ANALYSIS OF MILK BY INDUCTIVELY COUPLED PLASMA-OPTICAL EMISSION SPECTROSCOPY

PROJECT SUBMITTED TO

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfillment of the requirement for the award of the degree of

BACHELOR OF PHARMACY

SUBMITTED BY

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HARSAN SUTHAR (Y18BPH140002)
KAITHEPALLI. BADRINATH (Y18BPH140003)
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UNDER THE GUIDANCE OF

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August, 2022

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(Sponsors: Siddhartha Academy of General & Technical Education)

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Affiliated to Krishna University, Machilipatnam

Approved by AICTE, PCI, New Delhi and Govt. of Andhra Pradesh

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CERTIFICATE

This is to certify that the project entitled **"ANALYSIS OF MILK BY INDUCTIVELY COUPLED PLASMA – OPTICAL EMISSION SPECTROSCOPY** is a bonafide research work done by **G. SIVAPARVATHI (Y18BPH140001), HARSAN SUTHAR (Y18BPH140002), K. BADRINATH (Y18BPH140003), K. RAVINDRANATH (Y18BPH140004)** in partial fulfillment of the requirements for the award of degree of **BACHELOR OF PHARMACY (B. PHARMACY)**. This project work was carried out under the guidance of **Prof. A. SUNEETHA, M. Pharm, PhD**, faculty of Department of Pharmaceutical Analysis at KOMMAREDDY VENKATA SADASIVA RAO SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES, VIJAYAWADA.

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FORMULATION AND CHARCTERIZATION OF LIPOSOMAL DRUG DELIVERY SYSTEM FOR ATORVASTATIN

A PROJECT REPORT SUBMITTED TO

KRISHNA UNIVERSITY

In partial fulfillment for the award of the degree of

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CERTIFICATE

This is to certify that the investigation described in this thesis entitled "*IN-VITRO* **STUDIES FOR THE DEVELOPMENT OF NANOLIPOSOMAL ATORVASTATIN"** being submitted to Krishna university by—**M.SRI RAHUL , P.APARNA, A.ANUHYA, ABHISHIKTA.T, A.PRASHANTHI** for the award of the degree of **BACHELOR OF PHARMACY**, carried out in the Department of Pharmaceutics, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada, India, under my supervision and guidance. This thesis work is original and has not been submitted earlier to any other university or institution in part or in full for the award of any degree or diploma.

Dr. D. JYOTHIRMAYEE,

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VALIDATED RP-HPLC METHOD FOR THE SIMULTANEOUS ESTIMATION OF BEMPEDOIC ACID AND EZETIMIBE IN PLASMA

PROJECT REPORT SUBMITTED

TO

KRISHNA UNIVERSITY,

Machilipatnam

In Partial Fulfillment of Requirement for the Award of Degree Of

BACHELOR OF PHARMACY.

UNDER THE GUIDANCE

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This is to certify that the dissertation work entitled "Validated RP-HPLC method for the simultaneous estimation of Bempedoic acid and Ezetimibe in human plasma" is the bonafide research work of A. Sasikanth, A. Dhanya Sri, B. Revanth, B. Pooja Sree students of final year B.Pharmacy under the guidance of Dr. K. Naveen Babu at KVSR Siddhartha College of Pharmaceutical Sciences ,Vijayawada , with regard to partial fulfilment requirements for the award of degree of Bachelor of Pharmacy during the Academic Year 2018 – 2022.

