STABILITY ASSESSMENT OF CANAGLIFLOZIN UNDER STRESS DEGRADATION CONDITIONS USING UV–VISIBLE SPECTROPHOTOMETRY

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

BANDI VEERA NEELIMA

Regd. No : 2405001

Under the guidance of

Smt. KONDAVETI LAKSHMI JYOTHI

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"STABILITY ASSESSMENT OF CANAGLIFLOZIN UNDER STRESS DEGRADATION CONDITIONS USING UV–VISIBLE SPECTROPHOTOMETRY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **BANDI VEERA NEELIMA Regd. No : 2405001, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project Guide

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Head of the Department

Sri Y.N. College HOD P.G. Organic Chemistry NARSAPUR - 534 275

R.V. Labs

Agmark Approved Laboratory
Recognised by Govt. of India
Contract Research Laboratory

Certificate

Certificate Number: RVL/TC/291/25

This is to certify that **BANDI VEERA NEELIMA**, M.Sc. Organic chemistry (Reg No: **2405001**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Stability Assessment of Canagliflozin under Stress Degradation Conditions Using UV-Visible Spectrophotometry."** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

Authorized Signatory
Dr.Ch. Vinay Kumar, Ph.D.
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EXTRACTION AND QUALITATIVE-QUANTITATIVE PHYTOCHEMICAL ANALYSIS OF ASYSTASIA GANGETICA STEM USING UV-VISIBLE SPECTROSCOPY

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

DESAMSETTI KARUNA GRACE

Regd. No : 2405002

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"EXTRACTION AND QUALITATIVE-QUANTITATIVE PHYTOCHEMICAL ANALYSIS OF ASYSTASIA GANGETICA STEM USING UV-VISIBLE SPECTROSCOPY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **DESAMSETTI KARUNA GRACE Regd. No : 2405002, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project Guide

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Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

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Certificate Number: RVI/TC/292/25

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During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

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QUALITATIVE PROFILING OF FLAVONOIDS IN ASYSTASIA GANGETICA STEM BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

DESSAMSETTI TEJA DANIYAL

Regd. No : 2405003

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor



DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"QUALITATIVE PROFILING OF FLAVONOIDS IN ASYSTASIA GANGETICA STEM BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **DESSAMSETTI TEJA DANIYAL Regd. No : 2405003, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

Verified

R.V. Labs

Agmark Approved Laboratory
Recognised by Govt. of India
Contract Research Laboratory

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Certificate Number: RVL/TC/293/25

This is to certify that **DESSAMSETTI TEJA DANIYAL**, M.Sc. Organic chemistry (Reg No: **2405003**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Qualitative Profiling of Flavonoids in Asystasia gangetica Stem by High-Performance Liquid Chromatography."** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

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GAS CHROMATOGRAPHIC ANALYSIS OF FRAGRANCES IN DIFFERENT TYPES OF COSMETICS

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

GUBBALA PRASANNA RANI

Regd. No : 2405004

Under the guidance of

Smt. KONDAVETI LAKSHMI JYOTHI

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"GAS CHROMATOGRAPHIC ANALYSIS OF FRAGRANCES IN DIFFERENT TYPES OF COSMETICS"** done in the laboratories of PG Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **GUBBALA PRASANNA RANI Regd. No : 2405004, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

K. Lakshmi Jyothi

Project Guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

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Certificate Number: RVL/TC/294/25

This is to certify that **GUBBALA PRASANNA RANI**, M.Sc. Organic chemistry (Reg No: **2405004**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Gas Chromatographic Analysis of Fragrances in Different Types of Cosmetics"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

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QUALITATIVE PROFILING OF PHENOLIC CONSTITUENTS IN PLUMERIA PUDICA LEAVES BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

