

PROGRAMME NAME:M.SC., PHYSICS

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	19PPHPR1	2021-2022	D.Adhimurugan
2	19PPHPR1	2021-2022	S.Anbazhan
3	19PPHPR1	2021-2022	K.Baskar
4	19PPHPR1	2021-2022	S.Dhanasekaran
5	19PPHPR1	2021-2022	G.Kirubakaran
6	19PPHPR1	2021-2022	P.Kumar
7	19PPHPR1	2021-2022	V.Lokesh
8	19PPHPR1	2021-2022	S.Maharajan
9	19PPHPR1	2021-2022	K.Navassharif
10	19PPHPR1	2021-2022	P.Nithish Kumar
11	19PPHPR1	2021-2022	S.Parathasarthi
12	19PPHPR1	2021-2022	M.Puvidas
13	19PPHPR1	2021-2022	M.Santhosh
14	19PPHPR1	2021-2022	Shaidulalam Laskar
15	19PPHPR1	2021-2022	S.Shandru
16	19PPHPR1	2021-2022	M.Suresh
17	19PPHPR1	2021-2022	M.Venkatraman
18	19PPHPR1	2021-2022	N.Viswa
19	19PPHPR1	2021-2022	M.Devipriya
20	19PPHPR1	2021-2022	P.Dheepthi Sree
21	19PPHPR1	2021-2022	P.Kaviyashree
22	19PPHPR1	2021-2022	T.Lalitha
23	19PPHPR1	2021-2022	M.Priyanka
24	19PPHPR1	2021-2022	A.Yedal Dayana



**SYNTHESIS AND CHARACTERIZATION OF Fe
DOPED ZnO NANOPARTICLES BY CO-PRECIPIATION METHOD**



**A project submitted to the
PERIYAR UNIVERSITY, SALEM**

**In partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS**

Submitted by

D.ADHIMURUGAN

Reg.No:20PPH1460

Under the guidance of

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CERTIFICATE

This is to certify that the dissertation entitled **synthesis and characterization of doped ZnO nanoparticles by co-precipitation method** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of science in physics** is a record of original research work done by **D.ADHIMURUGAN (Reg.no: 20PPH1460)** during the period 2020-2022 of this study in the department of physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any college or universities.


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09.06.2022


Examiner I


Examiner II

**FTIR AND UV SPECTROSCOPY STUDY OF
AZADIRACHTAINDICA LEAF**



Dissertation submitted to the Periyar University, Salem

In partial fulfilment of the requirement

For the award of the degree of

MASTER OF SCIENCE IN PHYSICS

By

S. ANBAZHAGAN

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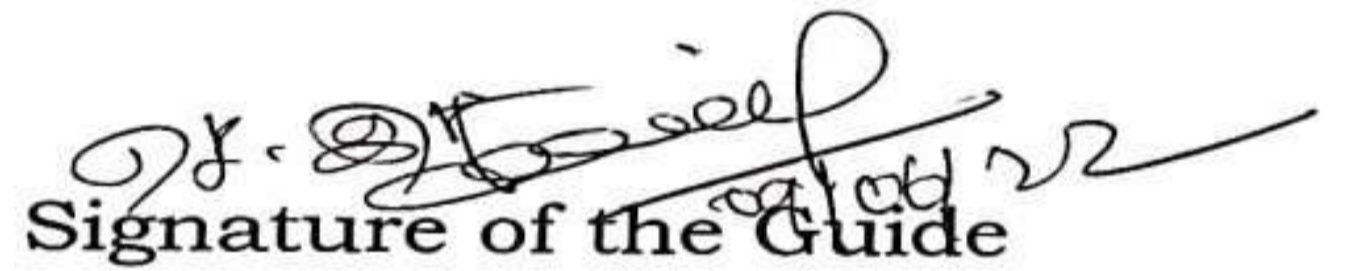
This is to certify that the dissertation entitled **FTIR AND UV SPECTROSCOPY STUDY OF AZADIRACHTAININDICA LEAF** Submitted to the Don Bosco College Dharmapuri in partial fulfilment of the requirements for the award of the degree of **Master of Physics** is a record of original research work done by **S. ANBAZHAGAN (Reg. No: 20PPH1461)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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Examiner I



Examiner II

**SYNTHESIS AND CHARACTERIZATION OF COPPER DOPED
AND MALEIC ACID CAPPED ZNO NANOPARTICLE BY
SOL-GEL METHOD**



**A project submitted to the
PERIYAR UNIVERSITY, SALEM**

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This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF COPPER DOPED AND MALEIC ACID CAPPED ZNO NANOPARTICLE BY SOL-GEL METHOD** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **K.BASKAR (Reg.No:20PPH1462)** during the period 2021-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.


