# THESIS AND CHARATERIZATION OF NOVEL BENZOYL PIPERAZINE DERIVATIVES

Dissertation submitted to

Jawaharlal Nehru Technological University Ananthapur, Ananthapuramu



In partial fulfillment for the award of degree of

#### **BACHELOR OF PHARMACY**

by

A.YASASWINI	GAVATHRI	164Q1R0004
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Under the guidance of

K. DURGA PRASAD, M. Pharm.,

Asst. Professor



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NELLORE - 524 002.

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

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# **BONAFIDE CERTIFICATE**

The state of the dissertation work entitled "SYNTHESIS AND ARACTERIZATION OF NOVEL BENZOYL PIPERAZINE DERIVATIVES" is the research work done by A.YASASWINI GAYATHRI(164Q1R0004), WYA(164Q1R0019), K.ROHINI(164Q1R0032), P.MANASWI(164Q1R0055), SINDHU(164Q1R0060) in partial fulfilment of the requirements for the award of degree Bachelor of Pharmacy from Jawaharlal Nehru Technological University Anantapur, anthapuramu, during the academic year2019-2020.

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#### CERTIFICATE

to certify that the dissertation work entitled. "SYNTHESIS AND EXACTERIZATION OF NOVEL BENZOYL PIPERAZINE DERIVATIVES" is the research work done by A.YASASWINI GAYATHRI(164Q1R0004), A.(164Q1R0019), K. ROHINI(164Q1R0032), P.MANASWI(164Q1R0055), P.V.S. [164Q1R0060] in partial fulfilment of the requirements for the award of degree of Pharmacy was carried out in Narayana Pharmacy College, Chinthareddypalem, ander the guidance and supervision.

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## **DECLARATION**

declare that the topic entitled "SYNTHESIS AND CHARATERIZATION OF BENZOYL PIPERAZINE DERIVATIVES" which is submitted to Jawaharlal university for partial filfillment of the requiremets for the award of degree of pharmacy, is the work done by us under the guidance of Mr.K. DurgaPrasad Asst.Professor, Department of Pharmaceutical Chemistry, Narayana Pharmacy

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(164Q1R0055)

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# PREPARATION AND EVALUATION OF POLYHERBAL FACE WASH DISSERTATION

Submitted to

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITIES ANANTAPUR



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

#### **BACHELOR OF PHARMACY**

CHALLA.BHAVANA (164Q1R0009)

MERUVA GREESHMA (164Q1R0045)

MOCHARLA PAVITHRA (164Q1R0046)

SNEHA DAVID (164Q1R0078)

YELLIBOINA HIMABINDU (164Q1R0089)

Under the guidance of

DR. K HARINADHA BABA, M.pharm,ph.D, Professor and Principal



NARAYANA PHARMACY COLLEGE,

(Affiliated to JNTUA, Anantapur by A.I.C.T.E., New Delhi), Chinthareddypalem, Nellore-524002(A.P.) April -2020



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#### DECLARATION

We hereby declare that the topic entitled "PREPARATION AND EVALUATION OF POLYHERBAL FACE WASH "Which is submitted to Jawaharlal Nehru Technological University for partial fulfillment of the requirements for the award of degree of Bachelor of charmacy, is the work done by us under the guidance of Dr. K.Harinadha Baba M.Pharm., Ph.D, Professor, Department of Analysis, Narayana pharmacy college, Nellore during the academic year 2019-2020. We further declare that the result of this work has not been submitted for any degree or fellowships.

CHALLA BHAVANA Ch Bhavana MERUVA GREESHMA m Greeshma.

