

# **FORMULATION AND EVALUATION OF ACECLOFENAC FLOATING MICROSPHERES**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

<b>AKULA VIGNESHWARI</b>	<b>170419881003</b>
<b>LAKAVATH SWATHI</b>	<b>170419881037</b>
<b>MASANPALLY BALLAXMI</b>	<b>170419881043</b>

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
DR.N.SRINIVAS  
DIRECTOR, SNVPMV**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**

## DECLARATION

We hereby declare that the project work entitled “**Formulation and Evaluation of Aceclofenac Floating Microspheres**” is based on the original work carried out by us under the supervision of **Dr. N. Srinivas** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/2023

AKULAVIGNESHWARI  
LAKAVATHSWATHI  
MASANPALLYBALLAXMI

170419881003 A. Vigneshwari  
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ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course


Ref.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

The project work entitled, "Formulation and Evaluation of Aceclofenac Floating Microspheres" is a bonafide work carried out by A.Vigneshwari, L.Swathi, M.Ballaxmi under the supervision of Dr. N. Srinivas at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Dr. N. SRINIVAS)  
DIRECTOR

  
(Dr. T. SARITHA JYOSTNA)  
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# FORMULATION AND EVALUATION OF ACECLOFENAC EMULGEL

Thesis submitted to  
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By

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Tarnaka, Hyderabad - 2023

## DECLARATION

We hereby declare that the project work entitled “**Formulation and Evaluation of Aceclofenac Emulgel**” is based on the original work carried out by us under the supervision of **Dr. N. Srinivas** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07.08.2023

**N.PRAVALIKA**  
**P.SOUDHAMINI**  
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170419881060 *P. Soudhamini*  
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Id.: SNVPMV/

Date: 07.08.2023

## CERTIFICATE

The project work entitled, "Formulation and Evaluation of Aceclofenac Emulgel" is a bonafide work carried out by N. Pravalika, P. Soudamini, V.K. Ramyasree under the supervision of Dr. N. Srinivas at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
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(Dr. T. SARITHA JYOSTNA)  
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# DESIGN AND EVALUATION OF PARACETAMOL CHEWABLE PEDIATRIC ORAL JELLY

Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007



By

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KANDIKATTA VAISHNAVI	170419881034
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In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY

Under the Guidance of  
Dr. T. Mamatha  
M. Pharm, Ph.D  
Professor & HOD,  
Department of Pharmaceutical Quality Assurance



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023



## DECLARATION

We hereby declare that the project work entitled "DESIGN AND EVALUATION OF PARACETAMOL CHEWABLE PEDIATRIC ORAL JELLY" is based on the original work carried out by us under the supervision of **Dr. T. Mamatha** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/23

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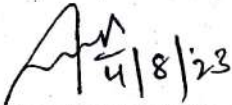
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Date: 07/08/23

## CERTIFICATE

The project work entitled, "DESIGN AND EVALUATION OF PARACETAMOL CHEWABLE PEDIATRIC ORAL JELLY" is a bonafide work carried out by Doli Likhitha, Kandikatta Vaishnavi, Neha Kousar under the supervision Dr. T. Mamatha of at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
4/8/23

(Dr. T. MAMATHA)  
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# DESIGN AND EVALUATION OF ORAL THIN FILMS LOADED WITH PIPERINE CO-CRYSTALS

Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007



By

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In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY

Under the Guidance of  
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Department of Pharmaceutical Quality Assurance



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023



## DECLARATION

We hereby declare that the project work entitled "DESIGN AND EVALUATION OF ORAL THIN FLIMS LOADED WITH PIPERINE CO-CRYSTALS" is based on the original work carried out by us under the supervision of Dr. T. Mamatha at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07-08-2023

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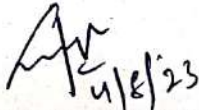
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Ref.: SNVPMV/

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## CERTIFICATE

The project work entitled, "DESIGN AND EVALUATION OF ORAL THIN FLIMS LOADED WITH PIPERINE CO-CRYSTALS" is a bonafide work carried out by Niloufer Begum, P. Shreya Reddy, V. Varsha Reddy under the supervision Dr. T. Mamatha of at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
4/8/23

(Dr. T. MAMATHA)  
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**EXTRACTION, MOLECULAR PROPERTY PREDICTION,  
ANTI-HELMINTIC ACTIVITY OF CELOSIA ARGENTEA**

Thesis submitted to

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD-500007**



By

P. DEEKSHITHA      1704-19-881-063

SHRAVANI. K      1704-19-881-069

**In partial fulfilment of the award of the degree of**

**BACHELOR OF PHARMACY**

**Under the Guidance of**

**Dr. S. Hemalatha**

**Professor and HOD**

**Department of pharmaceutical chemistry**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad-2023**



## DECLARATION

We hereby declare that the project work entitled “EXTRACTION, MOLECULAR PROPERTY PREDICTION AND ANTI-HELMINTIC ACTIVITY OF CELOSIA AREGENTEA” is based on the original work carried out by us under the supervision of Dr.S.HEMALATHA at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/2023

*P. Deekshitha*

**P. DEEKSHITHA**

**170919881063**

*Shravani K*

**SHRAVANI. K**

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Date: 07/08/2023

## CERTIFICATE

The project work entitled "EXTRACTION, MOLACULAR PROPERTY PREDICTION AND ANTI-HELMINTIC ACTIVITY OF CELOSIA ARGENTEA" is a bonafide work carried out by **P. DEEKSHITHA, SHRAVANI.K** under the supervision of **Dr. S. HEMALATHA**, at Sarojini Naidu Vanitha Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfilment of the award of the degree of "Bachelor of pharmacy". This work is original and has not been submitted earlier to this or any university either in part or on full for the award of any degree or diploma.

  
(Dr. S. HEMALATHA)  
PROFESSOR AND HOD



  
(Dr. T. SARITHA JYOSTNA)  
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**DESIGN AND INVITRO EVALUATION OF MONTELUKAST SODIUM EFFERVESCENT  
FLOATING TABLETS**

**Thesis submitted to**

**FACULTY OF PHARMACY**



**OSMANIA UNIVERSITY, HYDERABAD- 500007**

**In partial fulfilment for the award of the degree of Bachelor of pharmacy**

**Under the Guidance of**

**Dr. BALUSU HAARIKA**

**Professor & HOD**

**DEPARTMENT OF PHARMACEUTICS**

**SUBMITTED BY**

**NAME OF THE STUDENTS**

**ROLL NUMBERS**

**GARREPELLI SUPRIYA**

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**SHIRISHA JARUPULA**

**1704-19-881-030**

**KAMILA AAFREEN**

**1704-19-881-033**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad**

**JUNE 2023**





## DECLARATION

We hereby declare that the practice school project thesis entitled "**Design and invitro Evaluation of montelukast sodium effervescent floating tablets**" is based on the original work carried out by us under the supervision of **Dr. Balusu Haarika**, Professor and HOD, Department of pharmaceutics at **SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other Degree or diploma of this or any other University.

Place:

Date: 07/08/2023

Garrepelli Supriya

*Supriya*

170419881022

Shirisha Jarupula

*Shirisha*

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Kamila Aafreen

*Afreen*

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NBA Accredited B. Pharmacy Course

sf.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

The practice school project work thesis entitled "**Design and invitro evaluation of Montelukast sodium effervescent floating tablets**" is a work carried out by G. Supriya, J. Shirisha, Kamila Aafreen under the supervision of **Dr. Balusu Haarika**, Professor and HOD, Department of pharmaceutics at **SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA** and submitted to the **OSMANIA UNIVERSITY**, Hyderabad for the partial fulfilment of award of degree of "BACHELOR OF PHARMACY". This work is original and has been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

*B. Haarika*

(Dr. BALUSU HAARIKA)  
Professor and HOD

*T. Saritha Jyotsna*

(Dr. T.SARITHA JYOTSNA)  
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# FORMULATION AND EVALUATION OF ATORVASTATIN CALCIUM EFFERVESCENT FLOATING TABLETS

Thesis submitted to

FACULTY OF PHARMACY

OSMANIA UNIVERSITY, HYDERABAD-500007



By

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DOLLY PARNANI

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170419881062

In partial fulfillment for the award of the degree of  
BACHELOR OF PHARMACY

IN

PHARMACEUTICS

Under the Guidance of  
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Professor & HOD

Department of Pharmaceutics



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad  
2023



## DECLARATION

We hereby declare that the practice school project thesis entitled "**Formulation and Evaluation of Atorvastatin Calcium effervescent floating tablets**" is based on the original work carried out by us under the supervision of **Dr. Balusu Haarika**, Professor and HOD, Department of pharmaceuticals at **SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other Degree or diploma of this or any other University.

Date: 07/08/2023

<b>Nousheen Fatima</b> <i>Nousheen Fatima</i>	<b>170418881055</b>
<b>Dolly Parnani</b> <i>Dr</i>	<b>170418881056</b>
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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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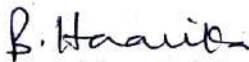
NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

The project work entitled, "Formulation and Evaluation of Atorvastatin Calcium effervescent floating tablets" is a bonafide work carried out Nousheen Fatima, Dolly Parnani, P. Akhila under the supervision of Dr. Balusu Haarika, Professor and HOD, Department of pharmaceutics at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA and submitted to the OSMANIA UNIVERSITY, Hyderabad for the partial fulfillment of the award of the degree " BACHELOR OF PHARMACY" This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Dr. BALUSU HAARIKA)  
PROFESSOR & HOD

  
(Dr. T. SARITHA JYOTHSNA)  
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Secunderabad-500 017.



# EVALUATION OF THE ANTIDIURETIC ACTIVITY OF METHANOLIC LEAF EXTRACT OF *COSTUS IGNEUS* IN RATS

Thesis submitted to  
FACULTY OF PHARMACY



OSMANIA UNIVERSITY, HYDERABAD-500007

By

<b>BAKKA VAISHNAVI</b>	<b>170419881005</b>
<b>BAIRAGONI SAI PRIYA</b>	<b>170419881004</b>
<b>KATTEKOLA PRATHIBHA</b>	<b>170419881035</b>

In partial fulfillment of the award of the degree of  
**BACHELOR OF PHARMACY**

Under the Guidance of

**Dr. VENU TALLA, M. Pharm, Ph.D.**

**Professor & HOD**



**Department of Pharmacology**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
**Tarnaka, Hyderabad - 2023**



## DECLARATION

We hereby declare that the project work entitled "Evaluation of the antidiuretic activity of Methanolic Leaf Extract of *Costus Igneus* in Rats" is based on the original work carried out by us under the supervision of **Dr. Venu Talla** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date:

BAKKA VAISHNAVI

170419881005

*Vaishnavi*

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*B. Sai Priya*

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Ref.: SNVPMV/

Date:

## CERTIFICATE

The project work entitled, ““Evaluation of the antidiuretic activity of Methanolic Leaf Extract of *Costus Igneus* in Rats”” is a bonafide work carried out by Bakka Vaishnavi, Biragoni Sai Priya, Kattakola Prathibha under the supervision of Dr. Venu Talla, professor & HOD at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of “Bachelor of Pharmacy”. This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Dr. VENU TALLA)  
PROFESSOR & HOD

(Dr. T. SARITHA JYOSTNA)

PRINCIPAL  
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**In silico Pharmacokinetic Analysis of Bioactive Constituents and Anthelmintic Activity of flower extract of Peltophorum Pterocarpum**

Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007



By

T. ROSHINI - 1704-19-881-072

T. HAVILA -1704 -19-881-073

**In Partial fulfillment for the award of the degree of  
BACHELOR OF PHARMACY**

**Under the guidance of**

**Dr. S. Anuradha Bai, M.Pharmacy, Ph.D**

**Professor, Department of Quality Assurance**



**SAROJINI NAIDU VANITHA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad**

2023

## DECLARATION

We hereby declare that the project work entitled "*Insilco Pharmacokinetic Analysis of Bioactive Constituents and Anthelmintic Activity of flower extract of *Peltophorum pterocarpum**" is based on the original work carried out by us under the supervision of **Dr. S.Anuradha Bai** , Professor, Department of Quality Assurance at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07-08-2023

*Roshini* T. ROSHINI - 1704-19-881-072

*Havila* T. HAVILA -1704 -19-881-073



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Date: 07-08-2023

## CERTIFICATE

This is to certify that the project work entitled "*Insilco Pharmacokinetic Analysis of Bioactive Constituents and Anthelmintic Activity of flower extract of *Peltophorum pterocarpum**" is a bonafide work carried out by **Talari Roshini and T. Havila** under the supervision of **Dr.S.Anuradha Bai** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Dr. S. ANURADHA BAI)  
PROFESSOR



  
(Dr. T. SARITA JYOSTNA)

**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
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H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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DEVELOPMENT AND VALIDATION OF A SIMPLE U.V.  
SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF  
DAPAGLIFLOZIN IN BULK AND TABLET DOSAGE FORM

Thesis submitted to  
FACULTY OF PHARMACY,  
OSMANIA UNIVERSITY, HYDERABAD, 500007.



By

NADIPUDI SAI PRIYA 1704-19-881-050

PUTTA VAISHNAVI 1704-19-881-064

VADLA SAIPRANAVI 1704-19-881-076

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

*Under the Guidance of*

**Dr. K. NEELIMA, M. Pharm, PhD**

Associate Professor, Department of Pharmaceutical Analysis



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

*Sponsored by Exhibition Society, Tarnaka, Hyderabad*

Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY

2022-2023

## DECLARATION

We hereby declare that the project work entitled “**DEVELOPMENT AND VALIDATION OF A SIMPLE U.V. SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF DAPAGLIFLOZIN IN BULK AND TABLET DOSAGE FORM**” is based on the original work carried out by us under the supervision of **Dr. K. NEELIMA** at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

**Date:** 07 -08-2023

<i>N. Saipriya</i>	NADIPUDI SAI PRIYA	(1704-19-881-050)
<i>P. Vaishnavi</i>	PUTTA VAISHNAVI	(1704-19-881-064)
<i>Pranavi</i>	VADLA SAIPRANAVI	(1704-19-881-076)



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

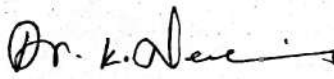
NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date:

## CERTIFICATE

The project work entitled, "DEVELOPMENT AND VALIDATION OF A SIMPLE U.V. SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF DAPAGLIFLOZIN IN BULK AND TABLET DOSAGE FORM" is a bonafied work carried out by N. Sai priya, P. Vaishnavi, V. Saipranavi under the supervision of Dr. K. NEELIMA at SAROJINI NAIDU VANITHA PHARMACY MAHA VIDYALAYA and submitted to OSMANIA UNIVERSITY, Hyderabad for the partial fulfillment of award of degree of "BACHELOR OF PHARMACY". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Dr. K. NEELIMA)  
ASSOCIATE PROFESSOR

  
(Dr. T. SARITHA JYOSTHNA)  
PRINCIPAL

**PRINCIPAL**  
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Secunderabad-500 017.



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e-mail: principal@snvpharmacycollege.com www.snvpharmacycollege.com



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# **New Validated UV Spectrophotometric Method for the Determination of a New Pregabalin Derivative in Capsule Dosage Form**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

**Ms. D. Joyce Sharon (Regd. No. 1704-19-881-015)**

**Ms. G. Divya (Regd. No. 1704-19-881-019)**

**Ms. S. Deepthi (Regd. No. 1704-19-881-068)**

**In partial fulfillment for the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of**

**Dr. Kalam Sirisha**

**M. Pharm., Ph.D.**

**Associate Professor, Department of Pharmaceutical Analysis**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad.**

**2023**



## DECLARATION

We hereby declare that the project work entitled "New Validated UV spectrophotometric method for the determination of a new Pregabalin derivative in capsule dosage form" is based on the original work carried out by us under the supervision of Dr. Kalam Sirisha, Associate Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

Place: Hyderabad

Date: 9/8/23

Ms. Devarapalli Joyce Sharon

1704-19-881-015

Joyce Sharon

Ms. Gorrenka Divya

1704-19-881-019

G. Divya

Ms. Sattoori Deepthi

1704-19-881-068

S. Deepthi





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 9/8/23

## CERTIFICATE

The project work entitled "New Validated UV spectrophotometric method for the determination of a new Pregabalin derivative in capsule dosage form" is a bonafide work carried out by Ms. D. Joyce Sharon, Ms. G. Divya, Ms. S. Deepthi under the supervision of Dr. Kalam Sirisha at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfilment of the award of the degree of "BACHELOR OF PHARMACY". This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

(Dr. K. SIRISHA)  
ASSOCIATE PROFESSOR



(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

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**UV SPECTROPHOTOMETRIC METHOD DEVELOPMENT AND  
VALIDATION FOR SIMULTANEOUS ESTIMATION OF METFORMIN,  
VILDAGLIPTIN AND REMOGLIFLOZIN IN COMBINED DOSAGE FORM**

Thesis submitted to  
**FACULTY OF PHARMACY**  
**OSMANIA UNIVERSITY, HYDERABAD-500007.**



By

**JANGAPALLY JYOTHSNA -170419881029**

**YADARI LIKITHA -170419881080**

**NANDI HEPSIBHA -170419881049**

In partial fulfillment for the award of the degree of  
**BACHALOR OF PHARMACY**

Under the Guidance of

**Dr. P. Vivek Sagar**

**M. Pharm., PhD**

**Department of Pharmaceutical Analysis.**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad 2023**



## Declaration

We hereby declare that the project work entitled “UV Spectrophotometric method development and validation for simultaneous estimation of Metformin, Vildagliptin and Remogliflozin in combined dosage form” is based on the original work carried out by us under the supervision of Dr. P. Vivek Sagar at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tamaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07.06.2023

*Jyothsna*

JANGAPALLY JYOTHSNA -170419881029

*Y. Likitha*

YADARI LIKITHA

-170419881080

*Hepsibha*

NANDI HEPSIBHA

-170419881049





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

SNVPMV/

Date: 07.08.2023

## CERTIFICATE

This is to certify that the project work entitled, "UV Spectrophotometric method development and validation for simultaneous estimation of Remogliflozin, vildagliptin, metformin in combined dosage form", is a bonafide work carried out by J.Jyothsna, N.Hepsibha, Y.Likitha under the supervision of Dr .P. VivekSagar at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Dr.P.VIVEK SAGAR )  
M.PHARM PH.D.,  
PROFESSOR HOD  
DEPARTMENT OF PHARMACEUTICAL ANALYSIS

(Dr.T.SARITHA JYOTNA )

(PRINCIPAL)  
PRINCIPAL

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# PREPARATION AND EVALUATION OF CATECHIN PHYTOSOMES AND INCORPORATING INTO SYRUP

Thesis submitted to  
FACULTY OF PHARMACY,  
OSMANIA UNIVERSITY, HYDERABAD, 500007.



