

B Sc Physics 2019-22

Sl. No.	Register Number	Name
1	POATSPH001	FASEENA T K
2	POATSPH002	HIBA HANEENA C M
3	POATSPH003	HIBA SABAHA M V
4	POATSPH004	MEHARA K T
5	POATSPH005	NIBA FATHIMA P M
6	POATSPH006	SHAHVANA K P
7	POATSPH007	MOHAMED HIJAZ V V
8	POATSPH008	ABHIRAMI T
9	POATSPH009	ARIFA C P
10	POATSPH010	AYSHA SHIREEN
11	POATSPH011	FASEELA V A
12	POATSPH012	FATHIMA LIYANA T V
13	POATSPH013	LADHEEDA C M
14	POATSPH014	LUBANA V P
15	POATSPH015	MEGHA P
16	POATSPH016	NAZIYA NOOVI P
17	POATSPH017	RINSHI SHERI K P
18	POATSPH018	SHAHLA SERE V
19	POATSPH019	VISMAYA T P
20	POATSPH020	WAFI K K
21	POATSPH021	RAM MANOHAR T K
22	POATSPH022	ADITHYA P K
23	POATSPH023	AFFEEFA M
24	POATSPH024	ATHIRA K
25	POATSPH025	CHITHRA C
26	POATSPH026	DEVIKA PONNIETH
28	POATSPH028	FASEEHA FEBI C
29	POATSPH029	FATHIMA BINSI K
30	POATSPH030	FATHIMA LASINA P V
31	POATSPH031	FATHIMA MINHA K
32	POATSPH032	HRIDHYA P H
33	POATSPH033	MEHROOSHA PARVIN M H
34	POATSPH034	MIRSHANA P K
35	POATSPH035	NISHIN C
36	POATSPH036	SANDRA A
37	POATSPH037	SHAHANA SHAMEER V V
38	POATSPH038	SHAMILA K P
39	POATSPH039	SHIMNA T
40	POATSPH040	AJAY K
41	POATSPH041	DHEERAJ LAL V
42	POATSPH042	FAHEEM SHAN K A
43	POATSPH043	INDRAJITH T P
44	POATSPH044	MOHAMED SHAHIN T P
46	POATSPH046	RISIN MOHAMED NAZAR
47	POATSPH047	SHAMIL MOHAMED T K
48	POATSPH048	THEJUS MANU
49	POATSPH049	YADHU P

HOD
Department of Physics
MES Ponnani College
Ponnani South
Pin - 679586

Principal
MES Ponnani College
Ponnani South - 679 586



THEORETICAL CALCUALTION OF DENSITY OF STATES

FASEENA T.K.(POATSPH001),NISHIN C(POATSPH035)

SHAHVANA K.P.(POATSPH006),WAFI K.K (POATSPH020)



DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2019-2022

UNDER THE GUIDANCE OF

Mr. MAJEESH M

ASSISTANT PROFESSOR
DEPARTMENT OF PHYSICS
MES PONNANI COLLEGE

A red handwritten signature is located on the right side of the page, below the text 'UNDER THE GUIDANCE OF'.

**“FUNCTIONAL EFFICIENCY OF VOLTMETERS IN
UG PHYSICS LAB OF MES PONNANI COLLEGE”**

PROJECT REPORT

Submitted to university of Calicut
In the partial fulfilment of the requirements for the award of the degree of
BACHELOR OF SCIENCE

Prepared and submitted by
FASEELA V A

REG.NO.POATSPH011

Under the guidance of
MR RIYAS K M
Assistant professor
Department of Physics



MES PONNANI COLLEGE
NAAC Re-Accredited with A+ grade
(Affiliated to the University of Calicut)
Ponnani, Malappuram
2019-2022

**UV-VIS AND FT-IR
SPECTRA STUDIES ON NATURAL DYES**

**LADHEEDA CM(POATSPH013), FATHIMA BINSI K
(POATSPH029), MEHROOSHA PARVIN
MH(POATSPH033), AFEEFA M(POATSPH023), RISIN
MOHAMED NAZAR (POATSPH046)**



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**DEPARTMENT OF PHYSICS
MES PONNANI COLLEGE, PONNANI
(Affiliated to the University of Calicut)**

2019 – 2022

Under the guidance of

Dr. P JAYARAM

ASSISTANT PROFESSOR
PHYSICS DEPARTMENT
MES PONNANI COLLEGE

**BEST SHINGLE (ROOFING MATERIAL) BY
MEASUREMENT OF THERMAL CONDUCTIVITY**

MUHAMMAD HIJAZ V.V (POATSPH007), AYSHA SHIREEN (POATSPH010)

FATHIMA LASINA P.V (POATSPH030), SANDRA A (POATSPH036),

SHAMILA K.P (POATSPH038), YADHU P (POATSPH049)



DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2019-2022

UNDER THE GUIDANCE OF

Mrs. JUMAILATH KARUTHEDATH

ASSISTANT PROFESSOR
PHYSICS DEPARTMENT
MES PONNANI COLLEGE

A handwritten signature in red ink, located to the right of the text 'UNDER THE GUIDANCE OF'. The signature is stylized and appears to be the name of the Assistant Professor mentioned in the text below.