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MOCHARLA PAVITHRA
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Project viva voice held on:

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EXTERNAL EXAMINAR



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164Q1R0089) in partial fulfillment of the requirements for the award degree of **Bachelor of**\*\*Darmacy was carried out in Narayana Pharmacy college, Chinthareddypalem, Nellore under the

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# EMULATION AND EVALUVATION OF IBUPROFEN NIOSOMAL GEL FOR TOPICAL DELIVERY

Project submitted to

# JAWAHARLAL TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU



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

#### BACHELOR OF PHARMACY

#### Submitted by

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I. Harshitha (164Q1R0027)

Y. Pavani (164Q1R0088)

G. Hari prasad (164Q1R0020)

K. Sathish (164Q1R0033)

Under the guidance of

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Professor&HOD, department of pharmaceutics



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## **DECLARATION**

PROFEN NIOSOMAL GEL FOR TOPICAL DELIVERY" which is submitted to are all technological university for partial fulfillment of the requiremets for the award of Bachelor of pharmacy, is the work done by us under the guidance of Dr. S. M.pharm.,Ph.D., Professor, Vice Pricipal and HOD, Department of Pharmaceutics, and Pharmacy College, Nellore during the academic year 2019-2020.

The furthur declare that the result of this work has not been submitted for any degree or ship.

EAPU HARSHITHA 164Q1R0027) GADDAM HARI PRASAD (164Q1R0020)

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S. Sijatha Dr. S. Sujatha, M.Pharm., Ph.D.,

Vice Principal,

Professor & HOD,

Department of pharmaceutics,

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Wiva-Voce held on	
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PRINCIPAL NARAYANA PHARMACY COLLEGE NELLORE - 524 002.

**External Examiner** 

Examiner

# PROTECTIVE EFFECTS OF ETHANOLIC LEAF EXTRACT OF TECTONA GRANDIS IN GENTAMICIN INDUCED NEPHROTOXICITY IN ANIMAL MODELS

Dissertation Submitted to



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

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

#### BACHELOR OF PHARMACY

By

A. SRIKAR BABU	(174Q1R0002)	
A.PAVAN KALYAN	(174Q1R0005)	
K. SAI MANOHAR	(174Q1R0032)	
P. POOJITHA	(174Q1R0063)	
SK. TAFSEEN	(174Q1R0083)	

#### Under the Guidance of

Dr. AFSAR SHAIK M. Pharm., Ph.D., Associate Professor, Department of Pharmacology



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#### DECLARATION

ETHANOLIC LEAF EXTRACT OF TECTONA GRANDIS IN GENTAMICIN INDUCED NEPHROTOXICITY IN ANIMAL MODELS" which is submitted to awaharlal Nehru technological university for partial fulfillment of the requirements the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of Dr. AFSAR SHAIK M. Pharm., Ph.D., Associate Professor, Department of Pharmacology, Narayana Pharmacy College, Nellore during the academic year 2020-2021.

We further declare that the result of this work has not been submitted for any begree or fellowship.

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## **CERTIFICATE**

This is to certify that the dissertation work entitled "PROTECTIVE EFFECTS OF ETHANOLIC LEAF EXTRACT OF TECTONA GRANDIS IN GENTAMICIN INDUCED NEPHROTOXICITY IN ANIMAL MODELS" is the bonafied research work done by A. SRIKAR BABU (174Q1R0002), A. PAVAN KALYAN 174Q1R0005), K. SAI MANOHAR (174Q1R0032), P. POOJITHA (174Q1R0063), SK. TAFSEEN (174Q1R0083), in partial fulfillment of the requirements for the sward of degree of Bachelor of Pharmacy was carried out in Narayana Pharmacy College, Chinthareddypalem, Nellore under my guidance and supervision.

Dr. AFSAR SHAIK M. Pharm., Ph.D.,

Associate Professor, Department of Pharmacology, Narayana Pharmacy College, Chinthareddypalem, Nellore.

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Project Viva-voce held on 24-07-2011

PRINCIPAL NARAYANA PHARMACY COLLEGE NELLORE - 524 002.

