lecturer

Post Graduate and Research

Department of Chemistry

Sree Sankara College Kalady

SYNTHESIS OF CARBON QUANTUM DOTS FROM CITRIC ACID AND UREA IN A MICROWAVE OVEN

Submitted by

ANASWARA RAVI (200021026431)

ANJOE MARTIN (200021026432)

ANULAKSHMI PB (200021026433)



Under the guidance of
Dr. SEENA K. THOMAS
Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY

2020-23

Signature of Examiners with date

1 Dr. Nayya Antony Al
28/3/23

2 Renuka K. P. Pamuch
28/4/23

Lecturer in charge of project.

Seena
Dr. Seena K. Thomas


CERTIFICATE

This is to certify that project work entitled "Synthesis of Carbon Quantum Dots from Citric acid And Urea in a Microwave Oven" is an authentic record of work carried out by ms. Anaswara Ravi (Reg No. 200021026431), mr. Anjoo Martin (Reg No 200021026432), ms. Anulakshmi PB (Reg No 200021026433) under my guidance and supervision in the partial fulfillment of requirements for the Degree of Bachelor of Science in Chemistry under Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Dr. Seena K Thomas
Assistant Professor
Department of Chemistry
Sree Sankara College, Kalady


26/4/23

Smt. Manjula Krishnan
Assistant Professor and HOD
Department of Chemistry
Sree Sankara College, Kalady



EXTRACTION OF CAFFEINE FROM TEA

Submitted by

ASIF ANISHATH (200021026434)

ASWIN REJI (200021026435)

ATHIRA SIVAN (200021026436)

Under the guidance of

DR. GIREESH MK

Asst. professor



This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF CHEMISTRY

SREE SANKARA COLLEGE KALADY

2020 -2023

Signature of Examiners with date

1. Dr. Nanya Antony 27/4/23
2. Rema Devi P.L. Rema
27/4/23

As 26/4/23
lecture in charge of project:

CERTIFICATE

This is to certify that project work entitled "EXTRACTION OF CAFFEINE FROM TEA" is an authentic work carried out by ASIF ANISHATH [200021026434], ASWIN REJI [200021026435], ATHIRA SIVAN [200021026436] under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

For
[Signature]
26/4/23

FORWARDED BY :

Dr. Gireesh Mk

Asst. professor

Post Graduate Department of Chemistry

Sree Sankara college, Kalady

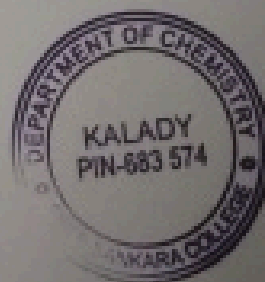
[Signature]

Smt. Manjula Krishnan

Assistant Professor and HOD

Post Graduate Department of Chemistry

Sree Sankara College, Kalady



SYNTHESIS OF SiO_2 FROM BAMBOO LEAVES AND IT'S CHARACTERISATION

Submitted by

ATHULLYA RAVI (200021026437)

BINSON M PAUL (200021026438)

DON FRANCIS (200021026439)



Under the guidance of

REMYA M NAIR

Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY

2020-23

Signature of Examiners with date

1. Dr. Nanya Antony *[Signature]* 20/04/23
2. Remya M. Nair *[Signature]* 20/04/23

Lecturer in charge of project.

Remya M. Nair *[Signature]* 20/04/23




CERTIFICATE

This is to certify that project work entitled SYNTHESIS OF SiO₂ FROM BAMBOO LEAVES AND IT'S CHARACTERIZATION is an authentic record of work carried out by Miss Athullya Ravi (200021026437), Mr. Binson M Paul(2000210264380) , Mr. Don Francis (200021026439) under guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By


For **Smt. Remya M. Nair.**

Assistant Professor
Post Graduate And Research
Department of Chemistry
Sree Sankara College
Kalady


Smt. Manjula Krishnan
Assistant Professor and HoD
Post Graduate And Research
Department of chemistry
Sree Sankara College
Kalady



**COMPARISON OF PERCENTAGE OF SODIUM BENZOATE
IN DIFFERENT SOFT DRINKS**

Submitted by

BIBITHA POULOSE (200021026458)

DEV SANKAR S (200021026459)

DILSY DENNY (200021026460)



Under the guidance of

DR. GIREESH M K

Assistant Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

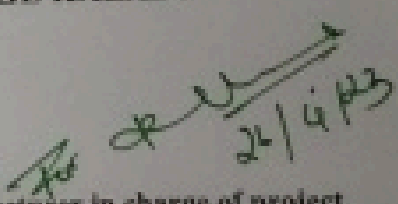
**RESEARCH AND POST GRADUATE DEPARTMENT OF
CHEMISTRY SREE SANKARA COLLEGE KALADY**

2020-23

Signature of Examiners with date

1. Dr. Kavya Antony 27/4/23

2. Rema Lakshmi P R (gmsd)
27/4/23

For  26/4/23
Lecturer in charge of project.

