

PROGRAMME NAME:M.SC., CHEMISTRY

COURSE NAME:PROJECT WORK

S.NO	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
1	19PCHPR1	2021-2022	Andrews Augustin Raj K
2	19PCHPR1	2021-2022	Dhanushkumar V
3	19PCHPR1	2021-2022	Dhina S
4	19PCHPR1	2021-2022	Hareesh M
5	19PCHPR1	2021-2022	Harikrishnan R
6	19PCHPR1	2021-2022	Mahendran N
7	19PCHPR1	2021-2022	Muthuselvan M
8	19PCHPR1	2021-2022	Nithish Kumar R
9	19PCHPR1	2021-2022	Prasanth S
10	19PCHPR1	2021-2022	Praveen Kumar N K
11	19PCHPR1	2021-2022	Sakthivel M
12	19PCHPR1	2021-2022	Sathish C
13	19PCHPR1	2021-2022	Sathiyamoorthi M
14	19PCHPR1	2021-2022	Settu A
15	19PCHPR1	2021-2022	Sivaprakash G
16	19PCHPR1	2021-2022	Sivaranjani M
17	19PCHPR1	2021-2022	Soundar Raj K
18	19PCHPR1	2021-2022	Sriram S
19	19PCHPR1	2021-2022	Sulakshan C
20	19PCHPR1	2021-2022	Tamilmani C
21	19PCHPR1	2021-2022	Thangaraj S
22	19PCHPR1	2021-2022	Thirumalaivasan M
23	19PCHPR1	2021-2022	Umashankar J
24	19PCHPR1	2021-2022	Utharamoorthi S
25	19PCHPR1	2021-2022	Vasanthakumar V
26	19PCHPR1	2021-2022	Velmurugan D
27	19PCHPR1	2021-2022	Vignesh P
28	19PCHPR1	2021-2022	Gandhimathi C
29	19PCHPR1	2021-2022	Logeswari G
30	19PCHPR1	2021-2022	Sangeetha S
31	19PCHPR1	2021-2022	Saranya T
32	19PCHPR1	2021-2022	Srimalar M
33	19PCHPR1	2021-2022	Vasuki S



**SYNTHESIS OF BETA - AMINO KETONE USING NOVEL
QUINOLINE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

K. ANDREWS AUGUSTIN RAJ

(Reg. No: 20PCH1600)

Under the Guidance of

Mr.C.JAYAKUMAR, M.Sc., B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr.C.JAYAKUMAR, M.Sc., B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS OF BETA - AMINO KETONE USING NOVEL QUINOLINE" submitted by K. ANDREWS AUGUSTIN RAJ (Reg. No: 20PCH1600) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

Head of the Department

K. Sakthivel
10/06/2022
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809

Signature of Guide

C. Jayakumar
09/06/22
C.JAYAKUMAR, M.Sc., B.Ed.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva-Voce Examination held on ...10/06/2022...

K. Sakthivel
10/06/22
INTERNAL EXAMINER

C. Jayakumar
10/06/22
EXTERNAL EXAMINER

**SYNTHESIS, ANTIBACTERIAL EVALUATION AND
SPECTROSCOPIC CHARACTERISATION OF THIO
CARBAZOLE DERIVATIVE N-(4-BROMOPHENYL)-2-
(4-TETRA-BUTYLBENZYLIDENE)
HYDRAZINECARBOTHIAMIDE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

V. DHANUSHKUMAR

(Reg. No: 20PCH1601)

Under the Guidance of

Mr, K. SAKTHIVEL, M.Sc.,M.Phil.B.Ed

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. K. SAKTHIVEL, M.Sc., M.Phil.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.