By

**BEGARI SINDHUJA** 1704-19-881-009

**BHARGAVI. U** 1704-19-881-010

In partial fulfillment for the award of the degree of  
**BACHELOR OF PHARMACY**

**Under the Guidance of**  
**Dr. P. PRANEETHA**  
Department of Pharmacognosy



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
**Tarnaka, Hyderabad- 2023**

## DECLARATION

We hereby declare that the project work entitled "**Formulation and Evaluation of Catechin Phytosomes and Incorporation into Syrup**" is based on the original work carried out by us under the supervision of **Dr. P. Praneetha** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07-08-2023 .

*B. Sindhuja*  
**BEGARI. SINDHUJA** (1704-19-881-009)

**BHARGAVI U** (1704-19-881-010)

*Bhargavi U*



**SIMULTANEOUS ESTIMATION OF TELMISARTAN AND  
AMLODIPINE BY U.V SPECTROPHOTOMETRIC METHOD IN  
BULK AND DOSAGE FORMULATION**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



By

**KALLA DIVYA LAKSHMI SAHITHI (1704-19-881-032)**

**LENKALA AKASHA REDDY (1704-19-881-039)**

**VARIKUPPALA MAMATHA (1704-19-881-077)**

In partial fulfillment of the award of the degree of  
**BACHELOR OF PHARMACY**

**Under the Guidance of  
Dr. B. SIVA JYOTHI, M. Pharm, PhD  
Associate Professor, Department of Pharmaceutical quality assurance.**



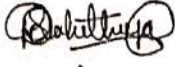
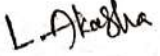
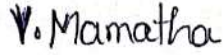
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad -2023**



## DECLARATION

We hereby declare that the project work entitled “SIMULTANEOUS ESTIMATION OF TELMISARTAN AND AMLODIPINE BY U.V SPECTROPHOTOMETRIC METHOD IN BULK AND DOSAGE FORMULATION” is based on the original work carried out by us under the supervision of Dr.B. Siva Jyothi at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 09-08-2023

	KALLA DIVYA LAKSHMI SAHITHI	(1704-19-881-032)
	LENKALA AKASHA REDDY	(1704-19-881-039)
	VARIKUPPALA MAMATHA	(1704-19-881-077)



# **FORMULATION AND EVALUATION OF TELMISARTAN FAST DISSOLVING TABLETS**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

**AFRA FATIMA  
G.SRINIDHI**

**170419881002  
170419881026**

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. Dr. S. ROHINI REDDY, Ph.D  
Associate Professor, Department of Pharmaceutics**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**

## DECLARATION

We hereby declare that the project work entitled "Formulation and Evaluation of TelmisartanFast Dissolving Tablets" is based onthe originalwork carried out by us under the supervision of Smt. Dr. S. Rohini Reddy at Sarojini Naidu Vanita Pharmacy MahaVidyalaya, Tarnaka, Hyderabad. We also affirmthat this workis original and has not been submittedin part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07-08-2023

AFRA FATIMA  
G.SRINIDHI

170419881002  
170419881026

*Af Fatima*  
*G-Srinidhi*





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 07-08-2023

## CERTIFICATE

The project work entitled, "Formulation and Evaluation of Telmisartan Fast Dissolving Tablets" is a bonafide work carried out by **Afra Fatima, G.Srinidhi** under the supervision of **Smt. Dr. S. Rohini Reddy** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Mrs. Dr. S. ROHINI REDDY)  
ASSOCIATE PROFESSOR

(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
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Secunderabad-500 017.



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e-mail: principal@snvpharmacycollege.com www.snvpharmacycollege.com



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**FORMULATION AND EVALUATION OF GASTRO RETENTIVE  
DRUG DELIVERY SYSTEM OF TELMISARTAN**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

**MADIGA RIBUKA 170419881042  
MENDE HARIKA 170419881045  
NENAVATH MAHESWARI 170419881053**

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. Dr. CH. SHANTHI PRIYA, Ph.D  
Associate Professor, Department of Pharmaceutics**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**

## DECLARATION

We hereby declare that the project work entitled “**Formulation and Evaluation of GastroRetentive Drug Delivery System of Telmisartan**” is based on the original work carried out by us under the supervision of **Smt. Dr. CH. ShanthiPriyaat Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad**. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 8-8-2023

MADIGA RIBUKA

170419881042 Ribuka

MENDE HARIKA 170419881045 M. Harika

NENAVATHMAHESWARI 170419881053 Mahi





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution


NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date:

## CERTIFICATE

The project work entitled, "Formulation and Evaluation of Gastro Retentive Drug Delivery System of Telmisartan" is a bonafide work carried out by M. Ribuka, M. Harika, N. Maheswari, under the supervision of Smt. Dr. CH. Shanthi Priya at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Mrs. Dr. CH. SHANTHI PRIYA)  
ASSOCIATE PROFESSOR



  
(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL  
PRINCIPAL

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Vijayapuri Colony, S.Lalaguda, Tarnaka  
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e-mail: principal@snvpharmacvcollege.com www.snvpharmacvcollege.com



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# **FORMULATION AND EVALUATION OF HERBAL TOPICAL CREAM**

**Thesis submitted to**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD-500017**



**By**

**BATHULABHAVISHYA                      170419881007**

**PINKEY DEVI CHOUDHARY            170419881061**

**RAPARTHI MEGHANA                    170419881065**

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

**BACHELOR OF PHARMACY**

**IN**

**DEPARTMENT OF PHARMACEUTICAL ANALYSIS**

**Under the Guidance of**

**Leemol Varghese, Sr. Assistant Professor,**

**Department of Pharmacognosy.**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Secunderabad. 2023**



## DECLARATION

We hereby declare that the project work entitled "Formulation and Evaluation of Herbal Topical Cream" is based on the original work carried out by us under the supervision of Smt. Leemol Varghese at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/2023

B.BHAVISHYA

170419881007

*Bhavishya B*

PINKEY DEVI CHOUDHARY

170419881061

*Pinkey*

R. MEGHANA

170419881065

*R. Meghna*



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

This is to certify that the project work entitled "Formulation and Evaluation of Herbal Topical Cream" is a work carried out by B.Bhavishya, Pinkey Devi Choudhary, R.Meghana under the supervision of Smt Leemol Varghese at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor Of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Smt. LEEMOL VARGHESE)  
Sr. ASSISTANT PROFESSOR

(Dr. T. SARITHAJYOSTNA)  
PRINCIPAL  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.



**FORMULATION, DEVELOPMENT AND *IN-VITRO* EVALUATION OF  
LANSOPRAZOLE NANOSTRUCTURED LIPID CARRIERS**



**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**

**By**

<b>B.Hema Latha</b>	<b>1704-19-881-013</b>
<b>K.Rishi Priya</b>	<b>1704-19-881-031</b>
<b>M.Mamatha</b>	<b>1704-19-881-041</b>
<b>P.Nikitha</b>	<b>1704-19-881-057</b>

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. CH.BHARGAVI, M. Pharm, (Ph.D)  
Assistant Professor, Department of Pharmaceutics**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023.**



## DECLARATION

We hereby declare that the project work entitled "Formulation, Development and *in-vitro* evaluation of Lansoprazole Nanostructured Lipid Carriers " is based on the original work carried out by us under the supervision of Smt.CH.Bhargavi at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/2023

B.HEMA LATHA	170419881013	Hemalatha
K.RISHIPRIYA	170419881031	Rishipriya
M.MAMATHA	170419881041	Mamatha
P.NIKITHA	170419881057	<u>Nikitha</u>



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

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ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

The project work entitled, "Formulation, Development and *In-vitro* Evaluation of Lansoprazole Nanostructured Lipid Carriers" is a bonafide work carried out by B. Hema Latha, K. Rishipriya, M. Mamatha, P.Nikitha under the supervision of Smt.CH.Bhargavi at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Mrs. CH. BHARGAVI)  
ASSISTANT PROFESSOR



  
(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL  
PRINCIPAL

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# **PREPARATION AND COMPARATIVE EVALUATION OF PREGABALIN LOADED MICROBEADS BY IONIC GELATION**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

<b>BHUTHKURI PRANITHA</b>	<b>170419881011</b>
<b>BIKKUMALLA DIVYA</b>	<b>170419881012</b>
<b>MIRYALA SRI LEKHA</b>	<b>170419881046</b>
<b>SIMRAN</b>	<b>170418881070</b>

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. P. Divya theja, M. Pharm,  
Assistant Professor, Department of ~~Pharmaceutics~~**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**



## DECLARATION

We hereby declare that the project work entitled "Preparation and Comparative Evaluation of Pregabalin Loaded Microbeads by Ionic Gelation Method" is based on the original work carried out by us under the supervision of Smt. P. Divya theja at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 7/8/2023

170419881011  
170419881012  
170419881046  
170419881070

BHUTHKURI PRANITHA	B. Pranitha	1
BIKKUMALLA DIVYA	B. Divya	1
MIRYALA SRI LEKHA	M. Sri Lekha	1
SIMRAN	Simran	1





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

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ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 7/8/2023

## CERTIFICATE

The project work entitled, "Preparation and Comparative Evaluation of Pregabalin Loaded Microbeads by Ionic Gelation Method" is a bonafide work carried out by B. Pranitha, B. Divya, M. Sri Lekha, Simran under the supervision of Smt. P. Divya theja at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

*Djia*

(Mrs. P. DIVYA THEJA)  
ASSISTANT PROFESSOR

*[Signature]*

(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL

PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.



# FORMULATION AND *IN-VITRO* EVALUATION OF FESOTERODINE FUMARATE LOADED MICROBEADS by ION GELATION METHOD

Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007



by

G. SATHVIKA	170419881021
P. DIVYA JYOTHI	170419881059
S. CHERISHMA	170419881066
S. SAISNEHANJALI	170419881067

In partial fulfillment of the award of the degree of  
**BACHELOR OF PHARMACY**  
IN  
**PHARMACEUTICS**

Under the Guidance of  
**Smt. G. SRI LALITHA, M. Pharm, (Ph.D)**  
Assistant Professor, Department of Pharmaceutics



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
Tarnaka, Hyderabad - 2023

### Declaration

We hereby declare that the project work entitled "Formulation and *In-vitro* Evaluation of Fesoterodine Fumarate Loaded Microbeads by Ion Gelation Method" is based on the original work carried out by us under the supervision of Smt. G. SRI LALITHA at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/23

G. SATHVIKA	170419881021	G. Sathvika
P. DIVYA JYOTHI	170419881059	Divya Jyothi
S. CHERISHMA	170419881066	Cherishma
S. SAISNEHANJALI	170419881067	Saisnehanjali



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Ref.: SNVPMV/

Date: 07/08/23

## CERTIFICATE

The project work entitled, "Formulation and *In-vitro* Evaluation of Fesoterodine Fumarate Loaded Microbeads by Ion Gelation Method" is a bonafide work carried out by G. Sathvika, P. Divya Jyothi, S. Cherishma, S. Saisnehanjali under the supervision of Smt. G. Sri Lalitha at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Mrs. G. SRI LALITHA)  
ASSISTANT PROFESSOR



(Dr. T. SARITHA JYOSTNA)  
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**FORMULATION AND *IN VITRO* EVALUATION OF DEXLANSOPRAZOLE ORAL FILM**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

**G. Sai Vineela            170419881023**  
**G. Harshavardhini      170419881024**  
**Mubashira Majida      170419881047**  
**Sumayya Maheen        170419881071**

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. R. PRASANTHI, M. Pharm, (Ph.D)  
Assistant Professor, Department of Pharmaceutical Quality Assurance**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**

## DECLARATION

We hereby declare that the project work entitled “**Formulation and *in vitro* evaluation of Dexlansoprazole oral film**” is based on the original work carried out by us under the supervision of **Smt. R. Prasanthi** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 07/08/2023

**G. Sai Vineela**

170419881023

*Sai Vineela*

**G. Harshavardhini**

170419881024

*Harshavardhini*

**Mubashira Majida**

170419881047

*Mubashira Majida*

**Sumayya Maheen**

170419881071

*Sumayya Maheen*



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Ref.: SNVPMV/

Date: 07/08/2023

## CERTIFICATE

The project work entitled, "Formulation and *in vitro* evaluation of dexlansoprazole oral film" is a bonafide work carried out by G. Sai Vineela, G. Harshavardhini, Mubashira Majida, Sumayya Maheen under the supervision of Mrs. R. Prasanthi at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Mrs. R. PRASANTHI)  
ASSISTANT PROFESSOR

(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL

PRINCIPAL

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Secunderabad-500 017.



**FORMULATION AND EVALUATION OF OKRA ALGINATE BEADS**

**Thesis submitted to  
FACULTY OF PHARMACY**



**OSMANIA UNIVERSITY, HYDERABAD-500007**

**By**

**A.SREEJA 170419881001**

**E. MANISHA 170419881018**

**M. RAJINI 170419881044**

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

**BACHELAR OF PHARMACY**

**Under the Guidance of**

**Dr.M.Swetha M.Pharm., Ph.D  
Assistant Professor**

**Department of Pharmaceutics**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

**Tarnaka, Hyderabad**

**2023**



## DECLARATION

We hereby declare that the project work entitled “**Formulation and Evaluation of Okra Alginate Beads**” is Based on the original work carried out by us under the supervision of **Dr.M.Swetha, Assistant professor ,Department of Pharmaceutics at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA, Tarnaka, Hyderabad.** We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 7/8/2023

A.SREEJA	170419881001	A-Sreeja
E. MANISHA	170419881018	E. Manisha
M. RAJINI	170419881044	M. Rajini





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Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 7/8/23

## CERTIFICATE

This is to certify that the project work entitled "Formulation and Evaluation of Okra Alginate Beads" is bonafied work carried out by A.Sreeja, E.Manisha & M. Rajini under the supervision of Dr.M.Swetha, Assistant professor, Department of Pharmaceutics at SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA and submitted to OSMANIA UNIVERSITY, Hyderabad for the partial fulfillment of the award of the degree of "BACHELOR OF PHARMACY". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

*M. Swetha*

(Dr. M. SWETHA)  
ASSISTANT PROFESSOR

*[Signature]*

(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL

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# **PHARMACOLOGICAL EVALUATION OF ANTIDEPRESSANT ACTIVITY USING POLYHERBAL EXTRACTS**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

<b>GOURISHETTI APOORVA</b>	<b>170419881025</b>
<b>KONDPALLI MAYURI</b>	<b>170419881036</b>
<b>LISA PATEL</b>	<b>170419881040</b>

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. A.SHAILAJA, M. Pharm, (Ph.D)  
Assistant Professor, Department of Pharmacology**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**

## DECLARATION

We hereby declare that the project work entitled "Pharmacological Evaluation of Antidepressant Actively Using Polyherbal Extracts" is based on the original work carried out by us under the supervision of Smt. A.Shallaja at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 10/8/23

GOURISHETTI APOORVA	170419881025	<i>Apoorva</i>
KONDPALLI MAYURI	170419881036	<i>Mayurip</i>
LISA PATEL	170419881040	<i>Lisa Patel</i>



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Ref.: SNVPMV/

Date: 07-Aug-2023.

