

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

DEPARTMENT OF PHYSICS

LIST OF PROJECT STUDENTS 2023-24

S. No.	Program Name	Program Code	Roll No	Name of the Students for PG Projects
1	M.Sc. Physics	PPHA	22-PP-01	EZHILARASU G B
2			22-PP-02	GOGUL VIGNESH V G
3			22-PP-03	HARI PRASATH M
4			22-PP-04	KARTHIK S
5			22-PP-05	LOGANATHAN C
6			22-PP-06	VAIYAPURI A
7			22-PP-07	VIGNESH PRABHU R
8			22-PP-08	VISHNU VARDHAN M
9			22-PP-09	BHAVADHARANI V.
10			22-PP-10	BIRUNDHA N.
11			22-PP-11	BOOMATHI P.
12			22-PP-12	HANSIKA C.
13			22-PP-13	INDUMATHI M.
14			22-PP-14	LAKSHANA S.
15			22-PP-15	POOMANI R.
16			22-PP-16	ROSHNI M.
17			22-PP-17	SARAH JETLIN J.
18			22-PP-18	SIVAKEERTHANA G.
19			22-PP-19	THARIKA P.
20			22-PP-20	THAYYIBA A.
21			22-PP-21	JOSITTA STEFFY Y.

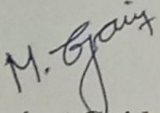
Dr. T.E. Manjulavalli, M.Sc., M.Phil., Ph.D.,
Assistant Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

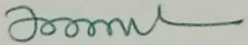
HoD

CERTIFICATE

This is to certify that the project entitled “ **Structures , Bonding and Energetical parameters of Superalkali-NO₂ complexes -A DFT study** ” submitted to Nallamuthu Gounder Mahalingam College (Autonomous) affiliated to Bharathiar university, in partial fulfilment of the requirements for the award of the degree of **Master of science in physics** is a record of original research work done by Bhavadharani V (22-PP-09), Roshni M (22-PP-16), during the period of this study 2023 - 2024 in the postgraduate and Research Department of Physics at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under my supervision and guidance, the dissertation has not formed the basis for the award of any degree / diploma / Associate/ Fellowship/ or other similar title to any candidate of any university.

Countersigned


Project Guide

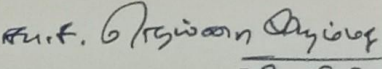

Head of the Department
Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

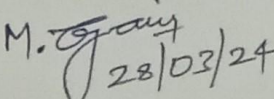
Submitted for the viva-voice examination held on...28.03.24... at Nallamuthu Gounder Mahalingam College, Pollachi.

Place: Pollachi

Date: 28.03.24

Examiners:

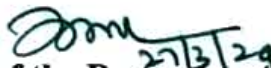
1. 
28-03-24

2. 
28/03/24

CERTIFICATE

The project entitled "ANTIMICROBIAL STUDY OF TRIMETALLIC FeCuCo NANOPARTICLES USING AEGLE MARMELOS LEAF EXTRACT", submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Affiliated to Bharathiyar University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN PHYSICS is a record of original research work done by N.BIRUNDHA (22-PP-10) and P.Boomathi (22-PP-11) during the period 2023-2024 of their study in the Department of Physics, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under my supervision and guidance. The project has not formed the basis for the award of any Degree / Diploma / Associateship/Fellowship or other similar title to any candidate of any University.

Countersigned


Head of the Department

Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

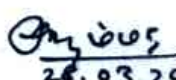

Signature of the Guide
Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the Viva-voce examination held on 28.03.24.. at Nallamuthu Gounder Mahalingam College, Pollachi.

Date: 28.03.24

Place: pollachi

Examiners:

1. En. K. G. Ganesan 
28.03.24
2. 
28/3/24

CERTIFICATE

This is to certify that the project entitled “**EFFECT OF ALKALI METAL IONS (Li^+ , Na^+ and K^+) ON THE STRUCTURAL AND LUMINESCENCE PROPERTIES OF $\text{CaMoO}_4:\text{Dy}^{3+}$ NANOPHOSPHOR**” submitted to Nallamuthu Gounder Mahalingam College (Autonomous), in partial fulfilment of the requirements for the award of the degree of **Master of Science in Physics** is a record of original research work done by **EZHILARASU. G.B and LOGANATHAN. C** during the period of their study **2022-2024** in the Post Graduate and Research Department of Physics at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi under my supervision and the guidance. The project has not formed the basis for the award of any Degree Diploma/ Associate/ Fellowship or other similar title to any candidate of any university.

Countersigned


Head of the Department
Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.


Signature of the Guide
Dr. A. SURESH KUMAR
Assistant Professor
PG and Research Department of Physics
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001, Tamil Nadu, India.