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Examiner I


Examiner II

**INTRA MOLECULAR INTERACTION STUDIES
ON ANILINE BINARIES USING ULTRASONIC
INTERFEROMETER METHOD AT 303.15K**



Dissertation submitted to the Don Bosco College

**In partial fulfillment of the requirement
For the award of the degree of
MASTER OF SCIENCE IN PHYSICS**

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Examiner I



Examiner II

**INTRA MOLECULAR INTERACTION STUDIES
ON m-XYLENE BINARIES AT 303.15K**



Dissertation submitted to the Don Bosco College

**In partial fulfillment of the requirement
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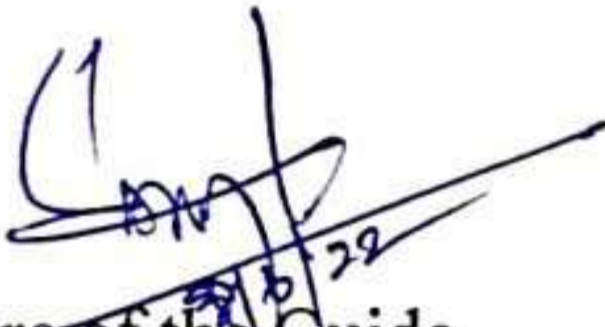
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This is to certify that the dissertation entitled **INTRA MOLECULAR INTERACTION STUDIES ON m-XYLENE BINARIES AT 303.15K** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **G. KIRUBHAKARAN (Reg.No:20PPH1464)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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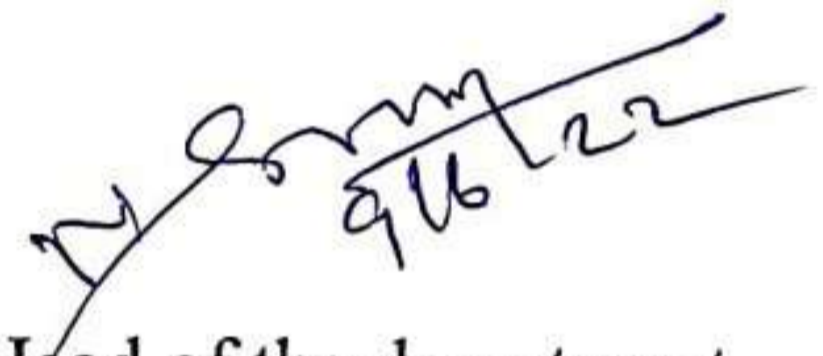
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Examiner I



Examiner II

**GREEN SYNTHESIS OF NiO WITH SOLANUM
TRILOBATUM NANOPARTICLES BY CO-PRECIPITATION
METHOD**



**Dissertation submitted to the Periyar University,
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In partial fulfilment of the requirement

For the award of the degree of

MASTER OF SCIENCE IN PHYSICS

By

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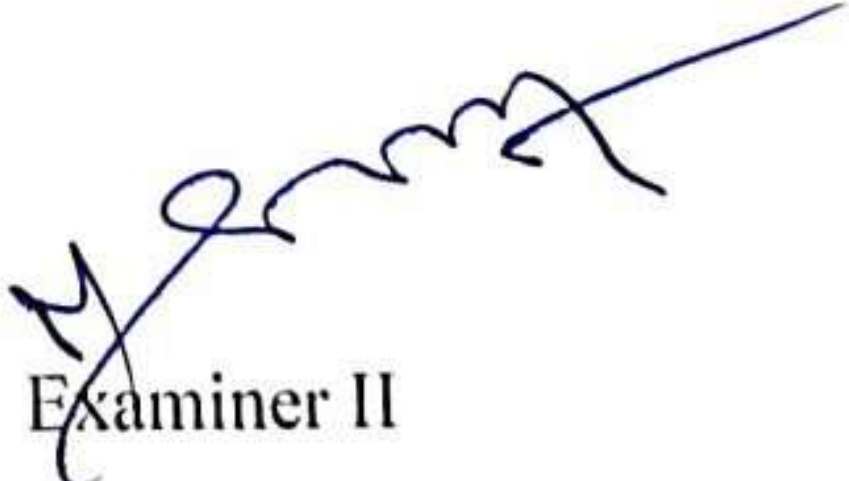
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Examiner I


Examiner II

**INTRA MOLECULAR INTERACTION STUDIES
ON TOLUENE BINARIES AT 303.15K**



Dissertation submitted to the Don Bosco College

**In partial fulfillment of the requirement
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This is to certify that the dissertation entitled **INTRA MOLECULAR INTERACTION STUDIES ON TOLUENE BINARIES AT 303.15K** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **V.LOKESH (Reg.No:20PPH1466)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.


