



Department of Materials Science,
Mangalore University,
Mangalagangothri-574199,
October 2021

CERTIFICATE

This is to certify that the work presented in the dissertation entitled

"A REVIEW REPORT ON SYNTHESIS OF Ag-Cu BIMETALLIC NANOPARTICLE"

by **ATHIRA M** submitted as the report of the mini project for the degree, Master of Science in Materials Science was carried out under my guidance. The present work or any part thereof has not been submitted to any other university for the award of any other degree or diploma.

Date: 29/10/2021

Place: Mangalagangothri

Dr. Rani. M. Pattabi
Assistant Professor



MANGALORE UNIVERSITY

Department of Materials Science,

Mangalore University,

Mangalagangothri-574199,

October 2021

CERTIFICATE

This is to certify that the work presented in the dissertation entitled "A REVIEW ON EFFECT OF DIFFERENT DOPANTS ON THE ELECTRICAL, OPTICAL AND STRUCTURAL PROPERTIES OF ZnO THIN FILMS" by DIVYA BHARATHI O submitted as the report of the mini project for the degree, Master of Science in Materials Science was carried out under my guidance. The present work or any part thereof has not been submitted to any other university for the award of any other degree or diploma.

Date:

Place: Mangalagangothri


Prof. Manjunatha Pattabi

Chairman

Department of Materials Science

Mangalore University

MANGALAGANGOTRI - 574 19



MANGALORE UNIVERSITY

Department of Materials Science,

Mangalore University,

Mangalagangothri-574199,

October 2021

CERTIFICATE

This is to certify that the work presented in the dissertation entitled "A REVIEW ON EFFECT OF DIFFERENT DOPANTS ON THE ELECTRICAL, OPTICAL AND STRUCTURAL PROPERTIES OF ZnO THIN FILMS" by GAYATHRI K submitted as the report of the mini project for the degree, Master of Science in Materials Science was carried out under my guidance. The present work or any part thereof has not been submitted to any other university for the award of any other degree or diploma.

Date:

Place: Mangalagangothri


Prof. Manjunatha Pattabi

Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI - 574199

Mangalore  University



MANGALORE UNIVERSITY

(Accredited by NAAC)

DEPARTMENT OF MATERIALS SCIENCE

Mangalagangothri, Dakshina Kannada-574199

CERTIFICATE

Certified that the Project work entitled **"A REVIEW ON BIOCOMPOSITES AND THEIR APPLICATIONS"** is a literature review report carried out by **Mr. Manoj** under the guidance of Dr. Vishwanath T., Assistant Professor of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 20/11/2021


Dr. Vishwanath T
Project Guide


Dr. Manjunatha Pattabi
Chairman of the Department
Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTHRI-574199

Mangalore  University



MANGALORE UNIVERSITY

(Accredited by NAAC)

DEPARTMENT OF MATERIALS SCIENCE

Mangalagangothri, Dakshina Kannada-574199

CERTIFICATE

Certified that the Project work entitled "**A REVIEW ON BIOCOMPOSITES AND THEIR APPLICATIONS**" is a literature review report carried out by **Ms. Nidhi P. M.** under the guidance of **Dr. Vishwanath T.** Assistant Professor of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 26.11.2021


Dr. Vishwanath T
Project Guide


Dr. Manjunatha Pattabi
Chairman of the Department
Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI - 574 199



MANGALORE UNIVERSITY

Department of Materials Science,

Mangalore University,

Mangalagangothri-574199,

October 2021

CERTIFICATE

This is to certify that the review work presented in the dissertation entitled
**"POLYMER BASED TiO_2 HYBRID LAYERS FOR
PEROVSKITE SOLAR CELLS"** by Sonika Shetty and Poornima
A R, submitted as the report of the mini project for the degree, Master of
Science in Materials Science was carried out under my guidance. The
present work or any part thereof has not been submitted to any other
university for the award of any other degree or diploma.

Date: 29/10/2021

Place: Mangalagangothri

Dr. Thirumaleshwara N Bhat

DST-INSPIRE Faculty

Mangalore  University



MANGALORE UNIVERSITY

(Accredited by NAAC)

DEPARTMENT OF MATERIALS SCIENCE

Mangalagangothri, Dakshina Kannada-574199

CERTIFICATE

Certified that the Project work entitled "**A REVIEW ON BIOCOMPOSITES AND THEIR APPLICATIONS**" is a literature review report carried out by **Mr. Preetham Fernandes** under the guidance of Dr. Vishwanath T., Assistant Professor of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 29/10/2021


Dr. Vishwanath T
Project Guide


Dr. Manjunatha Pattabi
Chairman of the Department
Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI-574 199



MANGALORE UNIVERSITY

Department of Materials Science,

Mangalore University,

Mangalagangothri-574199,

October 2021

CERTIFICATE

This is to certify that the work presented in the dissertation entitled

“A REVIEW REPORT ON SYNTHESIS OF Ag-Cu BIMETALLIC NANOPARTICLE ”

by **ATHIRA M** and **SHIVA KUMAR M** submitted as the report of the mini project for the degree, Master of Science in Materials Science was carried out under my guidance. The present work or any part thereof has not been submitted to any other university for the award of any other degree or diploma.

Date: 29/10/2021

Place: Mangalagangothri

Dr. Rani. M. Pattabi

Assistant Professor