

1.3.2.1 NUMBER OF STUDENT'S UNDERTAKING PROJECT WORK FOR THE ACADEMIC YEAR 2022-2023

SL NO	TITLE		NMBER OF STUDENTS	PAGE NUMBER
1	PROJECT WORK	B. PHARMACY	92	02-88
		PHARM.D	23	89-118
		M.PHARMACY	8	119-140

We here by declared that the thesis, entitled "FORMULATION AND EVALUATION OF ENTERIC COATED TABLETS OF DEXLANSOPRAZOLE" which is being submitted by "AEDLA HARISH (19GN1R0071), ANJALI SINGH (19GN1R0072), HARI SUKKA RAGHAVA PRASAD (19GN1R0073), BADDAM PRATHYUSHA (19GN1R0074) "in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Dr. RAMA KRISHNA MUNGI M. Pharm., Ph. D Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28 06 2023 Place: Gunthapally

> AEDLA HARISH A Harish (19GN1R0071) ANJALI SINGH (19GN1R0072) Aniali (19GN1R0072) Aniali (19GN1R0073) SUKKA HARI RAGHAVA Har Edison (19GN1R0073) PRINCIPAL INSTITUTE OF NANTH' INSTITUTE OF

Gunthapally(V) Abdullaputmet(MLR & Dist Near Ramoji Filmcity Hyderahad

Date 28 06 2023

08415-281165

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "FORMULATION AND EVALUATION OF ENTERIC TABLETS OF COATED DEXLANSOPRAZOLE" which is being submitted by "AEDLA HARISH (19GN1R0071), ANJALI **SINGH** (19GN1R0072). SUKKA HARI RAGHAVA PRASAD (19GN1R0073), BADDAM PRATHYUSHA (19GN1R0074)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

MR.Kn

PROJECT GUIDE

:

Dr. RAMA KRISHNA MUNGI M. Pharm., Ph. D Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Date: 28 06 2023

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "FORMULATION AND **EVALUATION** ENTERIC COATED TABLETS OF OF DEXLANSOPRAZOLE" which is being submitted by "AEDLA HARISH HARI (19GN1R0072), **SUKKA** (19GN1R0071), ANJALI SINGH PRATHYUSHA BADDAM PRASAD (19GN1R0073), RAGHAVA (19GN1R0074)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization.



PRINCPIAL

Dr.K. BALAJI, M.Pharm., Ph.D, wanthi Institute of Pharmaceutical Sciences.

> PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

08415-261165 08415-329455 INSTITUTE PHARMACEUTICAL SCIENCES ATL FT Reconcientity Cost of A.P. & Attended to J.N.* U. Hydershadi Gunthapaliy(V). Abdullaputmet(M), R. R Dist. Near Ramoji Filmcity, Hyderabad Date: 28 06 2023

CERTIFICATE

This is to certify that the thesis / dissertation entitled "FORMULATION OF TABLETS COATED ENTERIC **EVALUATION** OF AND DEXLANSOPRAZOLE" which is being submitted by "AEDLA HARISH HARI (19GN1R0072), SUKKA (19GN1R0071), ANJALI SINGH PRATHYUSHA BADDAM (19GN1R0073), RAGHAVA PRASAD (19GN1R0074)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

:

EXTERNAL EXAMINER



PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

by declared here that the "DEVELOPMENT, We thesis. entitled CHARACTERIZATION AND **OPTIMIZATION OF RIVASTIGMINE** TARTARATE SOLID LIPID NANOPARTICLES" which is being submitted by "Ms.CHINNARI (19GN1R0048) Ms. MANASA(19GN1R0033) Mr. Abhiram (19GN1R096) in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr. M. RAMAKRISHNA, M.Pharm. (Ph. D), Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: Gunthafally.

Ms. MACHARAM MANASA (19GN1R0033) Ms.SANDHYAPOGU CHINNARI S.Chimari
(19GN1R0048)
Mr. SURIGIRALA ABHIRAM
(19GN1R0096)
PRINCIPAL PRINCIPAL INSTITUTE OF AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH! Abdullapurmet (M), Gunthapally (V), Abdullapurmet (M), B.R. Dist. Telangana

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CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT, CHARACTREIZATION AND OPTIMIZATION OF RIVASTIGIMINE TARTARATE SOLID LIPID NANOPARTICLES "which is being submitted by Ms. MANASA19GN1R0033) Ms. CHINNARI (19GN1R0048) Mr. ABHIRAM (19GN1R0096) in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE

08415-261165

Dr. M.Rama krishna , M. Pharm., (Ph D) Associate Professor Head of the department Avanthi Institute of Pharmaceutical Sciences



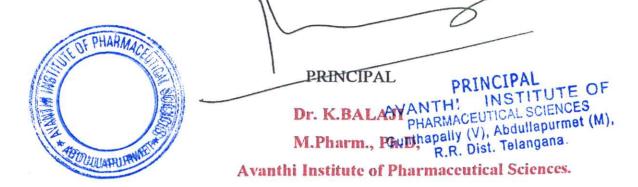




Date 28-6-23

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled " DEVELOPMENT, CHARACTEREIZATION AND OPTIMIZATION OF RIVASTIGIMINE TARTARATE SOLID LIPID NANOPARTICLES" which is being submitted by Ms.MANASA (19GN1R0033) Ms.CHINNARI (19GN1R0048) Mr. ABHIRAM (19GN1R0096) in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization



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Date: 28-6-23

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EXTERNAL EXAMINER



We here by declared that the thesis, entitled "Analytical Method development and validation of MOBOCERTINIB in pharmaceutical dosage forms by RP-HPLC method" which is being submitted by "MR. K RAHUL (19GN1R0085) Mr.K. Sai Kiran (19GN1R0086) MS. K MANASA (19GN1R0086) Ms. N. SUPRIYA (19GN1R0089)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S. (500085), is the result of investigation carried out by me under the guidance of Ms. K. Sarika Reddy M .Pharm, Assistant Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: Gunthapally, Hyderabad.

Mr. K. Rahul A. (19GN1R0085) Mr. K. Sai Kiran K. Sai Kiran (19GN1R0086) Ms. K. Manasa K. Manasa (19GN1R0087) Ms. N. Supriya N. Supriya (19GN1R0089)

AL SCIENCES Gunthapally (V), Abdullapurmet (M),





CERTIFICATE BY THE GUIDE

;

This is to certify that the thesis / dissertation entitled "Analytical Method development and validation of MOBOCERTINIB in pharmaceutical dosage forms by RP-HPLC method" which is being submitted by "IMR. K RAHUL 2 (19GN1R0085) Mr.K. Sai Kiran (19GN1R0086) MS. K MANASA, (19GN1R0086) Ms. N. SUPRIYA (19GN1R0089) " in partial tultillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

K. Sariba PROJECT GUIDE

Ms. K. Sarika Reddy M. Pharm, Assistant Professor Department of Pharmaceutical Analysis Avanthi Institution of Pharmaceutical sciences



EOF Gunthapally (V), Abdullapurmet (M),



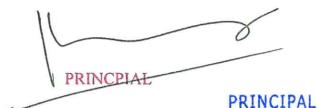
Date 28 08 2023

INSTITUTE OF

PHARMACEUTICAL SCIENCES

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "Analytical Method development and validation of MOBOCERTINIB in pharmaceutical dosage forms by RP-HPLC method" which is being submitted by "MR. KRAHUL , (19GN1R0085) Mr.K. Sai Kiran (19GN1R0086) MS. K MANASA (19GN1R0086) Ms.N. SUPRIYA (19GN1R0089)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization



Dr. K. BALAJAVANTH!



