



MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574199

CERTIFICATE

This is to certify that the project report entitled “**Analysis of mycotoxins in food, agricultural and nutraceutical by HPLC**” is the bonafide work carried out at ALS Testing Services Pvt. Ltd., Bangalore by **Ms. ADITHI G. BANGERA** (Reg. No. 2035691396101, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Jayashree A.** Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020-2021, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Industrial Chemistry.

10/10/22

Signature of the Project Guide

Dr. Jayashree A.

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri- 574199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574199



MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date: 7-10-2022

CERTIFICATE

This is to certify that the project report entitled "Synthesis and Characterization of Impurities" is the bonafide work carried out by Mrs. Aleena Elizabeth Thomas, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of Dr. Charithra M.M, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2020-2022, in partial fulfillment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Charithra M. M.
10/10/2022

Signature of the Supervisor

Dr. Charithra M . M
Guest Faculty
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574199

Ramesh S. Gani

Signature of the Chairman

Dr. Ramesh S. Gani
Assistant Professor
Department of Industrial Chemistry
Mangalore University
Managalagangothri-574199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALAGANGOTHRI-574199



CERTIFICATE

This is to certify that the project report entitled **"SYNTHESIS AND CHARACTERIZATION OF SOME IMPURITIES OF NITROSOAMINE"** is the bonafide work carried out at Apotex Pharmachem India Private Limited, Bengaluru by Ms. **ANANYA V. SHETTY**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University. This work has been carried out under the guidance of Dr. Jayashree A., Department of Industrial Chemistry, Mangalore University, Mangalagangothri, as part of the academic year 2021-2022, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Industrial Chemistry.

Signature of the Chairperson
Dr. Ramesh S. Gani
Department of Industrial Chemistry
Mangalore University
Mangalagangothri -574 199

10/10/22

Signature of the Project Supervisor
Dr. Jayashree A.
Department of Industrial Chemistry
Mangalore University
Mangalagangothri- 574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199



DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574199

Place: Mangalagangothri

Date: 07-10-2022

CERTIFICATE

This is to certify that the work presented in the project work entitled “**Synthesis of dichloro pyrimidine derivatives**” has been satisfactorily carried out at Anthem Biosciences Pvt. Ltd., Bangalore by, **Mr. ANKITH SHETTY** student of M.Sc. (Industrial Chemistry), as a partial fulfilment for the award of the degree of Master of Science in Industrial Chemistry, Mangalore University. This work has been carried out under the guidance of **Dr. Ramesh S. Gani**, Assistant professor and Chairman, Department of Industrial Chemistry, Mangalore University.

Signature of the Supervisor

Dr. Ramesh S. Gani

Assistant professor and
Chairman, Department of
Industrial Chemistry,
Mangalagangothri-574199

Signature of the Chairman

Dr. Ramesh S. Gani

Assistant professor and
Chairman, Department of
Industrial Chemistry,
Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI -574199

CERTIFICATE

This is to certify that the Industrial project report entitled “**LIHMDS-CATALYSED ESTER - AMINE COUPLING**” is a bonafide work carried out at Syngenta Bioscience Pvt. Ltd., Goa by Ms. **Anwitha K. (Reg.No:203591396105)**, a student of II M.Sc. (IV semester) Industrial Chemistry, Mangalore University. This work has been carried out under the guidance of **Dr. Jayashree A.**, Department of Industrial Chemistry, Mangalore University, Mangalagangothri, as part of academic year 2020-2022 in partial fulfillment of the requirement for the award of the Degree of Master of Science in Industrial Chemistry.

Signature of the Project Guide

Dr. Jayashree A.

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199.

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199.