CERTIFICATE

This is to certify that this project entitled "SYNTHESIS, ANTIBACTERIAL EVALUATION AND SPECTROSCOPIC CHARACTERISATION OF THIO CARBAZOLE DERIVATIVE N-(4-BROMOPHENYL)-2-(4-TETRA-BUTYLBENZYLIDENE) HYDRAZINECARBOTHIOAMIDE" submitted by V.DHANUSHKUMAR (Reg. No: 20PCH1601) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

Submitted for the Viva-Voce Examination held on 10/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

THE NOVEL SYNTHESIS OF PYRIMIDINE DERIVATIVE

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. DHINA

(Reg. No: 20PCH1602)

Under the Guidance of

Mrs. MANIMEGALAI, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mrs. S. MANIMEGALAI, M.Sc., M.Phil., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "THE NOVEL SYNTHESIS OF PYRIMIDINE DERIVATIVE" submitted by S. DIINA (Reg. No: 20PCH1602) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809

Signature of Guide

Submitted for the Viva-Voce Examination held on 10/06/2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF
MAGNESIUM NANOPARTICLES USING THE MEDICINAL
PLANT EXTRACTS OF SOLANUM TRILOBATUM**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. HAREESH

(Reg. No: 20PCH1603)

Under the Guidance of

Mr.M.A.ARIFULLAH.,M.Sc.,M.Phil.,B.Ed.,SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI – 636809

APRIL 2022

Mr. M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE


This is to certify that this project entitled "SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF MAGNESIUM NANOPARTICLES USING THE MEDICINAL PLANT EXTRACTS OF SOLANUM TRILOBATUM" submitted by M.HAREESH (Reg. No:20PCH1603) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri-636 809


Signature of Guide
M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva Voce Examination held on ...10/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**CHITOSAN COATED IRON OXIDE NANOPARTICLES-LYSINE FOR
ANTIBACTERIAL ACTIVITY**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

R.HARIKRISHNAN

(Reg. No: 20PCH1604)

Under the Guidance of

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "CYTOSAN COATED IRON OXIDE NANOPARTICLES-LYSINE FOR ANTIBACTERIAL MATERIALS" submitted by **R. HARIKRISHNAN** (Reg. No: 20PCH1604) in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

Head of the Department

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College
Dharmapuri

Signature of Guide

Submitted for the Viva-Voce Examination held on 10/06/2022....

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SYNTHESIS OF SCHIFF BASE DERIVATIVE AND THEIR
SPECTRAL CHARACTERIZATION**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

N.MAHENDRAN

(Reg. No: 20PCH1605)

Under the Guidance of

Ms. M. SAAMANTHI, M.Sc., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Ms. M. SAAMANTHI, M.Sc., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled “**SYNTHESIS OF SCHIFF BASE DERIVATIVE AND THEIR SPECTRAL CHARACTERIZATION**” submitted by **N.MAHENDRAN (Reg.No:20PCH1605)** in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

(Signature)
10/6/2022
Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

(Signature)
Signature of Guide

Submitted for the Viva-Voce Examination held on 10.06.2022
Don Bosco College,
Dharmapuri-636 809

(Signature)
INTERNAL EXAMINER

(Signature)
EXTERNAL EXAMINER

**SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF
COPPER NANOPARTICLES USING THE MEDICINAL
PLANT EXTRACT OF ACALYPHA INDICA**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M.MUTHUSELVAN

(Reg. No: 20PCH1606)

Under the Guidance of

Mr. M.A. ARIFULLAH., M.Sc., M.Phil, B.Ed, SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. M.A. ARIFULLAH., M.Sc., M.Phil, B.Ed, SET
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "**SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF COPPER NANOPARTICLES USING THE MEDICINAL PLANT EXTRACT OF ACALYPHA INDICA**" submitted by **M.MUTHUSELVAN (Reg. No: 20PCH1606)** in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Date: 10-06-2022

Mr. Arifullah
10/6/2022

Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri - 636 809

Submitted for the V-voce Examination held on 10-06-2022

M.A. Arifullah

Signature of Guide
M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Mr. Arifullah
10/6/2022

INTERNAL EXAMINER

Mr. Arifullah

EXTERNAL EXAMINER

**SYNTHESIS AND PHYSICAL CHARACTERIZATION OF
HYDRAZINYLDENE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

R. NITHISH KUMAR

(Reg. No: 20PCH1607)