M.Pharm., Ph.D, R.R. Diet Tologo Avanthi Institution of Pharmaceutical sciences - PRINCIPAL

Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V). Havath Nagar (M), Ranga Reddy Dist.



Date 28 06 2023

CERTIFICATE

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EXAMINER

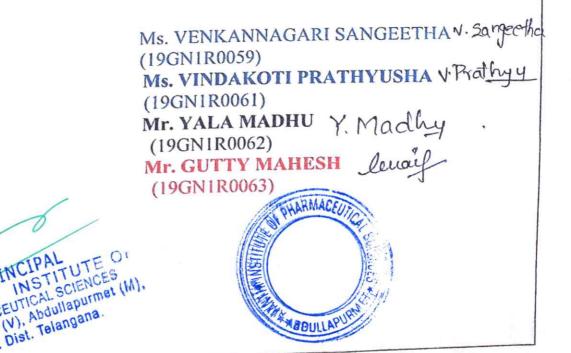
TERNAL

PRINC ITUTE OF INS PHARMACEUTICAL SCIENCES AVANTH! Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana



We here by declared that the thesis, entitled "SYNTHESIS AND EVALUATION OF ANTIMICROBIAL, ANALGESIC ACTIVITIES OF SUBSTITUTED BENZIMIDAZOLE DERIVATIVES" which is being submitted by "Ms. VENKANNAGARI SANGEETHA (19GN1R0059), Ms. VINDAKOTI PRATHYUSHA (19GN1R0061), Mr. YALA MADHU (19GN1R0062), Mr. GUTTY MAHESH (19GN1R0063)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr. A. ANIL KUMAR, M.Pharm, Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28.06.2023 Place: Hydesabad



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Date: 28.06.2023

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CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "SYNTHESIS AND EVALUATION OF ANTIMICROBIAL, ANALGESIC ACTIVITIES OF SUBSTITUTED BENZIMIDAZOLE DERIVATIVES" which is being submitted by "Ms. VENKANNAGARI SANGEETHA (19GN1R0059) Ms. VINDAKOTI PRATHYUSHA (19GN1R0061) Mr. YALA MADHU (19GN1R0062) Mr. GUTTY MAHESH (19GN1R0063)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PRINCIPAL

VANTH

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana

INSTITUTE OF

PROJE GUIDE

Mr. A. ANIL KUMAR, M. Pharm. Associate Professor Department of Pharmaceutical Chemistry Avanthi Institute of Pharmaceutical Sciences

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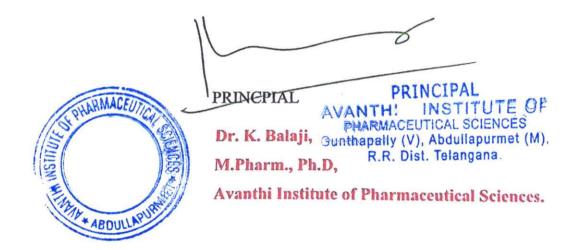
* ABDULLAP



Date: 28.08.2023

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "SYNTHESIS AND EVALUATION OF ANTIMICROBIAL, ANALGESIC ACTIVITIES OF SUBSTITUTED BENZIMIDAZOLE DERIVATIVES" which is being submitted by "Ms. VENKANNAGARI SANGEETHA (19GN1R0059) Ms. VINDAKOTI PRATHYUSHA (19GN1R0061) Mr. YALA MADHU (19GN1R0062) Mr. GUTTY MAHESH (19GN1R0063)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization



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Date 28.06.2023

CERTIFICATE

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PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH! Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

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PHAR

PULLAPAIS

We here by declared that the thesis, entitled " SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOME FURAN DERIVATIVES" which is being submitted by MUPPAVARAM Mr. MUSTIPALLY SHIVA(19GN1R0037) Ms. **KEERTHI** (19GN1R0038) MAHALAXMI Ms. SANGANAMONI (19GN1R0050)" in partial fulfilment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, TS (500085), is the result of investigation carried out by me under the guidance of Dr. Nihar Ranjan Das M. Pharm., Ph. D Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/23 Place: Hyderobod

Mr. MUPPAVARAM SHIVA

AVANTH Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana



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Date: 28 06 2023

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PROJECT GUIDE

Dr. Nihar Ranjan Das M. Pharm., (Ph. D) Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL AVANTH! Cunhapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Date: 28 06/2023

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PRINCPIAL

Dr.K. BALAJI, M.Pharm., Ph.D, Avanthi Institute of Pharmaceutical Sciences.

> PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



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Date: 28/06/2

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EXTERNAL EXAMINER

PRINCIPAL NSTITUTE OF



PRINCIPAL AVANTH: INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapaliy (V), Abdullapurmet (M). R.R. Dist. Telangana.

We here by declared that the thesis, entitled "SYNTHESIS AND BIOLOGICAL ACTIVITIES OF SOME IMIDAZOLE DERIVATIVES" which is being submitted by "Mr.CHENNOJU SHASHANK(19GN1R0077) Ms. DASAM BHAGYALAKSHMI (19GN1R0078) Ms. DAVULURI SRUTHI (19GN1R0079) Mr. DONAKONDA MAHENDHAR (19GN1R0080) "in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Dr. Nihar Ranjan M. Pharm., Ph. D Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 27/06/2023 Place: Guntapally

PRINCIP

R.R. Dist. Telangana.

AVANT

ICAL SCIENCES Abdullapurmet (M),

Mr. CHEN SHANK (19GN1R0077) Ms. DASAM BHAGYALAKSHMI (19GN1R0078) Ms. DAVULURI SRUTHI (19GN1R0079) Mr. DONA (19GN1R0080) PHARMAR

ABDULLAPU



Date: _

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "SYNTHESIS AND BILOGICAL ACTIVITY OF IMIDAZOLE DERIVATIVES" which is being submitted by Mr.CHENNOJU SHASHANK(19GN1R0077) Ms. DASAM BHAGYALAKSHMI (19GN1R0078) Ms. DAVULURI SRUTHI (19GN1R0079) Mr. DONAKONDA MAHENDHAR (19GN1R0080) "in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record ofbonafide work carried out by them under my guidance.