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Examiner I

Examiner I


Examiner II

Examiner II

**SYNTHESIS AND CHARACTERIZATION OF ZINC DOPED AND
MALEIC ACID CAPPED CuO NANOPARTICLE BY
SOL-GEL METHOD**



A project submitted to the

PERIYAR UNIVERSITY, SALEM

In partial fulfillment of the requirement for the award of 'the degree of
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Submitted By

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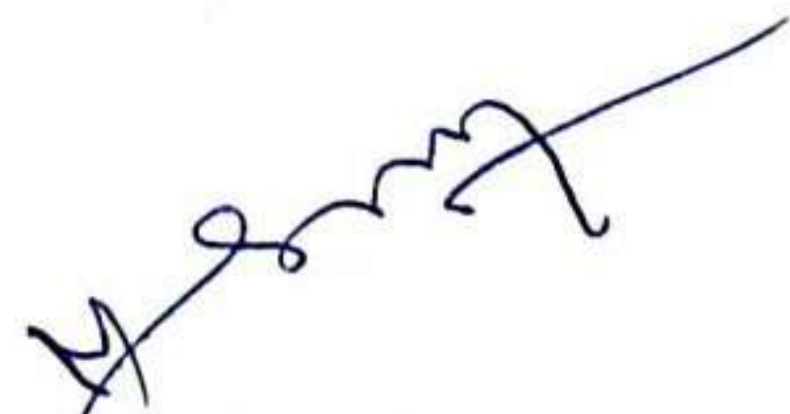
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Examiner I

Examiner I



Examiner II

**SYNTHESIS AND CHARACTERIZATION OF NICKEL DOPED ZnO
NANOPARTICLES BY CO-PRECIPITATION METHOD**



A project submitted to the
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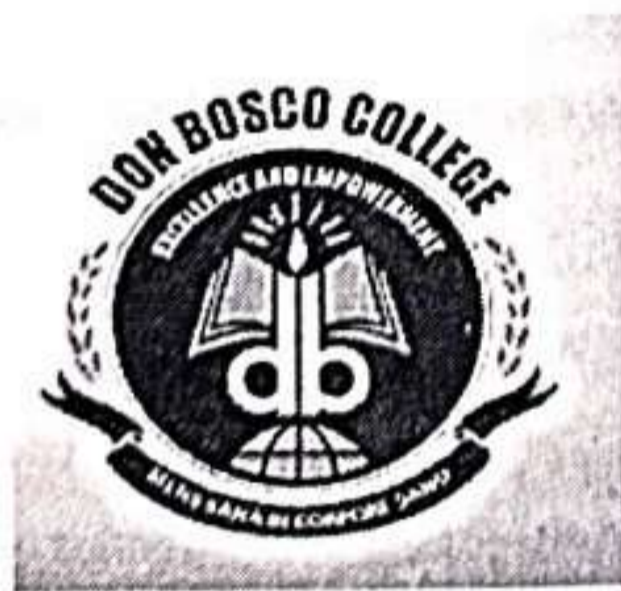
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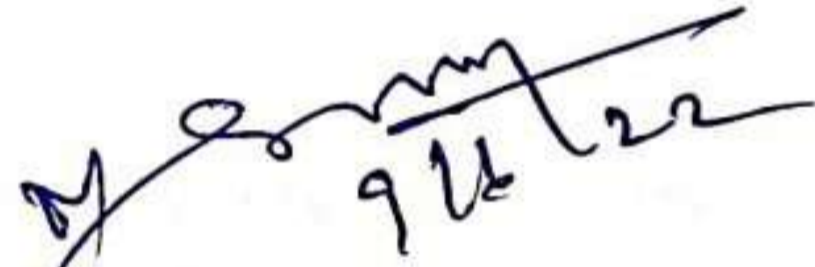
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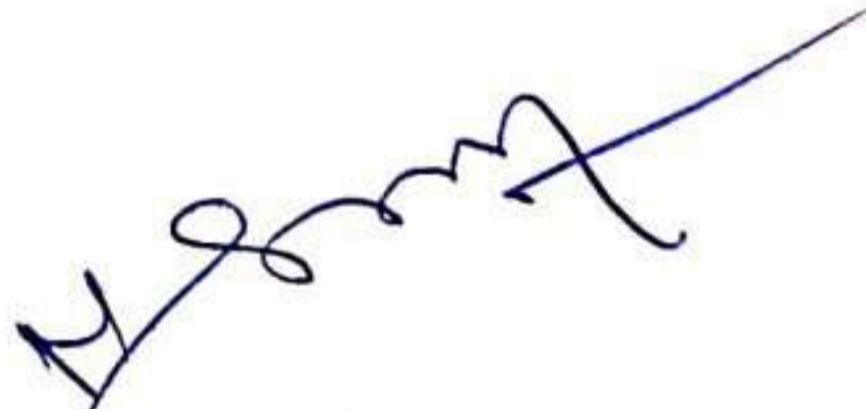
This is to certify that the dissertation entitled **synthesis and characterization of nickel doped ZnO nanoparticles by co-precipitation method** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of science in physics** is a record of original research work done by **K.NAVASSHARIFF (Reg.no: 20PPH1468)** during the period 2020-2022 of this study in the department of physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any college or universities.