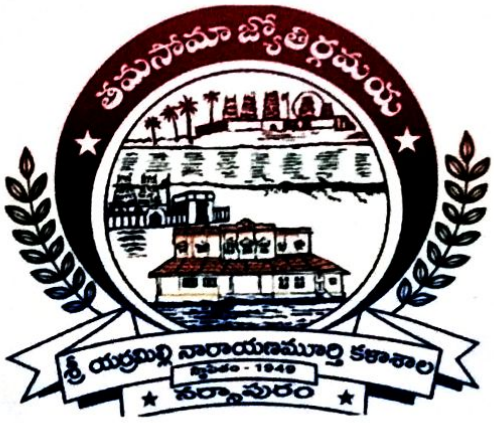
GURUJU NAGA DURGA SAI

Regd. No : 2405005

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor



DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"QUALITATIVE PROFILING OF PHENOLIC CONSTITUENTS IN PLUMERIA PUDICA LEAVES BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **GURUJU NAGA DURGA SAI Regd. No : 2405005, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

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Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR-534 275

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Recognised by Govt. of India
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Certificate Number: RVL/TC/295/25

This is to certify that **GURUJU NAGA DURGA SAI**, M.Sc. Organic chemistry (Reg No: **2405005**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Qualitative Profiling of Phenolic Constituents in Plumeria pudica Leaves by High-Performance Liquid Chromatography"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

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ESTIMATION OF AZITHROMYCIN IN PHARMACEUTICAL FORMULATIONS BY A VISIBLE DERIVATIZATION SPECTROPHOTOMETRIC METHOD

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

JILLELLA DIVYA

Regd. No : 2405006

Under the guidance of

Smt. KONDAVETI LAKSHMI JYOTHI

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

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(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"ESTIMATION OF AZITHROMYCIN IN PHARMACEUTICAL FORMULATIONS BY A VISIBLE DERIVATIZATION SPECTROPHOTOMETRIC METHOD"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **JILLELLA DIVYA Regd. No : 2405006, M. Sc. 2024-2026 Batch,** submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

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Certificate Number: RVL/TC/296/25

This is to certify that **JILLELLA DIVYA**, M.Sc. Organic chemistry (Reg No: **2405006**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled "**Estimation of Azithromycin in Pharmaceutical Formulations by a Visible Derivatization Spectrophotometric Method**" at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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EXTRACTION AND GAS CHROMATOGRAPHIC ANALYSIS OF ESSENTIAL OIL FROM CLOVES

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

KADALI LAVANYA

Regd. No: 2405007

Under the guidance of

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"EXTRACTION AND GAS CHROMATOGRAPHIC ANALYSIS OF ESSENTIAL OIL FROM CLOVES"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **KADALI LAVANYA Regd. No : 2405007, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.DT.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

R.V. Labs

Agmark Approved Laboratory
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Contract Research Laboratory

Certificate

Certificate Number: RVL/TC/297/25

This is to certify that **KADALI LAVANYA**, M.Sc. Organic chemistry (Reg No: 2405007), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled "**Extraction and Gas Chromatographic Analysis of Essential Oil from Cloves**" at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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ASSESSMENT OF WATER QUALITY THROUGH THE DETERMINATION OF SELECTED PARAMETERS USING SPECTROPHOTOMETRIC METHODS

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

KHANDAVALLI SWARNA LATHA

Regd. No : 2405008

Under the guidance of

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Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"ASSESSMENT OF WATER QUALITY THROUGH THE DETERMINATION OF SELECTED PARAMETERS USING SPECTROPHOTOMETRIC METHODS"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **KHANDAVALLI SWARNA LATHA Regd. No : 2405008, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

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Certificate Number: RVI/TC/298/25

This is to certify that **KHANDAVALLI SWARNA LATHA**, M.Sc. Organic chemistry (Reg No: **2405008**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Assessment of water quality through the determination of selected parameters using spectrophotometric methods"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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Authorized Signatory
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QUALITATIVE PROFILING OF ALKALOIDS IN ASYSTASIA GANGETICA STEM BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

KUDUPUDI VIDYA SRI

Regd. No : 2405009

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor



DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"QUALITATIVE PROFILING OF ALKALOIDS IN ASYSTASIA GANGETICA STEM BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **KUDUPUDI VIDYASRI Regd. No : 2405009, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

R.V. Labs

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Certificate Number: RVI/TC/299/25

This is to certify that **KUDUPUDI VIDYASRI**, M.Sc. Organic chemistry (Reg No: 2405009), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled "**Qualitative Profiling of Alkaloids in Asystasia gangetica Stem by High-Performance Liquid Chromatography**" at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