Internal Examiner

**External Examiner** 

# SCREENING METHOD OF ANTI DEPRESSANT ACTIVITY OF CLOVE AND BETTLE LEAF EXTRACTS IN ALBINO RATS

## Dissertation submitted to



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

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

ANIMUTHYAM BHANU PRIYA (174Q1R0001)
CHINTHAKUNTA SAIKEERTHANA (174Q1R0015)
KALAPATI KAVYA (174Q1R0035)
PERISETLA SWETHA (174Q1R0070)

Under the Guidance of

Ms.SK.Salma sultana ,M.Pharm.,
Assistant Professor, Department of Pharmacology



#### NARAYANA PHARMACY COLLEGE

(Affiliated to JNTUA, Anantapur, Approved by A.I.C.T.E., New Delhi)

Chinthareddypalem, Nellore - 524002, A.P.

JULY - 2021 NARAYANA PHARMACY COLLEGE

## DECLARATION

We hereby declare that the topic entitled "SCRNEENING METHOD OF ANTI DEPRESSANT AVTIVITY OF CLOVE AND BETTLE LEAF EXTRACTS MIXTURE IN ALBINO RATS" which is submitted to Jawaharlal Nehru technological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of Ms. Sk. SALMA SULTHAN M.Pharm., Assistant professor, Department of pharmacology, Narayana Pharmacy college, Nellore during the academic year 2020-2021.

We further declare that the result of this work has not been submitted for any degree or fellowship.

A. Bhanging animuthyam Bhanupriya

(174Q1R0001)

KALAPATI KAVYA

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Chinthakunta saikeerthana
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PERISETLA SWETHA
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# Certificate

This is to certify that the dissertation work entitled "SCREENING METHOD OF ANTI DEPRESSANT ACTIVITY OF CLOVE AND BETTLE LEAF EXTRACTS MIXTURE IN ALBINO RATS" is the bonafide research work done by ANIMUTHAYAM BHANUPRIYA (174Q1R0001), CHINTHAKUNTA SAIKEERTHANA (174Q1R0015), KALAPATI KAVYA (174Q1R0035), PERISETLA SWETHA (174Q1R0070) in partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy was carried out in Department of Pharmacology, Narayana Pharmacy College, Chinthareddypalem, Nellore under my guidance and supervision.

Ms. Sk. SALMA SULTHANA, M.Pharm.,

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# **Certificate**

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> Dr. K. HARINADHA BABA, M.Pharm., Ph.D., D., F.I.C., & D.

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#### **BONAFIDE CERTIFICATE**

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Project Viva-voce held on 24/07/2081

Internal Examiner

**External Examiner** 

#### **GREEN SYNTHESIS OF SILVER NANOPARTICLES**

#### Dissertation Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU

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

#### **BACHELOR OF PHARMACY**

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B.BINATHI

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T.DIVYA MADHURI

(174Q1R0089)

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

Under the Guidance of

Dr S.SUJATHA M.Pharm., Ph.D

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July 2021

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#### DECLARATION

We hereby declare that the topic entitled "GREEN SYNTHESIS OF ELVER NANOPARTICLES" which is submitted to Jawaharlal Nehru echnological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us ander the guidance of Dr.S.SUJATHA M. Pharm., Ph.D., Professor and HOD OF Department of Pharmaceutics, Narayana Pharmacy college, Nellore during the academic year 2020-2021.

We further declare that the result of this work has not been submitted for any degree or fellowship

**B.BINATHI** 

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# Certificate

This is to certify that the dissertation work entitled "GREEN STATHESIS OF SILVER NANOPARTICLES" is the bonafide research work done by B.BINATHI (174Q1R0008), T.DIVYA MADHURI (174Q1R0089), C.V. SRI HIMAJA 174Q1R0011), P.JEEVAN KUMAR (174Q1R0067), G.PRASANTH (174Q1R0027), in partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy was carried out in Narayana Pharmacy College, Chinthareddypalem, Nellore under my guidance and supervision.

