

***Euphorbia Hirta* as green corrosion inhibitor for mild
steel in hydrochloric acid**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

R. Anto Maria Jesili

Reg. No:18SPCH01

Under the Supervision and Guidance of

Dr. J. Antony Rajam M.Sc.,M.Phil.,SET.,Ph.D.



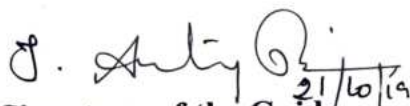
PG DEPARTMENT OF CHEMISTRY (SSC)

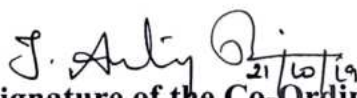
St. Mary's College (Autonomous), Thoothukudi

October – 2019

CERTIFICATE

This is to certify that this project work entitled
**“*Euphorbia Hirta* as green corrosion inhibitor for mild steel in
hydrochloric acid medium”** is submitted to **St. Mary’s College
(Autonomous), Thoothukudi** affiliated to **Manonmaniam
Sundaranar University, Tirunelveli** in partial fulfilment for
the award of the **Degree of Master of Science in Chemistry**
and is work done during the year 2017 - 2019 by **R.ANTO
MARIA JESILI (Reg. No: 18SPCH01)**


Signature of the Guide


Signature of the Co-Ordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary’s College (Autonomous)
Thoothukudi - 628 001.


Signature of the principal
Principal
St. Mary’s College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled "*Euphorbia Hirta* as green corrosion inhibitor for mild steel in hydrochloric acid medium" submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Dr. Mrs. J. Antony Rajam M.Sc.,M.Phil.,SET.,Ph.D.** Assistant professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : ...25/10/19

R. Anto Maria Jesili

R. ANTO MARIA JESILI

CORROSION INHIBITORS OF MILD STEEL IN 1M HCl
USING *SOLANUM SURATTENSE*

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

C.Antony Chella Nisha

Reg.No:18SPCH02

Under the Supervision and Guidance of

Dr. J. Antony Rajam M.Sc.,M.Phil.,SET.,Ph.D.



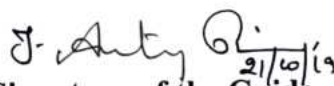
PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi

October – 2019

CERTIFICATE

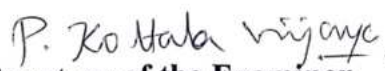
This is to certify that this project work entitled “Corrosion Inhibitors Of Mild Steel In 1M HCl Using Plant Extract” is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and is work done during the year 2017 - 2019 by C.ANTONY CHELLA NISHA (Reg. No: 15SPCH02)


Signature of the Guide


Signature of the Co-ordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the principal
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled "**Corrosion Inhibitors Of Mild Steel In 1M HCl Using Plant Extract**" submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Dr. J. Antony Rajam M.Sc., M.Phil., SET., Ph.D., PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station : Thoothukudi

Date : 25.10.19

Antony chella nisha.C
ANTONY CHELLA NISHA.C

**A NATURAL INHIBITION ACTIVITY OF PHYTOCOMPOUNDS AGAINST OF
ASTHMA**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi.

Affiliated to

MANONMANIAMSUNDARANAR UNIVERSITY, TIRUNELVELI

in partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

M.ANTONY MICHEAL NIVETHA

18SPCH03

Dr. Mrs. C. ZOZIMUS DIVYA LOBO M.Sc., M.Phil., Ph.D.,

Under the Supervision and Guidance of



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi - 628001

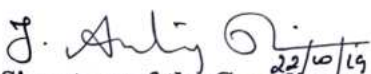
October – 2019


CERTIFICATE

This is to certify that this project work entitled "A NATURAL INHIBITION ACTIVITY OF PHYTOCOMPOUNDS AGAINST OF ASTHMA" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI in partial fulfilment for the award of the Degree of Master of Science in CHEMISTRY and is work done during the year 2018-2019 by ANTONY MICHEAL NIVETHA.M (REG.NO: 18SPCH03)



Signature of the Guide

Dr. C. ZOZIMUS DIVYA LOBO
M.Sc., M.Phil., Ph.D.
ASSISTANT PROFESSOR
DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE (AUTONOMOUS)
THOOTHUKUDI - 628 001, TIRUNELVELI, KANNIAR MILNADU

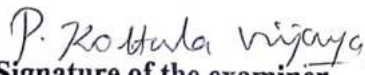

Signature of the Coordinator


Signature of the Director
Director

Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Principal
Principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the examiner