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199



MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574199

KARNATAKA, INDIA

CERTIFICATE

This is to certify that the project report entitled "Synthesis of a few pyridyl derivatives: towards the synthesis of DNA polymerase theta inhibitors" is the bonafide work carried out by Ms. Arpitha, a student of II M.Sc (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of Dr.Charithra M. M., Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

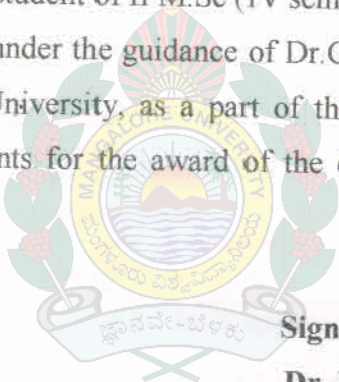
Charithra M.M.
10/10/2022
Signature of the Supervisor

Dr. Charithra M. M

Department of Industrial Chemistry

Mangalore University

Mangalagangothri – 574 199



[Signature]
Signature of the Chairperson

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri – 574 199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

MANGALORE



UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574 199

KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *10-10-22*

Certificate

This is to certify that the project report entitled "**CROSS-ELECTROPHILE COUPLING OF ARYL TRIFLATES WITH ARYL TOSYLATES**" is the bonafide work carried out by **Ms. Chandini K. S. (Reg. No : 203591396107)** a student of M.Sc. (IV Semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr. Arun Krishna Kodoth

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

CHAIRMAN

iv Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE
DEPARTMENT OF



UNIVERSITY
INDUSTRIAL CHEMISTRY

Place: Mangalagangothri
Date: 03-Oct-2022

CERTIFICATE

This is to certify that the project report entitled “**Synthesis and characterization of 3-(5-(3-hydroxypropyl)-1-oxoisindolin-2-yl)piperidine-2,6-dione**” is the bonafide work carried out by **Ms. Dhyana K**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of Dr. Ramesh S Gani, Assistant professor and chairman, Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor
Dr. Ramesh S Gani
Assistant professor and chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

Signature of the Chairperson
Dr. Ramesh S Gani
Assistant professor and chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

CERTIFICATE

MANGALORE UNIVERSITY
MANGALAGANGOTTHRI – 574199



This is to certify that the Industrial project report entitled “INSIGHT OF MODERN CHEMICAL INDUSTRY AND SYNTHESIS OF FEW N, N'-DIMETHYL-4-ARYL-TRIAZOLIDINE-3,5-DIONE DERIVATIVES” is the bonafide work carried out by Ms. Geethashree H. (Reg.No:203591396109) a student of M.Sc. Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfillment of the requirements for the award of the degree of Masters of Science in Industrial Chemistry.

Signature of the supervisor

Dr. Ramesh. S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

Signature of Head of the Department

Dr. Ramesh. S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

MANGALORE UNIVERSITY

MANGALAGANGOTHRI – 574199



CERTIFICATE

This is to certify that the work presented in the project work entitled "SYNTHESIS AND CHARACTERIZATION OF USEFUL ORGANIC INTERMEDIATES FOR AGROCHEMICAL RESEARCH" has been satisfactorily carried out at Syngenta Biosciences Pvt. Ltd., Goa by Greeshma B H student of M.Sc. (IV semester) Industrial Chemistry, as a partial fulfilment for the award of the degree of Master of Science in Industrial Chemistry, Mangalore University. This work has been carried out under the combined guidance of Dr. Ramesh S Gani, Assistant professor and Chairperson of Industrial Chemistry, Mangalore University, Mangalagangothri-574199.

Signature of the Head of the Department

Dr. Ramesh S Gani

Assistant professor and chairman

Mangalore University

Mangalagangothri

CHAIRMAN

Department

Chemistry

Signature of the guide

Dr. Ramesh S Gani

Assistant professor and chairman

Mangalore University

Mangalagangothri

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

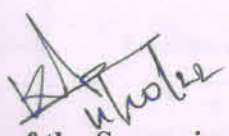
MANGALAGANGOTTHRI-574 199

KARNATAKA, INDIA

Place: Mangalagangothri
Date: 11-10-22

Certificate

This is to certify that the project report entitled "A GENERAL $C(sp^3)-C(sp^3)$ CROSS-COUPLING OF BENZYL SULFONYL HYDRAZONES WITH ALKYL BORONIC ACIDS" is the bonafide work carried out by **Ms. Jalajakshi**, (Reg. No: 203591396111) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.


