

VISION : Enlightenment Through Education,
Strength Through Organization.



SREE NARAYANA COLLEGE KANNUR

ACCREDITED BY NAAC WITH 'A' GRADE (AFFILIATED TO KANNUR UNIVERSITY)
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🌐 www.sncollegekannur.ac.in



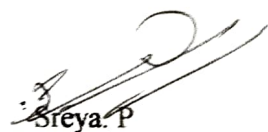
PROJECT WORK- DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project work entitled **“COPPER TUNGSTATE - HEXAGONAL BORON NITRIDE COMPOSITE PHOTOCATALYST FOR ENHANCED DEGRADATION OF METHYLENE BLUE UNDER VISIBLE LIGHT IRRADIATION”** is a bonafide work of Anaswara. M (C2PSCH1304) MSc pure chemistry in the Department of Chemistry, Sreenarayana college Kannur under the supervision and guidance of Assistant prof. SREYA.P, in partial fulfilment for the requirements of the award of the degree of Master of science in pure chemistry during the academic year 2022-2024.

Kannur

May 2024



Sreya P

Assistant professor

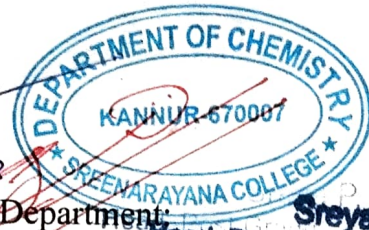
Sree Narayana College, Kannur

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS, CHARACTERISATION AND SUPERCAPACITOR APPLICATION OF MoS₂ NANOPARTICLES" done by ANAGHA SASI Reg no.C2PSCH1303, PG Department of Chemistry, Sree Narayana College, Kannur submitted to Kannur University for the partial fulfillment for the award of the **DEGREE OF MASTER OF SCIENCE IN CHEMISTRY** during the academic year 2022-2024.

Signature of Guide:

DR. JITHESH K
ASSISTANT PROFESSOR



Signature of Head of the Department:

Sreya P.
Head, Post Graduate & Research
Department of Chemistry
Sree Narayana College, Kannur.

Signature of External Examiner:

①

Dr Manjuslia Mathew

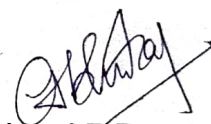
21/07/24

②

MD Syams

DECLARATION

I hereby declare that the Thesis entitled "**SYNTHESIS AND CHARACTERISATION OF MIXED METAL OXIDE NANO COMPOSITE FOR ENVIRONMENTAL REMEDIATION**" submitted to Kannur University in partial fulfillment of the requirements for the award of the Degree of Master of science in Chemistry is an authentic record of the work done by me under the guidance of **Dr. CHARISHMA RAVINDRAN**, Assistant Professor on contract, Department of Chemistry, S.N.College, Kannur and that, this has not previously formed the basis for the award of any Degree or Diploma of any other University or Institution.



Abhinraj P P

(REG.No: C2PSCH1301)

**SREE NARAYANA COLLEGE
KANNUR**



CERTIFICATE

This is to certify that project work entitled "SYNTHESIS CHARACTERIZATION AND BIOLOGICAL APPLICATION OF NOVEL SCHIFF BASES" is a bonafied work of APARNA V (REG. NUMBER: C2PSCH1305) MSc Chemistry in Department of Chemistry Sree Narayana College ,Kannur under the supervision and guidance at Sree Narayana College ,Kannur , in partial fulfilment for the requirements of award of degree of Master of Science in Chemistry during academic year 2022-2024.

Kannur

JUNE 2024

Mr Mahesh S

Assistant professor

Sree Narayana College, Kannur

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "INVESTIGATION OF THE EFFECT OF COPPER AND NICKEL CO-DOPING ON ZINC OXIDE NANOPARTICLES FOR WATER TREATMENT; A GREEN APPROACH" submitted to the Kannur University, in partial fulfilment of the requirements for the degree of Master of Science in Chemistry is a record of the original research work done by **FIDA FAISAL** (Reg. No: **C2PSCH1306**) during the period of her study in the Department of Chemistry of Sree Narayana College, Kannur.


Dr. VINISHA VALSARAJ P.

Sree Narayana College, Kannur

Signature:

Dr. VINISHA VALSARAJ P
ASSISTANT PROFESSOR
DEPT. OF CHEMISTRY
S N COLLEGE, KANNUR
PIN: 670 007

CERTIFICATE

This is to certify that this project entitled "GREEN SYNTHESIS OF MnO_2 NANOPARTICLE" is a bonafide record of the project work done by HRIDHYA TK. Reg no.C2PSCH1307 during the academic year 2022-2024 in partial fulfilment of the requirement for the degree of master of science in chemistry.