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"THE USE OF OVER –THE- COUNTER MEDICATIONS BY THE PHARMACY STUDENTS DURING EXAMINATIONS IN INDIA"

THESIS SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT

THE REQUIREMENTS FOR THE AWARD OF DEGREE OF

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(B.PHARMACY)

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This is to certify that the dissertation entitled entitled **"THE USE OF OVER THE COUNTER MEDICATIONS BY THE PHARMACY STUDENTS DURING EXAMINATIONS IN INDIA"** is the bonafide research work done by Mr .Ch.Sathish kumar[Y18BPH140016], Ms. Ch.Surekha [Y18BPH140017], Ms. D.Pravachana [Y18BPH140018], Mr. D.BalaYogi [Y18BPH140019] in partial fulfillment of the requirement for the degree of BACHELOR OF PHARMACY[**B.PHARMACY]** This project work was carried out under my guidance at KOMMAREDDY VENKATA SADASIVA RAO SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES, VIJAYAWADA, 520010.

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DESIGN AND EVALUATION OF GASTRO RETENTIVE DRUG DELIVERY SYSTEM OF METOPROLOL SUCCINATE FLOATING MATRIX TABLETS

PROJECT SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT

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PREPARATION AND EVALUATION OF EFFERVESCENT TABLETS OF CALCIUM BY USING EGG SHELL POWDER

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

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Submitted by

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This is to certify that the dissertation work entitled **"PREPARATION AND EVALUATION OF EFFERVESCENT TABLETS OF CALCIUM BY USING EGG SHELL POWDER"** is the bonafide research work of **Gudiseva Sucharitha, Gutta Shilpa, Haridasu Bhavyasri, Haripriya Tadi** students of final year B.Pharmacy under the guidance of **Dr. A. BHARATHI** at KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada, with regard to partial fulfillment of requirements for the award of degree of Bachelor of Pharmacy during the period 2018-2022.

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FORMULATION AND EVALUATION OF A POLY HERBAL HAND SANITIZER AND HAND WASH

PROJECT REPORT SUBMITTED TO

KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

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Submitted by

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This is to certify that the work described in this thesis entitled **"Formulation and Evaluation of a Poly Herbal Hand sanitizer and Hand wash"** is the bonafide research work of **JALLURI SIRI VENKATA SIDDHARTHA, KADAPA MURALI KRISHNA, KADAVAKOLLU VENKATA SAI PRIYA,** carried out in Pharmacognosy Laboratory of K.V.S.R. Siddhartha College of Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

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ENHANCEMENT OF SOLUBILITY AND DISSOLUTION RATE OF SELECTED ANTI DIABETIC DRUG BY RECRYSTALLIZATION TECHNIQUE

Project Submitted to the Krishna University, Machilipatnam

In Partial Fulfillment of

The Requirements for the Degree of B. Pharmacy

Research work done by

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K. ARAVIND SAI REDDY- Y18BPH140032

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This is to certify that the project entitled **"Enhancement of the solubility and dissolution rate of selected anti diabetic drug by Recrystallization technique "** is a bonafide research work done by K.Harika (Y18BPH140031), K.Aravind Sai Reddy(Y18BPH140032), K.Lakshmi Narayana(Y18BPH140033), K.Krishna Tulasi(Y18BPH140034), in partial fulfillment of the requirements for the award of degree of B. Pharmacy. This project work was carried out under the guidance of Dr.T.P.RAO, Associate Professor in the Department of Pharmaceutics and Biotechnology at KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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DEVELOPMENT AND EVALUATION OF A BIOACTIVE SYNBIOTIC EDIBLE FILM

DISSERTATION SUBMITTED TO THE KRISHNA UNIVERSITY IN PARTIAL FULFILLMENT OF THE AWARD OF THE DEGREE OF BACHELOR OF PHARMACY

SUBMITTED BY:

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K.SRAVANI	**Y18BPH140036**
K. KRISHNAVENI REDDY	**Y18BPH140037**
K. KEERTHI DWARAKA	**Y18BPH140038**

Under the esteemed guidance of

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Associate Professor

Department of Pharmaceutics and Biotechnology

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VIJAYAWADA – 520010
2021-2022

CERTIFICATE

This is to certify that this project report entitled **"DEVELOPMENT AND EVALUATION OF A BIOACTIVE SYNBIOTIC EDIBLE FILM"** is done by K.Manasa, K.Sravani, K.Krishnaveni Reddy, K.Keerthi Dwaraka, students of final year B. Pharmacy under the guidance of Dr. N. Kanaka Durga Devi- Associate Professor, at K.V.S.R Siddhartha College of Pharmaceutical sciences Vijayawada, with regard to partial fulfillment of requirements for the award of the degree of Bachelor of pharmacy during the period 2021-2022.