Authorized Signatory
Dr.Ch. Vinay Kumar, Ph.D.
Quality Manager

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SYNTHESIS OF ACTIVATED CARBON FROM AFRICAN TULIP TREE BIOMASS AND ITS APPLICATION FOR METHYL ORANGE REMOVAL USING UV-VISIBLE SPECTROPHOTOMETRY

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

LANKE MADHULATHA

Regd. No : 2405010

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"SYNTHESIS OF ACTIVATED CARBON FROM AFRICAN TULIP TREE BIOMASS AND ITS APPLICATION FOR METHYL ORANGE REMOVAL USING UV-VISIBLE SPECTROPHOTOMETRY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **LANKE MADHULATHA Regd. No : 2405010, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR-534 275

R.V. Labs

Agmark Approved Laboratory
Recognised by Govt. of India
Contract Research Laboratory

Certificate

Certificate Number: RVI/TC/300/25

This is to certify that **LANKE MADHULATHA**, M.Sc. Organic chemistry (Reg No: 2405010), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled "**Synthesis of Activated Carbon from African Tulip Tree Biomass and Its Application for Methyl Orange Removal Using UV-Visible Spectrophotometry**" at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

Authorized Signatory
Dr.Ch. Vinay Kumar, Ph.D.
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Extraction and Gas Chromatographic Analysis of Perfumery Oil from Sample

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

By Adikavi Nannaya University

BY

MANIKIREDDY SANDHYA

Regd. No: 2405011

Under the guidance of

Smt. KONDAVETI LAKSHMI JYOTHI

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y.N.COLLEGE (A) P.G.COURSES (A)

(Affiliated to Adikavi Nannaya University,Rajamahendravaram)

Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275,W.G. DIST.,A.P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"EXTRACTION AND GAS CHROMATOGRAPHIC ANALYSIS OF PERFUMERY OIL FROM SAMPLE"** done in the laboratories of P. G Organic Chemistry, Sri Y. N. College – Narsapur, is the Bonafide work of **MANIKIREDDY SANDHYA Regd. No: 2405011, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

K. Lakshmi Jyothi

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

G. Ramu

Head of the Department

SRI Y.N. COLLEGE HOD P.G. Organic Chemistry NARSAPUR - 534 275

Certificate

Certificate Number: RVL/TC/301/25

This is to certify that **MANIKIREDDI SANDHYA**, M.Sc. Organic chemistry (Reg No: **2405011**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Extraction and Gas Chromatographic Analysis of Perfumery oil from sample"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

R.V. LABS GUNTUR

Authorized Signatory
Dr.Ch. Vinay Kumar, Ph.D.
Quality Manager

Extraction and Gas Chromatographic Analysis of Essential Oil from Ilachi

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

MUTYALA VEERA RAMA DURGA SAI

Regd. No : 2405012

Under the guidance of

Mrs.KONDAVETI LAKSHMI JYOTHI

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NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"Extraction and Gas Chromatographic Analysis of Essential Oil from Ilachi"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **MUTYALA VEERA RAMA DURGA SAI Regd. No : 2405012, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

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Head of the Department

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Certificate Number: RVI/TC/302/25

This is to certify that **MUTYALA VEERA RAMA DURGA SAI**, M.Sc. Organic chemistry (Reg No: **2405012**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Extraction and Gas Chromatographic Analysis of Essential Oil from Ilachi"** at R.V. LABS, Guntur, AP.

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GREEN SYNTHESIS OF NANOPARTICLES USING SILVERY GLADE FERN LEAVES AND EVALUATION OF THEIR ANTIOXIDANT ACTIVITY

A project report submitted in partial fulfillment of the requirement for the award of the degree of
MASTER OF SCIENCE

by Adikavi Nannaya University

BY

PATTAPU CHINNI RAJESH

Regd. No : 2405013

Under the guidance of

Mr. UPPULURI RAMU

Assistant Professor

DEPARTMENT OF ORGANIC CHEMISTRY

SRI Y. N. COLLEGE (A) P. G. COURSES (A)