Submitted for the Viva-Voce examination held on 28.03.24 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners

1.  Pny 608
28.3.24

DATE: 28.03.24

PLACE: POLLACHI

2. 
28/3/24

CERTIFICATE

This is to certify that the project, entitled "ANTIOXIDANT ACTIVITY OF GREEN SYNTHESIZED MgO NANOPARTICLES" submitted to the Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to Bharathiar University, in partial fulfillment of the requirements for the award of degree of Master of Science in Physics is a record of original research work done by GOGUL VIGNESH V G during the period 2023-2024 of his study in the Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi under my supervision and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

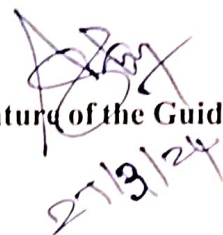
Countersigned



Head of the Department

Dr. T.E. Manjularathi, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

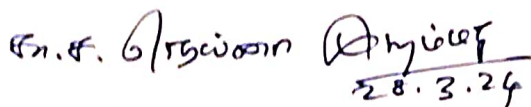
Signature of the Guide

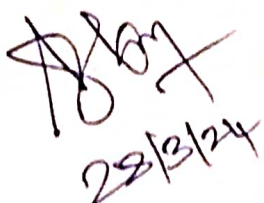

27/3/24

Submitted for the Viva-voce examination held on 28.03.2024 at Nallamuthu

Gounder Mahalingam College, Pollachi.

Examiners:

1. 
28.3.24

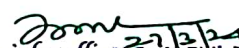
2. 
28/3/24

CERTIFICATE

This is to certify that the project report entitled as "GREEN SYNTHESIS, CHARACTERIZATION AND DYE DEGRADATION STUDY OF ZnO NANOPARTICLES FROM *MANILKARA ZAPOTA* LEAF EXTRACT" submitted to Nallamuthu Gounder Mahalingam College (Autonomous) affiliated to Bharathiar University in the partial fulfillment of the requirement for the award of the degree of Master of Science in Physics is a record of original work done by **HARI PRASATH M (22-PP-03) & THAYYIBA A (22-PP-20)**, during the period of **2022-2024** of their study in the **Department of Physics**, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under the dissertation has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any university.

Countersigned


27.3.24
Project Guide

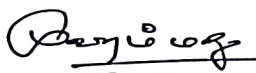
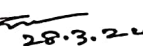

27.3.24
Dr. T. E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Head of the Department
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the viva- voice examination held on...**28.03.2024**.... at Nallamuthu Gounder Mahalingam College, Pollachi.

Place: **Pollachi**

Date: **28.03.24**

Examiners

1. **Dr. K. S. Srinivasan** 
28.03.24
2. **V. S. Srinivasan** 
28.3.24

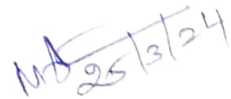
CERTIFICATE

This is to certify that the project report entitled **"THEORETICAL INVESTIGATION OF 2,5-DIIODOTHIOPHENE COMPLEXATION WITH DITOPIC AMINES"** submitted to the Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of Degree of **MASTER OF SCIENCE IN PHYSICS** is a record of original work done by **POOMANI R (22-PP-15)** and **SIVAKEERTHANA G (22-PP-18)** during the period of the study 2022- 2024 in the Department of Physics, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under my supervision and guidance the project has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any university.

Counter signed



Head of the Department



Signature of the Guide

Dr. T.E. Manikumar M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
Department of Physics
Nallamuthu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Dr. M. KARTHIKA, M.Sc., M.Phil., PGDCA, Ph.D.,
Associate Professor
PG & Research Department of Physics
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Pollachi - 642 001, Tamilnadu, India.

Submitted for the Viva-voce examination held on 28/3/24 at Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

Date: 28/3/24

Place: Pollachi

Examiners:

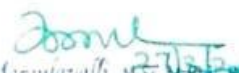
1. Dr. S. Srinivasan 28/3/24
2. MA 28/3/24

CERTIFICATE

This is to certify that the project report entitled as "**PREPARATION AND CHARACTERIZATION OF BLEND BIOPOLYMER ELECTROLYTE BASED ON IOTA CARRAGEENAN AND ALOE VERA FOR SODIUM ION BATTERY**" submitted to Nallamuthu Gounder Mahalingam College (Autonomous) affiliated to Bharathiar University in partial fulfilment of the requirements for the award of the degree of Master of Science in Physics is a record of original work done by SARAH JETLIN J (22-PP-17) during the period 2022-2024 of her study in the Department of Physics, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under my guidance and the dissertation has not formed the basis for the award of any Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any University.