PROJECT GUIDE

:

Mr.Dr. Nihar Ranjan Das M. Pharm., Ph. D Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH! Gunthapally (V), Abdullapurmet (M) R.R. Dist. Telanoana

(Approved by ALCIE Recognised by Govt of A.P. & Affiliated to J.N.T.U. Hyderabad) Gunthapally(V), Abdullapurmet(M), R. R.Dist. Near Ramoji Filmcity, Hyderabad.

Date: _____

08415-201165

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "SYNTHESIS AND BILOGICAL ACTIVITY OF IMIDAZOLE DERIVATIVES" which is CHENNOJU SHASHANK(19GN1R0077) being submitted by Mr. DAVULURI Ms. DASAM BHAGYALAKSHMI (19GN1R0078) Ms. MAHENDAR SRUTHI (19GN1R0079) Mr. DONAKONDA (19GN1R0080)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCPIAL



Dr.K. BALAJI , M.Pharm., Ph.D, Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Cuphtapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

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Date: _____

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: EXTERNAL EXAMINER



Abdullapurmet (M). Dist. Telangana GUN

We here by declared that the thesis, entitled "FORMULATION AND EVALUATION OF **MICROEMULSION OF ANTIHYPERTENSIVE DRUG FELODIPINE**" which is being submitted by "BOYA.AKSHAY(19GN1R0005), DYAGALA.DEEPIKA (19GN1R0015).MADAGANI.VENNELA(19GN1R0060), BARLA.RAM(19GN1 R0075)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr. THATIKAYALA MAHENDER, M.Pharm, (Ph. D), Assistant Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28-06-2023 Place: Gunthapally

Mr. BOYAAKSHAY B. Alchay. (19GN1R0005) Ms.DYAGALADEEPIKA (19GN1R0015) Ms.MADAGANI VENNELA (19GN1R0060) Mr.BARLA RAMB (19GN1R0075) DE PHAR PRINCIPA UTE OF AVANTH! PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana. ULLAPURM

08415-201165 08415-329455

Date 22/06/2023



CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "FORMULATION AND EVALUATION OF MICROEMULSION OF ANTIHYPERTENSIVE DRUG FELODIPINE" which is being submitted by "BOYA. AKSHAY(19GN1R0005),DYAGALA.DEEPIKA(19GN1R0015), MADAGANI.VENNELA(19GN1R0060),BARLA.RAM(19GN1R0075)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PRO.

THATIKAYALA MAHENDER, M.Pharm. (Ph. D).

ABDULLAPUR

Assistant Professor Department of Pharmaceutical Chemistry



AVANTHI PHARMACEUTICAL SCIENCES Arctivetty A. C. I. Rec. privetty Gover 14 P. & Attinue to 2000 rule abou Gunthapaliy(V), Abduiliapurmet(M), R. R. Dist. Near Ramoji Filmcity, Hyderabad Date: 28/06/2023

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PRINCPIAL TEOF SCIENCES Dr. Kavati Balaj Abdullapurmet (M (M.PharmurPhaD,) Dist. Telangana

08415-261165

Avanthi Institute of Pharmaceutical Sciences

08415-261165 08415-329455



Date 28/06/2023

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EXTERNAL EXAMINER



We here by declared that the thesis, entitled "DEVELOPMENT AND VALIDATION OF A RP-HPLC METHOD FOR SIMULATANEOUS DETERMINATION OF ELBASVIR AND GRAZOPREVIR IN PURE AND PHARMACEUTICAL

DOSAGE FORM" which is being submitted by

"MS. A.ARUNA (19GN1R0003) MS. K.VIJAYA LAXMI (19GN1R0024) Ms. NAKHILA (19GN1R0093) Mr. S.VINAY CHARY(19GN1R0094)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mrs. V. KAVITHA, M.Pharm, (Ph. D), Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: 6 purthapally

PRINCIPAL

AVANTH

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M) R.R. Dist. Talandana.

INSTITUTE OF

Ms. A.ARUNA - A. Aura (19GN1R0003) MS. K. VIJAYA LAXMI (C. Vijayalesani (19GN1R0003) MS. N.AKIIILA N. Athi lo (19GN1R0093) (19GNIK0095) Mr. S.VINAY CHARY S. Vinay (19GN1R0094) OF PHARMACE

ABDULLAPUP



Date 28 06 2023

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND VALIDATION OF A RP-HPLC METHOD FOR SIMULATANEOUS DETERMINATION OF ELBASVIR AND GRAZOPREVIR IN PURE AND submitted by PHARMACEUTICAL DOSAGE FORM" which is being "Ms.A.ARUNA(19GN1R0003), Ms.K.VIJAYALAXMI(19GN1R0024).

Ms.N.AKHILA(19GN1R0093), Mr.S.VINAYCHARY(19GN1R0094)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PRINCIPAL

VANTH

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

INSTITUTE OF

Jon 2816/23

PROJECT GUIDE

PHARMA

Mrs. V.KAVITHA, M. Pharm., (Ph D) Assistant Professor Department of Pharmaceutical Analysis & Quality Assurance Avanthi Institute of Pharmaceutical Sciences



Date 28/06/2023

09415-261165

ENDORSEMENT BY THE PRINCIPAL

This dissertation entitled is to certify that the thesis 1 **"DEVELOPMENT AND VALIDATION OF A RP-HPLC METHOD FOR** SIMULATANEOUS DETERMINATION ELBASVIR AND OF GRAZOPREVIR IN PURE AND PHARMACEUTICAL DOSAGE FORM"

which is being submitted by

Ms.A.ARUNA(19GN1R0003), Ms.K.VIJAYALAXMI(19GN1R0024),

Ms.N.AKHILA(19GN1R0093), Mr.S.VINAVCHARY(19GN1R0094)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of Bonafede work carried out by them at our organization



PRINCPIAL

AVANTH! INSTITUTE OF Dr. K. BALAJI, PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M) M.Pharm., Ph.D, R.R. Dist. Telangana.

Avanthi Institute of Pharmaceutical Sciences.

C. 08415-261165 08415-329455



CERTIFICATE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND VALIDATION OF A RP-HPLC METHOD FOR SIMULATANEOUS DETERMINATION OF ELBASVIR AND GRAZOPREVIR IN PURE AND PHARMACEUTICAL DOSAGE FORM" which is being submitted by Ms.A.ARUNA(19GN1R0003),Ms.K.VIJAYALAXMI(19GN1R0024), Ms.N.AKHILA(19GN1R0093),Mr.S.VINAYCHARY(19GN1R0094) in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

PRINCIPAL INSTITUTE OF AVANTH PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

EXTERNAL EXAMINER



We here by declared that the thesis, entitled "ANTI DIABETIC AND ANTIOXIDANT EFFECTS OF MARSDENIA BRAVIFOLIA LEAVES INDUCED DIABETIC RAT which is being submitted by "KUMMARI GAYATHRI (19GN1R0029) NALLA AKHIL KUMAR (19GN1R0090) NARAYANRAOPET SHARAYNA (19GN1R0091) VALLABHUDAS SHIVA GANESH (19GN1R0099)" in partial fulfillment of the requirements for the Award of DACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr.P.NAGARAJU, M.Pharm, Associate Professor, Department of Pharmacology. This work is original and has been not submitted for any degree / diploma of this or any other university.