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"GREEN SYNTHESIS OF NANOPARTICLES USING SILVERY GLADE FERN LEAVES AND EVALUATION OF THEIR ANTIOXIDANT ACTIVITY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **PATTAPU CHINNI RAJESH Regd. No : 2405013, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

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Certificate Number: RVL/TC/303/25

This is to certify that **PATTAPU CHINNI RAJESH**, M.Sc. Organic chemistry (Reg No: **2405013**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled "**Green Synthesis of Nanoparticles Using Silvery Glade Fern Leaves and Evaluation of Their Antioxidant Activity**" at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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QUANTITATIVE ESTIMATION OF CEFIXIME IN PHARAMACEUTICAL FORMULATIONS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

SADHANALA BABY DURGA DEVI

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2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"QUANTITATIVE ESTIMATION OF CEFIXIME IN PHARAMACEUTICAL FORMULATIONS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY"** done in the laboratories of P. G. Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **SADHANALA BABY DURGA DEVI Regd. No : 2405014, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

K. Lakshmi Jyothi

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

Head of the Department

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Certificate Number: RVI/TC/304/25

This is to certify that **SADHANALA BABY DURGA DEVI**, M.Sc. Organic chemistry (Reg No: **2405014**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Quantitative Estimation of Cefixime in Pharmaceutical Formulations by High-Performance Liquid Chromatography"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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ASSESSMENT OF WATER QUALITY THROUGH THE DETERMINATION OF SELECTED PARAMETERS USING TITRIMETRIC AND SPECTROPHOTOMETRIC METHODS

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

MASTER OF SCIENCE

by Adikavi Nannaya University

BY

VATTI KRUPA KARUNA

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Assistant Professor

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SRI Y. N. COLLEGE (A) P. G. COURSES (A)

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Accredited by NAAC at "A+" grade (4th cycle)

NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"ASSESSMENT OF WATER QUALITY THROUGH THE DETERMINATION OF SELECTED PARAMETERS USING TITRIMETRIC AND SPECTROPHOTOMETRIC METHODS"** done in the laboratories of PG Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **VATTI KRUPA KARUNA Regd. No : 2405015, M. Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

Project guide

SRI Y.N. COLLEGE (AUTONOMOUS) P.G. COURSES (A) DEPARTMENT OF ORGANIC CHEMISTRY NARSAPUR-534 275, W.G.Dt.

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This is to certify that **VATTI KRUPA KARUNA**, M.Sc. Organic chemistry (Reg No: **2405015**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Assessment of water quality through the determination of selected parameters using titrimetric and spectrophotometric methods"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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DETERMINATION OF MINERAL ELEMENTS (K, Na, Ca, Li, & Ba) IN DIFFERENT WATER SAMPLES USING FLAME PHOTOMETRY

A project report submitted in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE

by Adikavi Nannaya University

BY

VELAGANA LEELA MADHURI

Regd. No : 2405016

Under the guidance of

Mr. UPPULURI RAMU

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NARSAPUR-534275, W. G. DIST., A. P.

2024-2026.

CERTIFICATE

This is to certify that the project work entitled **"DETERMINATION OF MINERAL ELEMENTS (K, Na, Ca, Li, & Ba) IN DIFFERENT WATER SAMPLES USING FLAME PHOTOMETRY"** done in the laboratories of PG Organic Chemistry, Sri Y. N. College – Narsapur, is the bonafide work of **VELAGANA LEELA MADHURI Regd. No : 2405016, M.Sc. 2024-2026 Batch**, submitted in a partial fulfillment of the requirements for the award of the Degree of Master of Science by Adikavi Nannaya University.

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This is to certify that **VELAGANA LEELAMADHURI**, M.Sc. Organic chemistry (Reg No: **2405016**), student of **Sri Y.N. College(A), P. G Courses (A) Narsapur, W.G. Dt. Andhra Pradesh Affiliated to Adikavi Nannaya University,** has undergone for Project work entitled **"Determination of mineral elements (K, Na, Ca, Li, and Ba) in different water samples using flame photometry"** at R.V. LABS, Guntur, AP.

During his/her project work he/she has been dedicated, sincere and successfully completed his/her project work.

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