DECLARATION

I do here by declare that the project entitled "**A NATURAL INHIBITION
ACTIVITY OF PHYTOCOMPOUNDS AGAINST OF ASTHMA**" submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance **Dr.Mrs. C.ZOZIMUS DIVYA LOBO M.Sc.,M.Phil.,Ph.D., Assistant Professor, PG DEPATMENT OF CHEMISTRY(SSC), St.Mary's College (Autonomous),Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date: 25.10.2019

M.ANTONY MICHEAL NIVETHA

M. Antony Michael Nivetha

**ANTIOXIDANT ACTIVITY OF ECO-FRIENDLY SYNTHESIS OF
SELENIUM DIOXIDE NANOPARTICLES USING WHEY MILK
EXTRACT AND ITS CHARACTERISATION**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfillment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

V.ANTONY SAHAYA RATHI

Reg. No:18SPCH04

Under the Supervision and Guidance of

Mrs. D.CAROLIN JENIBA RACHEL M.Sc., M.Phil., SET.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous),

Thoothukudi -628 001

October – 2019

CERTIFICATE

This is to certify that this project work entitled "ANTIOXIDANT ACTIVITY OF ECO-FRIENDLY SYNTHESIS OF SELENIUM DIOXIDE NANOPARTICLES USING WHEY MILK EXTRACT AND ITS CHARACTERISATION" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfillment for the award of the Degree of Master of Science in Chemistry and is work done during the year 2017 - 2019 by V. ANTONY SAHAYA RATHI (Reg. No: 18SPCH04)

Signature of the Guide

[D. CAROLIN JENIBA RACHEL]

Signature of the Coordinator

Signature of the Director
Director

Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

Signature of the principal
Principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled “ANTIOXIDANT ACTIVITY OF ECO-FRIENDLY SYNTHESIS OF SELENIUM DIOXIDE NANOPARTICLES USING WHEY MILK EXTRACT AND ITS CHARACTERISATION” submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of Mrs. D.CAROLIN JENIBA RACHEL M.Sc.,SET.,M.Phil.,Assistant Professor, Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : 25.10.19...

V. Antony Sahaya Rathi
(V. ANTONY SAHAYA RATHI)

**SUPER CAPACITANCE PROPERTIES OF LITHIUM
TUNGSTATE NANOPARTICLES USING REVERSE
MICELLE METHOD**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

**MANONMANIAM SUNDARANAR UNIVERSITY,
TIRUNELVELI**

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

GAYATHRI.C

Reg. No:18SPCH05

Under the Supervision and Guidance of

Mrs.K.SARAVANADEVI. M.Sc., M.Phil., SET.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi

October – 2019

CERTIFICATE

This is to certify that this project work entitled "SUPER CAPACITANCE PROPERTIES OF LITHIUM TUNGSTATE NANOPARTICLE USING REVERSE MICELLE METHODE" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and is work done during the year 2019 - 2020 by C.GAYATHRI (Reg. No: 18SPCH05)

K. Sankar

Signature of the Guide

J. Arthy 21/10/19

Signature of the Co-ordinator

Joyce

Signature of the Director

Director

Self Supporting Courses

St. Mary's College (Autonomous)

Thoothukudi - 628 001.

Lucia Rose

Signature of the Principal

Principal

St. Mary's College (Autonomous)

Thoothukudi - 628 001.

P. Kothala Vijaya

Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled **“SUPER CAPACITANCE PROPERTIES OF LITHIUM TUNGSTATE NANOPARTICLES USING REVERSE MICELLES METHOD”** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Mrs.K.SARAVANADEVIM.Sc.,M.Phil.,SET., Assistant Professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : ..25.10.19..

C. Gayathri
GAYATHRI.C

***A NATURAL COMPOUNDS IDENTIFICATION OF AN ANTI PEPTIC
ULCER***

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi.

