

**SYNTHESIS CHARACTERIZATION AND APPLICATIONS OF
SILVER NANOPARTICLES USING *AZADIRACTAINDICA* LEAF
EXTRACT**

A project report submitted by

Manonmaniam Sundaranar University

In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

G.ABISHA

(REG NO : 20213092504201)

Under the guidance of

Mrs. A. Asha M.Sc., M.Phil., Ph.D

ASSISTANT PROFESSOR



DEPARTMENT OF CHEMISTRY


MUSLIM ARTS COLLEGE

THIRUVITHANCODE-629 174

2022-2023

BONAFIDE CERTIFICATE

This thesis entitled " SYNTHESIS CHARACTERIZATION AND APPLICATIONS OF SILVER NANOPARTICLES USING AZADIRACTAINDICA LEAF EXTRACT " Submitted by G.ABISHA for the award of Master of Science in, Chemistry in, Muslim Arts College, affiliated to Manonmaniam Sundaranar University is record of research work done by her and it has not been submitted for the award of any degree, diploma, and associate ship, fellowship of any university or Institution.



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DEPARTMENT OF CHEMISTRY
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THIRUVITHANCODE.

1. S. Betsy Bari
11/5/2023.
2. 

PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL
ACTIVITY OF THE PLANT PIPER LONGUM

A project report submitted by

Manonmaniam Sundaranar University

In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE

IN

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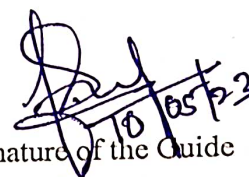
Thesis entitled "PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF THE MEDICINAL PIPER LONGUM" Submitted by ANGELIN SHEEBA.R for the Award of Master of science in Chemistry in, Muslim Arts College, affiliated to Manonmaniam Sundaranar University is record of research work done by her and it has not been submitted for the Award of any degree, diploma, and associateship, fellowship of any university or Institution.



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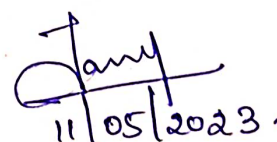
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11/05/2023.

**PHYTOCHEMICAL AND SPECTRAL ANALYSIS OF
BETEL LEAF EXTRACT**

A project report submitted by

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In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

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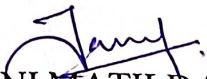
MUSLIM ARTS COLLEGE

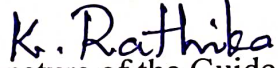
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BONAFIDE CERTIFICATE



This thesis entitled " PHYTOCHEMICAL SUDY ON BETEL LEAF EXTRACT " Submitted by M.BABISHA for the award of Master of Science in, Chemistry in, Muslim Arts College, affiliated to Manonmaniam Sundaranar University is record of research work done by her and it has not been submitted for the award of any degree, diploma, and associateship, fellowship of any university or Institution.


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1. 
11/5/2023.
2. 
11/5/2023

**PHYTOCHEMICAL AND SPECTRICAL ANALYSIS OF
PIPER NIGRUM PLANT LEAF EXTRACT**

A project report submitted by Manonmaniam Sundaranar University

In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

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This thesis entitled " PHYTOCHEMICAL AND SPECTRICAL ANALYSIS OF PIPER NIGRUM PLANT LEAF EXTRACT" Submitted by BELLARMIN DASNAVIS .J for the award of Master of Science in Chemistry, Muslim Arts College, affiliated to Manonmanium Sundaranar University is record of research work done by her and it has not been submitted for the award of any degree, diploma, and associateship, fellowship of any university or Institution.



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1.  11/5/2023.

2. 