S. Sujathe 24/7/2021 Dr.S.SUJATHA M. Pharm., Ph.D.

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#### **BONAFIDE CERTIFICATE**

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Project Viva-voce held on \_\_\_

24-04-2021

Internal Examiner

**External Examiner** 

# THESIS AND CHARACTERISATION OF CHALCONES AND ITS DERIVATIVES

A Dissertation submitted to

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR



In partial fulfilment of award of the degree of

# BACHELOR OF PHARMACY (B.Pharm) (2016-2020 BATCH)

By

N.VIHARI (164Q1R0051)

RATNAKARAM.SOWMYA (164Q1R0064)

SAYAD.GAYAZ AHAMAD (164Q1R0067)

SHAIK.ARIFA (164Q1R0068)

SHAIK.KARISHMA (164Q1R0072)

Under the guidance of

#### P. PRABHAVATHI M.Pharm

**Assistant Professor** 

**Department of Pharmaceutical Chemistry** 



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DR.K.HARINADHA/BABA M.Pharm, Ph.D,

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Assistant professor,
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## **BONAFIDE CERTIFICATE**

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research work done by N.VIHARI (164Q1R0051),R.SOWMYA
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abelor of Pharmacy (B.Pharm), at Narayana Pharmacy College, in collaboration with
wana Medical College And Hospital Nellore, during the academic year 2019-2020.

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Teet viva voice nera on	-

Internal examiner:

External examiner:



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## DECLARATION

hereby declare that this project work which is, entitled "SYNTHESIS AND CHARACTERISATION OF CHALCONES AND ITS DERIVATIVES" submitted to Jawaharlal Nehru Technological University Anantapur (JNTUA) for the partial fulfillment of the requirement for IV year Bachelor of Pharmacy B.Pharm), at Narayana Pharmacy College, in collaboration with Narayana Medical College And Hospital Nellore, is an authentic record of my work carried out under the supervision of P.PRABHAVATHI., M.Pharm during the academic year 2019-2020. To the best of my knowledge and belief this project bears no resemblance with any report submitted to Narayana Pharmacy College or any other University for the award of any degree and diploma.

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R.SOWMYA

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-01R0072)

# SYNTHESIS AND BIOLOGICAL EVOLUATION OF 2-METHYL BENZIMIDAZOLE

#### Dissertation

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU



# In partial fulfillment of the requirements for the gward of the degree of BACHELOR OF PHARMACY



D.BHARATHI	(204Q1R0017)
K. VINEESHA	(204Q1R0041)
M. NAGA VENNELA	(204Q1R0048)
N. SOWJANYA	(204Q1R0049)
N. SANTHOSH	(204Q1R0051)

Under the Guidance of

Dr. CH. LALITHA, M. Pharm, Ph.D.
Associate Professor,
Department of Pharmaceutical chemistry



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APRIL 2024



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### DECLARATION

BIOLOGICAL EVOLUATION OF 2-METHYL BENZIMIDAZOLE" which is submitted to Jawaharlal Nehru technological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of Dr. CH. LALITHA, M.Pharm.,Ph.D Associate professor, Department of Pharmaceutical chemistry, Narayana Pharmacy college, Nellore during the academic year 2023-2024.

We further declare that the result of this work has not been submitted for any degree or fellowship.

D. Bharathi
(204Q1R0017)

M. Naga Vennela M.NAGA VENNELA (204Q1R0048) (204Q1R0041)

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## **Certificate**

This is to certify that the dissertation work entitled "SYNTHESIS AND BIOLOGICAL EVALUATION ... OF 2-METHYL BENZIMIDAZOLE" is the bonafide research work done by D.BHARATHI (204Q1R0017), K. VINEESHA (204Q1R0041), M. NAGA VENNELA (204Q1R0048), N. SOWJANYA (204Q1R0049) and N. SANTHOSH (204Q1R0051) in partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy was carried out in Narayana Pharmacy College, Chinthareddypalem, Nellore under my guidance and supervision. This work is submitted to JNTUA Anantapur. No part of this thesis is submitted to any university or institution.

Dr. CH. LALITHA, M. Pharm. Ph.D.