Dato: Placo:

KUMMARI GAYATHRI K. Gayfatti (19GN1R0029) NALLA AKHIL KUMAR N.AKHI (19GN1R0090) NARAYANRAOPET SHARAYNA N.Shavanya (19GN1R091) VALLABHUDAS SHIVA GANESH V. Shiva Garey (19GN1R0099)

PRINCIPAL ITUTE EUTICAL SCIENCES Abdullapurmet (M). AVANTH R.R. Dist. Gunthap





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CERTIFICATE BY THE GUIDE

This is to certify that thethesis/dissertationentitled"ANTI DIABETIC AND ANTIOXIDANT EFFECTS OF MARSDENIA BRAVIFOLIA LEAVES INDUCED DIABETIC RAT which is being submitted by" KUMMARI GAYATHRI (19GN1R0029) NALLA AKHIL KUMAR (19GN1R0090) NARAYANRAOPET SHARAYNA (19GN1R0091) VALLABHUDAS SHIVA GANESH (19GN1R0099) " in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PRINCIPAL INSTITUTE OF AVANTH! PHARMACEUTICAL SCIENCES Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

Mr P. NAGARAGU, M. Pharm Associate Professor Department of Pharmacology Avanthi Institute of Pharmaceutical Sciences

(08415 261185 08415 120455



Dale

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled

"ANTIDIABETIC AND ANTIOXIDANT EFFECTSOFMARSDENIA BRAVIFOLIA LEAVES IN ALLOXAN INDUCED DIABETIC RAT" which is being submitted by "Ms. KUMMARI GAYATHRI (19GN1R0029) Mr. NALLA AKHILKUMAR (19GN1R0090) Ms. NARAYANRAOPET SHARANYA (19GN1R0091) Mr. VALLABHUDAS SHIVAGANESH (19GN1R0099)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCPIAL PRINCPIAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Dr.K.Balaji, M.Pharm, PBJ3thapally (V), Abdullapurmet (M). R.R. Dist. Telangana.

Avanthi Institute of Pharmaceutical Sciences.



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Date:

CERTIFICATE

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PRINCIPAL INSTITUTE OF AVANTH PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.





We here by declared that the thesis, entitled "FORMULATION AND EVALUATION OF DIAZEPAM FLOATING MICROSPHERES" which is being submitted by "Ms. G.SRAVANI (19GN1R0018) Ms. G.SUPRIYA (19GN1R0020) Mr. J. RAMESH (19GN1R0021) Ms. K.JHANSI (19GN1R0023)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mrs. P. LAVANYA, M.Pharm., Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28--06-2023 Place:Hyderabad

> Ms. SRAVANI (19GN1R0018) Ms. SUPRIYA (19GN1R0020) Mr. RAMESH (19GN1R021) Ms.JHANSI (19GN1R0023)

PRINCIPAL AVANTH! **INSTITUTE OF** PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.





Date: 98-06-2023

CERTIFICATE BY THE GUIDE

This is to certify that the thesis/dissertation entitled "FORMULATION AND EVALUATION OF DIAZEPAM FLOATING MICROSPHERES" which is being submitted by Ms. SRAVANI (19GN1R0018) Ms. SUPRIYA (19GN1R0020) Mr. RAMESH (19GN1R021) Ms. JHANSI (19GN1R0023)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE

Mrs. P. LAVANYA, M. Pharm., Associate Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences

PRINCIPA INSTITUTE OF AVANTH! PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

:





Date: 28.06-2023

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "FORMULATION AND EVALUATION OF DIAZEPAM FLOATING MICROSPHERES" which is being submitted by Ms. SRAVANI (19GN1R0018) Ms. SUPRIYA (19GN1R0020) Mr. RAMESH (19GN1R0021) Ms. JHANSI (19GN1R0023)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCPIAL

Dr. K. BALAJI, M.Pharm., Ph.D, Avanthi Institute of Pharmaceutical Sciences.

Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

itmet (M).



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Date: 28-06-2023

CERTIFICATE

This is to certify that the thesis / dissertation entitled "FORMULATION AND EVALUATION OF DIAZEPAM FLOATING MICROSPHERES" which is being submitted by "Ms. SRAVANI (19GN1R0018) Ms. SUPRIYA (19GN1R0020) Mr. RAMESH (19GN1R0021) Ms. JHANSI (19GN1R0023) " in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

9 28.6.23 EXTERNAL EXAMINER

PRINCIPAL INSTITUTE OF AVANTH PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

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We here by declared that the thesis, entitled "EXTRACTION AND EVALUATION OF ANTI-MICROBIAL ACYIVITY OF MITRAGYNA PARVIFOLIA (ROXB). Which is being submitted by "Ms.P.NIKHILA(19GN1R0042), Ms.P.SINDHU(19GN1R0043), Mr.PATHURI.PRANAY.(19GN1R0044), Ms.RIZWANABEGUM (19GN1R0047)" in partial fulfilment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, TELANGANA(500013), is the result of investigation carried out by me under the guidance of Mr. P.V.PAVAN KUMAR, M.Pharm, Assisstant Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28-06-23, Place: Hyderabod.







Date 28/06/23

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled " EXTRACTION AND EVALUATION OF ANTI-MICROBIAL ACTIVITY OF MITRAGYNA PARVIFOLIA (ROXB), " which is being submitted by Ms.P.NIKHILA (19GN1R0042). Ms.P.SINDHU (19GN1R0043), Mr. PATHURI.PRANAY (19GN1R0044).Ms.RIZWANABEGUM (19GN1R0047)" in partial fulfilment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE Mr. P.V. PAVAN SIR, M. Pharm, Assistant Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL

PRINCIPAL PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES Ounthapally (V). Abdullapurmet (M); R.R. Dist. Telangana.



AIPS, DEPARTMENT OF PHARMACEUTICS



Date 28/06/23

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "EXTRACTION **EVALUATION OF ANTI-MICROBIAL ACTIVITY OF MITRAGYNA** PARVIFOLIA(ROXB)." Which is being submitted by MS. P.NIKHILA (19GN1R0042), Ms.P.SINDHU(19GN1R0043), MR.PATHURI.PRANAY (19GNR0044), Ms. RIZWANABEGUM (19GN1R0047)." in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization.