**SYNTHESIS CHARACTERIZATION AND APPLICATION
OF SILVER NANO PARTICLES
USING OCIMUM TENUIFLORUM LEAF EXTRACT**

A project report submitted by

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

MASTER OF SCIENCE

IN

CHEMISTRY

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This thesis entitled " **SYNTHESIS CHARACTERIZATION AND APPLICATIONS OF SILVER NANOPARTICLES USING OCIMUM TENUIFLORUM LEAF EXTRACT**" Submitted by BJ BENISHMA for the award of Master of Science in, Chemistry in, Muslim Arts College, affiliated to Manonmaniam Sundaranar University is record of research work done by her and it has not been submitted for the award of any degree, diploma, and associateship, fellowship of any university or Institution.


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EXTERNAL EXAMINER

1. *Beeti Bai*

2. 

**SYNTHESIS AND CHARACTERIZATION OF SILVER
NANOPARTICLES USING PLANT EXTRACT OF JUSTICIA
ADHATODA AND CENTELLA ASIATICA**

A Project Report Submitted to

MANONMANIUMSUNDARNAR UNIVERSITY

in partial fulfillment of the requirement for the award degree of

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Submitted by

DHANYA S V

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UNDER THE GUIDANCE OF

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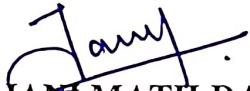
DEPARTMENT OF CHEMISTRY

MUSLIM ARTS COLLEGE THIRUVITHANCODE – 629174

April - 2023

BONAFIDE CERTIFICATE

Certified that this project entitled "SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING PLANT EXTRACT OF JUSTICIA ADHATODA AND CENTELLA ASIATICA" is a project work of who carried out S.V.Dhanya my supervision. Certified further that to the best of my knowledge the work reported here in does not from part of any other project or dissertation on the basis of which a degree or reward was conferred on an either occasion on this or any other candidate.


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Place : Thiruvithancode

Date: 11 - 05 - 2023

EXTERNAL EXAMINERS

1. 
11/5/2023

2. 
11/05/2023

**SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF
NICKEL (II) SCHIFF BASE METAL COMPLEX FROM SALICYLALDEHYDE
AND ANILINE**

A project report submitted by Manonmaniam Sundaranar University In partial fulfillment
of the requirements for award of degree of

**MASTER OF SCIENCE
IN
CHEMISTRY**

Submitted by
LOURDU MARY, J
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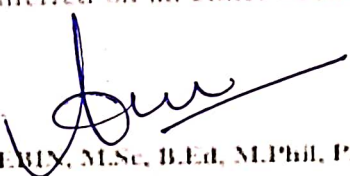
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2023

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Certified that this project entitled "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF Ni(II) SCHIFF BASE METAL COMPLEX FROM SALICYLALDEHYDE AND ANILINE" is a bonafide work of who carried out LOURDU MARY. J the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project or dissertation on the basis of which a degree or award was conferred on an either occasion on this or any other candidate.


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Place: Thiruvithancode

Date: 11. 05. 2023

EXTERNAL EXAMINERS

1. Betsy bai

2. 

**PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL
ACTIVITY ON *Manihot esculenta crantz***

*A project report submitted by
Manonmaniam Sundaranar University
In partial fulfillment of the requirements for award of degree of*

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

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(REG NO : 20213092504208)

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DEPARTMENT OF CHEMISTRY


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2023

BONAFIDE CERTIFICATE


Certified that this project entitled "PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY ON *MANIHOT ESCULENTA CRANTZ*" is a bonafide work of who carried out J. MONIHA the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in does not from part of any other project or dissertation on the basis of which a degree or award was conferred on an either occassion on this or any other candidate.


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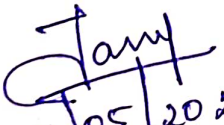
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EXTERNAL EXAMINERS

1. *S. Betsy Bai* 11/5/2023

2. 
11/05/2023

**PHYTOCHEMICAL SCREENING AND
ANTIBACTERIAL ACTIVITY ON *Citrus Limon .L***

*A Project report submitted by Manonmaniam Sundaranar University, Tirunelveli
in partial fulfillment of the requirement for award of degree of*

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

J. MURSHITHA BEEVI

Reg.No: 20213092504209

Under the Guidance of

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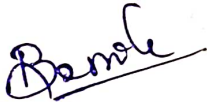
THIRUVITHANCODE -629174

April - 2023

BONAFIDE CERTIFICATE

Certified that the project entitled "PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY ON *Citrus Limon .L*" is a bonafide work of who carried out **J. Murshitha Beevi** the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in does not from part of any other project or dissertation on the basis of which a degree or award was conferred on an either occasion on this or any other candidate.