Affiliated to

**MANONMANIAMSUNDARANAR UNIVERSITY,
TIRUNELVELI**

in partial fulfillment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

KOWSALYA.T

Reg.No:18SPCH06

Under the Supervision and Guidance of

Dr. Mrs. C. ZOZIMUS DIVYA LOBO M.SC., M.Phil., Ph.D.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi - 628001

October – 2019

CERTIFICATE

This is to certify that this project work entitled "*A NATURAL COMPOUNDS IDENTIFICATION OF AN ANTI PEPTIC ULCER*" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI in partial fulfilment for the award of the Degree of Master of Science in CHEMISTRY and is work done during the year 2018-2020 by KOWSALYA.T (REG.NO: 18SPCH06)

C. Divya Lobo
28/10/19

Signature of the Guide

Dr. C. Zozimus Divya Lobo
M.Sc., M.Phil, Ph.D.,
ASSISTANT PROFESSOR
DEPARTMENT OF CHEMISTRY
ST. MARY'S COLLEGE (AUTONOMOUS)
THOOTHUKUDI-628001. TAMILNADU

J. Anly R.
31/10/19

Signature of the Coordinator

Joyce

Signature of the Director
Director

Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

Lucia Rose

Signature of the Principal
Principal

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

P. Roshan Vijaya

Signature of the Examiner

DECLARATION

I do here by declare that the project entitled "*A NATURAL COMPOUNDS IDENTIFICATION OF AN ANTI PEPTIC ULCER*" submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance **Dr. Mrs. C.ZOZIMUS DIVYA LOBO M.Sc., M. Phil., Ph.D., Assistant Professor, PG DEPATMENT OF CHEMISTRY(SSC), St.Mary's College (Autonomous),Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station:Thoothukudi

Date : 25.10.19

T.Kowsalya
KOWSALYA.T

**SYNTHESIS AND CHARACTERIZATION OF
CORROSIVE RESISTANT GELATIN-IRON
ZIRCONIA BIOCOMPOSITE**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

**MANONMANIAM SUNDARANAR UNIVERSITY,
TIRUNELVELI**

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

A.MARIAANTONY VASANTHI

Reg. No:18SPCH07

Under the Supervision and Guidance of

Mrs. K.SARAVANADEVI M.SC., M.Phil., SET.,




PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi

October –2019

CERTIFICATE

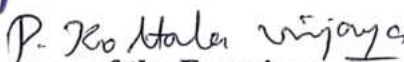
This is to certify that this project work entitled "SYNTHESIS AND CHARACTERIZATION OF CORROSIVE RESISTANCE GELATIN-IRON ZIRCONIA BIOCOMPOSITE" is submitted to St.Mary's college (Autonomous), Thoothukudi affiliated Manonmaniam Sundaranar University, Thirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and is work done during the year 2018 - 2019 by A.MARIAANTONY VASANTHI (Reg. No: 18SPCH07)


Signature of the Guide


Signature of the Coordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the principal
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled **“SYNTHESIS AND CHARACTERIZATION OF CORROSIVE RESISTANCE GELATIN-IRON ZIRCONIA BIOCOMPOSITE”** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Mrs.K.SARAVANADEVI M.SC., M.PHIL., SET., Assistant Professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : .25/10/19

A. Maria Antony Vasanthi

A.MARIA ANTONY VASANTHI

**A CURRENT THERAPEUTIC INHIBITION OF AN ALZHEIMER'S
DISEASE USING A NATURAL PHYTOCHEMICAL COMPOUNDS**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi.

Affiliated to

**MANONMANIAMSUNDARANAR UNIVERSITY,
TIRUNELVELI**

in partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

PON ANANTHI. V

Reg.No:18SPCH08

Under the Supervision and Guidance of

Dr. C. ZOZIMUS DIVYA LOBO M.SC., M.Phil., Ph.D.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi - 628001

October – 2019

CERTIFICATE

This is to certify that this project work entitled “A CURRENT THERAPEUTIC INHIBITION OF AN ALZHEIMER’S DISEASE USING A NATURAL PHYTOCHEMICAL COMPOUNDS” is submitted to St. Mary’s College (Autonomous), Thoothukudi affiliated to MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI in partial fulfilment for the award of the Degree of Master of Science in CHEMISTRY and is work done during the year 2018-2020 by PON ANANTHI. V (REG.NO: 18SPCH08).

C. P. R.
16/10/19

Signature of the Guide

J. Anitha
21/10/19

Signature of the Coordinator

Joyce

Signature of the Director
Director

Self Supporting Courses
St. Mary’s College (Autonomous)
Thoothukudi - 628 001.

Lucia Rose

Signature of the Principal
Principal

St. Mary’s College (Autonomous)
Thoothukudi - 628 001.