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STABILITY INDICATING ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR THE SIMULTANEOUS ESTIMATION OF NIRMATRELVIR AND RITONAVIR IN TABLET DOSAGE FORM

PROJECT SUBMITTED TO

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfillment of the requirements for the degree of

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SUBMITTED BY

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August, 2022

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This is to certify that the dissertation entitled " **STABILITY INDICATING ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR THE SIMULTANEOUS ESTIMATION OF NIRMATRELVIR AND RITONAVIR IN TABLET DOSAGE FORM**" was carried out by Ms. Manda Nagamani (Y18BPH140041), Ms. Mandapaka Vasanthi (Y18BPH140042), Mr.Kurangi Yogesh (Y18BPH140039), Mr.Lavuri Siva Naga Raju (Y18BPH140040), under supervision of **Dr. M. Vijaya Lakshmi**, Associate Professor for the award of Degree of **Bachelor of Pharmacy.**

Dr. Vijaya Lakshmi Marella, Associate Professor M.Pharm, Ph.D.,

Dr. VIJAYA LAKSHMI.M
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SYNTHESIS, CHARACTERISATION, INSILICO SCREENING AND EVALUATION OF SOME NOVEL PYRAZOLONE DERIVATIVES

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF BACHELOR OF PHARMACY.

Submitted by

Mani Sai Raja Sri Nitish Jillella – **(Y18BPH140043)**

Meka Harsha Vardhan – **(Y18BPH140044)**

Under the guidance of

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This is to certify that the dissertation work entitled **"synthesis, characterization, in silico screening and evaluation of some novel pyrazolone derivatives"** is the Bonafide research work of Mani Sai Raja Sri Nitish Jillella and Meka Harsha Vardhan students of final year B Pharmacy under the guidance of Dr. B. ANUPAMA at KVSR Siddhartha college of pharmaceutical sciences ,Vijayawada , with regard to partial fulfillment of requirements for the award of degree of Bachelor of Pharmacy during the period of 2018 – 2022.

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SYNTHESIS CHARACTERISATION COMPUTATIONAL STUDY OF NOVEL THIO-PYRIMIDINE DERIVATIVES

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT OF THE AWARD OF THE DEGREE OF BACHELOR OF PHARMACY.

Submittedby

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IDENTIFICATION OF PHARMACOPHORE AND DESIGN OF SELECTIVE 5-HT$_{2A}$ RECEPTOR ANTAGONISTS

PROJECT REPORT SUBMITTED TO

KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

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SIMULTANEOUS ESTIMATION OF REMOGLIFLOZIN ETABONATE AND TENELIGLIPTIN BY UV- METHOD

DISSERTION SUBMITTED TO THE KRISHNA UNIVERSITY IN PARTIAL FULFILLMENT OF THE AWARD OF THE DEGREE OF
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DESIGN & *IN SILICO* EVALUATION OF N-SUBSTITUTED BENZAMIDES

Project Report Submitted to

KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

BACHELOR OF PHARMACY

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AN APPROACH TO FORMULATION AND EVALUATION OF *TINOSPORA CORDIFOLIA*

Project Submitted to Krishna University, Machilipatnam

In partial fulfillment of

The requirement for the Degree of B. Pharmacy

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"SCREENING OF EXCIPIENTS IN PARACETAMOL INDUCED HEPATOTOXICITY BY USING ISOLATED RAT HEPATOCYTES"