Project report submitted for partial fulfilment of B.Sc. Physics

SIMULATION OF FREELY FALLING SPHERICAL BODY IN A VISCOUS MEDIUM

ARIFA C.P
POATSPH009

Submitted to



University of Calicut
Malappuram Dist., Kerala



Department of Physics
M.E.S Ponnani College
Ponnani South (P.O), Malappuram Dt.
Kerala, INDIA - 679586

May 2022

**A THEORETICAL STUDY ON THE ROLE OF
TERAHERTZ RADIATION IN WIRELESS
COMMUNICATION**

PROJECT REPORT

Submitted to

UNIVERSITY OF CALICUT

In the partial fulfilment of the requirements for the award of the degree of
BACHELOR OF SCIENCE

Prepared and submitted by
HIBA SABAHA. M. V
POATSPH003

Under the guidance of
Mrs. SREEJA LAKSHMI.S
Assistant professor
Department of Physics



A red handwritten signature or set of initials, possibly 'Hiba', is written to the right of the college logo.

MES PONNANI COLLEGE
NAAC Re-Accredited with A+grade
(Affiliated to the University of Calicut)
Ponnani, Malappuram

PHOTOCATALYTIC REDUCTION OF METHYLENE BLUE USING VANADIUM PENTOXIDE

SHAHANA SHAMEER (POATSPH037), SHIMNA T (POATSPH039)

CHITHRA C (POATSPH025), ATHIRA K (POATSPH024)

MEGHA P (POATSPH015), ADITHYA P K (POATSPH022)



DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2019-2022

UNDER THE GUIDANCE OF

SABNA M

ASSISTANT PROFESSOR
DEPARTMENT OF PHYSICS

**“A STUDY ON CONDUCTIVITY OF DOMESTIC
ELECTRIC CABLE”**

PROJECT REPORT

Submitted to

UNIVERSITY OF CALICUT

In the partial fulfilment of the requirements for the award of the degree of
BACHELOR OF SCIENCE

Prepared and submitted by
MOHAMED SHAHIN T P
REG.NO. POATSPH044

Under the guidance of
Dr. JAYAKRISHNAN K
Assistant professor
Department of Physics



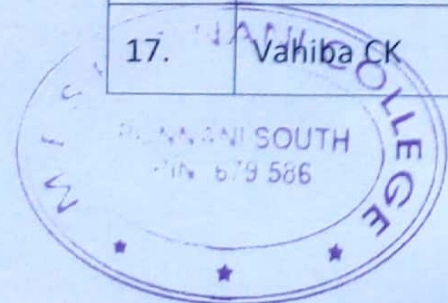
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MES PONNANI COLLEGE
NAAC Re-Accredited with A+grade
(Affiliated to the University of Calicut)
Ponnani, Malappuram
2019-2022