PRINCPIAL

Dr. KAVETI BALAJI SIR

PRINCIP

VANTH!

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

INSTITUTE OF

M.Pharm., Ph.D

Avanthi Institute of Pharmaceutical sciences Avanthi :-Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

AIPS, DEPARTMENT OF PHARMACEUTICS

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Date 28/6/23

CERTIFICATE

This is to certify that the thesis / dissertation entitled " EXTRACTION AND EVALUATION OF ANTI-MICROBIAL AVTIVITY OF MITRAGYNA PARVIFOLIA(ROXB)" which is being submitted by "Ms.P.NIKHILA. (19GN1R0042), Ms.P.SINDHU(19GN1R0043), Mr.PATHURI.PRANAY. (19GN1R0044). MS.RIZWANABEGUM (19GN1R0047)"in partial fulfilment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them.

2816/23 :

EXTERNAL EXAMINER

STITUTE OF PHARMACEUTICAL SCIENCES VANTH Sunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.

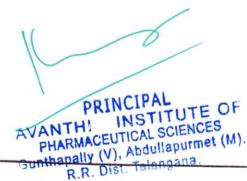


AIPS, DEPARTMENT OF PHARMACEUTICS

We here by declared that the thesis, entitled " PREPARATION AND EVALUATION NANO PRECIPITATION DOCETAXEL NANOCRYSTALS OF BY METHOD" which is being submitted by "Ms.BIRADAR BINDU (19GN1R0007) Mr. BOLLA SAI TEJA (19GN1R0008) Ms. CHENNALA VAISHNAVI REDDY (19GN1R010) Ms. CHINNA BEERA PRATHYUSHA (19GN1R0011)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S (500085), is the resultof investigation carried out by me under the guidance of Dr. B. MANJULA, M.Pharm, Ph. D. Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28-06-2023 Place: Gunthapally

> Ms.BIRADAR BINDU B.Bindu (19GN1R0007) Mr. BOLLA SAI TEJA B. Sai Tela (19GN1R0008) Ms. CHENNALA VAISHNAVI REEDY Jour Annal. (19GN1R010) Mr. CHINNA BEERA PRATHYUSHA prothyusha (19GN1R0011)







CERTIFICATE BY THE GUIDE

This is to certify that the thesis/dissertation entitled "PREPARATION AND EVALUATION OF DOCETAXCEL NANO CRYSTALS BY NANO PRECIPITATION METHOD" which is being submitted by"Ms.BIRADAR BINDU(19GN1R0007) Mr. BOLLA SAI TEJA (19GN1R0008) Ms. CHENNALA VAISHNAVI REDDY (19GN1R010) Ms. CHINNA BEERA PRATHYUSHA (19GN1R0011)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE

Dr. B. MANJULA, M. Pharm., Ph D Associate Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL INSTITUTE OF

:

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), B B Dist Telangana.

08415-261165 C 08415-329455 ISTITUTE Ir **RMACEUTICAL SCIENCES** 11 Recognised by Govt of A.P. & Affiliated to J.N.T.U. Hyderabad) Gunthapally(V), Abdullapurmet(M), R. R Dist, Near Ramoji Filmcity, Hyderabad Date: 28/36

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled PREPARATION AND EVALUATION OF NANO CRYSTALS BY NANO PRECIPITATION METHOD " which is being submitted by "Ms.BIRADAR BINDU (19GN1R0007) Mr. BOLLA SAI TEJA (19GN1R0008) Ms. CHENNALA VAISHNAVI REDDY (19GN1R010) Ms. CHINNA BEERA PRATHYUSHA (19GN1R0011)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCPIAL

Dr. K.BALAJI, M.Pharm., Ph.D, Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapelly (V), Abdullapurmet (M' R.R. Dist. Telanosna.





CERTIFICATE

This is to certify that the thesis / dissertation entitled "PREPARATION AND EVALUTION OF DOCETAXEL NANO CRYSTALS BY NANO PRECIPITATION METHOD" which is being submitted by "Ms.BIRADAR BINDU (19GN1R0007) Mr. BOLLA SAI TEJA (19GN1R0008) MS. CHENNALA VAISHNAVI REDDY (19GN1R010) Ms. CHINNA BEERA PRATHYUSHA (19GN1R0011)" in partial fulfillment of the requirement for the award of degree of BACHELOR OFPHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

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EXTERNAL EXAMINER

PRINCIPAL

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Ounthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



We here by declared that the thesis, entitled "ANTIULCER ACTIVITY AND TOXICITY STUDIES OF HEMIDESMUS INDICUS ROOT EXTRACT ON ALCOHOL INDUCED GASTRIC ULCER IN ALBINOWISTAR RATS

"which is being submitted by "Mr.KETHEPALLI RAKESH(19GN1R0028) Ms. MALE SHIVANI (19GN1R0035)Ms.THOTA SINDHUJA(19GN1R0056)Ms.BELL NIHARIKA

(19GN1R0076)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S (500085), is the result of investigation carried out by me under the guidance of Mrs. A.Sruthi M.Pharm, Pharmacology Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: 28/06/2023 Grielothapally

Mr.K.RAKESH K.Rakesh (19GN1R0028) Ms. M.SHIVANI MI-shivanif (19GN1R0035) Ms. T.SINDHUJA T.Sindhuja (19GN1R0056) Ms.B.NIHARIKAB-Neharikaf (19GN1R0076)





C 08415-261165 08415-329455



Day: 52/06/0000

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "ANTIULCER ACTIVITY AND TOXICITY STUDIES OF HEMIDESMUS INDICUS ROOT EXTRACT ON ALCOHOL INDUCED GASTRIC ULCER IN

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"(19GN1R0028), Ms. M. SHIVANI (19GN1R0035), Ms. T. SINDHUJA (19GN1R0056),

Ms.B.NIHARIKA(19GN1R0076)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE

Mrs. AMRUTHAM SRUTHI. M. Photon Associate Professor Department of Pharmacology Avanthi Institute of Pharmaceutical Sciences



PRINC

:

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Date: 22/06/3093

08415-261165

ENDORSEMENT BY HEAD OF THE DEPARTMENT

This is to certify that the thesis / dissertation entitled "ANTIULCER ACTIVITY AND TOXICITY STUDIES OF HEMIDESMUS INDICUS ROOT EXTRACT ON ALCOHOL INDUCED GASTRIC ULCER IN ALBINO WISTAR RATS" which is being submitted Mr.K.RAKESH (19GN1R0028),Ms.M.SHIVANI(19GN1R0035),Ms.T.SINDHUJA(19GN1R0056)),Ms.B.NIHARIKA (19GN1R0076)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

M·R·K HEAD OF THE DEPARTMENT

Dr.MUNGI RAMAKRISHNA

M.Pharm., Ph.D,

Avanthi Institute of Pharmaceutical Sciences.



PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

0 08415-261165 08415-329455



Date: 08/06/2023

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "ANTIULCER ACTIVITY AND TOXICITY STUDIES OF HEMIDESMUS INDICUS ROOT EXTRACT ON ALCOHOL INDUCED GASTRIC ULCER IN

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Avanthi Institute of Pharmaceutical Sciences.



CERTIFICATE

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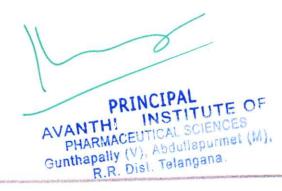
PRINCIPAL INSTITUTE OF VANTH! PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

:



We here by declared that the thesis, entitled" FORMULATION AND EVALUATION OF REPAGLINIDE EFFERVESCENT FLOATING TABLETS "which is submittedby"Ms.N.INDRAJA(19GN1R0039),Mr.K.KALVAN(19GN1R0027),Ms. L.HARIKA(19GN1R0031)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S (500085), is the result of investigation carried out by me under the guidance of Dr. V.ANUDEEP Pharm.D Assistant Professor, Department of Pharmacy practice Avanthi Institute of Pharmaceutical Sciences. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28-6-2023 Place: Hyderobad



MS.NALLA INDRAJA (19GNIR0039) N.Indraja

(19GNIR0027) toupant

Ms.LAKKAM HARIKA (19GNIR0031) L.HORKA

PHARMACA

ABDULLAPUP



Date: 28-06-2023

CERTIFICATE BY THE GUIDE

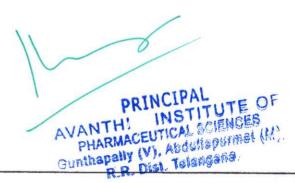
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PROJECT GUIDE

Dr.V.ANUDEEP, Pharm.D Assistant Professor Department of Pharmacy Practice Avanthi Institute of Pharmaceutical Sciences

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ABDULLAPI



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Date 28-06-2025

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled"FORMULATION AND EVALUATION OF REPAGLINIDE EFFERVESCENT FLOATING TABLETS" which is being submitted by Ms.N.INDRAJA (19GN1R0039) , Mr.K.KALYAN(19GN1R0027), Ms.L.HARIKA (19GN1R0031) " in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH PRINCPIAL Gunthapally (V), Abdullapurmet (M)



Dr. K.BALAJI, M.Pharm., Ph.D.

Avanthi Institute of Pharmaceutical Sciences.

R.R. Dist. Telangana.

PRINCIPAL AVANTHI ENSTITUTE OF PHARMAGEUTICAL SCIENCES Gunthapally (Vill). Addullapurmet (Mindl), R.R. Dist.



CERTIFICATE

This is to certify that the thesis / dissertation entitled "FORMULATION AND EVALUATION OF REPAGLINIDE EFFERVESCENT FLOATING TABLETS" Which is being submitted by"Mr.K.KALYAN(19GN1R0027) Ms.N.INDRAJA(19GN1R0039),Ms.L.HARIKA (19GN1R0031) "in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

EXTERNAL EXAMINER

Date: 28-06-2023

SCIENCES Abdullapurmet (M) Edinana ana pally

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We here by declared that the thesis, entitled "FORMULATION AND EVALUATION OF HERBAL FACE CREAM "which is being submitted by "Mr.KAMITIKARI ARJUN (19GN1R0025) Mr.KANNA MADHU (19GN1R0026) Ms. KURMA NAVYASRI. (19GN1R0030) Ms. ABBANABOINA SRAVYA SRI (19GN1R0032)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Dr.K.BALAJI, M.Pharm, Ph.d. Professor, Department of Pharmacognosy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Dist. Telangana

Date: 28/6/2023 Place: Gunthapally.

Mr.KAMITIKIRI ARJUN K. Azjur Mr. KANNA MADHU K. Madhu (19GN1R0026) K. Naujasi Ms. KURMA NAVYASRI (19GN1R0030) Ms.ABBANABOINA SRAVYA SRI Abdullapurmet (M), METITUTE OCHOGNIR0032) A. Srawa St OF THEN STO



Date:

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CERTIFICATE BY THE GUIDE

This is to certify that the thesis/dissertation entitled **"FORMULATION AND EVALUATION OF HERBAL FACE CREAM** which is being submitted by Mr.KAMITIKARI ARJUN (19GN1R0025) Mr.KANNA MADHU (19GN1R0026) Ms. KURMA NAVYASRI. (19GN1R0030) Ms. ABBANABOINA SRAVYA SRI (19GN1R0032)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.



Dr. K.BALAJI, M.Pharm., Ph.D,

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Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Date: _____

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PRINCPIAL

Dr. K.BALAJI,

PRINCIPAL AVANTH' INSTITUTE OI PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

M.Pharm., Ph.D,

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PRINCIPAL AVAILTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Isonthopally (VIII), Abdulispurnet (Madi), R.R. Dist.





Date: _

CERTIFICATE

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28/5/23

EXTERNAL EXAMINER

ADULLAY



We here by declared that the thesis, entitled "EVALUATION OF ANTI CANCER ACTIVITY OF NIGELLA SATIVA STEM EXTRACT BY INHIBITION OF CELL PROLIFERATION" which is being submitted by "Ms. GANDRATH SHARANYA (19GN1R0017) Mr. S VISHWAJITH VARMA (19GN1R0049) Mr. SHARAN BABU (19GN1R0069) Mr. MALA MANOJ KUMAR (19GN1R0088)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr. K. BHANU PRASAD GANTA POGU, M.Pharm, M.S.W and HR, Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/23 Place: Gunthapally

Gisharance	Ms. GANDRATH SHARANYA
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U	(19GN1R0049)
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Date: 28/6/23

CERTIFICATE BY THE GUIDE

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Katt

PROJECT GUIDE Mr.K. BHANUPRASAD GANTA POGU M.PHARM,M.S.W,HR Associate Professor Department of pharmacy practice Avanthi institute of pharmaceutical sciences

PRINCIPAL INSTITUTE PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M),



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PRINCPIAL

DR.K. BALAJI, M.PHARM., PH.D

Date: 28

Avanthi Institute Of Pharmaceutical sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Currthapelly (V), Abdullapurmet (M



Date: 28

CERTIFICATE

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EXTERNAL EXAMINER

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Date: 28 06 2023

ENDORSEMENT BY THE PRINCIPAL

dissertation entitled This certify that the thesis / is to "DEVELOPMENT AND CHARACTERIZATION OF FROVATRIPTAN TRANSDERMAL PATCHES" which is being submitted by Ms. MAISAGONI SOUMYA (19GN1R0034) Mrs. GADDAM SNEHA (19GN1R0046) Mr. SIRIPANGI GOPICHAND (19GN1R0053) Mr. UMESH KUMAR JOSHI (19GN1R0098)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

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PRINC EOF PRINCPLAL PHARMACEUTICAL SCIENCES AVANTH! M.Pharm., Ph.D, Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana. Avanthi Institute of Pharmaceutical Sciences.