Thesis Submitted to

KRISHNA UNIVERSITY

IN PARTIAL FULFILMENT OF AWARD OF THE DEGREE OF

BACHELOR OF PHARMACY

Under the supervision of

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"ESTIMATION OF ORGANOLEPTIC AND PHYSICOCHEMICAL PARAMETERS IN MINERAL WATER SAMPLE BY ICP –OES METHODS"

PROJECT SUBMITTED TO

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfillment of the requirements for the degree of

BACHELOR OF PHARMACY

SUBMITTED BY

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ANALYSIS OF TRACE ELEMENTS BY USING INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROSCOPY

PROJECT SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT

THE REQUIREMENTS FOR THE AWARD OF DEGREE OF

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INSILICO STUDIES ON THIADIAZOLE DERIVATIVES

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

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FORMULATION AND EVALUATION OF NEBIVOLOL HYDROCHLORIDE FAST DISSOLVING TABLETS BY USING NOVEL CO-PROCESSED EXCIPIENTS

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY

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EFFECT OF CURCUMIN ON DOXORUBICIN INDUCED NEPHROPATHY IN RATS

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY



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This is to certify that the dissertation work entitled " **EFFECT OF CURCUMIN ON DOXORUBICIN INDUCED NEPHROPATHY IN RATS** " is the bonafide research work of Venigalla Pallavi Chowdary , Venkata Bhumika Bandi and Vicharapu Naga Venkata Kalyan students of final year B . Pharmacy under the guidance of **Sri . A.V.S.Ravi Sainadh** at KVSR Siddhartha college of pharmaceutical sciences ,Vijayawada , with regard to partial fulfilment of requirements for the award of degree of Bachelor Of Pharmaceutical sciences during the period of 2018–2022.

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"A COMPARATIVE STUDY OF INSULIN, SULFONYLUREA-METFORMIN COMBINATION AND METFORMIN ON HbA1C AND eGFR LEVELS"

PROJECT REPORT SUBMITTED

TO KRISHNA UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

BACHELOR OF PHARMACY

Submitted by

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Yarrapothu Juhi Nirmala	**Y18BPH140081**
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"A PROSPECTIVE STUDY ON PRESCRIBING AND UTILIZATION OF ASTHMATIC DRUGS AMONG THE CHILDREN"

PROJECT SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE AWARD OF DEGREE OF

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RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR THE SIMULTANEOUS ESTIMATION OF CABOTEGRAVIR AND RILPIVIRINE IN BULK AND PHARMACEUTICAL DOSAGE FORM

A Thesis Submitted To

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

SUBMITTED BY

MS. BOLLA YOGA PRIYANKA

(Y20MPA140001)

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DEVELOPMENT AND VALIDATION OF NEW ANALYTICAL METHOD FOR THE SIMULTANEOUS ESTIMATION OF SERDEXMETHYLPHENIDATE AND DEXMETHYLPHENIDATE IN PHARMACEUTICAL DOSAGE FORM

A Thesis Submitted To

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ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF RELATED SUBSTANCES OF LANSOPRAZOLE 8.5% ENTERIC COATED PELLETS BY RP-HPLC

A Thesis Submitted To

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfilment of the requirement for the award of the degree

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ANALYTICAL METHOD DEVELOPMENT ANDVALIDATION OF RELATED SUBSTANCES OF DAPSONE BY RP-HPLC

A Thesis Submitted To

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In partial fulfilment of the requirement for the award of the degree

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NOVEL RP- HPLC METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS ESTIMATION OF CLINDAMYCIN PHOSPHATE AND METHYL PARABEN IN TOPICAL GEL FORMULATIONS

A Thesis Submitted To

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In partial fulfilment of the requirement for the award of the degree