## CERTIFICATE

The project work entitled, "Pharmacological Evaluation of Antidepressant Activity Using Polyherbal Extracts" is a bonafide work carried out by Gourishetti Apoorva, Kondpalli Mayuri, Lisa Patel under the supervision of Smt. at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Mrs. A. SHAILAJA)  
ASSISTANT PROFESSOR

(Dr. T. SARITHA JYOSTNA)  
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**METHOD DEVELOPMENT AND VALIDATION BY UV  
SPECTROSCOPY FOR ESTIMATION OF ARTIFICIAL SWEETENERS  
IN LOCALLY AVAILABLE MARKETED SOFT DRINKS & PACKED  
FRUIT JUICES**

**Thesis submitted to FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

**BEERAVELLI HARSHITHA REDDY (1704-19-881-008)  
GANGARAJU POOJITHA (1704-19-881-020)  
THOTTEMPUDI SIRI (1704-19-881-074)**

**In partial fulfillment for the award of the  
degree of BACHELOR OF PHARMACY**

**In**

**DEPARTMENT OF PHARMACEUTICAL ANALYSIS**

**Under the Guidance of  
R. Swetha Sri, Assistant Professor,  
Department of Pharmaceutical Quality Assurance.**




**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Secunderabad-2023**

## DECLARATION

We hereby declare that the project work entitled "METHOD DEVELOPMENT AND VALIDATION BY UV SPECTROSCOPY FOR ESTIMATION OF ARTIFICIAL SWEETENERS IN LOCALLY AVAILABLE MARKETED SOFT DRINKS & PACKED FRUIT JUICES" is based on the original work carried out by us under the supervision of R. SWETHA SRI at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 1/8/2023

Harshitha B	BEERAVELLI HARSHITHA REDDY	(1704-19-881-008)
	GANGARAJU POOJITHA	(1704-19-881-020)
T. Siri	THOTTEMPUDI SIRI	(1704-19-881-074)



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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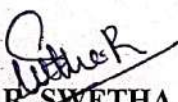
NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 7/8/2023

## CERTIFICATE

The project work entitled, "METHOD DEVELOPMENT AND VALIDATION BY UV-SPECTROSCOPY FOR ESTIMATION OF ARTIFICIAL SWEETENERS IN LOCALLY AVAILABLE MARKETED SOFT DRINKS & PACKED FRUIT JUICES" is a bonafide work carried out by B. Harshitha Reddy, G. Poojitha, T. Siri under the supervision of R. Swetha Sri at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfilment of award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

  
(Smt. R. SWETHA SRI)  
ASSISTANT PROFESSOR

  
(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL



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# **PHARMACOLOGICAL EVALUATION OF ANTHELMINTIC ACTIVITY OF OCIMUM TENUIFLORUM**

**Thesis submitted to  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD-500007**



**By**

<b>BANOTH SHRAVASTI</b>	<b>170419881006</b>
<b>JAGANNADHAM TEJASHWINI</b>	<b>170419881028</b>
<b>VOORE POOJITHA</b>	<b>170419881079</b>

**In partial fulfillment of the award of the degree of  
BACHELOR OF PHARMACY**

**Under the Guidance of  
Mrs. P.UMA , M. Pharm, (Ph.D)  
Assistant Professor, Department of Pharmacology**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Tarnaka, Hyderabad - 2023**



## DECLARATION

We hereby declare that the project work entitled "Pharmacological Evaluation of Anthelmintic Activity of *Ocimum tenuiflorum*" is based on the original work carried out by us under the supervision of Smt. P.Uma at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 7/6/2023

BANOTH SHRAVASTI

170419881006

Shravasti

JAGANNADHAM TEJASHWINI

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Tejashwini

VOORE POOJITHA

170419881079

Poojitha .V



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Ref.: SNVPMV/

Date: 7/8/2023

## CERTIFICATE

The project work entitled, "Pharmacological Evaluation of Anthelmintic Activity of *Ocimum tenuiflorum*" is a bonafide work carried out by Banoth Shravasti , Jagannadham Tejashwini, Voore Poojitha under the supervision of Smt. P.Uma at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "Bachelor of Pharmacy". This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

(Mrs. P. UMA)  
ASSISTANT PROFESSOR

(Dr. T. SARITHA JYOSTNA)  
PRINCIPAL



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DISSERTATION ON  
**ACUTE REJECTIONS IN IMMEDIATE POST RENAL  
TRANSPLANTATION PERIOD: ETIOLOGY, TREATMENT  
OPTIONS AND CLINICAL OUTCOMES**

Thesis Submitted to

**OSMANIA UNIVERSITY**



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

By

**NALLA SANJANA**

**1704-18-882-018**

**SHIKA MAHATHI**

**1704-18-882-024**

**NISHATH FATIMA**

**1704-18-882-020**

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. N. SRINIVAS, M. Pharm, Ph.D  
Professor & Director, SNVPMV**

**CLINICAL GUIDE**

**Dr. J.AL. RANGANATH, MD, DM  
Sr. Consultant Nephrologist, Renal Transplant Physician  
Medicover Hospitals, Hi-Tech City, Hyderabad**



**DEPARTMENT OF PHARM. D**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

*Sponsored by Exhibition Society, Tarnaka, Hyderabad*

**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date : 06/09/2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "ACUTE REJECTIONS IN IMMEDIATE POST RENAL TRANSPLANTATION PERIOD: ETIOLOGY, TREATMENT OPTIONS AND CLINICAL OUTCOMES" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

- |                   |                                  |
|-------------------|----------------------------------|
| 1. NALLA SANJANA  | 1704-18-882-018, Pharm. D V Year |
| 2. SHIKA MAHATHI  | 1704-18-882-024, Pharm. D V Year |
| 3. NISHATH FATIMA | 1704-18-882-020, Pharm. D V Year |

Under the direct supervision and guidance of **Dr. N. SRINIVAS**, Professor & Director, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr.J.AL. RANGANATH**, Sr. Consultant Nephrologist, Renal Transplant Physician, Medicover Hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

**Dr. Venu Falla**, M. Pharm., Ph.D

Professor & Head,

Department of Pharm. D



**Dr. T. Saritha Jyostna**, M.Pharm., Ph.D

Professor & Principal

**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Ref.: SNVPMV/

Date :

## CERTIFICATE

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1. NALLA SANJANA 1704-18-882-018, Pharm. D V Year
2. SHIKA MAHATHI 1704-18-882-024, Pharm. D V Year
3. NISHATH FATIMA 1704-18-882-020, Pharm. D V Year

under the direct supervision and guidance of Dr. N. Srinivas, Professor & Director, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of Dr.J.AL. Ranganath, Sr. Consultant Nephrologist, Renal Transplant Physician, Medcover hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

Date: 06/09/2023  
Place: Hyderabad

  
ACADEMIC GUIDE

Dr. N. Srinivas, M. Pharm., Ph.D  
Professor & Director

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.  
Phone : 040-27002221, Mobile : 92480 77972  
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## MEDICOVER HOSPITALS

A UNIT OF SAHRUDAYA HEALTHCARE PVT. LTD.

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

### CERTIFICATE

This is to certify that, this dissertation work entitled “ACUTE REJECTIONS IN IMMEDIATE POST RENAL TRANSPLANTATION PERIOD: ETIOLOGY, TREATMENT OPTIONS AND CLINICAL OUTCOMES” being submitted to **Osmania University**, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

- |                   |                                   |
|-------------------|-----------------------------------|
| 1. NALLA SANJANA  | 1704-18-882-018 (Pharm. D V Year) |
| 2. SHIKA MAHATHI  | 1704-18-882-024 (Pharm. D V Year) |
| 3. NISHATH FATIMA | 1704-18-882-020 (Pharm. D V Year) |

Under the direct supervision and guidance of **Dr. N. SRINIVAS**, Professor & Director, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. J. AL. RANGANATH**, Sr. Consultant Nephrologist, Renal Transplant Physician, Medicovert hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

*J. Al. Ranganath*

CLINICAL GUIDE

**Dr. J. AL. Ranganath, MD, DM**  
Sr. Consultant Nephrologist,  
Renal Transplant Physician  
Medicovert hospitals, Hi-Tech City

**Dr. RANGANATH JAL**  
Sr. Consultant Nephrology & Renal Transplant Phys.  
MD, DM (NEPHROLOGY)  
Reg. 44696

Date: 06/09/2023  
Place: Hyderabad

# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> Feb 2023

To

The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE: THESIS PROTOCOL: ACUTE REJECTIONS IN IMMEDIATE POST RENAL TRANSPLANTATION PERIOD : ETIOLOGY, TREATMENT OPTIONS AND CLINICAL OUTCOMES.**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> Feb 2023.

Sr.No	Documents
1.	Acute rejections in immediate post renal transplantation period : etiology, treatment options and clinical outcomes.
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students.**

1. NALLA SANJANA
2. SHIKA MAHATHI
3. NISHATH FATIMA

(REG.NO.1704-18-882-018 )

(REG.NO.1704-18-882-024)

(REG.NO.1704-18-882-020)

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> Feb 2023 at 03:00 PM and following members were present as a part of the quorum during the review of your study document.



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081.  
T:+91 40 6833 4455



# Institutional Ethic Committee Medicover Hospitals



**MEDICOVER**  
HOSPITALS

A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFLIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior-Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

  
Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethic Committee  
Medicover Hospitals



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081  
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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

NBA Accredited for B. Pharmacy course



## DECLARATION

We hereby declare that, the research work embodied in this dissertation entitled "**ACUTE REJECTIONS IN IMMEDIATE POST RENAL TRANSPLANTATION PERIOD: ETIOLOGY, TREATMENT OPTIONS AND CLINICAL OUTCOMES**" is an original research work carried out by us under the direct supervision and guidance of **Dr. N. Srinivas**, Professor & Director, SNVPMV and the co-guidance of **Dr. J. AL. Ranganath**, Sr. Consultant Nephrologist, Renal Transplant Physician, Medcover Hospitals, Hi-Tech City, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree of Diploma to this or any other University or Institution.

1. NALLA SANJANA

1704-18-882-018, Pharm. D V Year *N. Sanjana*

2. SHIKA MAHATHI

1704-18-882-024, Pharm. D V Year *Shika Mahathi*

3. NISHATH FATIMA

1704-18-882-020, Pharm. D V Year *Nishath*

Date: 06/09/2023

Place: Hyderabad

**DISSERTATION ON  
EVALUATION OF THE CLINICAL OUTCOMES OF VARIOUS  
MANAGEMENT APPROACHES ON METABOLIC AND HORMONAL  
PROFILE IN POLYCYSTIC OVARIAN SYNDROME (PCOS)**

**Thesis Submitted to**

**OSMANIA UNIVERSITY**



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

**By**

<b>DIKSHA GUPTA</b>	<b>1704-18-882-007</b>
<b>KANATHALA SHAILAJA</b>	<b>1704-18-882-012</b>
<b>ISHRATH JAHANM</b>	<b>1704-18-882-009</b>

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. N SRINIVAS, M. PHARM, Ph.D.**

**Professor & Director, SNVPMV**

**CLINICAL GUIDE**

**Dr. B Radhika, MBBS, MD**

**Senior Gynaecologist & Obstetrician,  
Laparoscopic Surgeon, Infertility Specialist  
Medicover Hospitals, Hi-Tech City, Hyderabad**



**DEPARTMENT OF PHARM. D**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

*Sponsored by Exhibition Society, Tarnaka, Hyderabad*

**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 06/09/2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "EVALUATION OF THE CLINICAL OUTCOMES OF VARIOUS MANAGEMENT APPROACHES ON METABOLIC AND HORMONAL PROFILE IN POLYCYSTIC OVARIAN SYNDROME" being submitted to Osmania University, Hyderabad, in partial fulfilment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

**DIKSHA GUPTA**

1704-18-882-007 , Pharm. D V Year

**KANATHALA SHAILAJA**

1704-18-882-012 , Pharm. D V Year

**ISHRATH JAHAN**

1704-18-882-009 , Pharm. D V Year

under the direct supervision, guidance of **Dr. N Srinivas**, Professor & Director, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. B Radhika**, Senior Gynecologist & Obstetrician, Medicover hospital, Hi-Tech City, is a bonafide record of original research work carried out during the academic year 2022-2023.

**Dr. Venu Talla**, M. Pharm., Ph.D.  
Professor & Head  
Department of Pharm.D



**Dr. T. Saritha Jyostna**, M. Pharm., Ph.D.  
Professor & Principal  
**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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e-mail: principal@snpvpharmacycollege.com www.snpvpharmacycollege.com



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f.: SNVPMV/

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DIKSHA GUPTA

1704-18-882-007, Pharm. D V Year

KANATHALA SHAILAJA

1704-18-882-012, Pharm. D V Year

ISHRATH JAHAN

1704-18-882-009, Pharm. D V Year

under my direct supervision, guidance and the co-guidance of Dr. B Radhika, Senior Gynecologist & Obstetrician, Medicovert hospital, Hi-Tech City, is a bonafide record of original research work carried out during the academic year 2022-2023.

ACADEMIC GUIDE

Dr. N SRINIVAS, M. PHARM, Ph.D.

Professor & Director

Place: Hyderabad

No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone : 040-27002221, Mobile : 92480 77972

e-mail : principal@snvpharmacycollege.com www.snvpharmacycollege.com



MEDICOVER HOSPITALS



A UNIT OF SAHRUDAYA HEALTHCARE PVT. LTD.

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

**CERTIFICATE**

This is to certify that, this dissertation work entitled “**EVALUATION OF THE CLINICAL OUTCOMES OF VARIOUS MANAGEMENT APPROACHES ON METABOLIC AND HORMONAL PROFILE IN POLYCYSTIC OVARIAN SYNDROME**” being submitted to **Osmania University**, Hyderabad, in partial fulfilment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

**DIKSHA GUPTA**  
**KANATHALA SHAILAJA**  
**ISHRATH JAHAN**

**1704-18-882-007 , Pharm. D V Year**  
**1704-18-882-012 , Pharm. D V Year**  
**1704-18-882-009 , Pharm. D V Year**

under my direct supervision, guidance and co-guidance of **Dr. N Srinivas**, Professor & Director, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, is a bonafide record of original research work carried out during the academic year 2022-2023.

**Dr. B. RADHIKA**

MBBS, MD (Obs & Gyn)  
Infertility Specialist & Laparoscopic Surgeon  
Obstetrician & Gynaecologist  
Reg No: 15455

CLINICAL GUIDE

**Dr. B Radhika, , MBBS,MD**  
Senior Gynaecologist & Obstetrician,  
Laparoscopic Surgeon, Infertility Specialist  
Medicover Hospitals, Hi-Tech City, Hyderabad

Date: 06/09/2023

Place: Hyderabad



# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> March 2023

To  
The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE: Evaluation of the clinical outcomes of Myoinositol, Metformin and Oral Contraceptive Pills alone and in combination on metabolic and hormonal profile in women with PCOS: A Prospective Observational Study ..**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

Sr.No	Documents
1.	Evaluation of the clinical outcomes of Myoinositol, Metformin and Oral Contraceptive Pills alone and in combination on metabolic and hormonal profile in women with PCOS: A Prospective Observational Study .
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students.**

1. Diksha Gupta
2. K. Shailaja
3. Ishrath Jahan

(REG.NO.1704-18-882-007)

(REG.NO.1704-18-882-012)

(REG.NO.1704-18-882-009)



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# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 04:00 PM and following members were present as a part of the quorum during the review of your study document.

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFLIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*

Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



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**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
(Sponsored by Exhibition Society, Tarnaka, Hyderabad)


Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

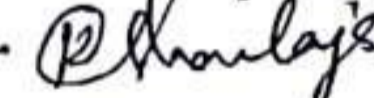
NBA Accredited for B. Pharmacy course




**DECLARATION**

We hereby declare that, the research work embodied in this dissertation entitled **“EVALUATION OF THE CLINICAL OUTCOMES OF VARIOUS MANAGEMENT APPROACHES ON METABOLIC AND HORMONAL PROFILE IN POLYCYSTIC OVARIAN SYNDROME”** is an original research work carried out by us under the direct supervision and guidance of **Dr. N Srinivas**, Professor & Director, SNVPMV and the co-guidance of **Dr. B Radhika**, Senior Gynaecologist & Obstetrician, Medicover Hospital, Hi-Tech City for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree of Diploma to this or any other University or Institution.

**DIKSHA GUPTA** 1704-18-882-007, Pharm. D V Year 

**KANATHALA SHAILAJA** 1704-18-882-012, Pharm. D V Year 

**ISHRATH JAHAN** 1704-18-882-009, Pharm. D V Year 

Date: 06/09/2023

Place: Hyderabad

DISSERTATION ON  
EVALUATION OF THE IMPACT OF PROBIOTICS IN PATIENTS  
UNDERGOING RADICAL RADIATION THERAPY – A PROSPECTIVE  
STUDY

Thesis Submitted to  
OSMANIA UNIVERSITY



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

By

<b>K. TEJASVI</b>	<b>1704-18-882-011</b>
<b>MAHESHWARAM DIVYA</b>	<b>1704-18-882-015</b>
<b>BOJJA SAHARSHA REDDY</b>	<b>1704-18-882-004</b>

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. VENU TALLA, M. Pharm., Ph.D.**

**Professor & HOD, Department of Pharm. D, SNVPMV**

**CLINICAL GUIDE**

**Dr. VINODH MADDIREDDY, DNB (FRCR)**

**Consultant Radiation Oncologist, Director of Radiation Oncology,  
Medicover Hospitals, Hi-Tech City, Hyderabad**



**DEPARTMENT OF PHARM. D**  
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
*Sponsored by Exhibition Society, Tarnaka, Hyderabad*  
**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 06.09.2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "EVALUATION OF THE IMPACT OF PROBIOTICS IN PATIENTS UNDERGOING RADICAL RADIATION THERAPY – A PROSPECTIVE STUDY" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

1. K. TEJASVI 1704-18-882-011, Pharm. D V Year
2. MAHESHWARAM DIVYA 1704-18-882-015, Pharm. D V Year
3. BOJJA SAHARSHA REDDY 1704-18-882-004, Pharm. D V Year

Under the direct supervision and guidance of Dr. Venu Talla, Professor & Head, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of Dr. Vinodh Maddireddy, Sr. Consultant Radiation Oncologist, Medicover Cancer Institute, Hi-Tech City, is a bonafide record of original research work carried out during the academic year 2022-2023.

Dr. Venu Talla, M. Pharm., Ph.D.  
Professor & Head  
Department of Pharm. D

Place: Hyderabad



Dr. T. Saritha Jyostna, M. Pharm., Ph.D.  
Professor & Principal

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S. Lalaguda, Tarnaka  
Secunderabad-500 017.

