



MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Affiliated to Periyar University, Salem.


Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956
Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

DEPARTMENT OF CHEMISTRY

Students Undertaking Field Projects / Internships / In-plant Training / Student Projects

Programme : M.Sc. Chemistry

S. No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
1	19MCH1001	GOKULRAJ A	-	-	-	✓
2	19MCH1002	JEEVANANDHAN G	-	-	-	✓
3	19MCH1003	KABILAN S	-	-	-	✓
4	19MCH1004	MOHANAVEL B	-	-	-	✓
5	19MCH1005	NISHANTH M	-	-	-	✓
6	19MCH1006	PONNAMPALAM P	-	-	-	✓
7	19MCH1007	PRAVEEN M	-	-	-	✓
8	19MCH1008	RAJESHKANNAN R	-	-	-	✓
9	19MCH1009	SATHISH S	-	-	-	✓
10	19MCH1010	SRINATH S	-	-	-	✓
11	19MCH1011	VENKATESH R	-	-	-	✓
12	19MCH1012	VIGNESH M	-	-	-	✓
13	19MCH1013	VINITHKUMAR M	-	-	-	✓
14	19MCH1014	YOGESHWARAN M	-	-	-	✓
15	19MCH1015	ABERNA S T	-	-	-	✓
16	19MCH1016	GAYATHRIDEVI K	-	-	-	✓
17	19MCH1017	INDUJA G	-	-	-	✓
18	19MCH1019	MATHUBALA S	-	-	-	✓
19	19MCH1020	ROJA G V	-	-	-	✓
20	19MCH1021	SOWMIYA R	-	-	-	✓


Head of the Department
HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE,
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)


Principal
PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE,
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)



MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956
Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

DEPARTMENT OF CHEMISTRY

List of students completed projects - 2020 - 2021

Programme : M.Sc. Chemistry

S.No.	Register No.	Name of the Student	Title of the Project
1	19MCH1001	GOKULRAJ A	Moringa oleifera leaf extract as effective corrosion inhibitor for mild steel in presence of different acidic conditions.
2	19MCH1002	JEEVANANDHAN G	Interpretation of phytochemical and identification of antimicrobial activities in natural averrhoa bilimbi extract.
3	19MCH1003	KABILAN S	Study on Phytochemical and Anti-Microbial Activities Present in Phyllanthus emblica.
4	19MCH1004	MOHANAVEL B	Investigation of corrosion inhibition effectively on mild Steel using Aegle marmelos bark in 1ml HCl solution
5	19MCH1005	NISHANTH M	Investigation on Green synthesized ZnO nano particles as promising drug delivery
6	19MCH1006	PONNAMPALAM P	Fabrication of TiO ₂ -FHA/Pcl-GO based bioactive multifunctional coatings with enhanced mechanical, antibacterial and corrosion resistance properties.
7	19MCH1007	PRAVEEN M	Interaction of 1-(4-Phenoxy phenylazo) Naphthol with Iron metal complex & Microbial activity.
8	19MCH1008	RAJESHKANNAN R	Interaction of 1-(4-Phenoxy phenylazo) Naphthol with Copper metal complex & Microbial activity.
9	19MCH1009	SATHISH S	Preparation and characterization of zinc oxide nano particles its applied photocatalysed activated antioxide and bacterial activity
10	19MCH1010	SRINATH S	Photosensitized light degradation by PANI coated TiO ₂ on Textile azo dye
11	19MCH1011	VENKATESH R	Fabrication of Bio polymers reinforced TNT /go coatings on Ti alloy with enhanced corrosion Resistance
12	19MCH1012	VIGNESH M	Greener Oxidants on Photocatalytic Dye Degradation Application.