Project guide.

Aparna N

Aparna N.
Assistant Professor
PG Dept of Chemistry
Sree Narayana College
Kannur - 670 007

BONAFIDE CERTIFICATE

This is to certify that the project report entitled '**Mixed metal oxide composite for environmental remediation**' is a bonafide record of the work done by **JINSIYA.C.H** (Reg No: **C2PSCH1308**), Dept. of Chemistry, Sree Narayana College, Kannur under my guidance and supervision for the partial fulfillment of Master of Science in Chemistry.

Dr. JITHA KUNHIKRISHNAN, M
Assistant Professor
Dept. of Chemistry
Sree Narayana College
Kannur - 670007



Dr. JITHA KUNHIKRISHNAN, M

SREE NARAYANA COLLEGE, THOTTADA, KANNUR
(Affiliated to Kannur University)



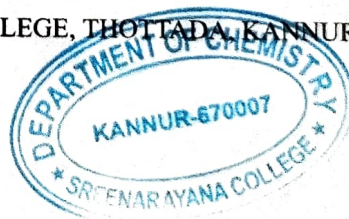
CERTIFICATE

This is to certify that the project work entitled “**METAL OXIDE POLYMER NANOCOMPOSITE MEMBRANE FOR ENVIRONMENTAL REMEDIATION**” is a bonafide work of **KADEEJATHUL SHAHAMA (C2PSCH1309)** under the guidance of Mrs. Geetha devi K T, Assistant Professor, Department of Chemistry, Sree Narayana College, Kannur, in partial fulfillment for the requirements of award of the Degree of Master of Science in Chemistry, during the period 2022-2024.

KT
29.6.24

KANNUR
JUNE 2024

Mrs. GEETHA DEVI K T
ASSISTANT PROFESSOR OF CHEMISTRY
SREE NARAYANA COLLEGE, THOTTADA, KANNUR



**SYNTHESIS OF A C₃ SYMMETRICAL AMIDE FUNCTIONALIZED
CARBAZOLE DERIVATIVE**



PROJECT SUBMITTED TO THE KANNUR UNIVERSITY
IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE POSTGRADUATE DEGREE IN CHEMISTRY

BY

MANEESHA C

Reg No: C2PSCH1310

Under the supervision of

Dr. KRISHNAN KARTHA KALATHIL

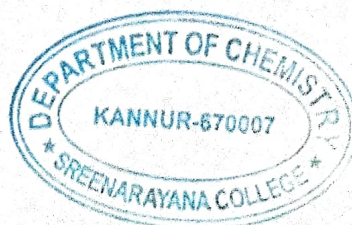
Examiners

1) *[Signature]*

2) *Dr Manjusree Mathew km*
17/12/24

[Signature]
Head of the Department

Sreya P.
Head, Postgraduate & Research
Department of Chemistry
Sree Narayana College, Kannur



DEVELOPMENT OF AN AMPHIPHILIC BODIPY SYSTEM



PROJECT SUBMITTED TO THE KANNUR UNIVERSITY IN THE PARTIAL FULFILLEMENT OF
THE REQUIREMENTS FOR THE POST GRADUATE DEGREE IN CHEMISTRY

BY

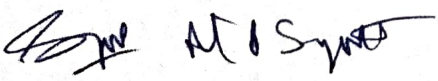

NEHA M

Reg No: C2PSCH1311

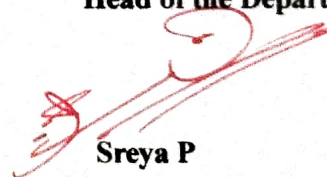
Under the guidance of

Dr. KRISHNAN KARTHA KALATHIL

Examiners

1.  Dr. Manjusha Malhe
2.  Dr. Manjusha Malhe
Rm
1/7/24

Head of the Department


Sreya P

SYNTHESIS OF A STIMULI-RESPONSIVE MACROCYCLIC SYSTEM



PROJECT SUBMITTED TO THE KANNUR UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE POSTGRADUATE DEGREE IN CHEMISTRY

BY

RAGAPRIYA K M

REG NO: C2PSCH1312

Under the guidance of

Dr. KRISHNAN KARTHA KALATHIL

Examiners

Head of the Department

1) *[Signature]* M's Suresh

SREYA P

2) *Dr Manjusla Mathew* 1/7/24

DESIGN AND SYNTHESIS OF NAPHTHALENE DIIMIDE BASED CONJUGATED POLYMERS FOR OPTOELECTRONIC APPLICATIONS



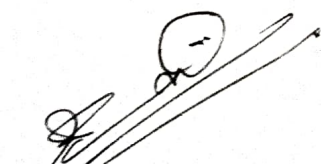
A DISSERTATION SUBMITTED TO THE UNIVERSITY OF KANNUR IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE
IN
CHEMISTRY