PRINCIPAL

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972

e-mail: principal@snp-pharmacycollege.com www.snp-pharmacycollege.com





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

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2. **MAHESHWARAM DIVYA** 1704-18-882-015, Pharm. D V Year
3. **BOJJA SAHARSHA REDDY** 1704-18-882-004, Pharm. D V Year

Under my direct supervision and guidance, and the co-guidance of **Dr. Vinodh Maddireddy**, Sr. Consultant Radiation Oncologist, Medicovert Cancer Institute, Hi-Tech City, is a bonafide record of original research work carried out during the academic year 2022-2023.

ACADEMIC GUIDE

**Dr. Venu Talla**, M. Pharm., Ph.D.  
Professor  
Department of Pharm. D

Date: 06.09.2023  
Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.  
Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972  
e-mail: principal@snavpharmacycollege.com www.snavpharmacycollege.com



## **MEDICOVER HOSPITALS**

**A UNIT OF SAHRUDAYA HEALTHCARE PVT. LTD.**

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

### **CERTIFICATE**

This is to certify that, this dissertation work entitled “**EVALUATION OF THE IMPACT OF PROBIOTICS IN PATIENTS UNDERGOING RADICAL RADIATION THERAPY – A PROSPECTIVE STUDY**” being submitted to **Osmania University, Hyderabad**, in partial fulfillment of requirements for the award of Degree of **DOCTOR OF PHARMACY**, has been successfully carried out by:

- 1. K. TEJASVI** 1704-18-882-011 (Pharm. D V Year)
- 2. MAHESHWARAM DIVYA** 1704-18-882-015 (Pharm. D V Year)
- 3. BOJJA SAHARSHA REDDY** 1704-18-882-004 (Pharm. D V Year)

Under the direct supervision and guidance of **Dr. Venu Talla**, Professor & HOD, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Vinodh Maddireddy**, Sr. Consultant Radiation Oncologist, Medicovert Cancer Institute, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

**Dr. Vinodh Maddireddy**  
MBBS DNB (Radiation Oncology). (FRCR)  
Senior Consultant Radiation Oncology  
Chief of Radiation Oncology  
Regd. No: 49352  
Phone No: 9963527363  
**CLINICAL GUIDE**

Date: 06.09.2023  
Place: Hyderabad

**Dr. Vinodh Maddireddy**, DNB (FRCR)  
Consultant Radiation Oncologist,  
Director of Radiation Oncology,  
Medicovert Hospitals, Hitech City, Hyderabad

Institutional Ethic Committee  
Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

Institutional Ethics Committee Medicover Hospitals

Chairman

i.Anabheri Nava mohan Rao

H/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> March 2023

Dear Pharm.D Students,  
Sri. Jyoti Naidu Vanita Pharmacy Maha Vidyalaya  
Kampanaka, Hyderabad  
Telangana, India.

**RE: EVALUATION OF THE IMPACT OF PROBIOTICS IN PATIENTS UNDERGOING  
RADICAL RADIATION THERAPY – A PROSPECTIVE STUDY.**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

No	Documents
1.	Evaluation of the impact of probiotics in patients undergoing radical radiation therapy – a prospective study.
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**above mention Protocol is Approved for below mentioned Students.**

- |                         |                           |
|-------------------------|---------------------------|
| 1. K.Tejasvi            | (REG.NO. 1704-18-882-011) |
| 2. Maheshwaram Divya    | (REG.NO.1704-18-882-015)  |
| 3. Bojja Saharsha Reddy | (REG.NO.1704-18-882-004)  |

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 10:00 PM and following members were present as a part of the quorum during the review of your study document.



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# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFLIATION
Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*  
Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081  
T:+91 40 6833 4455

# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

NBA Accredited for B. Pharmacy course



## DECLARATION

We hereby declare that the research work embodied in this dissertation entitled “**EVALUATION OF THE IMPACT OF PROBIOTICS IN PATIENTS UNDERGOING RADICAL RADIATION THERAPY – A PROSPECTIVE STUDY**” is an original research work carried out by us under the direct supervision and guidance of **Dr. Venu Talla**, Professor & Head, Department of Pharm. D and the co-guidance of **Dr. Vinodh Maddireddy**, Sr. Consultant Radiation Oncologist, Medicover Cancer Institute, Hi-Tech City, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree or Diploma to this or any other University or Institution.

**K. TEJASVI**

1704-18-882-011, Pharm. D V Year

**MAHESHWARAM DIVYA**

1704-18-882-015, Pharm. D V Year

**BOJJA SAHARSHA REDDY**

1704-18-882-004, Pharm. D V Year

Date: 06.09.2023

Place: Hyderabad





**DISSERTATION ON  
EVALUATION OF CLINICAL OUTCOMES OF DAPAGLIFLOZIN IN  
DIABETIC KIDNEY DISEASE**

**Thesis Submitted to  
OSMANIA UNIVERSITY**



*For partial fulfillment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

**By**

<b>BOMMU SHIVANI</b>	<b>1704-18-882-005</b>
<b>NATUKULA KEERTHI</b>	<b>1704-18-882-019</b>
<b>VEMULA MANUSHA</b>	<b>1704-18-882-027</b>

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. VENU TALLA, M Pharm Ph D  
Professor & Head  
Department of Pharm. D, SNVPMV**

**CLINICAL GUIDE**

**Dr. NAVEEN KUMAR POTHIREDDY, MBBS, MD  
Consultant Physician & Diabetologist  
Medicover Hospitals, Hi-Tech city, Hyderabad.**



**DEPARTMENT OF PHARM. D  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
Sponsored by Exhibition Society, Tarnaka, Secunderabad, Telangana, India  
Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date: 06/09/2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "EVALUATION OF CLINICAL OUTCOMES OF DAPAGLIFLOZIN IN DIABETIC KIDNEY DISEASE" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

1. BOMMU SHIVANI 1704-18-888-005, Pharm. D V year
2. NATUKULA KEERTHI 1704-18-882-019, Pharm. D V year
3. VEMULA MANUSHA 1704-18-882-027, Pharm. D V year

Under the direct supervision and guidance of **Dr. Venu Talla**, Professor and Head, Department of Pharm D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Naveen Kumar Pothireddy**, Consultant Physician and Diabetologist, Medicover Hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

**Dr. Venu Talla** M. Pharm, Ph D  
Professor & Head  
Department of Pharm. D

Place: Hyderabad



**Dr. Saritha Jyostna** M. Pharm, Ph D  
Professor & Principal  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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Under my direct supervision and guidance and the co-guidance of Dr. Naveen Kumar Pothireddy, Consultant Physician and Diabetologist, Medicover Hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

Date: 06/09/2023  
Place: Hyderabad

ACADEMIC GUIDE

**Dr. Venu Talla** M. Pharm, Ph D

Professor & Head

Department of Pharm. D, SNVPMV

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972

e-mail: principal@snvpharmacycollege.com www.snvpharmacycollege.com





**MEDICOVER  
HOSPITALS**

A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

**DR. NAVEEN KUMAR P**

MBBS, MD (GENERAL MEDICINE)  
CONSULTANT PHYSICIAN & DIABETOLOGIST.

NAME :

AGE :

**CERTIFICATE**

This is to certify that, this dissertation work entitled "EVALUATION OF CLINICAL OUTCOMES OF DAPAGLIFLOZIN IN DIABETIC KIDNEY DISEASE" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

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2. NATUKULA KEERTHI 1704-18-882-019 (Pharm D. V year)
3. VEMULA MANUSHA 1704-18-882-027 (Pharm D. V year)

Under my co guidance and direct supervision and guidance of Dr. Venu Talla, Professor and Head, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, is a record of bonafide original research work carried out during the academic year 2022-2023. During this project, the students were found to be regular and their performance was satisfactory.

**Dr NAVEEN KUMAR P**  
INTERNAL MEDICINE  
Consultant Physician & Diabetologist  
MBBS, MD (General Medicine)  
Reg.60227

  
CLINICAL GUIDE

**Dr. Naveen Kumar Pothireddy, MBBS, MD**

Consultant Physician & Diabetologist

Medicover Hospitals, Hitech City, Hyderabad

Date: 04/07/2023

Place: Hyderabad



# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> Feb 2023

To  
The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE: THESIS PROTOCOL: EVALUATION OF CLINICAL OUTCOMES OF DAPAGLIFLOZIN IN DIABETIC KIDNEY DISEASE.**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> Feb 2023.

Sr.No	Documents
1.	Evaluation of clinical outcomes of dapagliflozin in diabetic kidney disease.
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students.**

1. NATUKULA KEERTHI
2. VEMULA MANUSHA
3. BOMMU SHIVANI

(REG:NO.1704-18-882-019)

(REG.NO.1704-18-882-027)

(REG.NO.1704-18-882-005)

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> Feb 2023 at 03:00 PM and following members were present as a part of the quorum during the review of your study document.



# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFILIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*

**Dr.Nandana Jasti**  
Member Secretary



Opp Cyber Gateway IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081  
T:+91 40 6833 4455

## SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Secunderabad) Affiliated to Osmania University,  
Hyderabad, Approved by AICTE and PCI, NBA Accredited for B. Pharmacy course



### DECLARATION

We hereby declare that, the research work embodied in this dissertation entitled **“EVALUATION OF CLINICAL OUTCOMES OF DAPAGLIFLOZIN IN DIABETIC KIDNEY DISEASE”** is an original research work carried out by us under the direct supervision and guidance of **Dr. Venu Talla**, Professor & Head, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Secunderabad and the co-guidance of **Dr. Naveen Kumar Pothireddy**, Consultant Physician, Diabetologist, Medicover Hospitals, Hi-Tech City, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree of Diploma to this or any other University or Institution.

**BOMMU SHIVANI**

1704-18-888-005 (Pharm. D V year) *B. Shivani*

**NATUKULA KEERTHI**

1704-18-882-019 (Pharm. D V year) *N. Keerthi*

**VEMULA MANUSHA**

1704-18-882-027 (Pharm. D V year) *V. Manusha*

Date: 06/09/2023

Place: Hyderabad

DISSERTATION ON  
A PROSPECTIVE OBSERVATIONAL EPIDEMIOLOGICAL  
STUDY ON PATIENTS PRESENTING WITH DIZZINESS TO  
OUT-PATIENT AND IN-PATIENT ALONG WITH ITS  
PRESCRIBING TREATMENT PATTERNS

Thesis Submitted to  
OSMANIA UNIVERSITY



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

By

**SAI SHRUTI ADDALA**

**1704-18-882-022**

**ARSHIYA SULTANA**

**1704-18-882-002**

**SYEDA FATIMA BILGRAMI**

**1704-18-882-025**

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. A. SUJALA, PHARM. D**

**Assistant Professor, Department of Pharm. D, SNVPMV**

**CLINICAL GUIDE**

**Dr. PERI VIKRAM KISHORE REDDY, MBBS,  
DNB (Pediatric), DNB (Neurology), Consultant Neurologist,  
Medicover Hospitals, Hi-Tech City, Hyderabad**



**DEPARTMENT OF PHARM. D  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

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**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**







# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/


Date: 06-09-2023

## CERTIFICATE

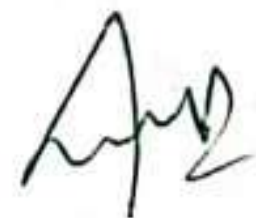
This is to certify that, this dissertation work entitled "A PROSPECTIVE OBSERVATIONAL EPIDEMIOLOGICAL STUDY ON PATIENTS PRESENTING WITH DIZZINESS TO OUT-PATIENT AND IN-PATIENT ALONG WITH ITS PRESCRIBING TREATMENT PATTERNS" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

1. SAI SHRUTI ADDALA 1704-18-882-022, Pharm. D V Year
2. ARSHIYA SULTANA 1704-18-882-002, Pharm. D V Year
3. SYEDA FATIMA BILGRAMI 1704-18-882-025, Pharm. D V Year

Under the direct supervision and guidance of **Dr. A. Sujala**, Assistant Professor, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Peri Vikram Kishore Reddy**, Consultant Neurologist, Medicover Hospitals, Hi-Tech City, is a bonafide record of original research work carried out during the academic year 2022-2023.

  
**Dr. Venu Talla**, M. Pharm., Ph.D.  
Professor & Head  
Department of Pharm. D



  
**Dr. T. Saritha Jyostna**, M. Pharm., Ph.D.  
Professor & Principal  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

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f.: SNVPMV/

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Under my direct supervision and guidance of **Dr. A. Sujala**, Assistant Professor, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Peri Vikram Kishore Reddy**, Consultant Neurologist, Medicover Hospitals, Hi-Tech City, isa bonafide record of original research work carried out during the academic year 2022-2023.

ACADEMIC GUIDE

**Dr. A. Sujala**, Pharm. D  
Assistant Professor  
Department of Pharm. D

Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone : 040-27002221, Mobile : 92480 77972

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## MEDICOVER HOSPITALS

A UNIT OF SAHRUDAYA HEALTHCARE PVT. LTD.

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

### CERTIFICATE

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CLINICAL GUIDE

Date: **Dr. PERI VIKRAM KISHORE REDDY**  
06-09-2023 NEUROLOGY

Place: Consultant neurologist  
NB Pediatric DNB Neuro  
Reg No TSMC6704

**Dr. Peri Vikram Kishore Reddy**, MBBS  
DNB (Pediatric), DNB (Neurology),  
Consultant Neurologist,  
Medicovert Hospitals, Hitech City, Hyderabad

# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Dr. Anabheri Nava Mohan Rao

H/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated: 25<sup>th</sup> March 2023

Dear Pharm.D Students,  
Dr. Arrojini Naidu Vanita Pharmacy Maha Vidyalaya  
Banarjaneswara, Hyderabad  
Telangana, India.

**RE: A PROSPECTIVE OBSERVATIONAL EPIDEMIOLOGICAL STUDY ON PATIENTS PRESENTING WITH DIZZINESS TO OUT-PATIENT AND INPATIENT ALONG WITH ITS PRESCRIBING TREATMENT PATTERNS .**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

Sr.No	Documents
1.	A prospective observational epidemiological study on patients presenting with dizziness to out-patient and inpatient along with its prescribing treatment patterns .
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students:**

1. SAI SHRUTI ADDALA

(REG.NO.1704-18-882-022)

2. ARSHIYA SULTANA

(REG.NO.1704-18-882-002)

3. SYEDA FATIMA BILGRAMI

(REG.NO.1704-18-882-025)



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# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

A meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 00 PM and following members were present as a part of the quorum during the review of your study document.

MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFILIATION
Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
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Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*

Dr. Nandana Jasti

Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081.  
T:+91 40 6833 4455



## SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

NBA Accredited for B. Pharmacy course



### DECLARATION

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**SAI SHRUTI ADDALA**

1704-18-882-022, Pharm. D V Year

**ARSHIYA SULTANA**

1704-18-882-002, Pharm. D V Year

**SYEDA FATIMA BILGRAMI**

1704-18-882-025, Pharm. D V Year

Date: 06-09-2023

Place: Hyderabad



**DISSERTATION ON**  
**A RETROSPECTIVE & PROSPECTIVE OBSERVATIONAL STUDY ON CARDIAC  
DYSFUNCTION BY ANTI- CANCER DRUGS (CHEMOTHERAPY &  
IMMUNOTHERAPY)**

**Thesis Submitted to**  
**OSMANIA UNIVERSITY**



*For partial fulfilment for the award of the degree of*  
**DOCTOR OF PHARMACY (PHARM. D)**  
**By**

<b>GOUDA SPANDANA</b>	<b>1704-18-882-008</b>
<b>K. CHIDHVI</b>	<b>1704-18-882-010</b>
<b>SARAH ELIZA</b>	<b>1704-18-882-023</b>
<b>K.V.K.M.L SUGADRI</b>	<b>1704-17-882-011</b>

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Ms. S. DIVYA, M. PHARM.**

**Assistant Professor & Department of Pharmacy Practice, SNVPMV**

**CLINICAL GUIDE**

**Dr. SAADVIK RAGHURAM Y, MD (Gold Medalist), DM(AIMS), ECMO, PDCR**

**Sr. Consultant Medical & Hemato-Oncology**

**Medicover Hospitals, Hi-Tech City, Hyderabad**



**DEPARTMENT OF PHARM. D**  
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
*Sponsored by Exhibition Society, Tarnaka, Hyderabad*  
**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date : 06/09/2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "A RETROSPECTIVE & PROSPECTIVE OBSERVATIONAL STUDY ON CARDIAC DYSFUNCTION BY ANTI-CANCER DRUGS" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

- |                      |                                  |
|----------------------|----------------------------------|
| 1. GOUDA SPANDANA    | 1704-18-882-008, Pharm. D V Year |
| 2. K. CHIDHVI        | 1704-18-882-010, Pharm. D V Year |
| 3. SARAH ELIZA       | 1704-18-882-023, Pharm. D V Year |
| 4. K.V.K.M.L SUGADRI | 1704-17-882-011, Pharm. D V Year |

Under the direct supervision and guidance of S. DIVYA, Assistant Professor, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of Dr. SAADVIK RAGHURAM Y, Sr. Consultant Medical & Hemato Oncology, Medicovert hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

Dr. Venu Talla, M Pharm. Ph. D

Professor & Head, Department of Pharm. D



Dr. Saritha Jyostna, M.Pharm., Ph.D

Professor & Principal

**PRINCIPAL**  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ACADEMIC GUIDE

Ms. S. DIVYA, M. Pharm

Assistant Professor, SNVPMV

Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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MEDICOVER HOSPITALS



A UNIT OF SAHRUDAYA HEALTHCARE PVT. LTD.