Under the Guidance of

Mr.C.JAYAKUMAR, M.Sc., B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr.C.JAYAKUMAR, M.Sc., B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS AND PHYSICAL CHARACTERIZATION OF HYDRAZINYLDIENE" submitted by R.NITHISH KUMAR (Reg. No: 20PCH1607) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022


Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

C.JAYAKUMAR, M.Sc., B.Ed.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva-Voce Examination held on 10/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**NI (II) COMPLEX OF BI-DENTATE SCHIFF BASE MIXED LIGANDS :
SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL
ACTIVITIES**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. PRASANTH

(Reg. No: 20PCH1608)

Under the Guidance of

Mr. M. ADHIYAMAN, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. M. ADHIYAMAN, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "NI (II) COMPLEX OF BI-DENTATE SCHIFF BASE MIXED LIGANDS : SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES" submitted by S. PRASANTH (Reg.No:20PCH1608) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10-06-2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809


Signature of Guide 10/06/2022

Submitted for the Viva-Voce Examination held on ...10-06-2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

BOD AND COD REDUCTION FROM SYNTHETIC SUGAR INDUSTRY WASTEWATER

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

N. K. PRAVEEN KUMAR

(Reg. No: 20PCH1609)

Under the Guidance of

Mr R. MANI, M.Sc., M.Phil, B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr R. MANI , M.Sc., M.Phil. B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "BOD AND COD REDUCTION FROM SYNTHETIC SUGAR INDUSTRY WASTEWATER" submitted by N.K. PRAVEEN KUMAR (Reg. No: 20PCH1609) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

Mr. K. Sakthivel
10/06/2022

Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri-636 809

R. Mani
09/06/22

Signature of Guide
R.MANI M.Sc., M.Phil., B.Ed., Ph.D.
Asst. Prof. in Chemistry,
DON BOSCO COLLEGE,
Dharmapuri-636 809.

Submitted for the Viva-Voce Examination held on 10.06.2022

Mr. K. Sakthivel
INTERNAL EXAMINER

R. Mani
EXTERNAL EXAMINER

**TANNERY WASTEWATER TREATMENT USING
ACTIVATED CARBON FROM CASSIA FISTULA SEEDS**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. SAKTHIVEL

(Reg. No: 20PCH1610)

Under the Guidance of

Mr.R. MANI, M.Sc., M.Phil.B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr.R.MANI, M.Sc., M.Phil.B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "TANNERY WASTEWATER TREATMENT USING ACTIVATED CARBON FROM CASSIA FISTULA SEEDS" submitted by M. SAKTHIVEL (Reg. No: 20PCH1610) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

(Handwritten signature)
09/06/2022

Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri - 636 809.

(Handwritten signature)
Signature of Guide
R.MANI M.Sc., M.Phil., B.Ed., Ph.D.
Asst. Prof. in Chemistry,
DON BOSCO COLLEGE,
Dharmapuri-636 809.

Submitted for the Viva-Voce Examination held on 10.06.2022

(Handwritten signature)
INTERNAL EXAMINER

(Handwritten signature)
EXTERNAL EXAMINER

THE SYNTHESIS OF PYRIMIDINE DERIVATIVE

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

C.SATHISH

(Reg. No: 20PCH1611)

Under the Guidance of

Mrs. MANIMEGALAI, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mrs S MANIMEGALAI, M.Sc., M.Phil., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "THE SYNTHESIS OF PYRIMIDINE DERIVATIVE" submitted by C. SATHISH (Reg. No: 20PCH1611) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place Dharmapuri

Date 10/06/2022

Head of the Department

Am. 10/06/2022
Mr. A. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809

S. Manj
Signature of Guide

Submitted for the Viva-Voce Examination held on 10/06/2022

[Signature]
INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

**SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL
ACTIVITY OF CHITOSAN (CS) - POLYVINYL PYRROLIDONE
(PVP) LOADED HYDROXYAPATITE (HA) COMPOSITE FILMS FOR
WOUND HEALING APPLICATIONS**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. SATHIYAMOORTHY