P. Krothulaj Vijaya
Signature of the Examiner

DECLARATION

I do here by declare that the project entitled **“A CURRENT THERAPEUTIC INHIBITION OF AN ALZHEIMER’S DISEASE USING A NATURAL PHYTO CHEMICAL COMPOUNDS”** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Dr. C. ZOZIMUS DIVYA LOBO M.Sc., M.Phil., Ph.D., Assistant Professor, PG DEPARTMENT OF CHEMISTRY(SSC), St. Mary’s College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date: 25. 10. 2019

V. 

PON ANANTHI. V

**A STUDY OF ANTIOXIDANT AND ANTIBACTERIAL
ACTIVITY USING HONEY MEDIATED CHROMIUM
OXIDE NANOPARTICLES AND IT'S
CHARACTERIZATION**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

RAYANI NIVETHITHA . P

Reg. No:18SPCH10

Under the Supervision and Guidance of

Mrs. D. Carolin Jeniba Rachel M.Sc., M.Phil., SET



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi

October – 2019

CERTIFICATE

This is to certify that this project work entitled "A STUDY OF ANTIOXIDANT AND ANTIBACTERIAL ACTIVITY USING HONEY MEDIATED CHROMIUM OXIDE NANOPARTICLES AND IT'S CHARACTERIZATION" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and work done during the year 2019 - 2020 by RAYANI NIVETHITHA . P (Reg. No: 18SPCH10)


Signature of the Guide

(D. CAROLIN JENIBA RACHEL)


Signature of the Co-ordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Principal
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled **“A STUDY OF ANTIOXIDANT AND ANTIBACTERIAL ACTIVITY USING HONEY MEDIATED CHROMIUM OXIDE NANOPARTICLES AND IT’S CHARACTERIZATION”** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Mrs. D. Carolin Jeniba Rachel M.Sc., M.Phil., SET., Assistant Professor, PG Department of Chemistry (SSC), St. Mary’s College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : 25.10.2019

Rayani Nivethitha.P
RAYANI NIVETHITHA . P

**ECOFRIENDLY SYNTHESIS OF ZINC SULPHIDE NANOPARTICLES
USING CARICA PAPAYA LEAVES EXTRACT, ITS
CHARACTERIZATION AND USED AS BIO-SENSOR**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

R.RENISHA

Reg. No: 18SPCH11

Under the Supervision and Guidance of

Mrs. D. CAROLIN JENIBA RACHEL M.Sc., M.Phil., SET.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous),

Thoothukudi - 628001

October – 2019

CERTIFICATE

This is to certify that this project work entitled "ECOFRIENDLY SYNTHESIS OF ZINC SULPHIDE NANOPARTICLES USING CARICA PAPAYA LEAVES EXTRACT, ITS CHARACTERIZATION AND USED AS BIO-SENSOR" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and is work done during the year 2019 - 2020 by R.RENISHA (Reg. No: 18SPCH11)

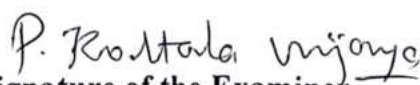

Signature of the Guide

[D. CAROLIN JENIBA RACHEL]


Signature of the Co-ordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Principal
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled **“ECOFRIENDLY SYNTHESIS OF ZINC SULPHIDE NANOPARTICLES USING CARICA PAPAYA LEAVES EXTRACT, ITS CHARACTERIZATION AND USED AS BIO-SENSOR”** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Mrs.D.CAROLIN JENIBA RACHEL M.Sc., M.Phil., SET., Assistant Professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : 25.10.2019


(R.RENISHA)

**SYNTHESIS AND CHARACTERIZATION OF
FERROMAGNETIC COBALT FERRITE (CoFe_2O_4)
NANOPARTICLES USING REVERSE MICELLES**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University,

Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

S. SHELCIYA

Reg. No:18SPCH12

Under the Supervision and Guidance of

Mrs.K.SARAVANADEVI M.Sc., M.Phil., SET.,



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous), Thoothukudi

October – 2019

CERTIFICATE

This is to certify that this project work entitled "SYNTHESIS AND CHARACTERIZATION OF FERROMAGNETIC COBALT FERRITE (CoFe_2O_4) NANOPARTICLES USING REVERSE MICELLES" is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and this work done during the year 2019 - 2020 by S.SHELCHIYA (Reg. No: 18SPCH12)

K. Samir Raj

Signature of the Guide

J. Arthy 21/07/20

Signature of the Coordinator

Joyce

Signature of the Director

Director

Self Supporting Courses

St. Mary's College (Autonomous)

Thoothukudi - 628 001.