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Associate Professor,

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Project Viva-voce held on 29 44

ch. Lali Tag Tyly

External Examiner

# FORMULATION AND IN-VITRO EVALUATION OF HERBAL WOUND HEALING PATCH

Dissertation

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU



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



B. DEEPTHI (204Q1R0007)
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K. VARSHITHA (204Q1R0031)

K. KEERTHANA (204Q1R0036)

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### DECLARATION

IN-VITRO EVALUATION OF HERBAL WOUND HEALING PATCH" which is submitted to Jawaharlal Nehru technological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of Dr.M.KRISHANAVENI, M.Pharm.Ph.D Associate Professor, Department of Pharmaceutics, Narayana Pharmacy college, Nellore during the academic year 2023-2024.

We further declare that the result of this work has not been submitted for any degree or fellowship.

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(204Q1R0007)

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PRINCIPAL NARAYANA PHARMACY COLLEGE NELLORE - 524 002.

Project Viva-voce held on 29/04/2024

Internal Examiner

Expernal Examiner 29/4/24

## FORMULATION AND EVALUATION OF POLYHERBAL FRUIT PEEL SHAMPOO

#### Dissertation

#### Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU.



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

## Ву

A. ANUHYA	(204Q1R0005)
B. ADARSH	(204Q1R0006)
B. VANDANA KEERTHI	(204Q1R0010)
D. SIDDAIAH	(204Q1R0016)
SK. ABDUL HAMEED	(204Q1R0084)

## Under the Guidance of

P. SREE MAHALAKSHMI, M.Pharm., Assistant Professor, Department of Pharmacology



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**APRIL 2024** 



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### **DECLARATION**

We hereby declare that the topic entitled "FORMULATION AND EVALUATION OF POLYHERBAL FRUIT PEEL SHAMPOO" which is submitted to Jawaharlal Nehru technological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of P. SREE MAHALAKSHMI, M.Pharm., Assistant professor, Department of Pharmacology, Narayana Pharmacy college, Nellore during the academic year 2023-2024.

We further declare that the result of this work has not been submitted for any degree or fellowship.

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B. Vandt thi

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P. SREE MAHALAKSHMI M.Pharis.

Assistant Professor, Department of Pharmacology, Narayana Pharmacy College, Chinthareddypalem, Nellore.



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PRINCIPAL NARAYANA PHARMACY COLLEGE NELLORE - 524 002. S. Sujatha Dr. S. SUJATHA, M. Pharw. Ph.D.

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Project Viva-voce held on 27-04-2024

Posque Mahalakshir Internal Examiner 27/09/20

External Examiner

## FORMULATION AND EVALUATION OF MICROBEADS OF KETOROLAC BY INOTROPIC GELATION METHOD

#### Dissertation

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU



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



GULURI. LAHARI	(204Q1R0025)
KANDE, NANDINI	(204Q1R0033)
SATHENA. SAHITH	(204Q1R0080)
SHAIK. HUMERA	(204Q1R0086)
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## DECLARATION

EVALUATION OF MICROBEADS OF KETOROLAC BY INOTROPIC GELATION METHOD" which is submitted to Jawaharlal Nehru technological university for partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy, is the work done by us under the guidance of PURNASAI. BADDIREDDI, M.Pharm., Associate professor, Department of Pharmaceutics, Narayana Pharmacy college, Nellore during the academic year 2023-2024.

We further declare that the result of this work has not been submitted for any degree or fellowship.

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## **Certificate**

\*FORMULATION AND EVALUATION OF MICROBEADS OF KETOROLAC BY INOTROPIC GELATION METHOD" is the bonafide research work done by GULURI. LAHARI (204Q1R0025), KANDE. NANDINI (204Q1R0033), SATHENA. SAHITH (204Q1R0080), SHAIK. HUMERA (204Q1R0086) and VELLADULI. MADHAVI (204Q1R00A6) in partial fulfillment of the requirements for the award of degree of Bachelor of Pharmacy was carried out in Narayana Pharmacy College, Chinthareddypalem, Nellore under my guidance and supervision. This work is submitted to JNTUA Anantapur. No part of this thesis is submitted to any university or institution.

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## **EVALUATION CERTIFICATE**

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