Signature of the Supervisor

Dr. Arun Krishna Kodoth

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199


Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

MANGALORE



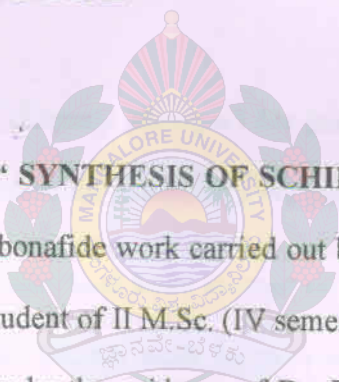
UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date: 14/10/2022

CERTIFICATE



This is to certify that the project report entitled “ **SYNTHESIS OF SCHIFF BASES AND 1,3,4-OXADIAZOLE DERIVATIVES**” is the bonafide work carried out by **Ms. Kalyani** ,
Register number: 203591396112 (2021-22) a student of **II M.Sc. (IV semester)**, Department
of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S. Gani**,
Chairman and Assistant Professor, Department of Industrial Chemistry, Mangalore University,
as a part of her academic year 2021-2022, in partial fulfilment of the requirements for the award
of the degree of Master of Science in Industrial Chemistry. The work has been carried out at
Solara Active Pharma Sciences Limited, Mangalore.

Signature of the supervisor

Dr. Ramesh S. Gani

Chairman and Assistant professor

Department of Industrial Chemistry

Mangalore University

Mangalagangothri

Signature of the Chairman

Dr. Ramesh S. Gani

Chairman and Assistant professor

Department of Industrial Chemistry

Mangalore University

Mangalagangothri

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALORE UNIVERSITY

MANGALAGANGOTHRI-574199



CERTIFICATE

This is to certify that the project report entitled “Synthesis and characterization of substituted heterocyclic carboxylic acids (like indole, quinazoline, quinoline) and substituted heterocyclic anilines (like 4 amido and 4 sulphonamides substituted anilines)” is the work carried out by **Mr. Madhushree B S. (203591396113)**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the internal guidance of **Dr. Ramesh S. Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, Mangalagangothri, Mangalore as a part of his academic year 2021-22, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at **Aurigene Pharmaceutical Services Limited, Bangalore**

Signature of the Chairman

Dr. Ramesh S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

Signature of the Project Supervisor

Dr. Ramesh S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri- 57419

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE



UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date: 11 / 10 / 2022

CERTIFICATE

This is to certify that the project report entitled "**Analytical Method Validation for Estimation of N-Nitroso Morpholine(NMOR) In Mycophenolate Mofetil Tablets and API by LC-MS/MS**" is the bonafide work carried out by **Ms. Megha H. M.**, student of II M.Sc. (IV semester), Department of Industrial Chemistry, as a partial fulfilment for the award of degree of Master of Science in Industrial Chemistry, Mangalore University. This work has been carried out under the combined guidance of **Mr. Suman Gundlapalli**, Project Manager, ALS Testing Services India Pvt. Ltd., Bangalore and **Dr. Charithra M. M.**, Guest Faculty, Department of Industrial Chemistry, Mangalore University, Mangalagangothri.

Signature of the Chairman

Dr. Ramesh S. Gani

Assistant Proffesser

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574199

CHAIRMAN
Department of Industrial Chemistry,

Mangalore University

Mangalagangothri - 574 199

Examiners:

1.....

Signature of the Project Supervisor

Dr. Charithra M. M.

Guest Faculty

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574199

2.....