CERTIFICATE

This is to certify that project work entitled "Comparison of Percentage of Sodium Benzoate in Different Soft Drinks" is an authentic record of work carried out by Ms. Bibitha Poulose (200021026458), Mr. Dev Sankar S (200021026459), Ms. Dilay Denny (Reg No. 200021026460) under my guidance and supervision in partial the fulfilment of requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:

For
Dr. Gireesh M K

Assistant Professor

Department of Chemistry

Sree Sankara College, Kalady

For
Smt. Manjula Krishnan

Assistant Professor and HOD

Department of Chemistry

Department of Chemistry

Sree Sankara College, Kalady



***insitu* Synthesis of Nickel Sulphide (NiS) Nanoparticles on
Transparent Rigid Substrates (FTO) for Potential
Photoelectrochemical Applications**

Submitted by

Elsa Thomas (200021026440)

Ganga P.M (200021026441)

Hidha Farveen P.A (200021026442)



Under the guidance of
Dr. Vivek Ramakrishnan
Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Undergraduate degree in Chemistry.

**RESEARCH & POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY**

2022-23

Signature of Examiners with date

1
2

Dr. Neelima Antray
Ramudivi P.K. 27/11/23

Lecturer in Charge of Project

CERTIFICATE

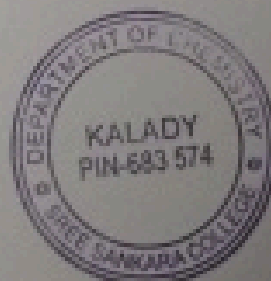
This is to certify that project work entitled "in situ Synthesis of Nickel Sulphide (NiS) Nanoparticles on Transparent Rigid Substrates (FTO) for Potential Photoelectrochemical Applications" is an authentic record of work carried out by Miss Elsa Thomas (200021026440), Ganga P.M (200021026441) and Hidha Farveen P.A (200021026442) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:

Smt. Manjula Krishnan
Assistant Professor and HoD
Post Graduate Department of Chemistry
Sree Sankara College Kalady

Dr. Vivek Ramakrishnan

Assistant Professor
Post Graduate Department of Chemistry
Sree Sankara College Kalady



DETERMINATION OF QUANTITY OF CASEIN IN DIFFERENT SAMPLES OF MILK.

Submitted by

EATHIMA MAHIN (200021026461)
FEBEENA SHAMEER (200021026462)
GANGA RAJIV (200021026463)



Under the guidance of
REMYA M NAIR
Asst. Professor

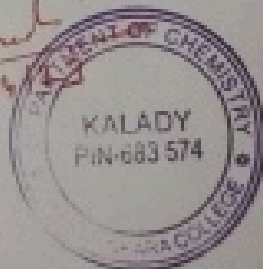
This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY

2020-23

Signature of Examiners with date

1. *Dr. Navya Antony*
2. *Ramesh V. R*



Lecturer in charge of project.

Remya M. Nair
Remya
20/04/23

CERTIFICATE


This is to certify that project work entitled "Determination of Quantity of Casein Present in Different Samples of Milk" is an authentic record of work carried out by Ms. Fathima Mahin (Reg No. 200021026461), Ms. Febeena Shameer (Reg No. 200021026462), Ms. Ganga Rajiv (Reg No. 200021026463) under my guidance and supervision in partial the fulfilment of requirements for the Degree of Bachelor of Science in Chemistry under Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:

For 

Smt. Remya M Nair
Assistant Professor
Department of Chemistry
Sree Sankara College Kalady



For 
Smt. Manjula Krishnan
Assistant Professor and HoD
Department of Chemistry
Sree Sankara College Kalady

***insitu* Synthesis of Cobalt Sulphide (CoS) Nanoparticles on
Transparent Rigid Substrates (FTO) for Potential
Photoelectrochemical Applications**

Submitted to Mahatma Gandhi University in partial fulfillment of the requirement
for the Undergraduate degree in Chemistry.