S.No.	Register No.	Name of the Student	Title of the Project
13	19MCH1013	VINITHKUMAR M	Synthesis, invitro screening of mannich base of naphthalen-2-ol derivative
14	19MCH1014	YOGESHWARAN M	Synthesis, characterization and biological studies of Schiff base Co (II) & Ni (II) complexes
15	19MCH1015	ABERNA S T	In silico characterization of scorpio venom associated protein.
16	19MCH1016	GAYATHRIDEVI K	Synthesis and characterization of new mentronidazole derivatives.
17	19MCH1017	INDUJA G	Silica supported transition metal complex for catalytic coupling reactions
18	19MCH1019	MATHUBALA S	synthesis , invitro screening of mannich bases of Semicarbazide derivatives
19	19MCH1020	ROJA G V	Synthesis,Spectral characterization of Transition metal complex and their biological applications
20	19MCH1021	SOWMIYA R	Tethering of Schiff base metal complexes on mesoporous Mcm-41; catalyst for photocatalytic activity

Head of the Department
HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)

Principal
PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**MORINGA OLEIFERA LEAF EXTRACT AS EFFECTIVE CORROSION
INHIBITOR FOR MILD STEEL IN PRESENCE OF DIFFERENT ACIDIC
CONDITIONS**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

A. GOKULRAJ

(Reg. No: 19MCH1001)

Under the guidance and supervision of

Dr. N. KALAIARASI, M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

JULY-2021

PRINCIPAL

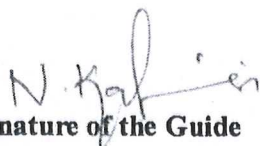
**MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)**

Kalippatti (PO) - 637 501, Namakkal (DT)

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

CERTIFICATE

This is to certified that the project report entitled "MORINGA OLEIFERA LEAF EXTRACT AS EFFECTIVE CORROSION INHIBITOR FOR MILD STEEL IN PRESENCE OF DIFFERENT ACIDIC CONDITIONS" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by A. GOKULRAJ (Reg. No: 19MCH1001) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

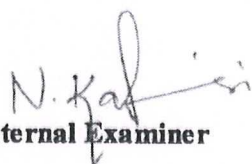


Signature of the Guide
Dr. N. KALAIARASI,
M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Chemistry



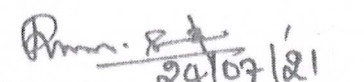
Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021



Internal Examiner

External Examiner



HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (DT)



PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

**INTERPRETATION OF PHYTOCHEMICAL AND
IDENTIFICATION OF ANTIMICROBIAL ACTIVITIES IN
NATURAL AVERRHOA BILIMBI EXTRACT**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

**MASTER OF SCIENCE
IN
CHEMISTRY**

Submitted by

G. JEEVANANDHAN

(Reg. No: 19MCH1002)

Under the guidance and supervision of
Mr. R. BALASUBRAMANIAN, M.Sc. M.Phil.
Assistant Professor


Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

**MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)**

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt)


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

JULY-2021


**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)**

CERTIFICATE

This is to certified that the project report entitled “ INTERPRETATION OF PHYTOCHEMICAL AND INDENTIFICATION OF ANTIMICROBIAL ACTIVITIES IN NATURAL AVERRHOA BILIMBI EXTRACT” submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti – 637501, in partial fulfillment of the requirements for the award of the degree of MasterofScienceinChemistry is bonafide research work carried out by G.JEEVANANDHAN(Reg. No.:19MCH1002) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of thecandidate.

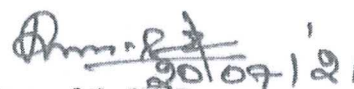


Signature of the Guide

R. BALASUBRAMANIAN. M.Sc., M.Phil

Assistant professor

PG & Research Department of chemistry



Signature of the HOD

R. SELVA KUMAR, M.Sc., B.Ed., M.Phil., (Ph.D.),

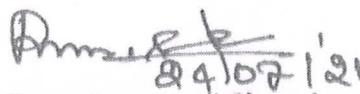
Assistant Professor & Head

PG & Research Department of Chemistry



Internal Examiner

External Examiner



HOD, Department of Chemistry, MAHENDRA ARTS & SCIENCE COLLEGE
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)



PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**STUDY ON PHYTOCHEMICAL AND ANTI-
MICROBIAL ACTIVITIES PRESENT IN
PHYLLANTHUS EMBLICA**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