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

**CERTIFICATE**

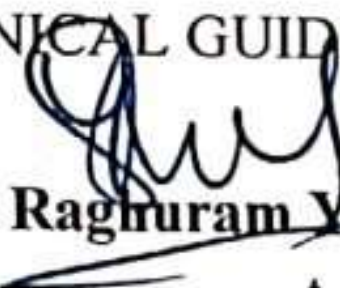
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Under the direct supervision and guidance of **S. Divya**, Assistant Professor, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Saadvik Raghuram Y, Sr.** Consultant Medical & Hemato Oncology, Medcover Hospitals, Hi-Tech City, is a record of bonafide original research work carried out during the academic year 2022-2023.

CLINICAL GUIDE

Date: 04/09/2023  
Dr. Saadvik R.Y. (DM)  
MBBS, MD (Gold Medalist), DM (AIMS), PDCR  
Consultant Medical & Hemato-Oncology  
Place: Hyderabad Regd No. 16314

  
Dr. Saadvik Raghuram Y, MD, DM  
Sr. Consultant Medical & Hemato Oncology  
Medicover Hospitals, Hi-Tech City

Institutional Ethic Committee  
Medicover Hospitals



**MEDICOVER**  
HOSPITALS

A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> March 2023

To  
The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

RE: A retrospective & prospective observational study on cardiac dysfunction by anti- cancer drugs.

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

Sr.No	Documents
1.	A retrospective & prospective observational study on cardiac dysfunction by anti- cancer drugs.
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students:**

1. Gouda Spandana
2. K. Chidhvi
3. Sarah Eliza
4. K.V.K.M.L.Sugadri

(REG.NO.1704-18-882-008)  
(REG.NO.1704-18-882-010)  
(REG.NO.1704-18-882-023)  
(REG.NO.1704-17-882-011)

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 04:00 PM and following members were present as a part of the quorum during the review of your study document.



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081  
T:+91 40 6833 4455

# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFILIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson.	Legal Expert /Advocate	BA. L&M	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVI. (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*  
Dr.Nandana Jasti  
Member Secretary



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081  
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(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

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**DECLARATION**

We hereby declare that, the research work embodied in this dissertation entitled “A **RETROSPECTIVE & PROSPECTIVE OBSERVATIONAL STUDY ON CARDIAC DYSFUNCTION BY ANTI-CANCER DRUGS**” is an original research work carried out by us under the direct supervision and guidance of **S. Divya**, Assistant Professor, SNVPMV and the co-guidance of **Dr. Saadvik Raghuram Y**, Sr. Consultant Medical & Hemato Oncology, Medicover Hospitals, Hi-Tech City, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree of Diploma to this or any other University or Institution.

1. **GOUDA SPANDANA**

1704-18-882-008, Pharm. D V Year *G. Spandana*

2. **K. CHIDHVI**

1704-18-882-010, Pharm. D V Year *K. Chidhvi*

3. **SARAH ELIZA**

1704-18-882-023, Pharm. D V Year *S. Eliza*

4. **K.V.K.M.L SUGADRI**

1704-17-882-011, Pharm. D V Year *K.V.K.M.L Sugadri*

Date: *06/09/2023*

Place: Hyderabad

DISSERTATION ON

**EVALUATION OF THE IMPACT OF GUIDELINE DIRECTED  
MEDICAL THERAPY (GDMT) AMONG THE HEART FAILURE  
PATIENTS – A PROSPECTIVE OBSERVATIONAL STUDY**

Thesis Submitted to

**OSMANIA UNIVERSITY**



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

By

**B. MEGHARSHINI**

**1704-18-882-003**

**KENDRE DEEPIKA**

**1704-18-882-014**

**R. NAINALIKA**

**1704-18-882-021**

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. V. SANTHOSHINI PHARM.D**  
Assistant professor, SNVPMV

**CLINICAL GUIDE**

**Dr. NITHIN ANNARAPU**  
MBBS, DM cardiology, MD General medicine  
Senior Interventional Cardiologist  
Medicover Hospital, Hi-Tech city, Hyderabad



**DEPARTMENT OF PHARM. D**  
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
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f.: SNVPMV/

Date : 06/09/2023

## CERTIFICATE

This is to certify that, this dissertation work entitled "EVALUATION OF THE IMPACT OF GUIDELINE DIRECTED MEDICAL THERAPY (GDMT) AMONG HEART FAILURE PATIENTS – A PROSPECTIVE OBSERVATIONAL STUDY" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

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Dr. Venu Talla, M. Pharm., Ph.D.

Professor & Head

Department of Pharm.D

Dr. T. Saritha Jyostna, M.Pharm, Ph.D

Professor and Principal  
PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

Place: Hyderabad



No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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Place: Hyderabad

  
ACADEMIC GUIDE

Dr. V. Santhoshini, Pharm.D

Assistant Professor

No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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## MEDICOVER HOSPITALS

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CLINICAL GUIDE

**Dr. NITHIN ANNARAPU**

MBBS, DM Cardiology, MD General medicine **MD DM**  
Senior Interventional Cardiologist  
Medicover Hospital, Hi Tech city, Hyderabad  
**Reg. No. 48057**  
**Consultant Cardiologist**

Place: Hyderabad

# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> March 2023

To

The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE: Evaluation of impact of guideline directed medical therapy (gdmt) among heart failure patients - a prospective observational study.**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

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1.	Evaluation of impact of guideline directed medical therapy (gdmt) among heart failure patients - a prospective observational study
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**Above mention Protocol is Approved for below mentioned Students.**

- |                   |                          |
|-------------------|--------------------------|
| 1. B. MEGHARSHINI | (REG.NO.1704-18-882-003) |
| 2. DEEPIKA KENDRE | (REG.NO.1704-18-882-014) |
| 3. R. NAINALIKA   | (REG.NO.1704-18-882-021) |

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 04:00 PM and following members were present as a part of the quorum during the review of your study document.



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# Institutional Ethic Committee Medicover Hospitals



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2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
5	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

  
Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



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T:+91 40 6833 4455

# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

NBA Accredited for B. Pharmacy course



## DECLARATION

We hereby declare that, the research work embodied in this dissertation entitled **“EVALUATION OF THE IMPACT OF GUIDELINE DIRECTED MEDICAL THERAPY (GDMT) AMONG HEART FAILURE PATIENTS– A PROSPECTIVE OBSERVATIONAL STUDY”** is an original research work carried out by us under the direct supervision and guidance of **Dr. V. Santhoshini**, Assistant Professor, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Nithin Annarapu**, Medicover Hospital, Hi-Tech City, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other Degree of Diploma to this or any other University or Institution.

**B. MEGHARSHINI**

1704-18-882-003, Pharm.D V Year

*Megharshini*

**KENDRE DEEPIKA**

1704-18-882-014, Pharm.D V Year

*K. Deepika*

**R. NAINALIKA**

1704-18-882-021, Pharm.D V Year

*Nainalika*

Date: 06/09/2023

Place: Hyderabad



**DISSERTATION ON  
COMPARATIVE EVALUATION OF CLINICAL OUTCOMES OF  
DEXMEDETOMIDINE VERSUS WITHOUT DEXMEDETOMIDINE IN SURGICAL  
FIELD OF OTORHINOLARYNGOLOGY: A PROSPECTIVE STUDY.**

**Thesis Submitted to  
OSMANIA UNIVERSITY**



*For partial fulfillment for the award of the degree of  
DOCTOR OF PHARMACY (Pharm. D)*

**By**

**KANDULA SOWMYA SRI**

**1704-18-882-013**

**NAJIYA FATIMA**

**1704-18-882-017**

**VANGA BHARGAVI**

**1704-18-882-026**

**Pharm. D V (2022-2023)**

**ACADEMIC GUIDE**

**Dr. K. MAHALAKSHMI Pharm.D.**

**Assistant Professor, Department of Pharm. D, SNVPMV.**

**CLINICAL GUIDE**

**Dr. SAMPURNA GHOSH MBBS, MS (ENT)**

**Consultant ENT & Head Neck Surgeon,**

**Medicover Hospitals, Hyderabad.**



**DEPARTMENT OF PHARM. D**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

*Sponsored by Exhibition Society, Tarnaka, Hyderabad*

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that, this dissertation work entitled "COMPARATIVE EVALUATION OF CLINICAL OUTCOMES OF DEXMEDETOMIDINE VERSUS WITHOUT DEXMEDETOMIDINE IN SURGICAL FIELD OF OTORHINOLARYNGOLOGY: A PROSPECTIVE STUDY" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

1. **Kandula Sowmya Sri** 1704-18-882-013, Pharm. D V year
2. **Najiya Fatima** 1704-18-882-017, Pharm. D V year
3. **Vanga Bhargavi** 1704-18-882-026, Pharm. D V year

Under the direct supervision and guidance of **Dr. K. Mahalakshmi**, Assistant Professor, Department of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and the co-guidance of **Dr. Sampurna Ghosh**, Consultant ENT & Head Neck Surgeon, Medicover Hospitals, Madhapur, is bonafide record of original research work carried out during the academic year 2022-2023.

**Dr. Venu Talla**, M pharm., Ph.D  
Professor & Head of department  
Department of Pharm.D



**Dr. T. Saritha Jyotsna**, M. Pharm, PhD.

Principal & Professor  
**PRINCIPAL**  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.

Place: Hyderabad

No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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Under my guidance and the co-guidance of **Dr. Sampurna Ghosh**, Consultant ENT & Head Neck Surgeon, Medicover Hospitals, Madhapur, is bonafide record of original research work carried out during the academic year 2022-2023.

Academic Guide

**Dr. K. Mahalakshmi**, Pharm.D.

Assistant Professor, Department of Pharm. D.

Date: 6-09-2023

Place: Hyderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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**A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.**

Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech city, Hyderabad, Telangana - 500081.

**CERTIFICATE**

This is to certify that, this dissertation work entitled “**COMPARATIVE EVALUATION OF CLINICAL OUTCOMES OF DEXMEDETOMIDINE VERSUS WITHOUT DEXMEDETOMIDINE IN SURGICAL FIELD OF OTORHINOLARYNGOLOGY: A PROSPECTIVE STUDY**” being submitted to **Osmania University, Hyderabad**, in partial fulfillment of requirements for the award of Degree of **DOCTOR OF PHARMACY**, has been successfully carried out by:

- |                              |  |
|------------------------------|--|
| 1. <b>Kandula Sowmya Sri</b> | <b>1704-18-882-013 (Pharm. D V year)</b> |
| 2. <b>Najiya Fatima</b>      | <b>1704-18-882-017 (Pharm. D V year)</b> |
| 3. <b>Vanga Bhargavi</b>     | <b>1704-18-882-026 (Pharm. D V year)</b> |

Under the direct supervision and guidance of **Dr. K. Mahalakshmi**, Assistant Professor of Pharm. D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and under my co-guidance, is a record of bonafide original research work carried out during the academic year 2022-2023. During this project, the students were found to be regular, and their performance was satisfactory.

Date: 06/9/2023

Place: Hyderabad

*Sampurna Ghosh*

Clinical Guide

**Dr. Sampurna Ghosh, MBBS, MS (ENT)**

Consultant ENT & Head Neck Surgeon

Medicovert Hospitals, Madhapur

***Dr. Sampurna Ghosh***

**M.B.B.S, MS**

Consultant ENT & Head Neck Surgeon

Regn. No. 65950



# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT.LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:25<sup>th</sup> March 2023

To

The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE: COMPARATIVE EVALUATION OF THE CLINICAL OUTCOMES OF DEXMEDETOMIDINE VERSUS WITHOUT DEXMEDETOMIDINE IN SURGICAL FIELD OF OTORHINOLARYNGOLOGY: A PROSPECTIVE STUDY.**

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> March 2023.

Sr.No	Documents
1.	Comparative evaluation of the clinical outcomes of dexmedetomidine versus without dexmedetomidine in surgical field of otorhinolaryngology: a prospective study.
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students.**

1. KANDULA SOWMYA SRI
2. NAJIYA FATIMA
3. VANGA BHARGAVI

(REG.NO.1704-18-882-013)

(REG.NO.1704-18-882-017)

(REG.NO.1704-18-882-026)



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# Institutional Ethic Committee Medicover Hospitals



**MEDICOVER**  
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A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 25<sup>th</sup> March 2023 at 04:00 PM and following members were present as a part of the quorum during the review of your study document.

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFLIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J. Nandana*

Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081.  
T:+91 40 6833 4455




**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**

(Sponsored by Exhibition Society, Tarnaka, Hyderabad) Affiliated to Osmania University,  
Hyderabad, Approved by AICTE and PCI, NBA Accredited for B. Pharmacy course



**DECLARATION**

We hereby declare that, this research work embodied in this dissertation entitled **“COMPARATIVE EVALUATION OF CLINICAL OUTCOMES OF DEXMEDETOMIDINE VERSUS WITHOUT DEXMEDETOMIDINE IN SURGICAL FIELD OF OTORHINOLARYNGOLOGY: A PROSPECTIVE STUDY”** is an original research work carried out by us under the direct supervision and guidance of **Dr. K. Mahalakshmi**, Assistant Professor of the Department of Pharm. D and the co-guidance of **Dr. Sampurna Ghosh**, Consultant ENT & Head Neck surgeon, Medicover Hospitals, Madhapur, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other degree of diploma to this or any other University or Institution.

1. **Kandula Sowmya Sri (1704- 18- 882- 013)** 
2. **Najiya Fatima (1704- 18- 882- 017)** 
3. **Vanga Bhargavi (1704- 18- 882- 026)** 

Date: 06/9/2023

Place: Hyderabad

**DISSERTATION ON**  
**FUNCTIONAL OUTCOMES OF UNDENATURED TYPE II COLLAGEN**  
**V/S GLUCOSAMINE SUPPLEMENTS IN THE MANAGEMENT OF**  
**MILD TO MODERATE KNEE OSTEOARTHRITIS- A PROSPECTIVE,**  
**RANDOMISED STUDY**

**Thesis Submitted to**  
**OSMANIA UNIVERSITY**



*For partial fulfilment for the award of the degree of*

**DOCTOR OF PHARMACY (PHARM. D)**

**By**

<b>ANUMAKONDA RISHIKA</b>	<b>1704-18-882-001</b>
<b>CAROL BIJU PHILIPS</b>	<b>1704-18-882-006</b>
<b>MASEERAH SIDDIQUA</b>	<b>1704-18-882-016</b>

**PHARM. D V YEAR (2022-2023)**

**ACADEMIC GUIDE**

**Dr. K JITHENDER, PHARM. D**  
Assistant Professor, SNVPMV

**CLINICAL GUIDE**

**Dr. CHANDRA SEKHAR DANNANA**  
MBBS, MS (Ortho), MRCSEd, FRCS( Tr & Ortho)  
Sr. Consultant Orthopedic Surgeon  
Medicover Hospitals, Hi-Tech City, Hyderabad



**DEPARTMENT OF PHARM. D**  
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA**  
*Sponsored by Exhibition Society, Tarnaka, Secunderabad, Telangana, India*  
**Approved by PCI, AICTE & Affiliated to OSMANIA UNIVERSITY**



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by The Exhibition Society), Tarnaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001 : 2015 Certified Institution

NBA Accredited B. Pharmacy Course

Ref.: SNVPMV/

Date:

## CERTIFICATE

This is to certify that, this dissertation work entitled "FUNCTIONAL OUTCOMES OF UNDENATURED TYPE II COLLAGEN V/S GLUCOSAMINE SUPPLEMENTS IN THE MANAGEMENT OF MILD TO MODERATE KNEE OSTEOARTHRITIS- A PROSPECTIVE, RANDOMISED STUDY" being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

1. ANUMAKONDA RISHIKA 1704-18-882-001, Pharm. D V year
2. CAROL BIJU PHILIPS 1704-18-882-006, Pharm. D V year
3. MASEERAH SIDDIQUA 1704-18-882-016, Pharm. D V year

Under the direct supervision and guidance of **Dr. K. Jithender**, Assistant Professor, Department of Pharm D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and under the co-guidance of **Dr. Chandra Sekhar Dannana Sr.** Consultant Orthopedic Surgeon, Medicover Hospitals, Madhapur, is a bonafide record of original research work carried out during the academic year 2022-2023.

**Dr. Venu Talla**, M. Pharm., Ph. D  
Professor & Head  
Department of Pharm. D

**Dr. T. Saritha Jyotsna**, M. Pharm., Ph. D  
Professor & Principal  
**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka,  
Secunderabad-500 017.



H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.  
Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972  
e-mail: principal@snvpharmacycollege.com www.snvpharmacycollege.com



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Date:

## CERTIFICATE

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- |                       |                                  |
|-----------------------|----------------------------------|
| 1. ANUMAKONDA RISHIKA | 1704-18-882-001, Pharm. D V year |
| 2. CAROL BIJU PHILIPS | 1704-18-882-006, Pharm. D V year |
| 3. MASEERAH SIDDIQUA  | 1704-18-882-016, Pharm. D V year |

Under my direct supervision, and guidance, and the co-guidance of Dr. Chandra Sekhar Dannana, Sr. Consultant Orthopedic Surgeon, Medicovert Hospitals, Madhapur, is a bonafide record of original research work carried out during the academic year 2022-2023.

  
ACADEMIC GUIDE

Date: 06/09/23  
Place: Hyderabad.