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Examiner I


Examiner II

**EXPERIMENTAL INVESTIGATIONS ON THE OPTICAL ELECTRICAL AND
STRUCTURAL PROPERTIES OF GLYCINE DOPED ZINC SULPHATE-
AMMONIUM SULPHATE**

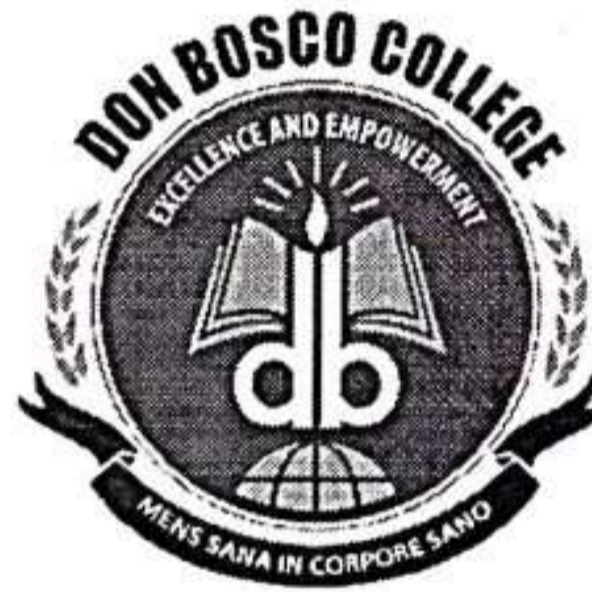


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This is to certify that the dissertation entitled **EXPERIMENTAL INVESTIGATIONS ON THE OPTICAL ELECTRICAL AND STRUCTURAL PROPERTIES OF GLYCINE DOPED ZINC SULPHATE-AMMONIUM SULPHATE** Submitted to the Don Bosco College Dharmapuri in partial fulfilment of the requirements for the award of the degree of **Master of Physics** is a record of original research work done by **P. NITHISHKUMAR (Reg. No: 20PPH1469)** during the period **2020-2022** of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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Examiner I



Examiner II

**SYNTHESIS AND CHARACTERIZATION OF ZnS
NANOPARTICLES BY CO-PRECIPITATION METHOD**



**Dissertation submitted to the Periyar University,
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In partial fulfilment of the requirement

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This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF ZnS NANOPARTICLES BY CO-PRECIIPITATION METHOD** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Physics** is a record of original research work done by **S.PARTHASARATHI (Reg.No:20PPH1470)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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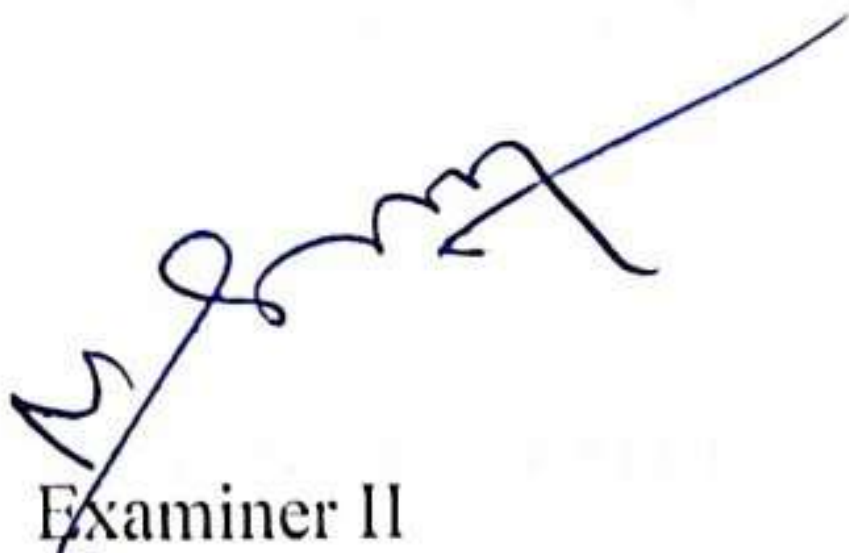
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09-06-2022


Examiner I


Examiner II

**PREPARATION AND CHARACTERIZATION OF CADMIUM
SULPHIDE THIN FILMS PREPARED BY VACUUM EVAPORATION
DEPOSITION AND CHEMICAL BATH DEPOSITION**