**MASTER OF SCIENCE
IN
CHEMISTRY**

Submitted by

S. KABILAN

(Reg. No: 19MCH1003)

Under the guidance and supervision of

Dr. K. MAHESH, M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY


MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

JULY-2021


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**


**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)**

CERTIFICATE

This is to certified that the project report entitled **Study On Phytochemical and Anti-Microbial Activities Present in Phyllanthus emblica.** submitted to the **Mahendra Arts & Science College (Autonomous), Kalippatti - 637501,** in partial fulfillment of the requirements for the award of the degree of **Master of Science in Chemistry** is bonofide research work carried out by **S. KABILAN (Reg. No: 19MCH1003)** under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

K. Mahesh

Signature of the Guide
Dr. K. MAHESH
M.Sc., M.Phil., Ph.D.
Assistant Professor
Department of Chemistry

R. Selva Kumar

Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2020

[Signature]
Internal Examiner

External Examiner

[Signature]
HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (DT)

[Signature]
PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

**INVESTIGATION OF CORROSION INHIBITION EFFECTIVELY
ON MILD STEEL USING AEGLE MARMELES BARK IN 1ml HCL
SOLUTION**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE

IN CHEMISTRY

Submitted by

B. MOHANAVEL

(Reg. No.: 19MCH1004)

Under the guidance and supervision of

Dr. N. KALAIARASI, M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

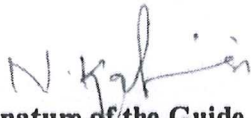
JULY -2021

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled "INVESTIGATION OF CORROSION INHIBITION EFFECTIVELY ON MILD STEEL USING AEGLE MARMELES BARK IN 1ml HCL SOLUTION" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by B.MOHANAVEL (Reg.No:19MCH1004) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

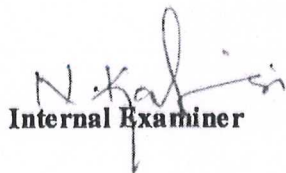


Signature of the Guide
Dr. N. KALAIARASI,
M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Chemistry



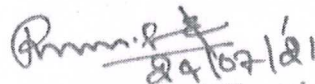
Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021



Internal Examiner

External Examiner



HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (DT).



PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

INVESTIGATION ON GREEN SYNTHESIZED ZnO NANOPARTICLES AS PROMISING DRUG DELIVERY

Project report submitted to the Mahendra Arts & Science College (Autonomous)

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

M.NISHANTH

(Reg. No.: 19MCH1005)

Under the guidance and supervision of

Mr. R. BALASUBRAMANIAN, M.Sc., M.Phil.

Assistant Professor
Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).



HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)

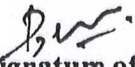
JULY-2021




PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

CERTIFICATE

This is to certified that the project report entitled "INVESTIGATION ON GREEN SYNTHESIZED ZNO NANOPARTICLES AS PROMISING DRUG DELIVERY" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by M.NISHANTH (Reg.No: 19MCH1005) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.


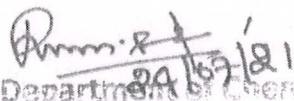

Signature of the Guide
Mr. R. BALASUBRAMANIAN
M.Sc., M.Phil.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2021


Internal Examiner

External Examiner


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal - 637 501

**FABRICATION OF TiO₂-FHA /PCL-GO BASED BIOACTIVE
MULTIFUNCTIONAL COATINGS WITH ENHANCED
MECHANICAL, ANTIBACTERIAL AND CORROSION
RESISTANCE PROPERTIES**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in
partial fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

P. PONNAMPALAM

(Reg. No: 19MCH1006)

Under the guidance of

Ms. K. BHARATHI, M.Sc., M.Phil.,

**Assistant Professor
Department of Chemistry**




PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt).