Lucia Rose

Signature of the Principal

Principal

St. Mary's College (Autonomous)

Thoothukudi - 628 001.

P. Kottala Vijaya

Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled "SYNTHESIS AND CHARACTERIZATION OF FERROMAGNETIC COBALT FERRITE (CoFe_2O_4) NANOPARTICLES USING REVERSE MICELLES" submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of Mrs.K.SARAVANADEVI M.Sc.,M.Phil.,SET., Assistant Professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : 25.10.2019


S. SHELCIYA

**PHOTOCATALYTIC ACTIVITY OF GREEN SYNTHESIZED
TITANIUM OXIDE NANOPARTICLES USING MANILKARA
ZAPOTA LEAVES EXTRACT AND ITS CHARACTERISATION**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University, Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

V.SHENBAGAVALLI

Reg.No:18SPCH13

Under the Supervision and Guidance of

Mrs. D. Carolin Jeniba Rachel M.Sc., M.Phil., SET



PG DEPARTMENT OF CHEMISTRY (SSC)

St. Mary's College (Autonomous),

Thoothukudi-628 001

October – 2019

CERTIFICATE

This is to certify that this project work entitled **"PHOTOCATALYTIC ACTIVITY OF GREEN SYNTHESIZED TITANIUM DIOXIDE NANOPARTICLES USING MANILKARA ZAPOTA LEAVES EXTRACT AND ITS CHARACTERISATION"** is submitted to St. Mary's College (Autonomous), Thoothukudi affiliated to Manonmaniam Sundaranar University, Tirunelveli in partial fulfilment for the award of the Degree of Master of Science in Chemistry and work done during the year 2019 - 2020 by SHENBAGAVALLI.V(Reg. No: 18SPCH13)

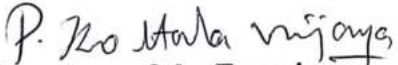

Signature of the Guide

[D. CAROLIN JENIBA RAHEL]


Signature of the Co-ordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Principal
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Examiner

DECLARATION

I do hereby declare that the project entitled **"PHOTOCATALYTIC ACTIVITY OF GREEN SYNTHESIZED TITANIUM DIOXIDE NANOPARTICLES USING MANILKARA ZAPOTA LEAVES EXTRACT AND ITS CHARACTERISATION"** submitted for the degree of Master of Science in Chemistry is my original work carried out under the guidance of **Mrs. D. Carolin Jeniba Rachel M.Sc., SET., M.Phil, Assistant Professor, PG Department of Chemistry (SSC), St. Mary's College (Autonomous), Thoothukudi** and that it has not previously formed the basis for award of any Degree.

Station: Thoothukudi

Date : 25.10.2019

V. Shenbagavalli.
V.SHENBAGAVALLI

**SUPER PARAMAGNETIC FERRIHYDRITE
NANOPARTICLES SYNTHESIS ASSISTED BY
REVERSE MICELLES**

A project submitted to

ST. MARY'S COLLEGE (Autonomous), Thoothukudi

Affiliated to

Manonmaniam Sundaranar University,

Tirunelveli

In partial fulfilment of the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

J.VAISHNAVI

Reg. No:18SPCH16

Under the Supervision and Guidance of

Mrs.K.SARAVANADEVI M.Sc., M.Phil., SET.,



PG DEPARTMENT OF CHEMISTRY (SSC)

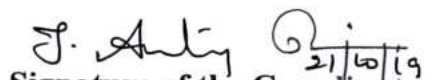
St. Mary's College (Autonomous), Thoothukudi

October - 2019


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This is to certify that this project work entitled **"SUPER PARAMAGNETIC FERRIHYDRITE NANOPARTICLES SYNTHESIS ASSISTED BY REVERSE MICELLES"** is submitted to **ST. MARY'S COLLEGE (Autonomous), Thoothukudi** affiliated to **Manonmaniam Sundaranar University, Tirunelveli** in partial fulfilment for the award of the **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** and this work done during the year **2019 - 2020** by **J.VAISHNAVI (Reg. No: 18SPCH16)**


Signature of the Guide


Signature of the Coordinator


Signature of the Director
Director
Self Supporting Courses
St. Mary's College (Autonomous)
Thoothukudi - 628 001.


Signature of the Principal
Principal
St. Mary's College (Autonomous)
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Station: Thoothukudi

Date : 25.10.19.

J. Vaishnavi
J. VAISHNAVI