**Dissertation submitted to the Don Bosco College
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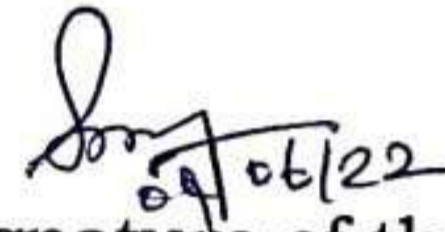
This is to certify that the dissertation entitled **PREPARATION AND CHARACTERIZATION OF CADMIUM SULPHIDE THIN FILMS PREPARED BY VACUUM EVAPORATION DEPOSITION AND CHEMICAL BATH DEPOSITION** Submitted to the Don Bosco College Dharmapuri in partial fulfilment of the requirements for the award of the degree of **Master of Physics** is a record of original research work done by **M. SANTHOSH (Reg. No: 20PPH1472)** during the period **2020-2022** of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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Examiner I



Examiner II

**INTRA MOLECULAR INTERACTION STUDIES
ON BENZENE TERNARIES AT 303.15K**



Dissertation submitted to the Don Bosco College

**In partial fulfillment of the requirement
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This is to certify that the dissertation entitled **INTRA MOLECULAR INTERACTION STUDIES ON BENZENE BINARIES AT 303.15K** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **SH Aidul Alam Lasker (Reg.No:20PPH1473)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.


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Examiner I


Examiner II

**SYNTHESIS AND CHARACTERIZATION OF ZnO
NANOPARTICLES BY SOLGEL METHOD**



**A project submitted to the
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MASTER OF SCIENCE IN PHYSICS

Submitted By

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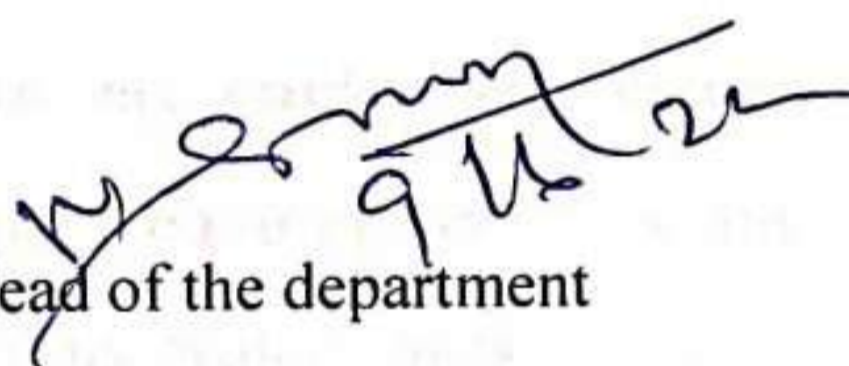
JUNE-2022

CERTIFICATE

This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF ZnO NANOPARTICLES BY SOLGEL METHOD** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **S.SHANDRU (Reg.No:20PPH1474)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.




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Examiner I



Examiner II

**SYNTHESIS AND CHARACTERIZATION OF Zn DOPED
NiO NANOPARTICLES BY CO-PRECIPITATION METHOD**



**Dissertation submitted to the Periyar University,
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JUNE-2022

CERTIFICATE

is is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF Zn DOPED NiO NANOPARTICLES BY CO-RECIPIRATION METHOD** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Physics** is a record of original research work done by **M. SURESH** (Reg.No:20PPH1475) during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.

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Examiner I

Examiner II

**GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES BY USING
HIBISCUS ROSA-SINENSIS**



**A project submitted to the
PERIYAR UNIVERSITY, SALEM**

**In partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS**

Submitted By M.VENKATRAMAN

Reg.No:20PPH1476

Under the guidance of

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



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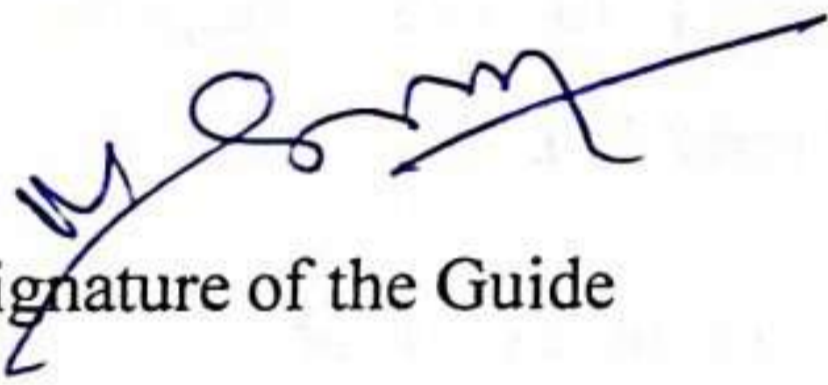
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Examiner I