Submitted by

Jayakrishna A R (Reg No: 200021026464)

Lekha Sadasivan (Reg No: 200021026465)

Mancy K M (Reg No: 200021026466)



Under the guidance of
Dr. Vivek Ramakrishnan
Asst. Professor

**RESEARCH & POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY
2022-23**

Signature of Examiners with date

1

Dr. Sruthala S. Sharmila 03/05/2023

2

R. Manojkumar 31/5/23

Lecturer in Charge of Project

02/05/2023

CERTIFICATE

This is to certify that project work entitled "In situ Synthesis of Cobalt Sulphide (CoS) Nanoparticles on Transparent Rigid Substrates (FTO) for Potential Photoelectrochemical Applications" is an authentic record of work carried out by Mr Jayakrishna A R (Reg No: 200021026464), Ms Lekha Sadasivan (Reg No: 200021026465) Ms Mancy K. M (Reg No: 200021026466) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:

For Smt. Manjula Krishnan
Assistant Professor and HoD
Research & Post Graduate Department
of Chemistry
Sree Sankara College Kalady
2/5/23

02/05/2023
Dr. Vivek Ramakrishnan
Assistant Professor
Research & Post Graduate Department
of Chemistry
Sree Sankara College Kalady



SYNTHESIS AND CHARACTERIZATION OF POLYANILINE A CONDUCTING POLYMER USING HCl AS DOPANT

Submitted by

KHADEEJA NAZREEN

INDRAJITH P S

JOSHNA JOHNY

Under the guidance of

Dr. JEENA C B



This report is submitted to Mahatma Gandhi University in
partial fulfillment of the requirement of the Under Graduate
Degree in chemistry

RESEARCH AND POST GRADUATE
DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY
2020-2023

Signature of examiners with date

1. *Dr. Navya Antony*
2. *Remuchivi P R*
29/4/23

CERTIFIED BONA FIDE RECORD

30/04/2023
Lecturer in charge
of Project

CERTIFICATE

This is to certify that project work entitled "Synthesis and characterization of polyaniline a conducting polymer using HCl as a dopant" is an authentic work carried out by Mr. Indrajith P S (Reg NO:200021026443) Ms. Joshna Johny (Reg NO:200021026444) Ms. Khadeeja Nazreen (Reg NO: 200021026445) under my guidance and supervision in partial fulfillment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Ms. Manjula Krishnan

Assistant Professor & HOD

Research & Postgraduate
Department of Chemistry

SreeSankara College Kalady



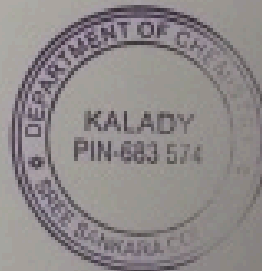
20/08/2023

Dr. Jeena C B

Assistant Professor

Research & Postgraduate
Department of Chemistry

SreeSankara College Kalady



DETERMINATION OF CITRIC ACID IN FRUIT JUICES BY TITRIMETRIC METHOD

Submitted by

KRIPA GEORGE(200021026446)

MARIA GEORGE(200021026447)

MEENAKSHI C S(200021026448)



Under the guidance of

SREELAKSHMY R

Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Under Graduate degree in Chemistry.

RESEARCH AND POST GRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY

2020-23

Signature of Examiners with date

1. Dr. Nargya Antony N
2. Dr. Anandhi P. R. Anandhi
27/6/23

Lecturer in charge of project

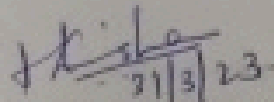
CERTIFICATE

This is to certify that project work entitled "Determination of Citric Acid in Fruit Juices by Titrimetric Method" is an authentic record of work carried out by Ms. Kripa George (Reg No:200021026446), Ms. Maria George (Reg No:200021026447), Ms. Meenakshi C S (Reg No:20021026448) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Smt. Sreelakshmy R
Assistant Professor
Department of Chemistry
Sree Sankara College Kalady



Smt. Manjula Krishnan
Assistant Professor and HoD
Department of Chemistry
Sree Sankara College Kalady



**ISOLATION OF TRIMYRISTIN FROM NUTMEG AND
PREPARATION OF SODIUM MYRISTATE (SOAP)**

Submitted by

NANDANA SABU (200021026449)
NAVYA K. S (200021026450)
RISNA T. P (200021026451)



Under the guidance of
Ms. Manjula Krishnan
Asst. Professor

This project report is submitted to Mahatma Gandhi University in partial fulfillment of
the requirement for the Undergraduate degree in Chemistry.