Date: 28

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Gunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana.

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EXTERNAL EXAMINER



We here by declared that the thesis, entitled "EVALUATION OF ANTI DIABETIC ACTIVITY OF TRIGONELLA FOENUM GRAECUM LEAVES IN ALLOXIN INDUCED TYPE-II DIABETES" which is being submitted by "SAPIDI SHIVANI (19GN1R0051), SHAIK KHAJABABA (19GN1R0052), SURYAVANSHI PRIYA (19GN1R0054), THAVITI ARCHANA (19GN1R0055) "in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of ADLA SANGEETHA Assistant Professor, Department of pharmacology. This work is original and has been not submitted for any degree / diploma of this or any other university.

28/06/2023 Gunthapally Date: Place:

PRINCIPAL ITUTE OF SCIENCES AVANTH Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana

S. Shivani Ms. SAPIDI SHIVANI (19GN1R0051) Mr. SHAIK KHAJABABA (19GN1R0052) Ms. SURYAVANSHI PRIYA (19GN1R0054) T. Archana Ms. THAVITI ARCHANA (19GN1R0055)



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CERTIFICATE BY THE GUIDE

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PROJECT GUIDE

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MS. ADLA SANGEETHACH. Pharm. Assistant Professor Department of pharmacology Avanthi institute of Pharmaceutical Sciences



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PHARMACEU CAR POIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

08415-261165 08415-329455 ISTITUTE Ir PHARMACEUTICAL SCIENCES Approved by AICTE Recognised by Govi of A.P. & Affinated to J.N.T.U. Hyderabad) Gunthapally(V), Abdullapurmet(M), R. R Dist, Near Ramoji Filmcity, Hyderabad Date: 28 06 2023

ENDORSEMENT BY THE PRINCIPAL

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PRINCPIAL

Dr.K. BALAJI, M.Pharm., Ph.D, Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Tolangana.

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Date: 28. 01. 2023

CERTIFICATE

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EXTERNAL EXAMINER



PRINCI EOF AL SCIENCES AVANTH Sunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.

DECLARATION

We here by declared that the thesis, entitled "ENHANCEMENT OF DISSOLUTION RATE OF POORLY SOLUBLE BSC CLASS- II DRUG NEBIVOLOL HYDROCHOLORIDE BY NANO SUSPENSION TECHNOLOGY "which is being submitted by "Mr.A DHARMATEJA (19GN1R0001) Mr. A VENKATESH (19GN1R0002) Ms. ATHARI PAVANI (19GN1R0004) Mr.B HARISH KUMAR (19GN1R0006)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Mr.J.VENKAT RAJ KUMAR, M.Pharm, Associate Professor, Department of Pharmaceutics. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: GUNDALLY



Mr.A DHARMATEJA & Dhosen (19GN1R0001) Mr. A VENKATESHA Venkatest (19GN1R0002) Ms. ATHARI PAVANI pouranif (19GN1R0004) Mr. B HARISH KUMAR B, Homst (19GN1R0006)

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Date: 28/06/2023

CERTIFICATE BY THE GUIDE

This entitled is to certify that the thesis/dissertation **"ENHANCEMENT OF DISSOLUTION RATE OF POORLY SOLUBLE BSC** CLASS -II DRUG NEBIVOLOL HYDROCHOLORIDE BY NANO **TECHNOLOGY**" SUSPENSION which is being submitted by "Mr.A DHARMATEJA (19GN1R0001) Mr. A VENKATESH (19GN1R0002) (19GN1R0004) Mr.B HARISH KUMAR Ms. ATHARI PAVANI (19GN1R0006)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUI

Mr.J.VENKAT RAJ KUMAR, M. Pharm. Associate Professor Department of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences



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AVANTH! INSTITUTE OF PHARMACEUT GAL SCIENCES Punthapally (V), Abdullapurmet (M) R.R. Dist. Telangana.

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Dale 28/06/2023

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PRINCPIAL PRINCIPAL AVANTH! INSTITUTE OF Dr. K.BALAJI, PHARMACEU CAL SCIENCES M.Pharm., Ph.D, Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

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08415.261165 08415-329455 AVANTH INSTITUTE OF PHARMACEUTICAL SCIENCES CONTRACTOR AT LONG TO S N T L Gunthapalis(V), Abdullacurmet(M), R. R.Dist. Near Ramoji Filmcity, Hyderabad

Date: 28/06/2023

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16/22 EXTERNAL EXAMINER



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PRINCIPAL INSTITUTE OF AVANTH PHARMACEUTICAL SCIENCES Sunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana

DECLARATION

declared that the "DEVELOPMENT by thesis, entitled AND We here CHARCTERIZATION OF RITONAVIR LOADED NANO PARTICLES" which is being submitted by "Ms. MUKURALA SWATHI (19GN1R0064) Ms. MUTHYALA (19GN1R0065) SHIREESHA Ms. RAJAMGARI **KEERTHI** REDDY (19GN1R0068) Mr. SRILOJU ANILCHARY (19GN1R0070)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S. (500085), is the result of investigation carried out by me under the guidance of Mrs. L. VARALAKSHMI M .Pharm, Associate Professor, Department of Pharmacy. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: Hyderalad

Ms. MUKURALA SWATHI	M. Swathi
(19GN1R0064)	doute
(19GN1R0064) Ms. MUTHYALA SHIREESH	A Shirley
(19GN1R0065) Ms. RAJAMGARI KEERTHI	REDDY-Keerthi
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(19GN1R008) Mr. SRILOJU ANILCHARY (19GN1R0070)	dially



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DATE: 26/06/23

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND CHARACTERIZATION OF RITONAVIR LOADED NANO PARTICLES" which is being submitted by Ms. MUKURALA SWATHI MUTHYALA (19GN1R0064) Ms. SHIREESHA (19GN1R0065) Ms. RAJAMGARI KEERTIII REDDY (19GN1R068) Mr. SRILOJU ANILCHARY (19GN1R0070)" in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PRINCIPAL UTE OF SCIENCES AVANTH Sunthapally (V), Abdullapurmer (M) R.R. Dist. Telangana

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Mrs. L. VARALAKSHMI, M. Pharm. Associate Professor Department of Pharmaceutics Avanthi Instants of Pharmaceutical Sciences





Date: 28/06/2023

ENDORSEMENT BY THE PRINCIPAL

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PRINCIPAL PRINCPIAL TUTE OF AVANTH SCIENCES Gunthapally (V), Abdullapurmet (M), Dr. K. BALAJI, R.R. Dist. Telangana. M.Pharm., Ph.D. Avanthi Institute of Pharmaceutical Sciences.