Examiner II

SYNTHESIS AND CHARACTERIZATION OF ZnO NANOPARTICLES

BY

CO-PRECIPIATION METHOD



A project submitted to the
PERIYAR UNIVERSITY, SALEM

In partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS

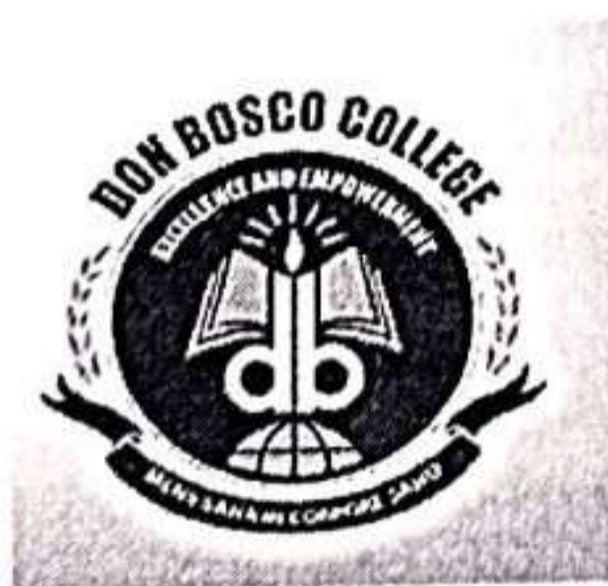
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This is to certify that the dissertation entitled **synthesis and characterization of ZnO nanoparticles by co-precipitation method** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of science in physics** is a record of original research work done by **N.VISHWA (Reg.no: 20PPH1477)** during the period 2020-2022 of this study in the department of physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not format the basis for the award of any degree or similar title to any candidate of any college or universities.


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Examiner I


Examiner II

**SYNTHESIS AND CHARACTERIZATION OF NICKEL OXIDE
NANOPARTICLES BY SOL-GEL TECHNIQUE**



**A project submitted to the
PERIYAR UNIVERSITY, SALEM**

**In partial fulfillment of the requirement for the award of the degree of
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Submitted By

M. DEVIPRIYA

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This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF NICKEL OXIDE NANOPARTICLES BY SOL-GEL TECHNIQUE** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **M. DEVIPRIYA (Reg.No:20PPH1478)** during the period 2021-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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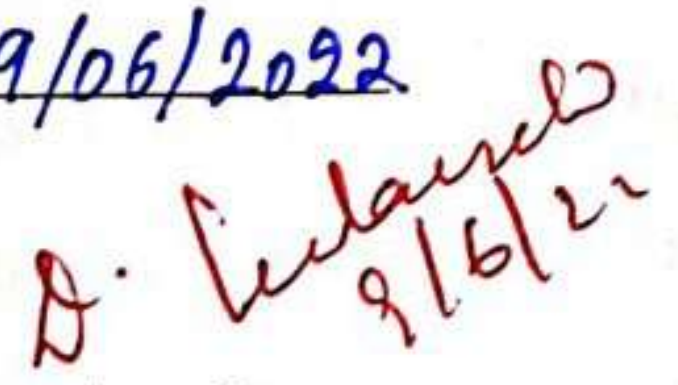


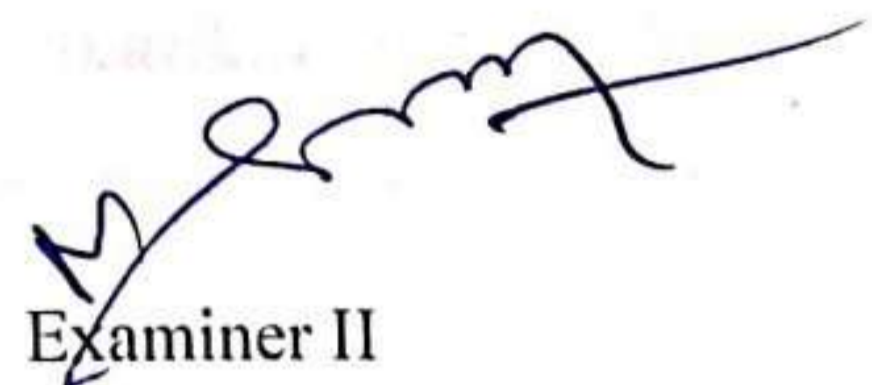
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Examiner I



Examiner II

FTIR AND UV SPECTROSCOPY STUDY OF CITRIC ACID



Dissertation submitted to the Periyar University, Salem

In partial fulfilment of the requirement

**For the award of the degree of
MASTER OF SCIENCE IN PHYSICS**

By

P.DHEEPHI SREE

Reg. No: 20PPH1479



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JUNE-2022


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This is to certify that the dissertation ENTITLED Submitted to the Don Bosco College **FTIR AND UV SPECTROSCOPY STUDY OF CITRIC ACID** Dharmapuri in partial fulfilment of the requirements for the award of the degree of **Master of Physics** is a record of original research work done by **P.DHEEPHI SREE (Reg. No: 20PPH1479)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.