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Place : Thiruvithancode

Date : 11/05/2023

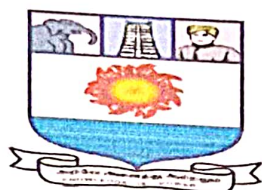
EXTERNAL EXAMINERS

1. S. Betsy Bani 11/5/2023.

2. Jani

PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY
OF THE MEDICINAL PLANT SCOPARIA DULCIS

A project report submitted to
Manonmaniam Sundaranar University



In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

NISHE BRINTHA J

(REG NO : 20213092504210)

Under the guidance of

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PIN : 629174

May 2023

BONAFIDE CERTIFICATE

Thesis entitled "PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF THE SCOPARIA DULCIS" Submitted by NISHE BRINTHA.J for the Award of Master of science in Chemistry, Muslim Arts College, Thiruvithancode affiliated to Manonmaniam Sundaranar University is record of research work done by her and it has not been submitted for the Award of any degree, diploma, and associateship, fellowship of any university or Institution.

Mrs.J.JANI MATILDA

Head of Department of chemistry

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MUSLIM ARTS COLLEGE
THIRUVITHANCODE.

Signature of the Guide

Dr.J.Arul Hency Sheela

Assistant Professor

External Examiners

1. S. Betsy Bai
15/5/2023.

2.

**A STUDY OF ECO-FRIENDLY INDICATORS PREPARED
FROM NATURAL FLOWERS AND VEGETABLES FOR
ACID - BASE TITRATIONS**

Dissertation submitted to
Manonmaniam Sundaranar University, Tirunelveli in partial fulfillment of
the requirements for the Degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

X. STEPHY MECHADO

(Reg.No.20213092504212)

Under the Guidance of

Dr. JANI METTILDA

Head of the Department of Chemistry



DEPARTMENT OF CHEMISTRY

MUSLIM ARTS COLLEGE

THIRUVITHANCODE

CERTIFICATE

CERTIFICATE

This is to certify this project work entitled, " A STUDY OF ECO - FRIENDLY INDICATORS PREPARED FROM NATURAL FLOWERS AND VEGETABLES FOR ACID - BASE TITRATIONS " Submitted to Manonmaniam Sundaranar University in partial fulfillment of the requirements for the award of the Degree of Master of Science in chemistry by X. Stephy Mechado during the year 2023.


Head of the Department

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Submitted for the project viva held on...11/05/23.....


Supervisor/Guide

Dr. Jani Mattilda,
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External Examiner

1.  11/5/2023

2.

**SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF
NICKEL-BIS DIMETHYL GLYOXIME COMPLEX**

A project report submitted by

Manonmaniam Sundaranar University

In partial fulfillment of the requirements for award of degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

VINCY.B

Reg.No. 20213092504213

Under the Supervision of

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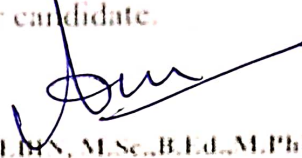
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2023

BONAFIDE CERTIFICATE

Certified that this project entitled "SYNTHESIS, CHARACTERIZATION AND APPLICATION OF NICKEL-BIS DIMETHYLE GLYOXIME COMPLEX" is a bonafide work of who carried out VINCY.B the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in does not from part of any other project or dissertation on the basis of which a degree or award was conferred on an either occasion on this or any other candidate.


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Project Supervisor
Assistant Professor,
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Place: Thiruvithancode

Date: 11.05.2022

EXTERNAL EXAMINERS

1. 

2. 