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALORE UNIVERSITY

MANGALAGANGOTHRI - 574199



CERTIFICATE

This is to certify that the project report entitled “**SYNTHESIS OF SCHIFF BASES, FIVE AND SIX MEMBERED HETEROCYCLIC COMPOUNDS**” is the work carried out by **Mrs, Namratha R Jain** a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the internal guidance of **Dr. Ramesh S. Gani**, Assistant professor and Chairperson, Department of Industrial Chemistry, Mangalore University, as a part of his academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at Solara Active Pharma Sciences Limited, Mangalore.

Signature of the Chairperson

Dr. Ramesh S. Gani
Assistant professor and Chairperson
Department of industrial chemistry
Mangalore university
Mangalagangothri – 574199

Signature of the project supervisor

Dr. Ramesh S. Gani
Assistant professor and Chairperson
Department of industrial chemistry
Mangalore university
Mangalagangothri - 574199

CHAIRMAN

Department of Industrial Chemistry,
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY



Place:Mangalagangothri
Date:07/OCTOBER/2022

CERTIFICATE

This is to certify that the project report entitled "ANALYTICAL METHOD VERIFICATION FOR MEASUREMENT OF PARTICLE SIZE BY LASER DIFFRACTION METHOD FOR DEFAROSIROX" is the bonafide work carried out by Ms. NEEKSHA A, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of Dr.Ramesh S Gani Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2020-2021, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr.Ramesh S Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

Signature of the Chairperson

Dr. Ramesh S Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALORE UNIVERSITY

MANGALAGANGOTHRI-574199



CERTIFICATE

This is to certify that the project report entitled **“SYNTHESIS OF FMOC AMINO ACIDS AND SYNTHESIS OF FMOC AMINO ACIDS AND DIPEPTIDE (S)-METH 2-((S)-2-(((9H-FLUOREN-9-YL)METHOXY)CARBONYL)AMINO)PROPANAMIDO)-3-PHENYLPROPANOATE”** is the bonafide work carried out by **Ms. NIREESHMA RAI**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. RAMESH S. GANI**, Assistant professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Chairman

Dr. Ramesh S. Gani
Assistant professor and Chairmam
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

Signature of the Guide

Dr. Ramesh S. Gani
Assistant professor and Chairmam
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date:

CERTIFICATE

This is to certify that the project report entitled "**Synthesis of 4-amino-N-phenylbenzenesulfonamide and its amides by three steps protocol**" is the bonafide work carried out by **Ms. Pooja K P** (Reg.No.203591396118), a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S. Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr. Ramesh S. Gani
Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199

Signature of the Chairman

Dr. Ramesh S. Gani
Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199



MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTTHRI-574 199

KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *11/10/22*

Certificate

This is to certify that the project report entitled "**Analysis Of Ethylene Oxide (ETO) In Food, Agriproducts And Nutraceutical Product Using GC-MS**" is the bonafide work carried out by **Ms. Poojashree G**, (Reg. No:203591693119) a student of M.Sc. Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S. Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr. Ramesh S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALAGANGOTHTRI-574 199
KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *10-10-22*

Certificate

This is to certify that the project report entitled "**Ligand Synthesis For Cross Coupling Reactions**" is the bonafide work carried out by **Mr. Pradeep Shetty**, (Reg. No.:203591396120) a student of **II M.Sc. (IV Semester)**, Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.



Signature of the Supervisor
Dr. Arun Krishna Kodoth
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199



Signature of the Chairman
Dr. Ramesh S. Gani
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199



MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALAGANGOTHRI-574199

Place: Mangalagangothri

Date: 07-10-2022

CERTIFICATE

This is to certify that the project report entitled “**Synthesis and Characterization of 1,3,4-
Oxadiazole derivatives**” is the work carried out by **Mr. Preetham G. (203591396121)**, a
student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University,
under the internal guidance of **Dr. Charithra M.M.**, Guest lecture, Department of Industrial
Chemistry, Mangalore University, as a part of his academic year 2021-22, in partial fulfilment
of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at **Anthem Bioscience Private Limited, Bangalore.**