DEPARTMENT OF PHYSICS, MES PONNANI COLLEGE

Details of MSc Project – 4th SEMESTER MSc PHYSICS 2021-2022

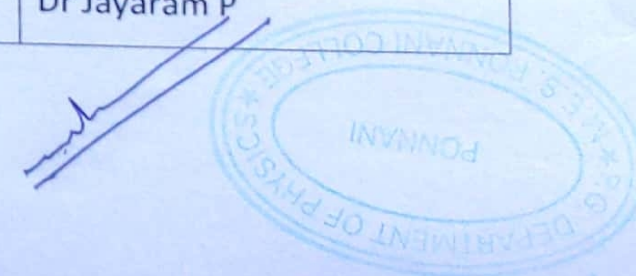
Sl.No.	Name	register number	Title of msc project dissertation	Name Of Guide
1.	Ahalya. P	POAUMPH001	Thermo electricity and thermo electric materials	Muhammed Abdurahman. K
2.	Aiswarya. K	POAUMPH002	Effect of Solvent on emission and absorption maxima, certain conjugated organic molecules	Dr. JAYAKRISHNAN
3.	Aiswarya. K. T	POAUMPH003	Structural analysis by reitveld refinement	Dr. P. Jayaram
4.	Anuvind K N	POAUMPH004	Structure and surface analysis of materials	Dr. P JAYARAM
5.	Arshitha Jasmine	POAUMPH005	Synthesis of Lithium Co Doped Gd2O3:Eu3+	KM Riyas
6.	Arunimadas	POAUMPH006	Structural profile investigation on Sn dopped Nb2O5	Dr. Jayaram P
7.	Basira Nasri VK	POAUMPH008	Structural analysis using rietveld refinement using full	Sabna Miss
8.	Dhanya Chandran PP	POAUMPH009	Newtonian approach for theoretical modeling in exoplanet and observatory data analysis from esoharps mission	Majeesh M
9.	Fathima Samaha PK	POAUMPH010	Characterisation and synthesis of mo doped Nb2O5	Sabna.M
10.	Gowri Sankar S	POAUMPH011	DFT	Jumaila K
11.	Lamiya	POAUMPH012	Electric field distribution of nanohole thin film bisensor method	Muhamed Abdurahman K
12.	Mufeeda VK	POAUMPH013	Synthesis of Lithium Co Doped Gd2O3:Eu3+	Riyas K M
13.	Rinsha Shirin	POAUMPH014	Structural information and peak shape analysis of Mo dopped Nb2O5	Dr.Jayaram
14.	Sandra M S	POAUMPH015	Calculation of time lag between cosmic ray intensity (CRI) and tilt of the heliospheric current sheet (HCS)	Muhamed Abdurahman K
15.	Shahla Ap	POAUMPH016	Effect of conjugation length on the absorption maxima of certain aromatic organic molecule	Dr. Jaya Krishan Sir
16.	Shibinbabu E	POAUMPH017	Barium strontium titanate (bst) characterization	Dr. Abdul Raof
17.	Vahiba CK	POAUMPH018	Structural and photo luminescence Study of Nb-O-Sn compounds	Dr Jayaram P



Anam

Principal
MES Ponnani College
Ponnani South - 679 586

HOD
Department of Physics
MES Ponnani College
Ponnani South
Pin - 679586



B Sc Physics 2019-22

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43	POATSPH043	INDRAJITH T P
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46	POATSPH046	RISIN MOHAMED NAZAR
47	POATSPH047	SHAMIL MOHAMED T K
48	POATSPH048	THEJUS MANU
49	POATSPH049	YADHU P

Thermo electricity and thermo electric materials



Project report submitted in the partial fulfilment of the requirement for the
Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by

Ahalya. P

Reg. no: POAUMPH001

Under the guidance of
Muhammed Abdurahman. K

DEPARTMENT OF PHYSICS
MES PONNANI COLLEGE
(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2020-2022





Effect of Solvent on emission and absorption maxima, certain conjugated organic molecules

Project report submitted in the partial fulfilment of the requirement for the
Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by

AISWARYA K

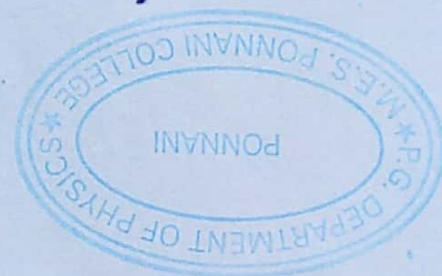
Reg. no: POAUMPH002

Under the guidance of

Dr. JAYAKRISHNAN

**DEPARTMENT OF PHYSICS
MES PONNANI COLLEGE
(AFFILIATED TO THE UNIVERSITY OF CALICUT)**

April 2022



Structural analysis by reitveld refinement



Project report submitted in the partial fulfilment of the requirement for the
Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by

AISWARYA KT

Reg. no: POAUMPH003

Under the guidance of

Dr. P JAYARAM

DEPARTMENT OF PHYSICS
MES PONNANI COLLEGE
(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2020-2022



**AN INVESTIGATION ON USAGE OF ANALYTICAL ON
STRUCTURAL AND SURFACE ANALYSIS OF
MATERIAL**

*Project report submitted in partial fulfilment of the
requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS*