**RESEARCH AND POSTGRADUATE DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE KALADY**

2020-23

Signature of Examiners with date

1. *Dr. Navya Antony* *24/12/23*
2. *Rema Devi P. R.* *27/12/23*

CERTIFIED BONA FIDE RECORD
[Signature]
TEACHER IN CHARGE
DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE
KALADY

Teacher in Charge of Project

CERTIFICATE

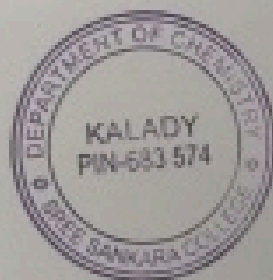
This is to certify that project work entitled "*Isolation of trimyristin from nutmeg and preparation of sodium myristate (soap)*" is an authentic record of work carried out by Ms. Nandana Sabu (200021026449), Ms. Navya K. S (200021026450) and Ms. Risna T. P (Reg No: 200021026451) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Ms. Manjula Krishnan
Asst. Prof. and Head
Research and Postgraduate Department
of Chemistry
Sree Sankara College Kalady

Place: Mattoor
Date: 27/03/2023



SYNTHESIS AND CHARACTERIZATION OF POLYANILINE A CONDUCTING POLYMER USING H_2SO_4 AS DOPANT

Submitted by
NAVYA N S
SREEPARVATHY M C
NATHASHA RAJAN

Under the guidance of
Dr. JEENA C B



This report is submitted to Mahatma Gandhi University in
partial fulfillment of the requirement of the Under Graduate
Degree in chemistry

RESEARCH AND POST GRADUATE
DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY
2020-2023

Signature of examiners with date

1. Dr. Sreekala S. Sharanam *[Signature]* 05/05/2023

2. Dr. Revathi P. K. Aravind *[Signature]*
3/3/23

CERTIFIED BONA FIDE RECORD

[Signature]
LECTURER IN CHARGE
DEPARTMENT OF CHEMISTRY
SREE SANKARA COLLEGE, KALADY
30/03/2023

Lecturer in charge
of Project


CERTIFICATE

This is to certify that project work entitled "Synthesis and characterization of polyaniline a conducting polymer using H_2SO_4 as a dopant" is an authentic work carried out by

Ms. Nathasha Rajan(Reg NO:200021026467) Ms. Navya N S (Reg NO:200021026468)

Ms. Sreeparvathy M C (Reg NO: 200021026469) under my guidance and supervision in partial fulfillment of the requirements for the Degree of Bachelor of Science in Chemistry under the Faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



Ms. Manjula Krishnan

Assistant Professor & HOD

Research & Postgraduate
Department of Chemistry

Sree Sankara College Kalady



30/03/2023

Dr. Jeena C B

Assistant Professor

Research & Postgraduate
Department of Chemistry

Sree Sankara College Kalady

DETERMINATION OF PERCENTAGE OF
CITRAL IN LEMONGRASS OILS

Dissertation

Submitted to Mahatma Gandhi University

*in partial fulfillment of the requirement for the Award of the degree of
Bachelor of Chemistry*

By

Nimisha M.N - 200021026477

Sreehari baiju - 200021026478

Sreekutty sabu - 200021026479

Suryajith Sreekumar - 200021026480

Under the Guidance of

Smt. Sylajadevi P.



Department of Chemistry

Sree Sankara College, Kalady

1. Dr. Sreekala .S. Sreemath 2023

2. Remudavi. P.R. Remudavi
2/5/23

CERTIFICATE

This is to certify that this dissertation titled "Determination of percentage of citral in lemongrass oils submitted to Mahatma Gandhi University in partial fulfillment of the requirement for the Award of the degree of Bachelor of Chemistry is a record of bonafide research carried out by Nimisha M.N, Sreehari baiju, Sreekutty sabu and Suryajith Sreekumar under the guidance of Smt. Sylajadevi P. Asst. Professor , Dept .of Chemistry, Sree Sankara College, Kalady.