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Examiner I


Examiner II

SYNTHESIS AND CHARACTERIZATION OF COPPER OXIDE NANOPARTICLES



A project submitted to the
PERIYAR UNIVERSITY, SALEM

In partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS

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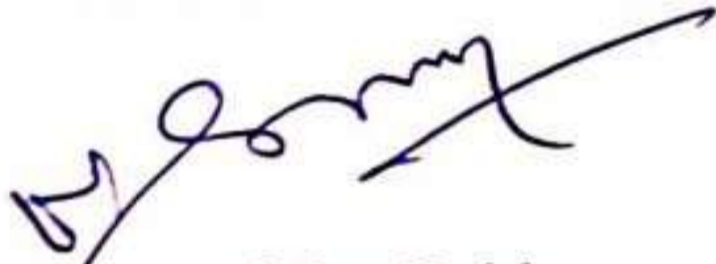
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CERTIFICATE

This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF COPPER OXIDE NANOPARTICLES** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **P.KAVYASHREE (Reg.No:20PPH1480)** during the period 2021-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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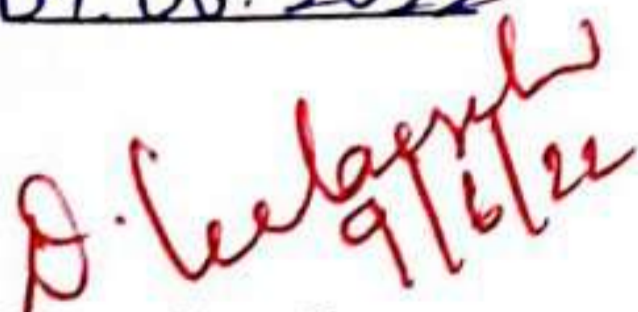


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Examiner I



Examiner II

**SYNTHESIS AND CHARACTERISATION OF COPPER SULPHATE BY
SLOW EVAPORATION METHOD**



A project submitted to the

PERIYAR UNIVERSITY, SALEM

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

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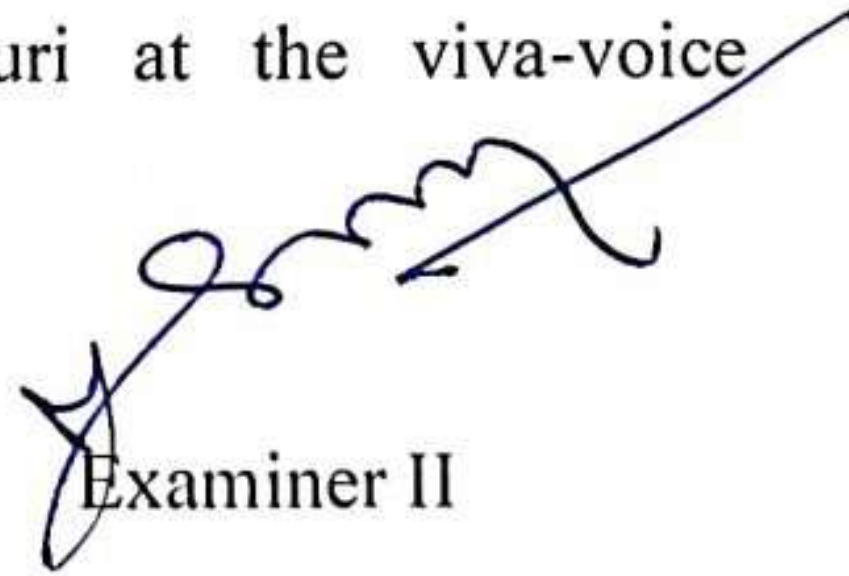