Submitted by,

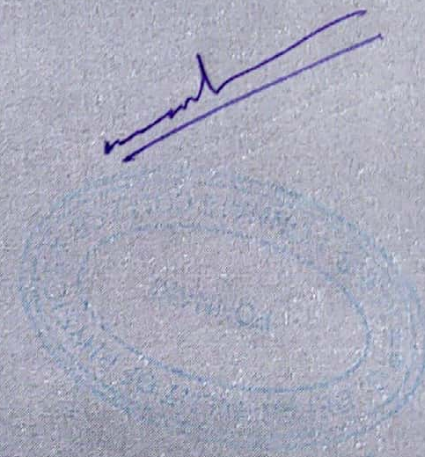
ANUVIND K N

Reg no: POAUMPH004



**DEPARTMENT OF PHYSICS
M.E.S PONNANI COLLEGE
(AFFILIATED TO UNIVERSITY OF CALICUT)
2020-2022**

MES PONNANI COLLEGE, PONNANI



Synthesis and Structural profile Investigations on Sr
PROJECT REPORT
ON
MICROSTRUCTURE ANALYSIS, DISLOCATION DENSITY
AND LUMINESCENCE CHARECTERISATION OF Li and Eu
CO- DOPED Gd₂O₃

Submit in partial fulfillment of the requirements of the award

Of the degree

MASTER OF SCIENCE IN PHYSICS

from

MES PONNANI COLLEGE

BY

ARSHITHA JASMINE (POAUMPH005)

Under the guidance of

Mr. RIYAS.K.M

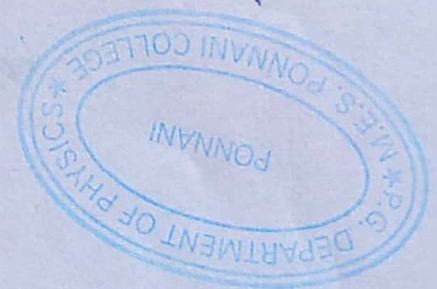
(ASSISTANT PROFESSOR Dpt. OF PHYSICS MES COLLEGE, PONNANI)



Dpt. OF PHYSICS

MES PONNANI COLLEGE

2020-2022



Synthesis and Structural profile Investigations on Sn Doped Nb₂O₅

*Project report submitted in partial fulfilment of the
requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS*

Submitted by,

ARUNIMADAS

Reg no: POAUMPH006



DEPARTMENT OF PHYSICS

M.E.S PONNANI COLLEGE

(AFFILIATED TO UNIVERSITY OF CALICUT)

2020-2022

MES PONNANI COLLEGE, PONNANI



**RIETVELD REFINEMENT OF METAL OXIDES
FOR STRUCTURAL INVESTIGATIONS**



Project report submitted in the partial fulfilment of the requirement for the
Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by.

BASIRA NASRI V K

Reg. no: POAUMPH008

Under the guidance of

Mrs. SABNA

DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2020-2022



**NEWTONIAN APPROACH FOR THEORETICAL
MODELING IN EXOPLANET AND OBSERVATORY DATA
ANALYSIS FROM ESOHARPS MISSION**

A Project Report Submitted to
University of Calicut, Malappuram
In Partial Fulfilment of the Requirements for the Award
of the Degree of

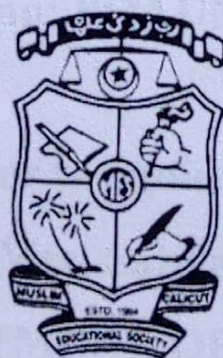
MASTER OF SCIENCE
in
PHYSICS

by

DHANYA CHANDRAN P P
Register Number : POAUMPH009

Under the guidance of

Mr. MAJEESH M
Assistant Professor, Department of Physics,
MES Ponnani College, Ponanni.



Department of Physics
MES PONNANI COLLEGE
PONNANI - 679 586
August 2022



**SYNTHESIS, STRUCTURAL ELUCIDATION AND
OPTICAL CHARACTERIZATION OF Nb-Mo-O
SOLID SOLUTION**



Project report submitted in the partial fulfilment of the requirement for the

Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by,

FATHIMA SAMAHA.PK

Reg. no: POAUMPH010

Under the guidance of

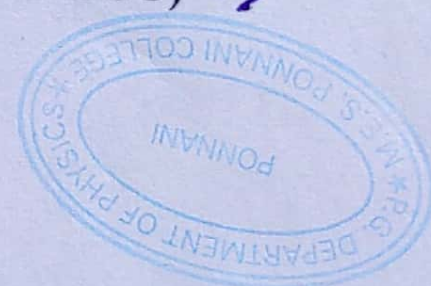
Mrs. Sabna M

DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2020-2022



Study Of 2-Fluoro-4-iodoaniline Molecule By Density Functional Theory

A project report submitted in partial fulfillment of the requirement for
the award of the degree of Master of Science in Physics

By

GOWRI SANKAR S
Reg.No: POAUMPH011
M.E.S PONNANI COLLEGE
PONNANI SOUTH



Under the guidance of

JUMAILATH KARUTHEDATH
Assistant Professor
M.E.S Ponnani College, Ponnani
2020-2022