Dr. K. Jithender, Pharm. D  
Assistant Professor

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.  
Phone: 040-27002221, Fax: 040-27002220, Mobile: 92480 77972  
e-mail: principal@snpvpharmacycollege.com www.snpvpharmacycollege.com



# MEDICOVER HOSPITALS



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Behind Cyber Towers, IBIS Hotels Lane, Hi-Tech City, Hyderabad, Telangana – 500081

## CERTIFICATE

This is to certify that, this dissertation work entitled “FUNCTIONAL OUTCOMES OF UNDENATURED TYPE II COLLAGEN V/S GLUCOSAMINE SUPPLEMENTS IN THE MANAGEMENT OF MILD TO MODERATE KNEE OSTEOARTHRITIS- A PROSPECTIVE, RANDOMISED STUDY” being submitted to Osmania University, Hyderabad, in partial fulfillment of requirements for the award of Degree of DOCTOR OF PHARMACY, has been successfully carried out by:

- |                       |                                   |
|-----------------------|-----------------------------------|
| 1. ANUMAKONDA RISHIKA | 1704-18-882-001 (Pharm. D V year) |
| 2. CAROL BIJU PHILIPS | 1704-18-882-006 (Pharm. D V year) |
| 3. MASEERAH SIDDIQUA  | 1704-18-882-016 (Pharm. D V year) |

Under the direct supervision and guidance of **Dr. K. Jithender**, Assistant Professor, Department of Pharm D, Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, and under the co-guidance of **Dr. Chandra Sekhar Dannana**, is a record of bonafide original research work carried out during the academic year 2022-2023. During this project, the students were found to be regular and their performance was satisfactory.

  
CLINICAL GUIDE  


Date: 06/09/2023  
Place: Hyderabad

**Dr. Chandra Sekhar Dannana**  
MBBS, MS (Ortho.), MRCSEd, FRCS (Tr & Ortho)  
Sr. Consultant Orthopedic Surgeon,  
Medicover Hospitals, Madhapur, Hyderabad

# Institutional Ethic Committee Medicover Hospitals



A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

## Institutional Ethics Committee Medicover Hospitals

Chairman

Sri.Anabheri Nava mohan Rao

MH/2023/IEC

Member Secretary

Dr. Nandana Jasti

Dated:29<sup>th</sup> April 2023

To  
The Pharm.D Students,  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Tarnaka, Hyderabad  
Telangana,India.

**RE:** Functional outcomes of undenatured type 2 collagen v/s glucosamine and chondroitin supplements in the management of mild to moderate knee osteoarthritis- a prospective, randomised study.

**Subject: Ethics Committee Approval for the Submitted Documents for the above referenced study**

Dear Pharm.D Students,

We are pleased to inform that the committee has reviewed and approved the below documents for the above reference study submitted by you through your letter dated 10<sup>th</sup> April 2023.

Sr.No	Documents
1.	Functional outcomes of undenatured type 2 collagen v/s glucosamine and chondroitin supplements in the management of mild to moderate knee osteoarthritis- a prospective, randomised study .
2.	Patient Inform Consent Form
3.	Patient Information Sheet
4.	Case Record Form

**Above mention Protocol is Approved for below mentioned Students.**

- |                       |                          |
|-----------------------|--------------------------|
| 1. Anumakonda Rishika | (REG.NO.1704-18-882-001) |
| 2. Carol Biju Philips | (REG.NO.1704-18-882-006) |
| 3. Maseerah Siddiqua  | (REG.NO.1704-18-882-016) |

The meeting was conducted through web based Meeting, Medicover Hospitals, Madhapur on 29<sup>th</sup> April 2023 at 03:00 PM and following members were present as a part of the quorum during the review of your study document.



Opp. Cyber Gateway, IBIS Hotel, Hitec City, Hyderabad, Telangana- 500081.  
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# Institutional Ethic Committee Medicover Hospitals



**MEDICOVER  
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A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

Sl. No	MEMBERS' NAME	GENDER	DESIGNATION	POSITION (ROLE IN THE COMMITTEE)	QUALIFICATION	AFFILIATION
1	Sri.Anabheri Nava mohan Rao	Male	Chairperson,	Legal Expert /Advocate	BA, LLM	Independent Legal Expert
2	Dr.Nandana Jasti	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant, Medicover Hospitals
3	Sri.V.Balram	Male	Member	Legal Expert /Advocate	MA,LLB	Independent Legal Expert
4	Dr. Souris Kondaveti	Female	Member	Basic Medical Scientist	MD (Pharmacology)	Assistant professor at Osmania medical college, Hyderabad, India
5	Dr.B.Maheswar	Male	Member Secretary	Clinician	MD(General Medicine)	Senior Consultant,
6	Dr B. VijayaSree	Female	Member	Clinician	MD,DVL (Dermatology)	Consultant, Medicover Hospitals.
7	Mr.A.Madhusudhan Reddy	Male	Member	Social Scientist	PG(MSW)	Hrudaya Spandana foundation
8	Mrs.Padmaja .B	Female	Member	Lay Person	Intermediate	House-wife

Further, you are expected to conduct the study in the presented form following all the laid down laws and guidelines of institutional local and international importance.

Thanking you,

*J.Nandana*

Dr.Nandana Jasti  
Member Secretary

Member Secretary  
Institutional Ethics Committee  
Medicover Hospitals



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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by Exhibition Society, Tarnaka, Hyderabad)

Affiliated to Osmania University, Hyderabad, Approved by AICTE and PCI,

NBA Accredited for B. Pharmacy course



## DECLARATION

We hereby declare that, the research work embodied in this dissertation entitled "FUNCTIONAL OUTCOMES OF UNDENATURED TYPE II COLLAGEN V/S GLUCOSAMINE SUPPLEMENTS IN THE MANGEMENT OF MILD TO MODERATE KNEE OSTEOARTHRITIS- A PROSPECTIVE, RANDOMISED STUDY" is an original research work carried out by us, under the direct supervision and guidance of **Dr.K.JITHENDER** .Assistant Professor, SNVPMV and the co-guidance of **Dr. CHANDRA SEKHAR DANNANASr.** Consultant Orthopedic Surgeon, Medicover Hospitals, Madhapur, for the award of the degree of **DOCTOR OF PHARMACY**. This work is original and has not been submitted in part or full, for other degree of diploma to this or any other University or Institution.

ANUMAKONDA RISHIKA (1704-18-882-001), Pharm. D V year

CAROL BIJU PHILIPS (1704-18-882-006), Pharm. D V year

MASEERAH SIDDIQUA (1704-18-882-016), Pharm. D V year

Date: 06/09/2023

Place: Hyderabad

**SYNTHESIS, PURIFICATION, CHARACTERIZATION & SEQUENCING  
STUDIES BY LC-Q-TOF-MS/MS OF LINEAR SYNTHETIC PEPTIDE.**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD  
OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
PHARMACEUTICAL QUALITY ASSURANCE  
BY**

**HRITHIKA J.C**

**B. Pharm**

**REGISTRATION No: 1704-21-868-001**

**Under the guidance of**

**Internal Guide**

**Dr. T. MAMATHA**

**M. Pharm., Ph. D**

**Professor, Department of Pharmaceutical Quality Assurance,**

**External guide**

**Dr. RAJESH SONTI**

**M Sc., Ph. D**

**Professor, Department of Pharmaceutical Analysis,  
NIPER, Hyderabad**



**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA, INDIA**

**DECEMBER 2023**



## **DECLARATION**

I hereby declare that the project work entitled “**Synthesis, purification, characterization & sequencing studies by LC-Q-TOF-MS/MS of linear synthetic peptide**” is based on the original work carried out by me under the supervision of **Dr. T. Mamatha (Internal Guide)** Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad and **Dr. Rajesh Sonti (External Guide)** Professor, Department of Pharmaceutical Analysis at NIPER, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*HRITHIKA*

**HRITHIKA J.C**

**REGISTRATION No: 1704-21-868-001**

Date: 20/12/2023

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date : 20/12/2023

## CERTIFICATE

The project work entitled "Synthesis, purification, characterization & sequencing studies by LC-Q-tof-MS/MS of linear synthetic peptide." is a bonafide work carried out by Ms. Hrithika J.C bearing Regn. No. 1704-21-868-001 under our supervision at NIPER, Hyderabad and Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Department of Pharmaceutical Quality Assurance. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of External Supervisor

Dr. Rajesh Sonti  
M Sc., Ph. D

21/12/2023  
Dr. Rajesh Sonti  
PHD, DAS (ECPM),  
Assistant Professor,  
Pharmaceutical Analysis,  
NIPER Hyderabad.

Signature of Institutional supervisor

20/12/2023  
Dr T. Mamatha  
M Pharm., Ph. D

Date: 20/12/2023

Place: Secunderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

Phone : 040-27002221, Mobile : 92480 77972

e-mail : principal@snvpharmacycollege.com www.snvpharmacycollege.com





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution


NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date : 20/12/2023

## CERTIFICATE

This is to certify that thesis entitled "Synthesis, purification, characterization & sequencing studies by LC-Q-tof-MS/MS of linear synthetic peptide." is a bonafide work carried out by Ms. HRITHIKA JC bearing Regn. No. 1704-21-868-001 under the supervision of Dr. T. Mamatha (Internal Guide) Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad and Dr. Rajesh Sonti (External Guide) Professor, Department of Pharmaceutical Analysis at NIPER, Hyderabad, for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Quality Assurance. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
20/12/2023

**Dr. T. Mamatha**  
M. Pharm., Ph. D  
Professor & Head,  
Department of Pharmaceutical Quality  
Assurance



**Dr. T. Saritha Jyostna**  
M. Pharm., Ph. D  
Principal

**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

Date: 20/12/2023

Place: Secunderabad



External Examiner



H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.  
Phone : 040-27002221, Mobile : 92480 77972  
e-mail : principal@snvpharmacycollege.com www.snvpharmacycollege.com



नाईपर हैदराबाद  
NIPER HYDERABAD

राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान  
औषधीय शिक्षण, स्थापन एवं उन्नत संशोधन, भारत सरकार  
National Institute Of Pharmaceutical  
Education And Research  
Department of Pharmaceutical, Ministry of Chemicals & Fertilizers, Govt. of India

DATE: 20/9/2023

### TO WHOMSOEVER IT MAY CONCERN

This letter certifies that Ms. Hrithika J C, a student of M Pharmacy, at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tamaka, has successfully completed her internship at the National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad from 20 March 2023 to 20 September 2023. Throughout her internship, she gained hands-on experience of using analytical instruments such as analytical and semi-preparative HPLC-PDA, LC-MS, and automated peptide synthesizer in the Department of Pharmaceutical Analysis.

Ms Hrithika proved herself to be highly dedicated and observant in the lab. She displayed a strong interest in learning the techniques and instruments used in our department, showing her willingness to invest her best efforts in acquiring a comprehensive understanding of the subject matter. I wish Ms. Hrithika J C success in her future endeavors.

Dr. Rajesh Sonti

Assistant professor

Pharmaceutical Analysis

NIPER-Hyderabad.



**NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**

Balaroger, Hyderabad - 500 007, Telangana, INDIA  
Phone: 040-23273745 / 41, Telefax: 040-23273751  
Website: www.niperryd.ac.in, www.niperryd.edu.in

**FORMULATION DEVELOPMENT AND *IN VITRO* EVALUATION  
OF BUCCAL FILMS OF RABEPRAZOLE**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
PHARMACEUTICAL QUALITY ASSURANCE  
BY**

**POTTA JHANSI**

**B. Pharm**

**REGISTRATION No: 1704-21-868-002**

**Under the guidance of**

**Dr. T. MAMATHA**

**M. Pharm., Ph. D**

**Professor, Department of Pharmaceutical Quality Assurance**

**Under the Co guidance of**

**Mrs. R. PRASANTHI**

**M. Pharm., (Ph. D)**

**Assistant Professor, Department of Pharmaceutical Quality Assurance**



**DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA, INDIA**

**DECEMBER 2023**





## DECLARATION

I hereby declare that the project work entitled "**Formulation Development and *In Vitro* Evaluation of Buccal films of Rabeprazole**" is based on the original research work carried out by me under the supervision of **Dr. T. Mamatha**, Professor, Department of Pharmaceutical Quality Assurance, and under the co guidance of **Mrs. R. Prasanthi**, Assistant Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

  
**POTTA JHANSI**

Date: 20-12-2023

Place: Secunderabad

**REGISTRATION No: 1704-21-868-002**





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date : 20/12/2023

## CERTIFICATE

This is to certify that thesis entitled "Formulation Development and *In Vitro* Evaluation of Buccal films of Rabeprazole" is a bonafide work carried out by Ms. POTTA JHANSI bearing Regn. No. 1704-21-868-002 under our supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Quality Assurance. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

*R. Prasanthi*

Signature of Co-supervisor

Mrs. R. Prasanthi  
M. Pharm., (Ph. D)

*Dr. T. Mamatha*  
20/12/23

Signature of Supervisor

Dr. T. Mamatha  
M. Pharm., Ph. D

Date: 20/12/2023

Place: Secunderabad





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Dr. T. Mamatha  
M. Pharm., Ph. D  
Professor & Head,  
Department of Pharmaceutical Quality  
Assurance

Dr. T. Saritha Jyostna  
M. Pharm., Ph. D  
Principal  
**PRINCIPAL**  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

Date: 20/12/23

Place: Secunderabad

External Examiner



# FORMULATION AND *IN VITRO* EVALUATION OF ZAFIRLUKAST NASAL MICROEMULSION BY QBD

THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD



IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF

MASTER OF PHARMACY  
IN  
PHARMACEUTICAL QUALITY ASSURANCE  
BY

**NIDA TAHREEM**

**B. Pharm**

**REGISTRATION No: 1704-21-868-004**

Under the guidance of

**Dr. B. SIVA JYOTHI**

**M. Pharm., Ph. D**

**Associate Professor, Department of Pharmaceutical Quality Assurance**

Under the Co guidance of

**Mrs. R. PRASANTHI**

**M.Pharm., (Ph. D)**

**Assistant Professor, Department of Pharmaceutical Quality Assurance**



DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.

TELANGANA, INDIA

DECEMBER 2023



## DECLARATION

I hereby declare that the project work entitled “**Formulation and *In Vitro* Evaluation of Zafirlukast Nasal Microemulsion by QbD**” is based on the original research work carried out by me under the supervision of **Dr. B. Siva Jyothi**, Associate Professor, Department of Pharmaceutical Quality Assurance, and under the co guidance of **Mrs. R. Prasanthi**, Assistant Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.



**NIDA TAHREEM**

Date: 20-12-2023-

**REGISTRATION No: 1704-21-868-004**

Place: Secunderabad



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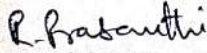
NBA Accredited B.Pharmacy Course

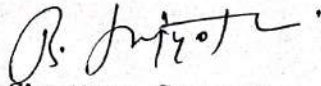
Ref.: SNVPMV/

Date : 20/12/2023

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Signature of Co-supervisor  
Mrs. R. Prasanthi  
M. Pharm., (Ph. D)

  
Signature Supervisor  
Dr. B. Siva Jyothi  
M. Pharm., Ph. D

Date:

Place: Secunderabad

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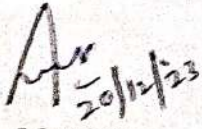
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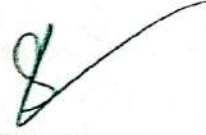
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Dr. T. Mamatha  
M. Pharm., Ph. D  
Professor & Head,  
Department of Pharmaceutical Quality Assurance

  
Dr. T. Saritha Jyostna  
M. Pharm., Ph. D  
Principal  
PRINCIPAL  
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Date: 28/12/23

Place: Secunderabad



  
External Examiner

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**QbD ASSISTED CLEANING METHOD  
DEVELOPMENT AND ITS VALIDATION  
FOR QUANTIFICATION OF CINCALCET  
API USING UV-SPECTROSCOPY AND  
RP-HPLC**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS**

**BY  
ANANTHULA SRINIJA  
B. Pharm  
REGISTRATION NO: 1704-21-885-001**

**Under the guidance of**

**R. SWETHA SRI  
M. Pharm, (Ph.D)  
Assistant Professor, Department of Pharmaceutical Analysis**

*C. Narayana*  
30/12/23



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
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TARNAKA, SECUNDERABAD-500017.  
TELANGANA-INDIA  
DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "QbD ASSISTED CLEANING METHOD DEVELOPMENT AND ITS VALIDATION FOR QUANTIFICATION OF CINCALCET API USING UV-SPECTROSCOPY AND RP-HPLC" is based on the original research work carried out by me under the supervision of **R.swetha sri**, Assistant Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy MahaVidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*A. Srinija*  
ANANTHULA SRINIJA

Date: 20/12/23

REGISTRATIONNO:1704-21-885-001

Place: Secunderabad



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "QbD ASSISTED CLEANING METHOD DEVELOPMENT AND ITS VALIDATION FOR QUANTIFICATION OF CINCALCET API USING UV-SPECTROSCOPY AND RP-HPLC" is a bonafide work carried out by Ms. SRINIJA ANANTHULA bearing Regn. No. 1704-21-885-001 under my supervision at Sarojini Naidu Vanita Pharmacy MahaVidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor

R.Swetha sri  
Assistant Professor

Date: 20/12/23

Place: Secunderabad

---

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Dr.P.VivekSagar  
M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutical Analysis

Date: 30/12/23

Place: Secunderabad



Prof.T.SarithaJyotsna  
M. Pharm. Ph. D  
Principal

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.