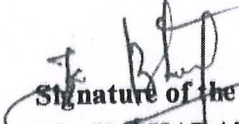

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)**

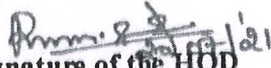
JULY-2021


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

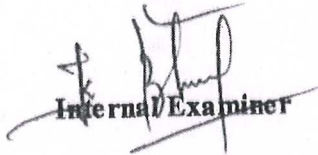
CERTIFICATE

This is to certified that the project report entitled "FABRICATION OF TIO₂-FHA / PCL-GO BASED BIOACTIVE MULTIFUNCTIONAL COATINGS WITH ENHANCED MECHANICAL, ANTIBACTERIAL AND CORROSION RESISTANCE PROPERTIES" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by P.PONNAMPALAM (Reg.No: 19MCH1006) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

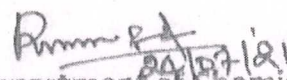

Signature of the Guide
Ms. K. BHARATHI
M.Sc., M.Phil.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

***INTERACTION OF 1-(4 - PHENOXYPHENYL AZO)NAPHTHOL
WITH IRON METAL COMPLEX AND MICROBIAL ACTIVITY***

Project report submitted to the Mahendra Arts & Science College (Autonomous)

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

M. PRAVEEN

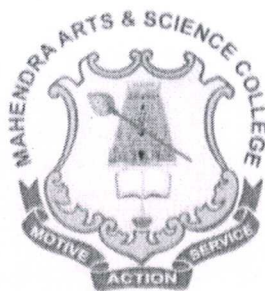
(Reg. No.: 19MCH1007)

Under the guidance and supervision of

Mr. R. SELVAKUMAR, M.Sc., M.Phil., B.Ed., (Ph.D).

Assistant Professor & Head

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

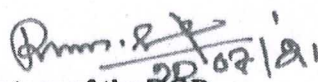
JULY-2021

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

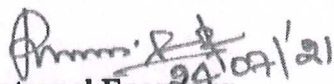
CERTIFICATE

This is to certified that the project report entitled "INTERACTION OF 1-(4-PHENOXY PHENYLAZO) NAPHTHOL WITH IRON METAL COMPLEX AND MICROBIAL ACTIVITY " submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by M. PRAVEEN (Reg. No.: 19MCH1007) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

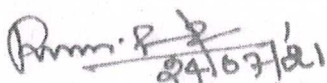

Signature of the Guide
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**INTERACTION OF 1-(4-PHENOXYPHENYLAZO) NAPHTHOL
WITH COPPER METAL COMPLEX AND MICROBIAL ACTIVITY**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

R. RAJESHKANNAN

(Reg. No.: 19MCH1008)

Under the guidance and supervision of

Mr. R. SELVAKUMAR, M.Sc., M.Phil., B.Ed., (Ph.D).

**Assistant Professor & Head
Department of Chemistry**



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)**

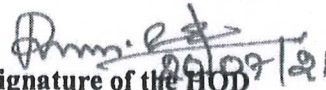
JULY-2021

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

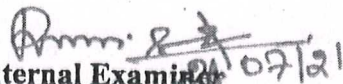
CERTIFICATE

This is to certified that the project report entitled "INTERACTION OF 1-(4-PHENOXY PHENYLAZO) NAPHTHOL WITH COPPER METAL COMPLEX AND MICROBIAL ACTIVITY" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by R. RAJESHKANNAN (Reg.No.19MCH1008) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

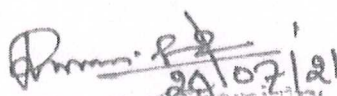

Signature of the Guide
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**PREPARATION AND CHARACTERISTIC ZNO, NANOPARTICLE
ITS APPLIED PHOTOCATALYST ACTIVATED ANTIOXIDANT
AND BACTERIAL ACTIVITY**

Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

S. SATHISH

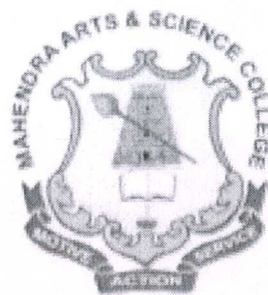
(Reg. No.: 19MCH1009)

Under the guidance and supervision of

Dr. M. SARANYA, M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

JULY-2021

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

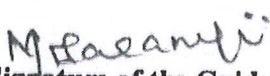
PRINCIPAL


**MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)**

Kalippatti (PO) - 637 501, Namakkal (Dt)