Bimetallic Ag@Au core-shell nanostructure as an improved refractive index sensor

Project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS

Submitted by,

LAMIYA

Reg no: POAUMPH012



DEPARTMENT OF PHYSICS
M.E.S PONNANI COLLEGE
(AFFILIATED TO UNIVERSITY OF CALICUT)
2020-2022



**STRUCTURAL AND OPTICAL
CHARACTERISATION
OF Li AND Eu CO-DOPED Gd_2O_3**



Project report submitted in the partial fulfilment of the requirement for the

Award of the degree of

MASTER OF SCIENCE IN PHYSICS

Submitted by,

MUFEEDA VK

Reg. no: POAUMPH013

Under the guidance of

Mr. RIYAS KM

DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(AFFILIATED TO THE UNIVERSITY OF CALICUT)

2020-2022



DETERMINATION OF OPTICAL BAND GAP OF Sn DOPED Nb₂O₅ BY UV-VISIBLE SPECTROSCOPY

*Project report submitted in partial fulfilment of the
requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS*

Submitted by

RINSHA SHIRIN

Reg no: POAUMPH014



DEPARTMENT OF PHYSICS

M.E.S PONNANI COLLEGE

(AFFILIATED TO UNIVERSITY OF CALICUT)

2020-2022

MES PONNANI COLLEGE, PONNANI



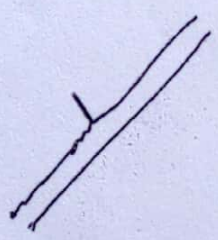
**CALCULATION OF TIME-LAG BETWEEN COSMIC RAY INTENSITY AND TILT C
THE HELIOSPHERIC CURRENT SHEET**

Project report submitted in partial fulfillment of requirement for award of the degree of
Master of Science in Physics

Submitted by

Name: SANDRA M S

Reg No: POAUMPH015



DEPARTMENT OF PHYSICS

M.E.S. COLLEGE PONNANI
(Affiliated to University of Calicut)

Batch: 2020-2022



**AN INVESTIGATION ON THE EFFECT OF CONJUGATION
LENGTH ON THE ABSORPTION AND EMISSION SPECTRA
OF CERTAIN AROMATIC ORGANIC MOLECULES**

Project report submitted in partial fulfillment of the requirement for
the Award of the degree of Master of science in Physics

Submitted by

SHAHLA AP

REGISTER NO: POAUMPH016



Under the guidance of

Dr. Jaya Krishnan

DEPARTMENT OF PHYSICS

MES PONNANI COLLEGE

(Affiliated to University of Calicut)

2020-2022



SYNTHESIS AND CHARACTERIZATION OF BARIUM STRONTIUM TITANATE

*Project report submitted in partial fulfilment of the
requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS*

Submitted by,

SHIBINBABU E

Reg no: POAUMPH017



Shibinbabu E

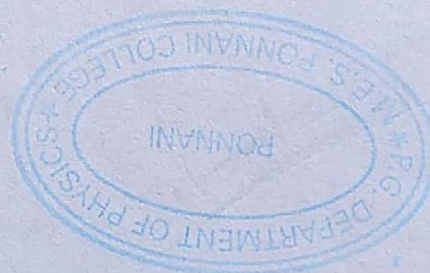
DEPARTMENT OF PHYSICS

M.E.S PONNANI COLLEGE

(AFFILIATED TO UNIVERSITY OF CALICUT)

2020-2022

MES PONNANI COLLEGE, PONNANI



SURFACE CHEMICAL STATE ANALYSIS AND PHOTOLUMINESCENCE STUDIES ON Nb-Sb-O COMPOUNDS

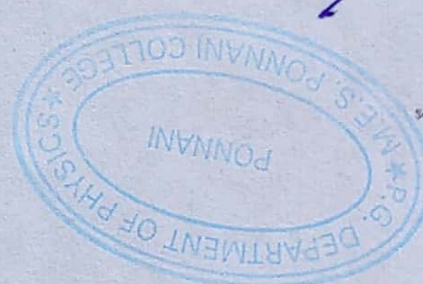
*Project report submitted in partial fulfilment of the
requirement for the award of the degree of
MASTER OF SCIENCE IN PHYSICS*

*Submitted by,
VAHIBA CK*

Reg no: POAUMPH018



**DEPARTMENT OF PHYSICS
M.E.S PONNANI COLLEGE
(AFFILIATED TO UNIVERSITY OF CALICUT)
2020-2022**



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