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This is to certify that the dissertation entitled "NOVEL RP- HPLC METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS ESTIMATION OF CLINDAMYCIN PHOSPHATE AND METHYL PARABEN IN TOPICAL GEL FORMULATIONS" was carried out by Ms. JONNALAGADDA NAGA SRILAKSHMI (Y20MPA140006) under supervision of prof. Dr. A,SUNEETHA,PhD, Principal and HOD the award of Degree of Master of Pharmacy

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DEVELOPMENT OF SENSITIVE ANALYTICAL METHOD AND ITS VALIDATION FOR THE ESTIMATION OF CHLORHEXIDINE GLUCONATE IN VARIOUS PHARMACEUTICAL FORMULATIONS

A Thesis Submitted To

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In partial fulfilment of the requirement for the award of the degree

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This is to certify that the dissertation entitled **"DEVELOPMENT OF SENSITIVE ANALYTICAL METHOD AND ITS VALIDATION FOR THE ESTIMATION OF CHLORHEXIDINE GLUCONATE IN VARIOUS PHARMACEUTICAL FORMULATIONS"** was carried out by **Ms. Kagita Divya** under supervision of **Dr. M. Vijaya Lakshmi**, Associate Professor for the award of Degree of **Master of Pharmacy.**

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DEVELOPMENT AND VALIDATION OF STABILITY INDICATING RP- HPLC METHOD FOR THE ESTIMATION OF FLUOROMETHOLONE IN OPTHALMIC SUSPENSION FORM

PROJECT SUBMITTED TO

KRISHNA UNIVERSITY, MACHILIPATNAM

In the partial fulfilment of the requirement for the award of the degree

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This is to certify that the project work described in the thesis entitled "**DEVELOPMENT AND VALIDATION OF STABILITY INDICATING RP- HPLC METHOD FOR THE ESTIMATION OF LEVETIRACETAM IN ITS TABLET DOSAGE FORM**" being submitted by **Ms. N.Kavya** to the **Krishna University, Machilipatnam** in partial fulfilment of the requirements for the award of the degree of **Master of Pharmacy** in the **Department of Pharmaceutical Analysis**, under the guidance of **Dr. Madhusudhan Reddy Induri**, is the bonafide work carried out by her at **KVSR Siddhartha College ofPharmaceutical Sciences**, Vijayawada.

The results incorporated in this work have not been submitted to any other University or Institute for the award of any degree.

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STABILITY INDICATING RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR ESTIMATION OF APIXABAN IN PHARMACEUTICAL DOSAGE FORM

A Thesis Submitted To

KRISHNA UNIVERSITY, MACHILIPATNAM

In partial fulfilment of the requirement for the award of the degree

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1.

2.

FORMULATION DEVELOPMENT AND IN-VITRO EVALUATION OF NICARDIPINE HYDROCHLORIDE CAPSULES 30MG

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT OF AWARD OF THE DEGREE OF MASTER OF PHARMACY IN PHARMACEUTICS

Submitted by

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his is to certify that the dissertation work entitled "FORMULATION EVELOPMENT AND IN-VITRO EVALUATION OF NICARDIPINE YDROCHLORIDE CAPSULES 30MG" is the bonafide research work of Kiran Kumar student of M.Pharmacy under the guidance of D.Jyothirmayee, . Pharm., PhD. and, DR. G. KAMALAKAR, HETERO LABS LIMITED nit 3 Formulation R&D Jeedimetla Hyderabad district Telangana.

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XTERNAL

ENHANCEMENT OF SOLUBILITY AND DISSOLUTION RATE OF GLIPIZIDE BY RECRYSTALLIZATION TECHNIQUE

Dissertation submitted to

KRISHNA UNIVERSITY

MACHILIPATNAM, AP, INDIA

In partial fulfilment for the award of the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS



By

KOMMAREDDY JYOTHSNA, B.pharm

(Y20MPH14002)

Under the supervision of

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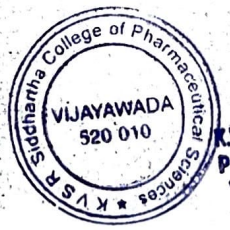

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FORMULATION DEVELOPMENT OF GLUCOSAMINE HYDROCHLORIDE ORAL LIQUID

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OPTIMIZATION OF TELMISARTAN TABLET FORMULATION BY 3^2 FACTORIAL DESIGN

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FORMULATION AND EVALUATION OF ANTI-COAGULANT MODIFIED RELEASE PELLETS

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY, MACHILIPATNAM

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1. 02/12/22

2.