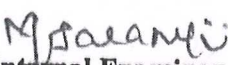
CERTIFICATE

This is to certified that the project report entitled "PREPARATION AND CHARACTERISTIC ZNO, NANOPARTICLE ITS APPLIED PHOTOCATALYST ACTIVATED ANTIOXIDANT AND BACTERIAL ACTIVITY' submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by S. SATHISH (Reg.No:19MCH1009) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

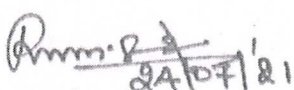

Signature of the Guide
Dr. M. SARANYA
M.Sc., M.Phil., PhD.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO), Kalipattur (DT)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

**PHOTOSENSITIZED LIGHT DEGRADATION BY PANI COATED
TiO₂ ON TEXTILE AZO DYE**

Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

S. SRINATH

(Reg. No.: 19MCH1010)

Under the guidance and supervision of

Dr. M. SARANYA, M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Chemistry



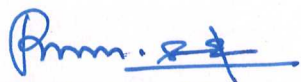
PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).



**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

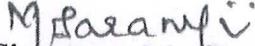
JULY-2021




PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

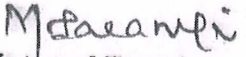
CERTIFICATE

This is to certified that the project report entitled "PHOTOSENSITIZED LIGHT DEGRADATION BY PANI COATED TiO₂ ON TEXTILE AZO DYE" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by S. SRINATH (Reg.No:19MCH1010) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

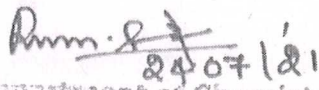

Signature of the Guide
Dr. M. SARANYA
M.Sc., M.Phil., PhD.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal, DT


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

**FABRICATION OF BIOPOLYMERS REINFORCED TNT/GO COATINGS
ON TI ALLOY WITH ENHANCED CORROSION RESISTANCE**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in
partial fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

R. VENKATESH

(Reg. No. 19MCH1011)

Under the guidance of

**Ms. K. BHARATHI, M.Sc., M.Phil.,
Assistant Professor**



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt)

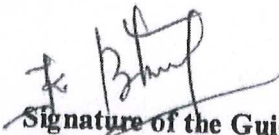
JULY-2021

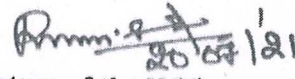
**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)**

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

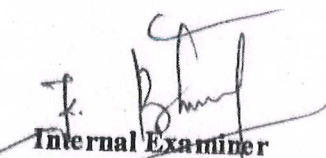
CERTIFICATE

This is to certified that the project report entitled "FABRICATION OF BIOPOLYMERS REINFORCED TNT/GO COATINGS ON TI ALLOY WITH ENHANCED CORROSION RESISTANCE" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by R.VENKATESH (Reg.No: 19MCH1011) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents represents independent work on the part of the candidate.

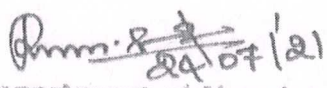

Signature of the Guide
Ms. K. BHARATHI
M.Sc., M.Phil.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D),,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (D)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

***EFFECT OF GREENER OXIDANTS ON PHOTOCATALYTIC DYE
DEGRADATION TiO₂ AND W,N CO-DOPED TiO₂ USED FOR THE
PHOTOCATALYTIC STUDIES WERE SYNTHESIZED IN
SOL-GEL METHOD***

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

M. VIGNESH

(Reg. No.: 19MCH1012)

Under the guidance and supervision of

Mr. R. SELVA KUMAR, M.Sc., M.Phil., B.Ed., (Ph.D).