Internal Project Guide

For Smt. Sylajadevi P.

Sylajadevi
28/4/23

Kalady
28/4/2023

Head of the Department

Smt. Manjula Krishnan

For *Manjula*

**SYNTHESIS OF IRON NANOPARTICLES BY CHEMICAL
METHOD AND ITS CHARACTERISATION**

Submitted by

ROSE MARIYA SHAJU (200021026452)

RUKSIYA BAQUIR C K (200021026453)

VARSHA V (200021026454)



Under the guidance of

DR. JESITHA K

Assistant Professor

This project report is submitted to Mahatma Gandhi University in partial
fulfilment of the requirement for the Under Graduate degree in Chemistry.

**RESEARCH AND POST GRADUATE DEPARTMENT OF
CHEMISTRY SREE SANKARA COLLEGE KALADY**

2020-2023

Signature of Examiner with date

1. *Dr. Nagesh Antony* *27/1/23*

2. *Ramachandran K* *27/1/23*

Jesitha K
Lecture in charge of project.

CERTIFICATE

This is to certify that project work entitled "Synthesis of Iron Nanoparticles by Chemical Method and Its Characterisation" is an authentic record of work carried out by Ms. Rose Mariya Shaju (Reg. No. 200021026452), Ms. Ruksiya Baquir C K (Reg. No. 200021026453), Ms. Varsha V (Reg. No. 200021026454) under my guidance and supervision in partial fulfilment of the requirements for the Degree of Bachelor of Science in Chemistry under the faculty of Science, Mahatma Gandhi University, Kottayam.

Forwarded By:



For [Signature]

Dr. Jesitha K
Assistant Professor
Department of Chemistry
Sree Sankara College, Kalady