STUDIES ON PREFORMULATION AND IMPURITY PROFILING OF RANOLAZINE SYNTHESIZED BY DIFFERENT METHODS

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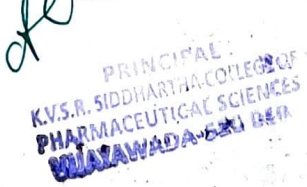



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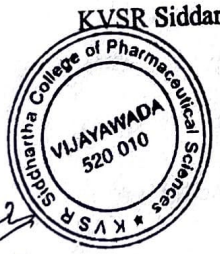

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FORMULATION DEVELOPMENT OF CURCUMIN ORAL - LIQUID SPRAY FOR BUCCAL DELIVERY SYSTEM

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FORMULATION DEVELOPMENT AND EVALUATION OF SITAGLIPTIN PHOSPHATE MONOHYDRATE AND METFORMIN HYDROCHLORIDE TABLETS

Dissertation work submitted to Krishna university

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FORMULATION, PREPARATION AND EVALUATION OF NEBIVOLOL FAST DISSOLVING TABLETS BY USING 3^2 FACTORIAL DESIGN

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THE REGULATORY REQUIREMENS FOR MARKETING AUTHORISATION OF BIOSIMILAR PRODUCTS IN EUROPEAN UNION

PROJECT REPORT SUBMITTED TO KRISHNA UNIVERSITY, MACHILIPATNAM

IN PARTIAL FULFILLMENT OF AWARD OF THE DEGREE OF MASTER OF PHARMACY IN PHARMACEUTICS

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TO IDENTIFY EFFECTIVENESS OF IMMUNOGLOBULIN THERAPY IN COVID-19

THESIS SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM.

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ASSOCIATION OF TRIGLYCERIDE GLUCOSE INDEX WITH CLINICAL OUTCOMES IN ISCHEMIC STROKE

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"ASSESEMENT OF CLINICAL SIGNS AND SYMPTOMS AND DEPRESSION AMONG POLYCYSTIC OVARIAN DISEASE-AFFECTED WOMEN: A PROSPECTIVE OBSERVATIONAL STUDY

THESIS SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM.

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A STUDY ON IMPACT OF DIABETES KNOWLEDGE ON GLYCEMIC CONTROL AND SELF-CARE ACTIVITIES AMONG ADULTS WITH TYPE II DIABETES MELLITUS

THESIS SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM.

In partial fulfillment of the requirements for the degree of

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"CARDIOVASCULAR OUTCOMES IN PATIENTS WITH PREVIOUS MYOCARDIAL INFRACTION AND DIABETES MELLITUS FOLLOWING TREATMENT WITH GLIPTINS AND OTHER NEW ORAL HYPOGLYCEMIC DRUGS."

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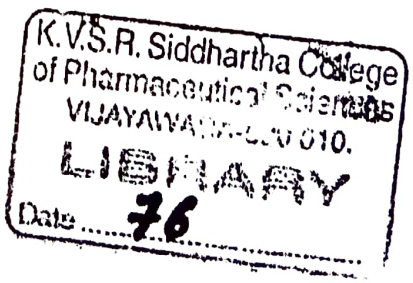

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"ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH CHRONIC HEART FAILURE"

THESIS SUBMITTED TO THE KRISHNA UNIVERSITY, MACHILIPATNAM.

In partial fulfillment of the requirements for the degree of

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