Assistant Professor & Head

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY


MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

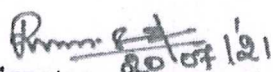
JULY-2021


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

CERTIFICATE

This is to certified that the project report entitled "EFFECT OF GREENER OXIDANTS ON PHOTOCATALYTIC DYE DEGRADATION TIO₂ AND W,N CO-DOPED TIO₂ USED FOR THE PHOTOCATALYTIC STUDIES WERE SYNTHESIZED IN SOL-GEL METHOD" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by M. VIGNESH (Reg.No: 19MCH1012) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

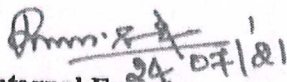

20/07/21

Signature of the Guide
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry


20/07/21

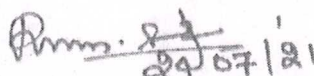
Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


24/07/21

Internal Examiner

External Examiner


24/07/21

HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)



PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**SYNTHESIS, CHARACTERIZATION OF MANNICH BASE
1-4-METHYLPIPERAZIN-1-YL(BENZYL)METHYL NAPHTHALEN-2-OL(PBN)**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in
partial fulfillment of the requirements for the award of the degree of*

**MASTER OF SCIENCE
IN
CHEMISTRY**

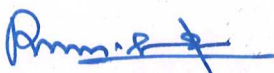
Submitted by
M.VINITHKUMAR
(Reg. No: 19MCH1013)

Under the guidance and supervision of
Dr. K. MAHESH, M.Sc., M.Phil., Ph.D.
Assistant Professor




**PG & RESEARCH DEPARTMENT OF CHEMISTRY
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)**

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt).

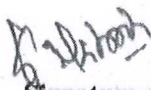

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

JULY-2021

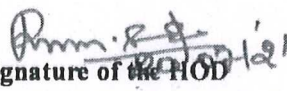

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

CERTIFICATE

This is to certified that the project report entitled "SYNTHESIS, CHARACTERIZATION OF MANNICH BASE 1-4-METHYLPYPERAZIN-1-Y1(BENZYL)METHYL NAPHTHALEN-2-OL(PBN)" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by M.VINITHKUMAR (Reg.No: 19MCH1013) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

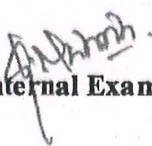


Signature of the Guide
Dr. K.MAHESH
M.Sc., M.Phil., Ph.D.
Assistant Professor
Department of Chemistry



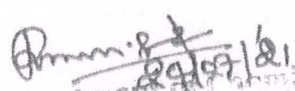
Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2021



Internal Examiner

External Examiner



HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt).



PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

**SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL STUDIES OF
Co(II) AND Ni(II) COMPLEXES**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial fulfillment of
the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

M. YOGESHWARAN
(Reg. No.: 19MCH1014)

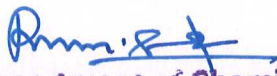
Under the guidance and supervision of
Dr. K. MAHESH, M.Sc., M.Phil., Ph.D.
Assistant Professor



**PG & RESEARCH DEPARTMENT OF CHEMISTRY
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)**

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt).

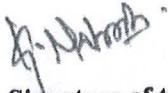
JULY-2021


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

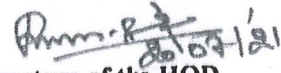

**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)**

CERTIFICATE

This is to certify that the project report entitled "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL STUDIES OF CO(II) AND NI(II) COMPLEXES" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by M.YOGESHWARAN (Reg.No:19MCH1014) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

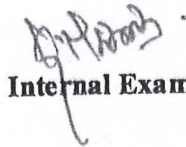


Signature of the Guide
Dr. K. MAHESH
M.Sc., M.Phil., Ph.D.
Assistant Professor
Department of Chemistry



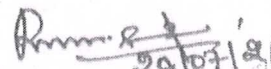
Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2020



Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**IN SILICO CHARACTERIZATION OF SCORPION
VENOM
ASSOCIATED PROTEIN**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

S.T. ABERNA

(Reg. No.: 19MCH1015)

Under the guidance and supervision of

Ms. K. BHARATHI, M.Sc., M.Phil.