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Examiner I


Examiner II

**SYNTHESIS AND CHARACTERIZATION OF ZINC OXIDE
NANOPARTICLES USING SESBANIA GRANDIFLORA LEAF
EXTRACT**



**A project submitted to the
PERIYAR UNIVERSITY, SALEM**

**In partial fulfillment of the requirement for the award of the degree of
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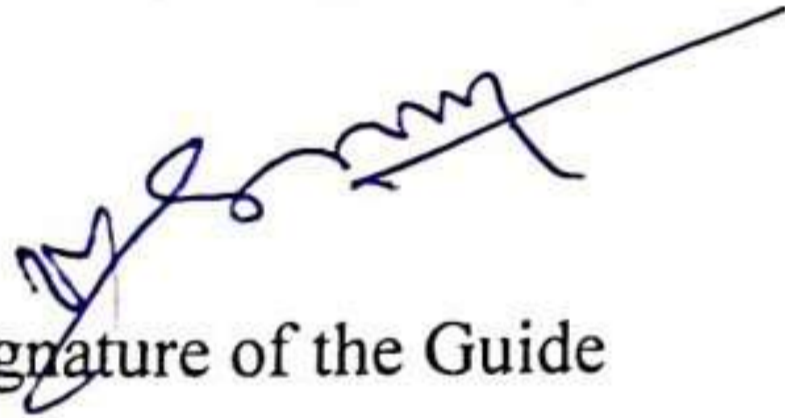


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This is to certify that the dissertation entitled **SYNTHESIS AND CHARACTERIZATION OF ZINC OXIDE NANOPARTICLES USING SESBANIA GRANDIFLORA LEAFEXTRACT** submitted to the Don Bosco College Dharmapuri in partial fulfillment of the requirement for the award of the degree of **Master of Science in Physics** is a record of original research work done by **M.PRIYANKA (Reg.No:20PPH1482)** during the period 2020-2022 of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.



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Examiner I



Examiner II

**STRUCTURAL AND OPTICAL CHARACTERISATION OF
CADMIUM SULPHIDE THIN FILMS PREPARED BY JET NEBULIZER
SPRAY METHOD FOR PHOTOCATALYTIC APPLICATION**

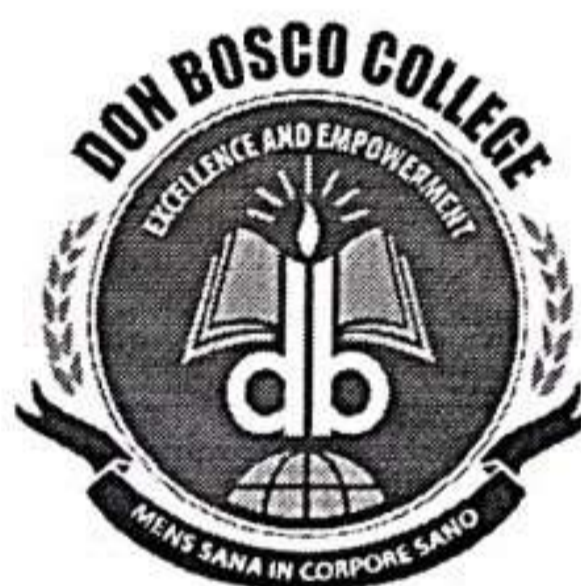


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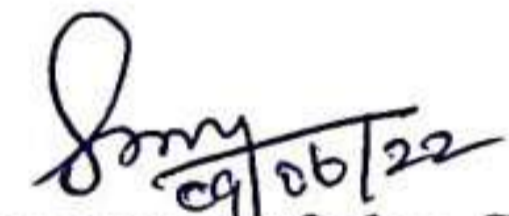
CERTIFICATE

This is to certify that the dissertation entitled **STRUCTURAL AND OPTICAL CHARACTERISATION OF CADMIUM SULPHIDE THIN FILMS PREPARED JET NEBULIZER SPRAY METHOD FOR PHOTOCATALYTIC APPLICATION** Submitted to the Don Bosco College Dharmapuri in partial fulfilment of the requirements for the award of the degree of **Master of Physics** is a record of original research work done by **M. PUVIDAS (Reg. No: 20PPH1471)** during the period **2020-2022** of this study in the Department of Physics, Don Bosco College, Dharmapuri under my supervision and guidance. The dissertation has not formed the basis for the award of any degree or similar title to any candidate of any College or Universities.


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Examiner I


Examiner II

**SYNTHESIS AND CHARACTERIZATION OF Zn DOPED
CuO NANOPARTICLES BY CO-PRECIPIATION METHOD**



**Dissertation submitted to the Periyar University,
Salem**

In partial fulfilment of the requirement

For the award of the degree of

MASTER OF SCIENCE IN PHYSICS

By

A.YEDAL DAYANA

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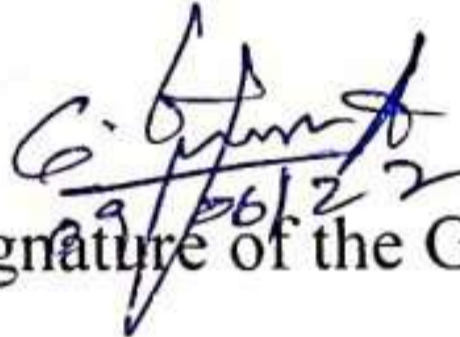
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