Signature of the Chairman

Dr. Ramesh S. Gani
Chairman and Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

Signature of the Project Supervisor

Dr. Charithra M.M.
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574199

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALORE UNIVERSITY

MANGALAGANGOTHRI-574199



CERTIFICATE

This is to certify that the project report entitled “**Synthesis of Amides via Various Coupling Methods**” is the bonafide work carried out by **Mr. Preetham G.R.**, (Reg. No.:203591396122) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S. Gani**, Chairman and Assistant Professor, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr. Ramesh S. Gani
Chairman and Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199

Signature of the Chairman

Dr. Ramesh S. Gani
Chairman and Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

CERTIFICATE



MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY

This is to certify that the project report entitled "**Synthesis of Substituted 2-chloroquinoline-3-Carbaldehyde and it's Derivatives**" is the bonafide work carried out by **Ms. PREETHIKA B.H**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. RAMESH S GANI**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of his academic year 2020-2021, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

This bonafide work was carried out by her under the combined guidance of **Dr. PRAKASH KAREGOUDAR**, Solara Active pharma Sciences private Ltd., Mangalore and **Dr. RAMESH S GANI**, Chairman of department of Industrial Chemistry, Mangalore University, Mangalagangothri.

Signature of the Project Guide

Dr. RAMESH S GANI

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALORE, KARNATAKA

Place: Mangalagangothri

Date: 15-10-2022

CERTIFICATE

This is to certify that the project report entitled “**Preparation of some useful Cyclic Intermediates**” is the bonafide work carried out by **Ms. PREETI VASANTH HEBBAR**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S. Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.



Signature of the Supervisor

Dr. Ramesh S. Gani

Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199



Signature of the Chairperson

Dr. Ramesh S. Gani

Assistant professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN
Department of Industrial Chemistry,
Mangalore University
Mangalagangothri - 574.199

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALORE UNIVERSITY

MANGALAGANGOTHRI-574199



CERTIFICATE

This is to certify that the project report entitled "Synthesis and Characterization of 1,3,4-Oxadiazole derivatives" is the work carried out by **Mr. R PRANAM. (203591396125)** a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the internal guidance of **Dr. Charithra M M.**, Guest lecture, Department of Industrial Chemistry, Mangalore University, as a part of his academic year 2021-22, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at **Anthem Bioscience Private Limited, Bangalore.**

Signature of the Chairman

Dr. Ramesh S. Gani
Chairman and Assistant Professor
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

CHAIRMAN
Department of Industrial Chemistry,
Mangalore University
Mangalagangothri - 574199

Signature of the Project Supervisor

Dr. Charithra M M.
Guest lecture
Department of Industrial Chemistry
Mangalore University
Mangalagangothri- 574199



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DEPARTMENT OF INDUSTRIAL CHEMISTRY

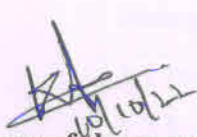
MANGALAGANTHRI-574 199

KARNATAKA, INDIA

Place: Mangalaganthri
Date: 10-10-22

Certificate

This is to certify that the project report entitled “**Synthesis and Purification of the Intermediates for Biologically Active Compounds**” is the bonafied work carried out by **Ms. Raksha M**, (Reg. No: 203591396126) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021- 2022, in partial fulfilment of the requirements for the award of the degree of master of science in Industrial Chemistry.


Signature of the supervisor

Dr. Arun Krishna Kodoth
Department of Industrial chemistry
Mangalore University
Mangalaganthri- 574 199


Signature of the chairman

Dr. Ramesh S. Gani
Department of Industrial chemistry
Mangalore University
Mangalaganthri- 574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalaganthri - 574199



MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574199

CERTIFICATE

This is to certify that the project report entitled "**Analysis of multi residues in food, agriproducts and nutraceutical product using GCMS**" is the bonafide work carried out by **Ms. SAMEEKSHA G. BANGERA**, (Reg. No.: 2035691396127), a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Jayashree A.**, Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020-2021, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Industrial Chemistry.