Assistant Professor

Department of Chemistry



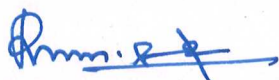
PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

**(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)
Kalippatti (Po) - 637 501, Namakkal (Dt).**

JULY-2021



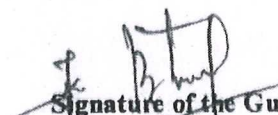
**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

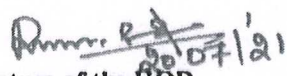


**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)**

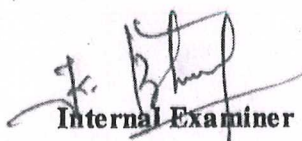
CERTIFICATE

This is to certified that the project report entitled "IN SILICO CHARACTRIZATION OF SCORPION VENOM ASSOCIATED PROTEIN" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by S.T. ABERNA (Reg.No: 19MCH1015) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

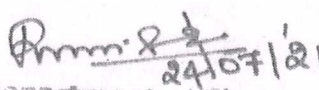

Signature of the Guide
Ms. K. BHARATHI
M.Sc., M.Phil.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (DT).


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

**SYNTHESIS AND CHARACTERISATION OF NEW
MENTRONIDAZOLE DERIVATIVES**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

K. GAYATHRI DEVI

(Reg.No: 19MCH1016)

Under the guidance and supervision of

Mr. R. SELVA KUMAR, M.Sc., B.Ed., M.Phil., (Ph.D).

Assistant Professor

Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY


MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

(Accredited with 'A' Grade by NAAC & Affiliated to Periyar University)

Kalippatti (Po) - 637 501, Namakkal (Dt).

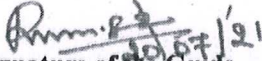
JULY-2021



**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**


**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)**

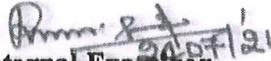
CERTIFICATE

This is to certified that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF NEW MENTRONIDAZOLE DERIVATIVES" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by K. GAYATHRI DEVI (Reg.No: 19MCH1016) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

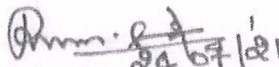

Signature of the Guide
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry



Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

SILICA SUPPORTED TRANSITION METAL COMPLEX FOR CATALYTIC COUPLING REACTIONS

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE
IN
CHEMISTRY

Submitted by

G. INDUJA

(Reg. No: 19MCH1017)

Under the guidance and supervision of

Dr. M. SARANYA, M.Sc., M.Phil., Ph.D.

Assistant Professor
Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

JULY-2021



PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

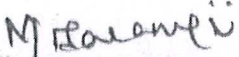
Kalippatti (PO) - 637 501, Namakkal (Dt)

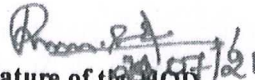


**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

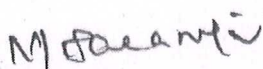
CERTIFICATE

This is to certified that the project report entitled "SILICA SUPPORTED TRANSITION METAL COMPLEX FOR CATALYTIC COUPLING REACTIONS" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by G. INDUJA (Reg.No:19MCH1017) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

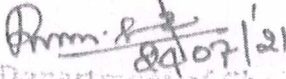

Signature of the Guide
Dr. M. SARANYA
M.Sc., M.Phil., PhD.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR
M.Sc., B.Ed., M. Phil., (Ph.D).,
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO), Namakkal (DT)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

SYNTHESIS, INVITRO SCREENING OF (E)-2-(5-BROMO-2-HYDROXY-4-METHYLBENZYLIDENE) HYDRAZINE CARBOXAMIDE(MBHC)

Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by
S.MATHUBALA
(Reg. No.: 19MCH1019)

Under the guidance and supervision of
Dr. N. KALAIARASI, M.Sc., M.Phil., Ph.D.
Assistant Professor
Department of Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)

JULY-2021

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO.) - 637 501, Namakkal (Dt.)

HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)

CERTIFICATE

This is to certified that the project report entitled "SYNTHESIS, INVITRO SCREENING OF (E)-2-(5-BROMO-2-HYDROXY-4-METHYLBENZYLIDENE)HYDRAZINECARBOXAMIDE (MBHC)" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637 501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by S. MATHUBALA (Reg. No.: 19MCH1019) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

N. Kalaiarasi

Signature of the Guide
Dr. N. KALAIARASI,
M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Chemistry

R. Selva Kumar

Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021

N. Kalaiarasi
Internal Examiner

External Examiner

R. Selva Kumar

Department of Chemistry
Mahendra Arts & Science College
Kalippatti (PO.), Namakkal (Dt.)