(Reg. No: 20PCH1612)

Under the Guidance of

Mr. K. SAKTHIVEL, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. K. SAKTHIVEL, M.Sc., M.Phil., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF CHITOSAN (CS) - POLYVINYL PYRROLIDONE (PVP) LOADED HYDROXYAPATITE (HA) COMPOSITE FILMS FOR WOUND HEALING APPLICATIONS" submitted by M. SATHIYAMOORTHY (Reg.No:20PCH1612) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10 - 06 - 2022

M. K. Sakthivel
Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809

M. Sathiyamoorthy
Signature of Guide

Submitted for the Viva-Voce Examination held on 10-06-2022

M. K. Sakthivel
INTERNAL EXAMINER

M. Sathiyamoorthy
EXTERNAL EXAMINER

STUDIES ON ALUMINIUM DOPED ELECTROLYTE

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

A.SETTU

(Reg. No: 20PCH1613)

Under the Guidance of

Mr.C.JAYAKUMAR, M.Sc.,B.Ed.,

Assistant Professor



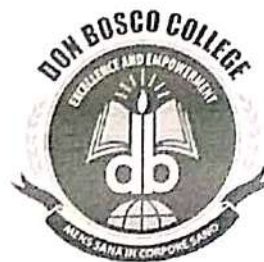
PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr.C.JAYAKUMAR, M.Sc.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "STUDIES ON ALUMINIUM DOPED ELECTROLYTE" submitted by A.SETTU (Reg. No:20PCH1613) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri

Date: 10/06/2022


Head of the Department

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

C.JAYAKUMAR, M.Sc.,B.Ed.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva-Voce Examination held on ...10/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

THE SYNTHESIS OF SCHIFF BASE FROM CHALCONE

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

G. SIVAPRAKASH

(Reg. No: 20PCH1614)

Under the Guidance of

Mrs. MANIMEGALAI, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mrs. S. MANIMEGALAI, M.Sc., M.Phil., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

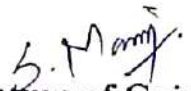
This is to certify that this project entitled "THE SYNTHESIS OF SCHIFF BASE FROM CHALCONE" submitted by G. SIVAPRAKASH (Reg. No: 20PCH1614) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10-06-2022


Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

Submitted for the Viva-Voce Examination held on 10-06-2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**NI (II) COMPLEX BEARING HALOGENATED BI-DENTATE N,O &
N,N-DONOR SCHIFF BASE MIXED LIGANDS : SYNTHESIS,
CHARACTERIZATION AND ANTIMICROBIAL ACTIVITIES**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. SIVARANJANI

(Reg. No: 20PCH1615)

Under the Guidance of

Mr. M. ADHIYAMAN, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. M. ADHIYAMAN, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "NI (II) COMPLEX BEARING HALOGENATED BI-DENTATE N,O & N,N-DONOR SCHIFF BASE MIXED LIGANDS : SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITIES" submitted by M. SIVARAJANI (Reg.No:20PCH1615) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

Head of the Department

M. K. Sathivel
Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809.

M. Adhyan
Signature of Guide
09/06/2022.

Submitted for the Viva-Voce Examination held on 10.06.2022....

M. K. Sathivel
INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

**FLUORIDE ADSORPTION CAPACITY OF POWDERED RICUS
CARICA FRUITS AND AZADIRACHTA INDICA BARK IN
GROUNDWATER**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. SOUNDARRAJ

(Reg. No: 20PCH1616)

Under the Guidance of

Mr. K. VIJAI, M.Sc., B.Ed, SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. K. VIJAI, M.Sc., B.Ed, SET.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.