10/10/22

Signature of the Project Guide

Dr. Jayashree A.

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199.

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199.

CHAIRMAN
Department of Industrial Chemistry,
Mangalore University
Mangalagangothri - 574 199



MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574 199

KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *11-10-22*



Certificate

This is to certify that the project report entitled "**Synthesis and characterization of Isotazoline derivatives**" is the bonafide work carried out by **Ms. Sandhya M**, (Reg. No: **203591396128**) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor

Dr. Arun Krishna Kodoth

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
MANGALAGANGOTHRI - 574199



CERTIFICATE

This is to certify that the Industrial project report entitled “**SYNTHESIS AND CHARACTERIZATION OF USEFUL AGROCHEMICAL INTERMEDIATE**” has been submitted to the Mangalore University in partial fulfillment of the requirement for the award of Master of Science in Industrial Chemistry. This independent project work done by **Mr. Santhosh (Reg.No:203591396129)** under the combined guidance of Mr. Mahesh Kalbagh, Project guide, Dr. Mukul Lal, Group Leader, Syngenta Bioscience Private Limited, Goa and Dr. Ramesh S Gani, Department of Industrial Chemistry, Mangalore University.

Signature of the Head of the Department

Dr. Ramesh S Gani
Assistant professor and chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

Signature of the guide

Dr. Ramesh S Gani
Assistant professor and chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri

DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALORE UNIVERSITY
MANGALAGANGOTHRI- 574199



CERTIFICATE

This is to certify that a dissertation on industrial project entitled “SYTHESIS OF CBZ-AMINO ACIDS AND DIPEPTIDE (S)-METHYL 2-(2-(((BENZYLOXY)CARBONYL)AMINO)ACETAMIDO)-3-PHENYLPROPANOATE ” has been submitted to the Mangalore University in partial fulfilment of the requirements for the award of degree of Master of Science in Industrial Chemistry. This independent project work done by **Ms. SOUJANYA H C, Reg.No: 203591396130** under my guidance and supervision during IV semester of 2021-2022 work carried at synyogic lifescience private limited, Bangalore.


Signature of the Chairperson

Dr. RAMESH S. GANI
Assistant professor & Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199
Mangalore, D.K.
Karnataka, India
CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199


Signature of the Guide

Dr. RAMESH S. GANI
Assistant professor & Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199
Mangalore, D.K.
Karnataka, India

Examiners

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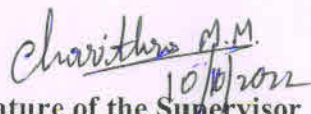
DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574 199

KARNATAKA, INDIA

CERTIFICATE

This is to certify that the project report entitled “Synthesis and Characterization of Partial PROTACs” is the bonafide work carried out by **Ms. Sowmya**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Charithra M. M.**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.


Signature of the Supervisor
Dr. Charithra M. M.
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199

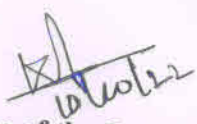

Signature of the Chairman
Dr. Ramesh S Gani
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574 199
CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALAGANGOTHTRI-574 199
KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *10-10-2022*

Certificate

This is to certify that the project report entitled "Synthesis of Bioactive Arylnaphthalene" is the bonafide work carried out by **Mr. Sukesh Ganesh Bhandari**, (Reg. No: 203591396132) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.