For [Signature]
Smt. Manjula Krishnan

Assistant Professor and HOD
Department of Chemistry
Sree Sankara College, Kalady



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ABHIRAMY MOHANAN**, Adm. No. E 7961, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AISWARYA PAUL**, Adm. No. E 7930, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AJAL MUKUNDAN**, Adm. No. E 8055, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALBIN BAIJU**, Adm. No. E8044, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALEENA ROSE BENNY**, Adm. No. E 8050, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMALA MARY BENNY**, Adm. No. E 8358, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMALKRISHNA M. G.**, Adm. No. E 8080, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMEENA THAHZEEN N. S.**, Adm. No. E 8118,
First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANANDU K A**, Adm. No. E 8272, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANNA JOY**, Adm. No. E 8057, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ARCHANA S. NAIR**, Adm. No. E 8013, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ARUN PRAKASH**, Adm. No. E 8439, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **FATHIMA SARDAR**, Adm. No. E 8334, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **GOURI NANDANA T. H.**, Adm. No. E 8021, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **HANIYA C. A.**, Adm. No. E 7937, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **HUSNA THASNEEM K H**, Adm. No. E 8336, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **K R HISHAM MUHAMMED**, Adm. No. E 8338,
First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure
Making**' as part of the Massive Open Online Course of Mahatma Gandhi
University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMIPRIYA N. U.**, Adm. No. E 7838, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **PARVATHY K. S.**, Adm. No. E 8101, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **SUMAIYA V. S.**, Adm. No. E 8086, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **UMA R.**, Adm. No. E 8204, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AKHIL VINOD**, Adm. No. E 8053, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALEENA BIJU**, Adm. No. E 8072, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMRITHALAKSHMI C. U.**, Adm. No. E 7821,
First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure
Making**' as part of the Massive Open Online Course of Mahatma Gandhi
University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANTONY A. I.**, Adm. No. E 8040, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANUPAMA P. B.**, Adm. No. E 7801, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ASHNA JOLLY**, Adm. No. E 7825, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ATHIRA SANTHOSH**, Adm. No. E 8024, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BASIL BAIJU**, Adm. No. E 8344, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BEEGUM SUHAILA P**, Adm. No. E 8249, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BEEVI NAFIAH**, Adm. No. E 8360, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **INDULEKHA K. P.**, Adm. No. E 8174, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ISSAC T. SHAJU**, Adm. No. E 8076, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **K. M. BHAGYALAKSHMI**, Adm. No. E 8166,
First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure
Making**' as part of the Massive Open Online Course of Mahatma Gandhi
University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMI**, Adm. No. E 8018, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMI ANILKUMAR**, Adm. No. E 7864, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **NANDANA SAJEEV**, Adm. No. E 8393, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **RESHMI RADHAKRISHNAN**, Adm. No. E 8146, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **RUTH M. T.**, Adm. No. E 8144, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **UNNIKRISHNAN P. V.**, Adm. No. E 8181, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **VYSAK A. S.**, Adm. No. E 7770, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ASWANI M. R.**, Adm. No. E 8175, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **MEENAKSHI N. V.**, Adm. No. E 8019, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **PARVATHY RAJU**, Adm. No. E 7817, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **SISIRA SHANMUGHAN**, Adm. No. E 8006, First Semester B. Sc. Chemistry has completed a project titled '**Organic Manure Making**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ABHIRAMY MOHANAN**, Adm. No. E 7961,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AISWARYA PAUL**, Adm. No. E 7930, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AJAL MUKUNDAN**, Adm. No. E 8055, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALBIN BAIJU**, Adm. No. E8044, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALEENA ROSE BENNY**, Adm. No. E 8050,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMALA MARY BENNY**, Adm. No. E 8358,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMALKRISHNA M. G.**, Adm. No. E 8080, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMEENA THAHZEEN N. S.**, Adm. No. E 8118,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANANDU K A**, Adm. No. E 8272, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANNA JOY**, Adm. No. E 8057, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ARCHANA S. NAIR**, Adm. No. E 8013, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ARUN PRAKASH**, Adm. No. E 8439, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **FATHIMA SARDAR**, Adm. No. E 8334, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **GOURI NANDANA T. H.**, Adm. No. E 8021,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **HANIYA C. A.**, Adm. No. E 7937, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **HUSNA THASNEEM K H**, Adm. No. E 8336,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **K R HISHAM MUHAMMED**, Adm. No. E 8338,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMIPRIYA N. U.**, Adm. No. E 7838, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **PARVATHY K. S.**, Adm. No. E 8101, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **SUMAIYA V. S.**, Adm. No. E 8086, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **UMA R.**, Adm. No. E 8204, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AKHIL VINOD**, Adm. No. E 8053, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ALEENA BIJU**, Adm. No. E 8072, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **AMRITHALAKSHMI C. U.**, Adm. No. E 7821,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANTONY A. I.**, Adm. No. E 8040, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ANUPAMA P. B.**, Adm. No. E 7801, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ASHNA JOLLY**, Adm. No. E 7825, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ATHIRA SANTHOSH**, Adm. No. E 8024, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BASIL BAIJU**, Adm. No. E 8344, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BEEGUM SUHAILA P**, Adm. No. E 8249, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **BEEVI NAFIAH**, Adm. No. E 8360, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **INDULEKHA K. P.**, Adm. No. E 8174, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ISSAC T. SHAJU**, Adm. No. E 8076, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **K. M. BHAGYALAKSHMI**, Adm. No. E 8166,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMI**, Adm. No. E 8018, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **LAKSHMI ANILKUMAR**, Adm. No. E 7864,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **NANDANA SAJEEV**, Adm. No. E 8393, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **RESHMI RADHAKRISHNAN**, Adm. No. E 8146,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.
Course Coordinator



Dr. Preethi Nair
Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **RUTH M. T.**, Adm. No. E 8144, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email: info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **UNNIKRISHNAN P. V.**, Adm. No. E 8181, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **VYSAK A. S.**, Adm. No. E 7770, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **ASWANI M. R.**, Adm. No. E 8175, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **MEENAKSHI N. V.**, Adm. No. E 8019, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA

Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in

RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **PARVATHY RAJU**, Adm. No. E 7817, Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal



SREE SANKARA COLLEGE, KALADY

SANKAR NAGAR, KALADY – 683 574, ERNAKULAM DISTRICT, KERALA
Phone : 0484 2462341 Fax : 0484 2466878 Website : www.ssc.edu.in Email:info@ssc.edu.in
RE-ACCREDITED IN THE THIRD CYCLE BY NAAC WITH B++ GRADE

CERTIFICATE

This is to certify that **SISIRA SHANMUGHAN**, Adm. No. E 8006,
Second Semester B. Sc. Chemistry has completed a project titled '**Organic Farming**' as part of the Massive Open Online Course of Mahatma Gandhi University on 'Organic Farming' during the academic year 2022-23.

Dr. Minimol K. C.

Course Coordinator



Dr. Preethi Nair

Principal