CERTIFICATE

This is to certify that this project entitled "FLUORIDE ADSORPTION CAPACITY OF POWDERED RICUS CARICA FRUITS AND AZADIRACHTA INDICA BARK IN GROUNDWATER" submitted by S. SOUNDARRAJ (Reg. No: 20PCH1616) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809


Signature of Guide
K. VIJAI, M.Sc., B.Ed., SET
Assistant Professor of Chemistry
Don Bosco College,
Dharmapuri-636 809

Submitted for the Viva-Voce Examination held on 10.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

EFFICIENCY EVALUATION FOR TANNERY EFFLUENT TREATMENT USING ACTIVATED CARBON AND FeCl₃

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. SRIRAM

(Reg. No: 20PCH1617)

Under the Guidance of

Mr.R. MANI, M.Sc., M.Phil.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. R. MANI, M.Sc., M.Phil. B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE


This is to certify that this project entitled "EFFICIENCY EVALUATION FOR TANNERY EFFLUENT TREATMENT USING ACTIVATED CARBON AND $FeCl_3$ " submitted by S. SRIRAM (Reg. No: 20PCH1617) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.


Date: 10.06.2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri-636 809


Signature of Guide
R. MANI M.Sc., M.Phil., B.Ed., Ph.D.
Asst. Prof. in Chemistry,
DON BOSCO COLLEGE,
Dharmapuri-636 809.


INTERNAL EXAMINER


EXTERNAL EXAMINER

**SYNTHESIS PHYSICAL CHARACTERIZATION AND
ANTI BACTERIAL ACTIVITY OF -5-METHYL-1, 2-OXAZOLE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

C.SULAKSHAN

(Reg. No: 20PCH1618)

Under the Guidance of

M. SAAMANTHI M.Sc,B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI – 636809

JUNE 2022

M. NAMMANTHI M.Sc., M.Phil., B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809,

CERTIFICATE

This is to certify that this project entitled "SYNTHESIS
PHYSICAL CHARACTERIZATION AND ANTIBACTERIAL
ACTIVITY -5-METHYL-1, 2-OXAZOLE" submitted by
C.SULAKSHAN (Reg. No: 20PCH1618) in partial fulfillment for the award of the
degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done
under my supervision during the Academic year 2021-2022 and the project has not
formed the basis of the award of any Degree, Diploma, Associateship, Fellowship
or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022.

Head of the Department

*Mr. A. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,*

Submitted for the Viva-Voce Examination held on ..10.06.2022.....

M. S. K.
Signature of Guide

M. S. K.
INTERNAL EXAMINER

M. S. K.
EXTERNAL EXAMINER

**SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF ZINC
NANOPARTICLES USING THE MEDICINAL PLANT
EXTRACT OF ALTERNANTHERA SESSILIS**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

C.TAMILMANI

(Reg. No: 20PCH1619)

Under the Guidance of

Mr.M.A, ARIFULLAH.,M.Sc., M.Phil.,B.Ed.,SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE


This is to certify that this project entitled "SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF ZINC NANOPARTICLES USING THE MEDICINAL PLANT EXTRACT OF ALTERNANTHERA SESSILIS" submitted by C.TAMILMANI (Reg. No:20PCH1619) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.


Date: 10/06/2022


Head of the Department
Mr. A. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri-636 809


Signature of Guide
M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the M.Sc. Degree Examination held on 10.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**FLUORIDE ADSORPTION CAPACITY OF POWDERED
CLITORIA TERNETA AND SENNA AURICULATA
FLOWERS IN GROUNDWATER**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. THANGARAJ

(Reg. No: 20PCH1620)

Under the Guidance of

Mr. K. VIJAI, M.Sc., B.Ed, SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. K. VIJAI, M.Sc., B.Ed, SET.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled “**FLUORIDE ADSORPTION CAPACITY OF POWDERED CLITORIA TERNETA AND SENNA AURICULATA FLOWERS IN GROUNDWATER**” submitted by **S. THANGARAJ** (Reg. No: 20PCH1620) in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

Mr. K. Sakthivel
10/6/2022

Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809

K. Vijai
10/6/2022

Signature of Guide
K. VIJAI, M.Sc., B.Ed., SET
Assistant Professor of Chemistry
Don Bosco College,
Dharmapuri-636 809

Submitted for the Viva-Voce Examination held on 10.06.2022....