Raj

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

**ELECTRICAL PROPERTIES AND BIOLOGICAL ACTIVITY OF SCHIFF
BASE METAL COMPLEXES DERIVED FROM SALICYLALDEHYDE**

*Project report submitted to the Mahendra Arts & Science College (Autonomous) in partial
fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted by

G.V. ROJA

(Reg. No :19MCH1020)

Under the guidance and supervision of

Mr. R. BALASUBRAMANIAN., M.Sc., M.Phil.

Assistant Professor



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

JULY-2021

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

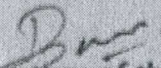
(Autonomous)


Kalippatti (PO) - 637 501, Namakkal (DT)

**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE,
Kalippatti (PO.), Namakkal (Dt.)**

CERTIFICATE

This is to certified that the project report entitled "ELECTRICAL PROPERTIES AND BIOLOGICAL ACTIVITY OF SCHIFF BASE METAL COMPLEXES DERIVED FROM SALICYLALDEHYDE" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti – 637501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried from G.V. ROJA (Reg.No: 19MCH1020) under my guidance and supervision and it has not formed the basis for the award any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

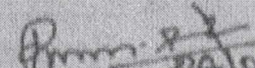

Signature of the Guide
Mr. R. BALASUBRAMANIAN
M.Sc., M.Phil.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR,
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24-07-2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippattu (PO.), Namakkal (DL)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippattu - 637501, Namakkal (DT)

***TETHERING OF SCHIFF BASE METAL COMPLEX ON
MESOPOROUS MCM-41;
CATALYST FOR MIMICKING ACTIVITY***

*Project report submitted to the Mahendra Arts & Science College (Autonomous)
in partial fulfillment of the requirements for the award of the degree of*

MASTER OF SCIENCE
IN
CHEMISTRY

Submitted by

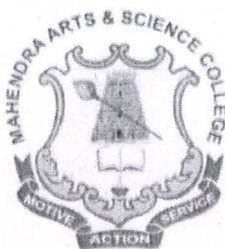
R. SOWMIYA

(Reg. No: 19MCH1021)

Under the guidance and supervision of

Dr. R. REVATHI, M.Sc., Ph.D., SET

Assistant Professor



PG & RESEARCH DEPARTMENT OF CHEMISTRY

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

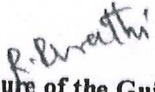
JULY-2021

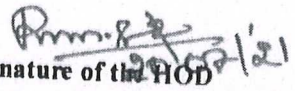
**HOD, Department of Chemistry,
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)**

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)

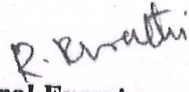
CERTIFICATE

This is to certify that the project report entitled "TETHERING OF SCHIFF BASE METAL COMPLEX ON MESOPOROUSMCM-41; CATALYST FOR MIMICKING ACTIVITY" submitted to the Mahendra Arts & Science College (Autonomous), Kalippatti - 637501, in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry is bonafide research work carried out by R. SOWMIYA (REG.NO: 19MCH1021) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate Ship, Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

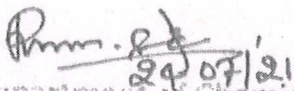

Signature of the Guide
Dr. R. REVATHI
M.Sc., PhD., SET.,
Assistant Professor
Department of Chemistry


Signature of the HOD
Mr. R. SELVA KUMAR
M.Sc., B.Ed., M. Phil., (Ph.D.),
Assistant Professor & Head
Department of Chemistry

Submitted for viva - voce examination held on 24.07.2021


Internal Examiner

External Examiner


HOD, Department of Chemistry
MAHENDRA ARTS & SCIENCE COLLEGE
Kalippatti (PO.), Namakkal (Dt.)


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt.)