Signature of the Supervisor

Dr. Arun Krishna Kodoth

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199


Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date: 10 - 10 - 2022

CERTIFICATE

This is to certify that the project report entitled "Analytical method validation for Aluminium content in Calcium gluconate monohydrate By ICP-MS Method" is the bonafide work carried out by **Ms. Sushmitha**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance Dr. Ramesh S. Gani, Assistant professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020- 2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at **ALS Testing Services Pvt. Ltd., Bangalore**

 Signature of the Supervisor

Dr. Ramesh S. Gani

Assistant professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

 Signature of the Chairman

Dr. Ramesh S. Gani

Assistant professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

MANGALORE UNIVERSITY
MANGALAGANGOTHRI - 574199



CERTIFICATE

This is to certify that the Industrial project report entitled “SYNTHESIS AND CHARACTERIZATION OF FEW AGROCHEMICAL INTERMEDIATES” has been submitted to the Mangalore University in partial fulfillment of the requirement for the award of Master of Science in Industrial Chemistry. This independent project work done by **Ms. Swathi B D** (Reg.No:203591396134) under the guidance of Dr. Ramesh S Gani, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University.

Signature of the Supervisor

Dr. Ramesh S Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574199

1.

2.

Signature of the Chairman

Dr. Ramesh S Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574199



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DEPARTMENT OF INDUSTRIAL CHEMISTRY
MANGALAGANGOTHRI-574 199

CERTIFICATE

This is to certify that the project report entitled “Analytical Method Verification for Estimation of Costunolide content in Costus powder by HPLC” is the bonafide work carried out by **Ms. SWETHA K. R.**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, as a partial fulfillment for the award of Degree of Master of Science in Industrial Chemistry, Mangalore University. This work has been carried out under the guidance of **Dr. Jayashree A.**, Department of Industrial Chemistry, Mangalore University, Mangalagangothri.

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574199.

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

Signature of the Project Supervisor

Dr. Jayashree A.

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-57419.

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

Place: Mangalagangothri

Date:

CERTIFICATE

This is to certify that the project report entitled **ANALYTICAL METHOD VALIDATION FOR PALLADIUM CONTENT IN VALGANCICLOVIR HCl USP BY ICP-MS** is the bonafide work carried out by **Ms. THEJASWINI P.**, a student of II M.Sc.(IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance **Dr. Ramesh S Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

The work has been carried out at **ALS Testing Services Pvt. Ltd., Bangalore.**

Signature of the Chairperson

Dr. Ramesh S. Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574199

CHAIRMAN

Department of Industrial Chemistry,

Mangalore University

Mangalagangothri - 574 199

Signature of the Guide

Dr. Ramesh S. Gani

Assistant Professor and Chairperson

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-57419

CHAIRMAN

iv Department of Industrial Chemistry

Mangalore University

Mangalagangothri - 574 199

MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY



Place: Mangalagangothri

Date: 3-October-2022

CERTIFICATE

This is to certify that the project report entitled **Synthesis of CRBN and VHL partial PROTACs** is the bonafide work carried out by **Ms. THENCY MS**, a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Ramesh S Gani**, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University, as a part of her academic year 2020-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.

Signature of the Supervisor
Dr. Ramesh S Gani
Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

Signature of the Chairman
Dr. Ramesh S Gani
Assistant Professor and Chairman
Department of Industrial Chemistry
Mangalore University
Mangalagangothri – 574199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574199

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DEPARTMENT OF INDUSTRIAL CHEMISTRY

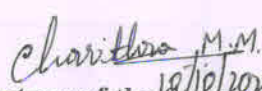
MANGALAGANGOTHRI-574 199

KARNATAKA, INDIA

Place: Mangalagangothri
Date : 10/10/2022

Certificate

This is to certify that the project report entitled “Analysis Of Acid Extractable Or Digestable Elements Using ICP-MS” is the bonafide work carried out by Ms. Udbhavi N, (Reg. No : 203591693138) a student of M.Sc. Department of Industrial Chemistry, Mangalore University, under the guidance of Dr. Charithra M.M, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.


Signature of the Supervisor

Dr. Charithra M.