Mr. K. Sakthivel
10/6/2022

INTERNAL EXAMINER

K. Vijai
10/6/2022

EXTERNAL EXAMINER

**SYNTHESIS AND CHARACTERIZATION OF NOVEL
SUBSTITUTED SCHIFF BASE DERIVATIVE FROM CHALCONE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. THIRUMALAIVASAN

(Reg. No: 20PCH1621)

Under the Guidance of

Ms.M. SAAMANTHI , M.Sc., B.Ed .,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Ms.M. SAAMANTHI , M.Sc., B.Ed .,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled “**SYNTHESIS AND CHARACTERIZATION OF NOVEL SUBSTITUTED SCHIFF BASE DERIVATIVE FROM CHALCONE**” submitted by **M. THIRUMALAIVASAN (Reg. No: 20PCH1621)** in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.


Place: Dharmapuri.

Date: 10.06.2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri - 636 809
Submitted for the Viva Voce Examination held on 10-06-2022


Signature of Guide


EXTERNAL EXAMINER


EXTERNAL EXAMINER

SYNTHESIS OF CHALCONE DERIVATIVES

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

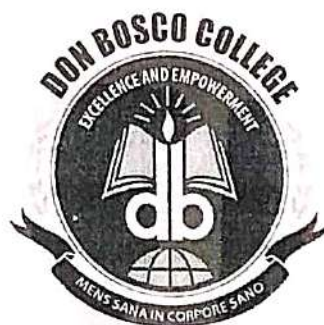
J.UMASHANKAR

(Reg. No: 20PCH1622)

Under the Guidance of

Mrs.S.MANIMEGALAI, M.Sc.,M.Phil.,B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mrs.S.MANIMEGALAI,M.Sc.,M.Phil.,B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS OF CHALCONE DERIVATIVES" submitted by J.UMASHANKAR (Reg.No:20PCH1622)in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10-06-2022

Head of the Department
Mr. A. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809

Signature of Guide

Submitted for the Viva-Voce Examination held on 10-06-2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF ZINC
NANOPARTICLES USING THE MEDICINAL PLANT
EXTRACT OF SOLANUM TORVUM**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S.UTHRAMOORTHY

(Reg. No: 20PCH1623)

Under the Guidance of

Mr.M.A.ARIFULLAH., M.Sc., M.Phil.,B.Ed.,SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr.M.A.ARIFULLAH. M.Sc., M.Phil.,B.Ed.,SET,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS AND PHYTOCHEMICAL ACTIVITY OF ZINC NANOPARTICLES USING THE MEDICINAL PLANT EXTRACT OF SOLANUM TORVUM" submitted by S. UTHRAMOORTHY (Reg. No:20PCH1623) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date : 10/06/2023


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry.

Don Bosco College,
Dharmapuri - 636 809



Signature of Guide
M.A. ARIFULLAH, M.Sc., M.Phil., B.Ed., SET.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva Voce Examination held on 10/06/2023


INTERNAL EXAMINER


EXTERNAL EXAMINER

**SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF COPPER
(II) SCHIFF-BASE MIXED COMPLEX FROM O-VANILINE**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

V.VASANTHAKUMAR

(Reg. No: 20PCH1624)

Under the Guidance of

Mr.M. ADHIYAMAN, M.Sc.,M.Phil.,B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. M. ADHIYAMAN, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF COPPER (II) SCHIFF-BASE MIXED COMPLEX FROM O-VANILINE" submitted by V.VASANTHAKUMAR (Reg. No: 20PCH1624) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

K. Saktivel
10/06/2022
Head of the Department
Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry

M. Adhiyaman
10/06/2022
Signature of Guide

Don Bosco College,
Submitted for the 3rd Year B.Sc. Degree Examination held on 10.06.2022

K. Saktivel
10/06/2022
INTERNAL EXAMINER

M. Adhiyaman
EXTERNAL EXAMINER

THE DETECTION OF IMPURITIES AND TESTS FOR DAIRY MILK

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

D. VELMURUGAN

(Reg. No: 20PCH1625)

Under the Guidance of

Mr.C.JAYAKUMAR, M.Sc., B.Ed.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022

Mr. C. JAYAKUMAR, M.Sc., B.Ed.

Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "THE DETECTION OF IMPURITIES AND TESTS FOR DAIRY MILK" submitted by D. VELMURUGAN (Reg. No: 20PCH1625) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809

Signature of Guide

C. JAYAKUMAR, M.Sc., B.Ed.,
ASSISTANT PROFESSOR IN CHEMISTRY,
DON BOSCO COLLEGE,
DHARMAPURI-636 809.

Submitted for the Viva-Voce Examination held on 10/06/2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

SYNTHESIS OF NOVEL SCHIFF BASE DERIVATIVE

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

P.VIGNESH

(Reg. No: 20PCH1626)

Under the Guidance of

Ms.M. SAAMANTHI M.Sc.,B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

APRIL 2022


Ms. M. SAAMANTHI, M.Sc., B.Ed.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "SYNTHESIS OF NOVEL SCHIFF BASE DERIVATIVE" submitted by P.VIGNESH (Reg. No:20PCH1626) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri
Date: 10.06.2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

Submitted for the Viva-Voce Examination held on ... 10.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**STUDIES ON FABRICATION OF CARBOXYLMETHYL CELLULOSE-
POLYVINYL ALCOHOL BLENDED FILMS INCORPORATING
ANTIBACTERIAL AGENTS FOR WOUND HEALING APPLICATIONS**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

C. GANDHIMATHI

(Reg. No: 20PCH1627)

Under the Guidance of

Mr. M. ADHIYAMAN, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. M. ADHIYAMAN, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.




CERTIFICATE

This is to certify that this project entitled "STUDIES ON FABRICATION OF CARBOXYLMETHYL CELLULOSE-POLYVINYL ALCOHOL BLENDED FILMS INCORPORATING ANTIBACTERIAL AGENTS FOR WOUND HEALING APPLICATIONS" submitted by C. GANDHIMATHI (Reg.No:20PCH1627) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022


Head of the Department
Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809


Signature of Guide

Submitted for the Viva-Voce Examination held on 10.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**PREPARATION, OPTIMIZATION, AND CHARACTERIZATION OF
ZnO-CuO/HYDROXYAPATITE BIOCERAMIC MATERIALS FOR
WOUND HEALING APPLICATION**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

G. LOGESWARI

(Reg. No: 20PCH1628)

Under the Guidance of

Mr. K. SAKTHIVEL, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "PREPARATION, OPTIMIZATION, AND CHARACTERIZATION OF ZnO-CuO/HYDROXYAPATITE BIOCERAMIC MATERIALS FOR WOUND HEALING APPLICATION" submitted by G.LOGESWARI (Reg.No:20PCH1628) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry

Don Bosco College,
Dharmapuri-636 809

Signature of Guide

INTERNAL EXAMINER

EXTERNAL EXAMINER

**BIOLOGICAL ACTIVITY OF A CU(II) SCHIFF BASE COMPLEX
FROM 5-BROMO-SALICYLALDEHYDE**

A Project Report submitted to
PERIYAR UNIVERSITY

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

Submitted By

S. SANGEETHA

(Reg. No: 20PCH1629)

Under the Guidance of

Mr. K. SAKTHIVEL, M.Sc., M.Phil., B.Ed.,

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,B.Ed.,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE


This is to certify that this project entitled "BIOLOGICAL ACTIVITY OF A CU (II) SCHIFF BASE COMPLEX FROM 5-BROMO-SALICYLALDEHYDE" submitted by S. SANGEETHA (Reg.No:20PCH1629) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022


Head of the Department


Signature of Guide


Mr. K. SAKTHIVEL, M.Sc.,M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry

Submitted for the College V-voice Examination held on ..10.06.2022...
Dharmapuri-636 809


INTERNAL EXAMINER


EXTERNAL EXAMINER

REMOVAL OF TDS AND BOD FROM SYNTHETIC INDUSTRIAL WASTEWATER VIA ADSORPTION

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

T.SARANYA (Reg. No: 20PCH1630)