External Examiner

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Phone : 040-27002221, Mobile : 92480 77972

e-mail : principal@snvpharmacycollege.com www.snvpharmacycollege.com

**THE DEVELOPMENT AND VALIDATION OF AN ANALYTICAL  
METHOD FOR THE SIMULTANEOUS ESTIMATION OF  
DAPAGLIFLOZIN AND VILDAGLIPTIN IN BULK AND COMBINED  
DOSAGE FORM BY UV AND RP-HPLC**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS  
BY**

**BILAKANTI SOWMYA  
B. Pharm**

**REGISTRATION NO: 1704-21-885-002**

**Under the guidance of**

**Dr. K. NEELIMA**

**M.Pharm, Ph. D**

**Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHAVIDYALAYA,  
TARNAKA, SECUNDERABAD-500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**

## **DECLARATION**

I hereby declare that the project work entitled "The Development and Validation of an Analytical method for the Simultaneous Estimation of Dapagliflozin and Vildagliptin in bulk and combined dosage form by uv and RP-HPLC" is based on the original research work carried out by me under the supervision of Dr. K. NEELIMA, Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

B. Sowmya  
BILAKANTI SOWMYA

Date: 20-12-23

REGISTRATIONNO: 1704-21-885-002

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

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*Neelima.k*  
Signature of supervisor

Dr. K. NEELIMA  
Professor

Date: 20-12-23

Place: Secunderabad

H.No. 12-5-31 & 32, Vijayapuri Colony, Tarnaka, Secunderabad - 500 017. Telangana, INDIA.

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Dr.P. Vivek Sagar  
M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutical Analysis

Date: 20-12-23

Place: Secunderabad



Prof. T. Saritha Jyotsna  
M. Pharm. Ph. D  
Principal  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

  
External Examiner

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Phone : 040-27002221, Mobile : 92480 77972  
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**STABILITY INDICATING RP-HPLC METHOD DEVELOPMENT AND  
VALIDATION FOR QUANTIFICATION OF ESOMEPRAZOLE-  
LOADED MICROSPHERES**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICAL ANALYSIS**

**BY  
CH.RENU**

**B. Pharm**

**REGISTRATION NO: 1704-21-885-003**

**Under the guidance of**

**R.SWETHA SRI**

**PGDCAQM, M.Pharm, (Ph. D)**

**Assistant Professor,**

**Department of Pharmaceutical Quality Assurance**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "Stability indicating RP-HPLC method development and validation for quantification of Esomeprazole-loaded Microspheres" is based on the original research work carried out by me under the supervision of Mrs.R.Swetha sri, Assistant Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Ch. Renu*  
CH.RENU

Date: 20/12/23

REGISTRATION NO: 1704-21-885-003

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

College for Women (Sponsored by the Exhibition Society, Tarnaka, Secunderabad)

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ISO : 9001:2015 Certified Institution

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Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled “Stability indicating RP-HPLC method development and validation for quantification of Esomeprazole-loaded Microspheres” is a bonafide work carried out by Ms. CH.RENU bearing Regn. No. 1704-21-885-003 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of “MASTER OF PHARMACY” in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of supervisor

Mrs.R.Swetha sri,  
Assistant Professor,  
Department of Pharmaceutical  
Quality Assurance

Date: 20/12/2023

Place: Secunderabad

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Dr.P.Vivek sagar

M.Pharm, Ph. D

Professor & Head,

Department of Pharmaceutical Analysis

Prof. T. Saritha Jyotsna

M. Pharm. Ph. D

Principal PRINCIPAL

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Secunderabad-500 017.

Date:

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**ESTIMATION OF A NEW GABAPENTIN DERIVATIVE IN CAPSULE  
DOSAGE FORM BY NEW VALIDATED UV  
SPECTROPHOTOMETRIC AND RP- HPLC METHODS**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS**

**BY  
J. DEEPTHI AKANKSHA  
B. Pharm  
REGISTRATION NO: 1704-21-885-004**

**Under the guidance of**

**Dr. Kalam Sirisha  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**

### DECLARATION

I hereby declare that the project work entitled "Estimation of a new Gabapentin derivative in capsule dosage form by new validated UV Spectrophotometric and RP-HPLC methods" is based on the original research work carried out by me under the supervision of **Dr. Kalam Sirisha**, Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

  
J.DEEPTHI AKANKSHA

Date: 21/12/2023

REGISTRATION NO: 1704-21-885-004

Place: Secunderabad



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Date : 21/12/2023

## CERTIFICATE

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Signature of supervisor

Dr.K.Sirisha  
Professor

Date: 21/12/2023

Place: Secunderabad

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "Estimation of a new Gabapentin derivative in capsule dosage form by new validated UV Spectrophotometric and RP-HPLC methods" is a bonafide work carried out by Mrs. J.DEEPTHI AKANKSHA bearing Regn. No. 1704-21-885-004 under the supervision of Dr.K.Sirisha, Professor (Pharmaceutical Analysis) at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Dr. P. Vivek Sagar  
M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutical Analysis

Prof. T. Saritha Jyotsna

M. Pharm. Ph. D.

Principal

**PRINCIPAL**

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

Date: 30/12/23

Place: Secunderabad

  
External Examiner

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**RP- HPLC AND UV SPECTROPHOTOMETRIC METHOD  
DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS  
ESTIMATION OF CHLORTHALIDONE AND AZELNIDIPINE IN  
TABLET DOSAGE FORM**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS**

**BY  
M. AKANKSHA  
B. Pharm  
REGISTRATION NO: 1704-21-885-005**

**Under the guidance of**

**Dr. P. VIVEK SAGAR  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "RP- HPLC and UV Spectrophotometric method development and validation for simultaneous estimation of Chlorthalidone and Azelnidipine in tablet dosage form" is based on the original research work carried out by me under the supervision of Dr. P. Vivek Sagar, Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*M. Akanksha*  
M.AKANKSHA

Date: 20/12/23

REGISTRATION NO: 1704-21-885-005

Place: Secunderabad



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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

f.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "RP- HPLC and UV Spectrophotometric method development and validation for Simultaneous Estimation of Chlorthalidone and Azelnidipine in Tablet Dosage form" is a bonafide work carried out by Ms. M. AKANKSHA bearing Regn. No. 1704-21-885-005 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of supervisor

Dr. P. Vivek Sagar  
Professor

Date: 20/12/23

Place: Secunderabad

---

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Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "RP- HPLC and UV Spectrophotometric method development and validation for simultaneous estimation of Chlorthalidone and Azelnidipine in tablet dosage form" is a bonafide work carried out by Ms. M. AKANKSHA bearing Regn. No. 1704-21-885-005 under the supervision of Dr. P. Vivek Sagar, Professor & HOD (Pharmaceutical Analysis) at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Dr. P. Vivek Sagar  
M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutical Analysis

Date: 20/12/23

Place: Secunderabad



Prof. T. Saritha Jyotsna  
M. Pharm. Ph. D  
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**ANALYTICAL METHOD DEVELOPMENT AND  
VALIDATION FOR THE ESTIMATION OF IMEGLIMIN IN  
BULK AND MARKETED DOSAGE FORM BY UV AND RP-  
HPLC**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICAL ANALYSIS**

**BY  
POOSA PRIYANKA  
B. Pharm  
REGISTRATION NO: 1704-21-885-006**

**Under the guidance of**

**Dr. K.NEELIMA  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR THE ESTIMATION OF IMEGLIMIN IN BULK AND MARKETED DOSAGE FORM BY UV AND RP-HPLC" is based on the original research work carried out by me under the supervision of **Dr. K. Neelima**, Associate Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*P. Priyanka*  
POOSA PRIYANKA

Date: 21-12-2023

REGISTRATION NO: 1704-21-885-006

Place: Secunderabad



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ISO : 9001:2015 Certified Institution

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Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR THE ESTIMATION OF IMEGLIMIN IN BULK AND MARKETED DOSAGE FORM BY UV AND RP-HPLC" is a bonafide work carried out by Ms. POOSA PRIYANKA bearing Regn. No. 1704-21-885-006 under the supervision of Dr. K.NEELIMA, Assoc Professor & HOD (Pharmaceutical Analysis) at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Dr. P. Vivek Sagar  
M. Pharm. Ph. D

Professor & Head,

Department of Pharmaceutical Analysis

Prof. T. Saritha Jyotsna  
M. Pharm. Ph. D

Principal  
**PRINCIPAL**

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Date: 21-12-2023

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR THE ESTIMATION OF IMEGLIMIN IN BULK AND MARKETED DOSAGE FORM BY UV AND RP-HPLC" is a bonafide work carried out by Ms. POOSA PRIYANKA bearing Regn. No. 1704-21-885-0076 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor

**Dr. K.NEELIMA**  
Assoc. Professor

Date:

Place: Secunderabad

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**RP- HPLC AND UV SPECTROPHOTOMETRIC METHOD  
DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS  
ESTIMATION OF METFORMIN, VILDAGLIPTIN AND  
REMOGLIFLOZIN IN TABLET DOSAGE FORM**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS**

**BY  
SANIA BANO  
B. Pharm  
REGISTRATION NO: 1704-21-885-007**

**Under the guidance of**

**Dr. P. VIVEK SAGAR  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**



## **DECLARATION**

I hereby declare that the project work entitled "RP- HPLC and UV Spectrophotometric method development and validation for simultaneous estimation of Metformin, Vildagliptin and Remogliflozin in tablet dosage form" is based on the original research work carried out by me under the supervision of Dr. P. Vivek Sagar, Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Sania Bano*  
SANIA BANO

Date: 20/12/23

Place: Secunderabad

REGISTRATION NO: 1704-21-885-007



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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "RP- HPLC and UV Spectrophotometric method development and validation for Simultaneous Estimation of Metformin, Vildagliptin and Remogliflozin in Tablet Dosage form" is a bonafide work carried out by Ms. SANIA BANO bearing Regn. No. 1704-21-885-007 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of supervisor

Dr. P. Vivek Sagar  
Professor

Date: 20/12/23

Place: Secunderabad

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Dr. P. Vivek Sagar  
M. Pharm. Ph. D  
Professor & Head,  
Department of Pharmaceutical Analysis

Date: 20/12/23

Place: Secunderabad

Prof. T. Saritha Jyotsna **PRINCIPAL**  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
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**NEW VALIDATED RP- HPLC METHOD FOR THE  
DETERMINATION OF A NEW PREGABALIN DERIVATIVE IN  
CAPSULE DOSAGE FORM**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICAL ANALYSIS**

**BY  
Mrs.V.Sandhya  
B. Pharm  
REGISTRATION NO: 1704-21-885-008**

**Under the guidance of**

**Dr. K. Sirisha  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutical Analysis**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled "New validated RP- HPLC method for the determination of a new Pregabalin derivative in capsule dosage form" is based on the original research work carried out by me under the supervision of Dr. K. Sirisha, Professor, Department of Pharmaceutical Analysis at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tamaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*V. Sandhya*  
Mrs.V.SANDHYA

Date: 21/12/2023

REGISTRATION NO: 1704-21-885-008

Place: Secunderabad



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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "New validated RP- HPLC method for the determination of a new Pregabalin derivative in capsule dosage form" is a bonafide work carried out by Mrs.V.SANDHYA bearing Regn. No. 1704-21-885-008 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutical Analysis. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of supervisor

Dr. K. Sirisha  
Professor

Date: 21/12/2023

Place: Secunderabad

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Date :

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Dr. P. Vivek Sagar  
M. Pharm. Ph. D  
Professor & Head,  
Department of Pharmaceutical Analysis

  
Prof. T. Saritha Jyotsna  
M. Pharm. Ph. D  
Principal  
Sarojini Naidu Vanita Pharmacy Maha Vidyalaya  
Vijayapuri Colony, S.Laiguda, Tarnaka  
Secunderabad-500 017.

Date: 21/12/2023  
Place: Secunderabad



  
External Examiner

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**DESIGN AND INVITRO CHARACTERIZATION OF NON-EFFERVESCENT FLOATING TABLETS OF CEFACLOR**

**THE DISSERTATION SUBMITTED TO**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD**

**OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**ALLADI MALAVIKA**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-001**

**Under the guidance of**

**CH.BHARGAVI**

**M. Pharm., (Ph. D)**

**Assistant Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**





## DECLARATION

I hereby declare that the project work entitled "Design and *Invitro* Characterization of Non-Effervescent Floating Tablets of Cefaclor" is based on the original research work carried out by me under the supervision of CH.Bhargavi, Assistant Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Malavika*

ALLADI MALAVIKA

Date: 20/12/23

REGISTRATION NO: 1704-21-886-001

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

ef.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "Design and *Invitro* Characterization of Non- Effervescent Floating Tablets of Cefaclor" is a bonafide work carried out by Ms. ALLADI MALAVIKA bearing Regn. No. 1704-21-886-001 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

Signature of supervisor

CH. BHARGAVI  
Assistant Professor

Date: 20/12/23

Place: Secunderabad

---

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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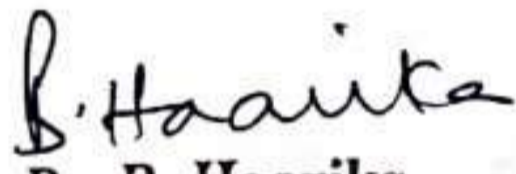
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Dr. B. Haarika

M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutics



Dr. T. Saritha Jyostna

M. Pharm. Ph. D

Principal **PRINCIPAL**

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**FORMULATION AND EVALUATION OF ESOMEPRAZOLE MAGNESIUM  
TRIHYDRATE CONTROLLED RELEASE FLOATING TABLETS**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**ATLA VISHNU PRIYA**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-002**

**Under the guidance of**

**Dr. S. ROHINI REDDY**

**M. Pharm, Ph. D**

**Associate Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
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TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled “**Formulation and Evaluation of Eesomeprazole Magnesium Trihydrate Controlled Release Floating Tablets**” is based on the original research work carried out by me under the supervision of **Dr. S. Rohini Reddy**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*d. priya*

**ATLA VISHNU PRIYA**

Date: 20 - Dec - 2023

**REGISTRATION NO: 1704-21-886-002**

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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Affiliated to Osmania University, Approved by AICTE & PCI

ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

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Signature of supervisor  
Dr. S. Rohini Reddy  
Associate Professor

Date: 20/12/2023

Place: Secunderabad

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*B. Haarika*

Dr. B. Haarika  
M. Pharm. Ph. D

Professor & Head,  
Department of Pharmaceutics

*T. Saritha Jyostna*

Dr. T. Saritha Jyostna  
M. Pharm. Ph. D

Principal **PRINCIPAL**  
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Vijayapuri Colony, S.Lalaguda, Tarnaka  
Secunderabad-500 017.

Date: 20/12/2023

Place: Secunderabad



*H. [Signature]*

External Examiner

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**FORMULATION AND EVALUATION OF ESOMEPRAZOLE  
MAGNESIUM TRIHYDRATE DELAYED RELEASE TABLETS**

THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD



IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF

**MASTER'S OF PHARMACY**

IN

**PHARMACEUTICS**

BY

**B. RENU SRI** B. Pharm

REGISTRATION NO: 1704-21-886-003

Under the Guidance of

**Dr. Ch. Shanthi Priya** M. Pharm, Ph.D.

Associate Professor, Department of Pharmaceutics



**DEPARTMENT OF PHARMACEUTICS**  
**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**  
**TARNAKA, SECUNDERABAD - 500017.**  
**TELANGANA-INDIA**  
**DECEMBER -2023**



## DECLARATION

I, hereby declare that the project work entitled "**Formulation and Evaluation of Eesomeprazole Magnesium Trihydrate Delayed Release Tablets**" is based on the original work carried out by me under the supervision of **Dr. CH. Shanthi Priya** at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. We also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

Date: 20/12/23

Place: Secunderabad



**B. RENU SRI**

**REGISTRATION NO: 1704-21-886-003**





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Ref.: SNVPMV/

Date : 20/12/23

## CERTIFICATE

This is to certify that thesis entitled "Formulation and Evaluation of Esomeprazole Magnesium Trihydrate Delayed Release Tablets" is a bonafide work carried out by Ms. BHAGYALA RENU SRI bearing Regn. No. 1704-21-886-003 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor  
Dr. CH Shanthi Priya  
Associate Professor

Date: 20/12/23

Place: Secunderabad

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f.: SNVPMV/

Date : 20/12/23

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*B. Haarika*

Dr. B. Haarika  
M. Pharm, Ph. D

Professor & Head,  
Department of Pharmaceutics

*T. Saritha Jyostna*

Dr. T. Saritha Jyostna  
M. Pharm, Ph. D

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Secunderabad-500 017.

Date: 20/12/23

Place: Secunderabad

*H. S. S. S. S.*

External Examiner



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**FORMULATION DEVELOPMENT AND EVALUATION OF  
TELMISARTAN NANOSUSPENSIONS BY QbD APPROACH**

**THE DISSERTATION SUBMITTED TO**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**CH. HEPSIBA RANI**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-004**

**Under the guidance of**

**Dr. B. HAARIKA**

**M. Pharm, Ph. D**

**Professor & HOD, Department of Pharmaceutics**



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**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "**Formulation Development and Evaluation of Telmisartan Nanosuspensions by QbD Approach**" is based on the original research work carried out by me under the supervision of **Dr. B. Haarika**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.