Guest Faculty

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199


Signature of the Chairman

Dr. Ramesh S. Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

iv

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri-5



MANGALORE UNIVERSITY

DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574 199

KARNATAKA, INDIA

Place: *Mangalagangothri*
Date: *10-10-22*

Certificate

This is to certify that the project report entitled "Synthesis and Characterization of various heterocyclic compounds like Indazole and Pyridine Analogues" is the bonafide work carried out by **Ms. Vidya M. K.**, (Reg. No: 203591396139) a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Arun Krishna Kodoth**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfilment of the requirements for the award of the degree of Master of Science in Industrial Chemistry.



Signature of the Supervisor

Dr. Arun Krishna Kodoth

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199



Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry
Mangalore University
Mangalagangothri-574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
MANGALAGANGOTHRI - 574199



CERTIFICATE

This is to certify that the Industrial project report entitled **“SYNTHESIS AND CHARACTERIZATION OF ISOXAZOLINE DERIVATIVES”** has been submitted to the Mangalore University in partial fulfillment of the requirement for the award of degree of Master of Science in Industrial Chemistry. This independent project work done by Ms. Vijayashree S (Reg.No:203591396140) under the combined guidance of Mr. Vaibhav Jadhav, Project guide, Dr. Mukul Lal, Group Leader, Syngenta Biosciences Private Limited, Goa and Dr. Ramesh S Gani, Assistant Professor and Chairman, Department of Industrial Chemistry, Mangalore University.

Signature of the Head of the Department

Dr. Ramesh S Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri

Signature of the guide

Dr. Ramesh S Gani

Assistant Professor and Chairman

Department of Industrial Chemistry

Mangalore University

Mangalagangothri

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199

MANGALORE UNIVERSITY
DEPARTMENT OF INDUSTRIAL CHEMISTRY



MANGALAGANTHRI-574199.

CERTIFICATE

This is to certify that the work presented in the project work entitled "Synthesis and characterisation of [1,2,4]triazolo[4,3-a]pyridine derivatives" is an authentic record of synthesis work carried out at Eurofins Advinus Ltd., Bengaluru by Ms. Yajna C. Bangera (Reg. No.:203591396141), a student of II M.Sc. (IV Semester) Industrial Chemistry, as a partial fulfillment for the award of Master of Science in Industrial Chemistry, Mangalore University. This work has been carried out under the guidance of **Dr. Jayashree A.**, Department of Industrial Chemistry, Mangalore University, Mangalagantothi, as a part of the academic year 2020-2022, in the partial fulfillment of the requirements for the award of the Degree of Master Science in Industrial chemistry.

Signature of the Project Guide

Dr. Jayashree A.

Department of Industrial Chemistry

Mangalore University

Mangalagantothi-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagantothi-574 199

CHAIRMAN
Department of Industrial Chemistry
Mangalore University
Mangalagantothi - 574 199

MANGALORE UNIVERSITY



DEPARTMENT OF INDUSTRIAL CHEMISTRY

MANGALAGANGOTHRI-574 199.

CERTIFICATE

This is to certify that the project report entitled “**Synthesis and characterization of Pyrimidine derivatives**” is the bonafide work carried out at Anthem Biosciences Pvt Ltd. by **Mr. Yashwaraj** (Reg. No. 203591396142), a student of II M.Sc. (IV semester), Department of Industrial Chemistry, Mangalore University, under the guidance of **Dr. Jayashree A.**, Department of Industrial Chemistry, Mangalore University, as a part of the academic year 2021-2022, in partial fulfillment of the requirements for the award of the Degree of Master of Science in Industrial Chemistry.

10/10/22

Signature of the Project Guide

Dr. Jayashree A.

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

Signature of the Chairman

Dr. Ramesh S. Gani

Department of Industrial Chemistry

Mangalore University

Mangalagangothri-574 199

CHAIRMAN

Department of Industrial Chemistry
Mangalore University
Mangalagangothri - 574 199