Under the Guidance of

Mr.R. MANI, M.Sc., M.Phil., B.Ed

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI - 636809

JUNE 2022

Mr. R. MANI, M.Sc., M.Phil., B.Ed,
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled **REMOVAL OF TDS AND BOD FROM SYNTHETIC INDUSTRIAL WASTEWATER VIA ADSORPTION** submitted by **T. SARANYA** (Reg. No: 20PCH1630) in partial fulfillment for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY** is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

M. K. Sakthivel
10/06/2022

Head of the Department

Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809

R. Mani
10/06/22

Signature of Guide

R. MANI M.Sc., M.Phil., B.Ed., Ph.D.
Asst. Prof. in Chemistry,
DON BOSCO COLLEGE,
Dharmapuri-636 809.

Submitted for the Viva-Voce Examination held on10.06.2022

M. K. Sakthivel
INTERNAL EXAMINER

R. Mani
EXTERNAL EXAMINER

**FLUORIDE ADSORPTION CAPACITY OF POWDERED
FICUS RELIGIOSA CHARCOAL IN GROUNDWATER**

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

M. SRIMALAR

(Reg. No: 20PCH1631)

Under the Guidance of

Mr. K. VIJAI, M.Sc., B.Ed, SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI – 636809

APRIL 2022

Mr. K. VIJAI, M.Sc., B.Ed, SET.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "FLUORIDE ADSORPTION CAPACITY OF POWDERED FICUS RELIGIOSA CHARCOAL IN GROUNDWATER" submitted by M. SRIMALAR (Reg. No: 20PCH1631) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10/06/2022

K. Sakthivel
10/6/2022
Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri-636 809

K. Vijai
10/6/2022
Signature of Guide
K. VIJAI, M.Sc., B.Ed., SET
Assistant Professor of Chemistry
Don Bosco College,
Dharmapuri-636 809

Submitted for the Viva-Voce Examination held on 10/06/2022.....

[Signature]
10/6/2022
INTERNAL EXAMINER

[Signature]
10/6/2022
EXTERNAL EXAMINER

FLUORIDE ADSORPTION ABILITY OF RED SOIL IN GROUNDWATER

A Project Report submitted to

PERIYAR UNIVERSITY

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

MASTER OF SCIENCE IN CHEMISTRY

Submitted By

S. VASUKI

(Reg. No: 20PCH1632)

Under the Guidance of

Mr. K. VIJAI, M.Sc., B.Ed, SET.

Assistant Professor



PG DEPARTMENT OF CHEMISTRY

DON BOSCO COLLEGE

DHARMAPURI – 636809

APRIL 2022

Mr. K. VIJAI, M.Sc., B.Ed, SET.
Assistant Professor,
PG Department of Chemistry,
Don Bosco College,
Dharmapuri - 636 809.



CERTIFICATE

This is to certify that this project entitled "FLUORIDE ADSORPTION ABILITY OF RED SOIL IN GROUNDWATER" submitted by S. VASUKI (Reg. No: 20PCH1632) in partial fulfillment for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY is a record work done under my supervision during the Academic year 2021-2022 and the project has not formed the basis of the award of any Degree, Diploma, Associateship, Fellowship or any other similar title of any University or Institution.

Place: Dharmapuri.

Date: 10.06.2022

K. Sakthivel
10/6/2022
Head of the Department
Mr. K. SAKTHIVEL, M.Sc., M.Phil.,
Head Cum Assistant Professor,
PG Department of Chemistry
Don Bosco College,
Dharmapuri-636 809

K. Vijai
Signature of Guide
K. VIJAI, M.Sc., B.Ed., SET.,
Assistant Professor of Chemistry,
Don Bosco College,
Dharmapuri-636 809

Submitted for the Viva-Voce Examination held on ...10.06.2022....

K. Sakthivel
INTERNAL EXAMINER

K. Vijai
EXTERNAL EXAMINER