Countersigned


Project Guide
S SHANMUGA PRIYA, M.Sc., M.Phil., Ph.D.,
Associate Professor
PG & Research Department of Physics
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Pollachi - 642 001, Tamilnadu, India

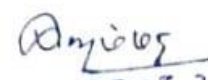
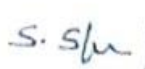

Head of the Department
Dr. T. E. Manimaran, M.Sc., V. Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the viva-voce examination held on 28.03.2024 at
Nallamuthu Gounder Mahalingam College, Pollachi.

Place: POLLACHI

Date: 28/03/24

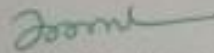
Examiners

1. B. R. Gurusaran 
28.03.24
2. S. S. M.  28/3/24

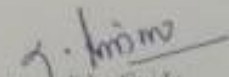
CERTIFICATE

This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF PURE AND MAGNESIUM DOPED BISMUTH MANGANESE OXIDE NANOPARTICLES" submitted to the Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of Degree of MASTER OF SCIENCE IN PHYSICS is a record of original work done by VAIYAPURI A (22-PP-06) and THARIKA P (22-PP-19) during the period of the study 2022- 2024 in the Department of Physics, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, under my supervision and guidance. The project has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any university.

Counter signed



Head of the Department


Signature of the Guide

Dr. T.E. Manjula Valli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

Submitted for the Viva-voce examination held on 28.03.24 at
Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi.

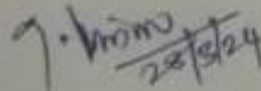
Date: 28.3.24

Place: POLLACHI

Examiners:

1. En. R. Ganesan 28.3.24

2.

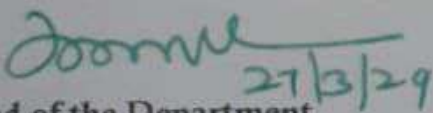

28/3/24

CERTIFICATE

This is to certify that the project entitled "Investigation of Electrochemical Properties of Ball Milled Cobalt Vanadium Oxide" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), affiliated to Bharathiar University, in partial fulfilment of the requirements for the award of the Degree of Master of Science in Physics is a record of original work done by VIGNESH PRABHU.R (22-PP-07), HANSIKA.C (22-PP-12) during the period of my study 2022-2024 under the guidance of Dr.R.Venkatesan, Assistant Professor, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi and the project has formed the basis for the award of any Degree / Diploma / Associate / Fellowship or other similar title to any candidate of any University.

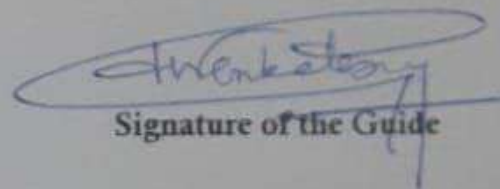
Countersigned

Head of the Department


27/3/24

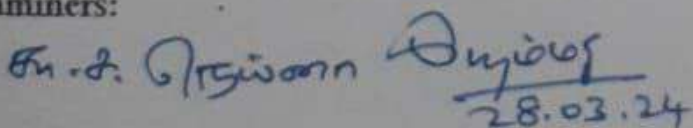
Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

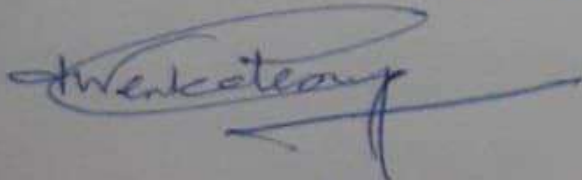
Signature of the Guide



Submitted for viva-voice examination held on 28/03/24 at Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

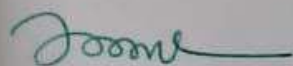
1. 
28.03.24

2. 
28/3/24

CERTIFICATE

This is to certify that the project, entitled "INSIGHTS ABOUT STRUCTURAL, MORPHOLOGICAL AND ELECTROCHEMICAL STUDIES ON NANOCRYSTALLINE $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ CATHODE WITH K^+ ION SUBSTITUTION FOR SODIUM ION BATTERIES" submitted to Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, affiliated to the Bharathiar University, in partial fulfillment of the requirements for the award of degree of **Master of Science in Physics** is a record of original research work done by **Mr. S. KARTHIK (22-PP-04)** during the period 2022-2024 of their study in the **Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi** under my supervision and the project has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned



Head of the Department

Dr. T.E. Manjularavalli, M.Sc., M.Phil., Ph.D.,

Associate Professor and Head

PG & Research Department of Physics

NGM College (Autonomous)

Pollachi - 642 001, Tamil Nadu.



Signature of the Guide

Submitted for the Viva-voce examination held on 28-03-24 at

Nallamuthu Gounder Mahalingam College, Pollachi.

Examiners:

1. Dr. T. Arivudan 28.3.24

2. K. Soma Sdy 28/3/24.