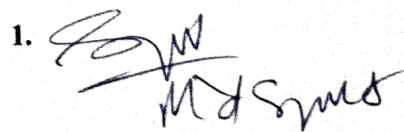
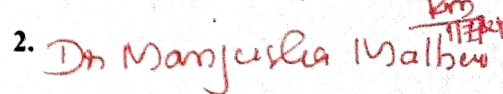
BY

SAMANYA P
Reg No: C2PSCH1313
Exam Code: CHE4Pr, Project (R)

Head of the Department


SREYA.P

Examiners

- 
- 

SYNTHESIS OF AN AMPHIPHILIC RESVERATROL



PROJECT SUBMITTED TO THE KANNUR UNIVERSITY
IN PARTIAL FULFILMENT OF THE REQUIREMENT
FOR THE POST GRADUATE DEGREE IN CHEMISTRY.

BY

SNEHA T C

(REG.NO:C2PSCH1314)

Under the guidance of

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Head of the Department

SREYA P

EXAMINERS

1. *[Signature]*

2. *Dr Manjusha Malbew* ^{Dr} _{-11/7/24}

Design and Synthesis of Ebselen – Type Systems



PROJECT SUBMITTED TO THE KANNUR UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE POSTGRADUATE DEGREE IN CHEMISTRY

BY

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Examiners

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2) *Dr Manjusree Malhekar Rom*
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Head of the Department

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Sreya P.
Head, Post Graduate & Research
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Sree Narayana College, Kannur
SREYA P

ADSORPTION AND DRUG RELEASE PROPERTIES OF CIPROFLOXACINE LOADED VARIOUS MAGNETIC AND NON-MAGNETIC METAL OXIDE NANOPARTICLES



Project report submitted to Kannur university in partial
fulfilment of the requirements for the award of the
post graduate degree in chemistry



By

AISWARYA.T

REG.NO:C2PSCH1302

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Handwritten signature of Dr. Sumitha Chandran U K in black ink.

Dr. SUMITHA CHANDRAN U K

Head of Department

Handwritten signature of Sreya P in red ink.

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1) M D Smt
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2) Dr Manjula Mathew ^{Dr} 11/7/24



PROJECT REPORT

Submitted to Kannur University

For BSc Degree (Chemistry)

By

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Register No: SN21CCHR20

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2. SASNEHA DILIP K

3. SIYA SOORAJ K

4. SNIGDHA S JEEVAN

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APARNA K

Head of the department

SREYA P

Sreya P.
Head, Post Graduate & Research
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GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES



A Project Report Submitted to Kannur University in Partial Fulfilment for the BSc Degree (Chemistry) By

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Examiners:

- 1)
- 2)

Name & Designation of Project Guide:
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Asst.Professor (Dept. of Chemistry)
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**SYNTHESIS, CHARACTERIZATION AND
APPLICATION OF ZINC OXIDE NANOPARTICLES IN
ENVIRONMENTAL REMEDIATION**

A PROJECT REPORT

*Submitted to Kannur University in partial fulfillment of
the requirement for the award of degree of*

BACHELOR OF CHEMISTRY

Submitted by

.....
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Members of the group

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KEERTHANA.C REG. NO: SN21CCHR37

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Under the guidance of

Mrs. GEETHA DEVI K.T.

(Assistant Professor, Department of Chemistry)



**DEPARTMENT OF CHEMISTRY
SREE NARAYANA COLLEGE,
THOTTADA, KANNUR**

EXTRACTION OF NATURAL DYES FROM PLANT AND ITS APPLICATION IN COLOURING PROCESS IN CLOTH INDUSTRIES

A Project Report Submitted to Kannur University in Partial Fulfillment for the BSc Degree
(Chemistry) By

Name: **NIVED K P**

Reg no: **SN21CCHR29**

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3. **PRIMSHA K P (SN21CCHR41)**
4. **N ADWAITH KRISHNA (SN21CCHR27)**


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- 1)
- 2)

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PROJECT REPORT
Submitted to Kannur University
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- 3.ARJUN V (SN21CCHR03)
- 4.ANIRUDH MOHAN (SN21CCHR02)
- 5.ARYA RAJESH (SN21CCHR08)

Project guide

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SREYA P