**CH. HEPSIBA RANI**

Date: 20/12/2023

**REGISTRATION NO: 1704-21-886-004**

Place: Secunderabad





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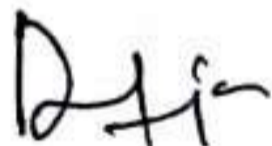
Ref.: SNVPMV/

Date :

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Signature of supervisor  
Dr. B. Haarika  
Professor

  
Signature of co-supervisor  
Mrs. P. Divya theja  
Assistant Professor

Date: 20/12/2023

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Professor & Head,  
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Dr. T. Saritha Jyostna  
M. Pharm. Ph. D  
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**FORMULATION DEVELOPMENT AND EVALUATION OF  
ESOMEPRAZOLE MAGNESIUM TRIHYDRATE FLOATING BEADS BY  
IONOTROPIC GELATION METHOD**

**THE DISSERTATION SUBMITTED TO**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN**

**PHARMACEUTICS**

**BY**

**DUMPATY SUPRIYA**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-005**

**Under the guidance of**

**Dr. S. ROHINI REDDY**

**M. Pharm, Ph. D**

**Associate Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**





## DECLARATION

I hereby declare that the project work entitled "**Formulation Development and Evaluation of Esomeprazole Magnesium Trihydrate Floating Beads by Iontropic Gelation Method**" is based on the original research work carried out by me under the supervision of **Dr. S. Rohini Reddy**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*[Handwritten Signature]*

**DUMPATY SUPRIYA**

**REGISTRATION NO:1704-21-886-005**

**Date:** 20/12/2023

**Place:** Secunderabad





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Signature of supervisor  
Dr. S. Rohini Reddy  
Associate Professor

Date: 20/12/2023

Place: Secunderabad

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Dr. B. Haarika  
M. Pharm, Ph. D

Professor & Head,  
Department of Pharmaceutics

Date: 20/12/2023

Place: Secunderabad

Dr. T. Saritha Jyostna  
M. Pharm, Ph. D  
Principal

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**FORMULATION AND EVALUATION OF SOLID LIPID  
NANOPARTICLES (SLN's) OF FESOTERODINE FUMARATE**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICS**

**BY  
GANDE AKHILA**

**B. Pharm  
REGISTRATION NO: 1704-21-886-006**

**Under the guidance of**

**Dr. N. Srinivas**

**M. Pharm., Ph. D**

**Director & Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
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TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled "**Formulation and Evaluation of Solid Lipid Nanoparticles (SLN's) of Fesoterodine Fumarate**" is based on the original research work carried out by me under the supervision of **Dr. N. Srinivas**, Director & Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Secunderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Akhila*

**GANDE AKHILA**

Date: 20/12/2023.

**REGISTRATION NO: 1704-21-886-006**

Place: Secunderabad



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Ref.: SNVPMV/

Date :

## CERTIFICATE

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*N. Srinivas*

Signature of supervisor

Dr. N. Srinivas

Professor & Director

*G. Sri Lalitha*

Signature of co-supervisor

G. Sri Lalitha

Assistant Professor

Date: 20/12/2023

Place: Secunderabad

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*B. Haarika*

Dr. B. Haarika  
M. Pharm. Ph. D

Professor & HOD  
Department of Pharmaceutics

Date: 20/12/2023

Place: Secunderabad

*T. Saritha Jyostna*

Dr. T. Saritha Jyostna  
M. Pharm. Ph. D

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**FORMULATION AND EVALUATION OF ACECLOFENAC  
BILAYER TABLETS**

**THESIS SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMCY  
IN  
PHARMACEUTICS**

**BY  
GORLA UDAYA SRI, B.Pharm  
Regd.NO:1704-21-886-007**

**Under the Guidance of**

**Dr. S. ROHINI REDDY , M. Pharm, Ph.D**

**Associate Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
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TARNAKA, SECUNDERABAD -500017  
TELANGANA-INDIA  
DECEMBER-2023**



## DECLARATION

I hereby declare that the project work entitled “**Formulation and Evaluation of Aceclofenac Bilayer Tablets**” is based on the original research work carried out by me under the supervision of **Dr. S. ROHINI REDDY**, Associate professor, Department of pharmaceuticals at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma to this or any other University or Institution.

*G. Udaya Sri*  
**GORLA UDAYA SRI**  
Reg no: 170421886007

Date: 20/12/2023

Place: Secunderabad



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Date :

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Signature of supervisor

Dr. S. Rohini Reddy

Associate professor

Date: 20/12/2023

Place: Secunderabad

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Dr. B. Harika

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Professor & HOD  
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**FORMULATION DESIGN AND EVALUATION OF  
ACECLOFENAC TRANSDERMAL PATCHES**

**THE DISSERTATION SUBMITTED TO**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE**

**AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**KOTHA MOUNIKA**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-008**

**Under the guidance of**

**Dr. CH. SHANTHI PRIYA**

**M.Pharm, Ph. D**

**Associate Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "**Formulation Design And Evaluation Of Aceclofenac Transdermal Patches**" is based on the original research work carried out by me under the supervision of **Dr. CH. Shanthi Priya**, Associate Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

K.Mounika .  
**KOTHA MOUNIKA**

Date: 19/12/2023

**REGISTRATION NO: 1704-21-886-008**

Place: Secunderabad



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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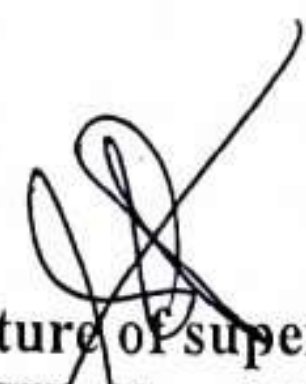
NBA Accredited B.Pharmacy Course

f.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled “**Formulation Design and Evaluation of Aceclofenac Transdermal Patches**” is a bonafide work carried out by Ms. KOTHA MOUNIKA bearing Regn. No. 1704-21-886-008 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of “**MASTER OF PHARMACY**” in Pharmaceutics. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor  
Dr. CH. Shanthi Priya  
Associate Professor

Date: 19/12/23

Place: Secunderabad

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Dr. B. Haarika  
M. Pharm. Ph. D

Professor & Head  
Department of Pharmaceutics

Dr. T. Saritha Jyostna  
M. Pharm. Ph. D

Principal **PRINCIPAL**  
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Secunderabad-500 017.

Date: 19/12/2023

Place: Secunderabad

  
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**FORMULATION AND EVALUATION OF BARBALOIN  
TRANSFEROSOMES LOADED TRANSDERMAL PATCH**

**THESIS SUBMITTED  
TO FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN  
PHARMACEUTICS**

**By  
MUTHANGI SANJANA, B.Pharm  
Reg. No: 170421886009**

**Under the Guidance of  
Dr. N. SRINIVAS, M.Pharm, Ph. D  
Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
TARNAKA, SECUNDERABAD-500017  
DECEMBER 2023**



## DECLARATION

I hereby declare that the project work entitled "**Formulation and Evaluation of Barbaloin Transferosomes Loaded Transdermal Patch**" is based on the original research work carried out by me under the supervision of **Dr. N. Srinivas**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*M. S. J.*

**Muthangi Sanjana**

**Reg. No: 170421886009**

Date: 20/12/2023

Place: Secunderabad





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NBA Accredited B.Pharmacy Course

f.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "Formulation and Evaluation of Barbaloin Transferosomes Loaded Transdermal Patch" is a bonafide work carried out by Ms. MUTHANGI SANJANA bearing Regn. No. 1704-21-886-009 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics. This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

Signature of Co-supervisor

Dr. Praneetha Pallerla

Associate Professor

Signature of supervisor

Dr. N. Srinivas

Professor & Director

Date: 20-12-2023

Place: Secunderabad

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*B. Haarika*

Dr. B. Haarika

M. Pharm. Ph. D

Professor & Head

Department of Pharmaceutics.

*T. Saritha Jyostna*

Dr. T. Saritha Jyostna

M. Pharm. Ph. D

Principal

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Secunderabad-500 017.

Date: 20/12/2023

Place: Secunderabad



*External Examiner*

External Examiner

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**FORMULATION AND EVALUATION OF ATORVASTATIN  
CALCIUM ORODISPERSIBLE TABLETS USING DESIGN  
EXPERT**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICS**

**BY  
PENDYALA MADHURI  
B. Pharm  
REGISTRATION NO: 1704-21-886-010**

**Under the guidance of**

**Dr. B. HAARIKA  
M. Pharm, Ph. D  
Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled “**Formulation and Evaluation of Atorvastatin Calcium Orodispersible tablets Using Design Expert**” is based on the original research work carried out by me under the supervision of **Dr. B. Haarika**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Madhuri*  
**PENDYALA MADHURI**

Date: 19/12/2023

**REGISTRATION NO: 1704-21-886-010**

Place: Secunderabad



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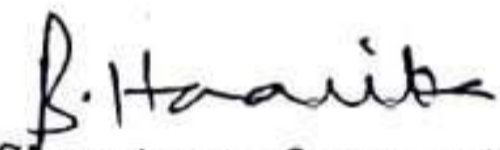
NBA Accredited B.Pharmacy Course

Ref.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "Formulation and Evaluation of Atorvastatin Calcium Orodispersible tablets Using Design Expert" is a bonafide work carried out by Ms. PENDYALA MADHURI bearing Regn. No. 1704-21-886-010 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics. This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor  
Dr. B. Haarika  
Professor

Date: 19/12/2023

Place: Secunderabad

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*B. Haarika*

Dr. B. Haarika  
M. Pharm. Ph. D  
Professor & Head  
Department of Pharmaceutics

*[Signature]*

Dr. T. Saritha Jyostna  
M. Pharm. Ph. D  
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Date: 19/12/2023

Place: Secunderabad

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**DESIGN FORMULATION AND *IN VITRO* EVALUATION OF SELF  
MICROEMULSIFYING DRUG DELIVERY SYSTEM (SMEDDS) OF  
ATORVASTATIN CALCIUM BY QBD**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**M.D. ROOPALI**

**B. Pharm**

**REGISTRATION No. 1704-21-886011**

**Under the guidance of**

**Mrs. R. Prasanthi, M.Pharm., (Ph.D)**

**Assistant Professor, Department of Pharmaceutical Quality Assurance**



**DEPARTMENT OF PHARMACEUTICS**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA, INDIA**

**DECEMBER 2023**



## DECLARATION

I hereby declare that the project work entitled “**Design Formulation and *In Vitro* Evaluation of Self Microemulsifying Drug Delivery System (Smedds) of Atorvastatin Calcium by QbD**” is based on the original research work carried out by me under the supervision of **Mrs. R. Prasanthi**, M. Pharm., (Ph.D)Assistant Professor, Department of Pharmaceutical Quality Assurance at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Roopali'*

**M. D. ROOPALI**

Date: 20/12/23

**REGISTRATION No: 1704-21-886-011**

Place: Secunderabad





# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ISO : 9001:2015 Certified Institution

NBA Accredited B.Pharmacy Course

f.: SNVPMV/

Date :

## CERTIFICATE

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Dr. B. Haarika  
M. Pharm., Ph. D  
Professor & Head,  
Department of Pharmaceutics

Dr. T. Saritha Jyostna  
M. Pharm. Ph. D  
Principal  
**PRINCIPAL**

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Date: 20/12/2023

Place: Secunderabad

29/12/23  
External Examiner



4 | Page

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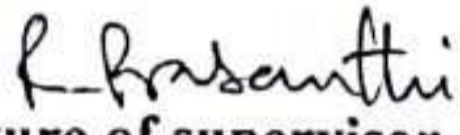
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Signature of supervisor

R. Prasanthi  
M. Pharm., (Ph. D)  
Assistant Professor

Date: 20/12/2023

Place: Secunderabad

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**FORMULATION AND CHARACTERIZATION OF  
MUCOADHESIVE BUCCAL TABLETS OF ACECLOFENAC**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**SARA AYESHA SHABBEER**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-012**

**Under the guidance of**

**Dr. CH. SHANTHI PRIYA**

**M. Pharm., Ph. D**

**Associate Professor, Department of Pharmaceutics**



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**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled "**Formulation and Characterization of Mucoadhesive Buccal Tablets of Aceclofenac**" is based on the original research work carried out by me under the supervision of **Dr. Ch. Shanthi Priya**, Associate Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Secunderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Ayesha*

**SARA AYESHA SHABBEER**

**REGISTRATION NO: 1704-21-886-012**

Date: 20-12-2023 .

Place: Secunderabad





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Date :

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Signature of supervisor  
Dr. CH. Shanthi Priya  
M. Pharm., Ph. D  
Associate Professor

Date: 20/12/2023

Place: Secunderabad

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*B. Haarika*

**Dr. B. Haarika**  
M. Pharm., Ph. D  
Professor & Head,  
Department of Pharmaceutics

*T. Saritha Jyostna*

**Dr. T. Saritha Jyostna**  
M. Pharm., Ph. D  
Principal

**PRINCIPAL**

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Secunderabad-500 017.

Date: 20/12/2023

Place: Secunderabad

*H. M. S. S. S.*

External Examiner



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**FORMULATION AND *INVITRO* CHARACTERIZATION OF  
METFORMIN MICROBALLOONS**

**THE DISSERTATION SUBMITTED TO**

**FACULTY OF PHARMACY**

**OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**SUDDALA SUPRIYA B. Pharm**

**REGISTRATION NO: 1704-21-886-013**

**Under the guidance of**

**Dr. M.SWETHA**

**M. Pharm, Ph. D**

**Associate Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS**

**SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,**

**TARNAKA, SECUNDERABAD - 500017.**

**TELANGANA-INDIA**

**DECEMBER -2023**



## DECLARATION

I hereby declare that the project work entitled "**Formulation And A *Invitro* Characterization of Metformin Microballoons**" is based on the original research work carried out by me under the supervision of **Dr.M.Swetha**, Associate Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*S. Supriya*  
SUDDALA SUPRIYA

Date: 20/12/2023

REGISTRATION NO: 1704-21-886-013

Place: Secunderabad



# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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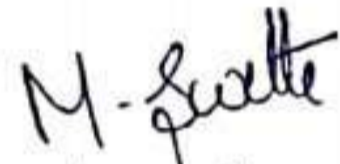
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Date :

## CERTIFICATE

This is to certify that thesis entitled "Formulation And *Invitro* Characterization of Metformin Microballoons" is a bonafide work carried out by Ms .SUDDALA SUPRIYA bearing Regn. No. 1704-21-886-013 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics.

This work is original and has not been submitted earlier to this or any other University either in part or full for the award of any degree or diploma.

  
Signature of supervisor

Dr. M. Swetha  
Associate Professor  
Department of Pharmaceutics

Date: 20-12-2023

Place: Secunderabad

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# SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

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ISO : 9001:2015 Certified Institution

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Dr. B. Haarika  
M. Pharm. Ph. D  
Professor & Head,  
Department of Pharmaceutics

Prof. T. Saritha Jyotsna  
M. Pharm. Ph. D  
Principal  
**PRINCIPAL**

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Date: 20/12/2023

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**FORMULATION AND CHARACTERIZATION OF RACECADOTRIL  
ORALLY DISINTEGRATING TABLETS USING DESIGN EXPERT**

**THE DISSERTATION SUBMITTED TO  
FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**BY**

**SUNKARA NIKITHA**

**B. Pharm**

**REGISTRATION NO: 1704-21-886-014**

**Under the guidance of**

**Dr. B. HAARIKA**

**M. Pharm, Ph. D**

**Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA,  
TARNAKA, SECUNDERABAD - 500017.  
TELANGANA-INDIA  
DECEMBER -2023**

## DECLARATION

I hereby declare that the project work entitled "**Formulation and Characterization of Racecadotril Orally Disintegrating Tablets Using Design Expert**" is based on the original research work carried out by me under the supervision of **Dr. B. Haarika**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*S. Nikitha*  
**SUNKARA NIKITHA**

Date: 19/12/23

**REGISTRATION NO: 1704-21-886-014**

Place: Secunderabad



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Signature of supervisor

Dr. B. Haarika  
Professor

Date: 19/12/2023

Place: Secunderabad

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*B. Haarika*

Dr. B. Haarika

M. Pharm. Ph. D

Professor & Head

Department of Pharmaceutics

*T. Saritha Jyostna*

Dr. T. Saritha Jyostna

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**PREPARATION AND DEVELOPMENT OF CHRYSIN  
TRANSFEROSOMES LOADED TRANSDERMAL PATCH**

**THESIS SUBMITTED  
TO FACULTY OF PHARMACY  
OSMANIA UNIVERSITY, HYDERABAD**



**IN PARTIAL FULFILMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY  
IN  
PHARMACEUTICS**

**By  
YERRA JAYASREE, B.Pharm  
Reg. No: 170421886015**

**Under the Guidance of  
Dr. N. SRINIVAS, M.Pharm, Ph. D  
Professor, Department of Pharmaceutics**



**DEPARTMENT OF PHARMACEUTICS  
SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA  
TARNAKA, SECUNDERABAD- 500017  
DECEMBER 2023**



## DECLARATION

I hereby declare that the project work entitled "**Preparation and Development of Chrysin Transferosomes Loaded Transdermal Patch**" is based on the original research work carried out by me under the supervision of **Dr. N. Srinivas**, Professor, Department of Pharmaceutics at Sarojini Naidu Vanita Pharmacy MahaVidyalaya, Tarnaka, Hyderabad. I also affirm that this work is original and has not been submitted in part or full, for any other degree or diploma of this or any other University or Institution.

*Y. Jayasree*

**Yerra Jayasree**

**Reg. No: 170421886015**

Date: 20-12-23

Place: Secunderabad





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f.: SNVPMV/

Date :

## CERTIFICATE

This is to certify that thesis entitled "Preparation and Development of Chrysin Transfersomes Loaded Transdermal Patch" is a bonafide work carried out by Ms. Yerra Jayasree bearing Reg. No. 1704-21-886-015 under my supervision at Sarojini Naidu Vanita Pharmacy Maha Vidyalaya and submitted to Osmania University, Hyderabad for the partial fulfillment of the award of the degree of "MASTER OF PHARMACY" in Pharmaceutics. This work is original and has not been submitted earlier to this or any other university either in part or full for the award of any degree or diploma.

Signature of Co-supervisor  
Dr. Praneetha Pallerla  
Associate Professor

Signature of supervisor  
Dr. N. Srinivas  
Professor & Director

Date: 21-12-2023.

Place: Secunderabad

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