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28/6/23

EXTERNAL EXAMINER



:

PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH Sunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana

DECLARATION

We here by declared that the thesis, entitled " SYNTHESIS AND EVALAUTION OF THIAZOLIDINONE OF ACTIVITIES ANTICANCER IN-VITRO DERIVATIVES" which is being submitted by us "Mr. CHOWHAN SETHRAM (19GN1R0013) AAKARSHA DEVULAPALLY (19GN1R0012)Ms. ERROJULA (19GN1R0014) Mr. SANJANI RAMYA Ms.DHORETI AVINASH (19GN1R0016)" in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, T.S (500085), is the result of investigation carried out by me under the guidance of Mrs .G.SWAPNA M. Pharm. Associate Professor, Department of Pharmaceutical chemistry. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: Hyderabad

Mr. CHOWHAN SETHRAM (19GN1R0012) CH. Seetharam Ms. DEVULAPALLY AAKARSHA (19GN1R0013) D. Aakansha Ms.DHORETI RAMYA SANJANI (19GN1R0014) D. Ramya Sanjam Mr. ERROJULA AVINASH (19GN1R0016) F. Animash



PRINCIPAL UTE OF SCIENCES AVANTH Bunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana.



CERTIFICATE BY THE GUIDE

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PROJECT GUIDE Mrs. G. SWAPNA M. Pharm. Associate Professor Department of Pharmaceutical chemistry Avanthi Institute of Pharmaceutical Sciences

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ENDORSEMENT BY THE PRINCIPAL

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"SYNTHESIS AND EVALAUTION OF IN-VITRO ANTICANCERACTIVITIES OF THIAZOLIDINONE DERIVATIVES" "which is being submitted by "Mr. CHOWHAN SETHRAM (19GN1R0012) MS. DEVULAPALLY AAKARSHA (19GN1R0013) Ms.DHORETI RAMYA SANJANI (19GN1R0014) Mr. ERROJULA AVINASH (19GN1R0016)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization.

PRINCPIAL

Dr. Kaveti balaji

M.Pharm., Ph.D.

Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abduilapurmet (M), R.R. Dist. Telangana.





This is to certify that the thesis / dissertation entitled "SYNTHESIS AND EVALUATION OF IN-VITRO ANTICANCER ACTIVITIES OF THIAZOLIDINONE DERIVATIVES" which is being submitted by "Mr. CHOWHAN SETHRAM (19GN1R0012) MS. DEVULAPALLY AAKARSHA(19GN1R0013), Ms. DHORETI RAMYA SANJANI (19GN1R0014), Mr. ERROJULA AVINASH (19GN1R0016)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them.

2816123 EXTERNAL EXAMINER

oduilapurmet (M).

Telangana

Bunthapa



:

DECLARATION

We here by declared that the thesis, entitled "PREPARATION AND EVALUATION OF HERBAL TEA POWDER" which is being submitted by "Ms.NARWA RUCHA(19GN1R0040) Ms.VEMULA UMADEVI (19GN1R0057) Ms. PATHARALA NIKITHA (19GN1R0066) Ms. ISAPRE SUPRIYA (19GN1R0084) "in partial fulfillment of the requirements for the Award of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological University Hyderabad, A.P (500085), is the result of investigation carried out by me under the guidance of Dr. K.Balaji M. Pharm., Ph. D Professor, Department of Pharmacognosy and phytochemistry. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 28/06/2023 Place: Gunthapally

> Ms. NARWA RUCHA N. Rucha (19GN1R0040)

Ms. VEMULA UMADEVI (100madevi (19GN1R0057)

Ms. PATHARALA NIKITHA P.Nikitha. (19GN1R0066)

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(19GN1R0084)

AVANTHI PHARMACEUTICAL SCIENCES

Dale 88 6 2023

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CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "PREPARATION AND EVALUATION OF HERBAL TEA POWDER" which is being submitted by Ms. NARWA RUCHA(19GN1R0040) Ms. VEMULA UMADEVI (19GN1R0057) Ms. PATHARALA NIKITHA (19GN1R0066) Ms. ISAPRE SUPRIYA (19GN1R0084) "in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy to Jawaharlal Nehru Technological university Hyderabad is a record ofbonafide work carried out by them under my guidance.

: PRINCIPAL INSTITUTE OF AVANTH PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M). **PROJECT GUIDE** R.R. Dist. Telangana.

Mr.Dr. K.Balaji, M. Pharm., Ph. D

Professor and principal Department of Pharmacognosy and Phytochemistry, Avanthi Institute of Pharmaceutical Sciences



C 08418-261165 08415-120455



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "PREPARATION AND EVALUATION OF HERBAL TEA POWDER" which is being submitted by Ms. NARWA RUCHA (19GN1R0040) Ms. VEMULA UMADEVI (19GN1R0057) Ms. PATHARALA NIKITHA (19GN1R0066)Ms. ISAPRE SUPRIYA (19GN1R0084)" in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCPIAL



Dr.K. BALAJI, M.Pharm., Ph.D,

Avanthi Institute of Pharmaceutical Sciences. PRINCIPAL AVANTHI INSTITUTE OF AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES PHARMACEUTICAL SCIE

08415-261165



CERTIFICATE

This dissertation entitled is certify that the thesis / to "PREAPARATION AND EVALUATION OH HERBAL TEA POWDER" which is being submitted by "Ms. NARWA RUCHA (19GN1R0040) Ms. VEMULA UMADEVI (19GN1R0057) Ms. PATHARALA NIKITHA (19GN1R0066) Ms. ISAPRE SUPRIYA (19GN1R0084)"in partial fulfillment of the requirement for the award of degree of BACHELOR OF PHARMACY to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them .

×16/23 EXTERNAL EXAMINER

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PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTH Sunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.



CERTIFICATE BY THE GUIDE

This to certify that the project work titled **"A PROSPECTIVE OBSERVATIONAL STUDY ON THE ASSESSMENT OF ANTIMICROBIALS IN LOWER RESPIRATORY TRACT INFECTIONS"** submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by JUMALA YOGITHA (18GN1T0023), VANKESHWARAM SAI PRASANNA (18GN1T0025), KANDIKONDA SAI ALEKHYA (18GN1T0026), KALYANKAR NANDINI (17GN1T0020) during academic year 2022-2023, under my supervision and guidance.

Place: Hyderabad

Guides:

Dr. AYESHA BINTH SALEH

Pharm D, R. Ph Associate Professor Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Abdullapurmet, Telangana, 501512

Signat

EOF SCIENCES VANTH (V), Abdullapurmet (M), PHARM R.R. Dist. Telangana. Gunthapaliy



GLENEAGLES GLOBAL HOSPITALS Gleneagles Global Hospitals, 08-16-01 Sagar Road, Saroornagar, Hyderabad, Telangana.

CERTIFICATE

This is to certify that JUMALA YOGITHA[18GN1T0023], VANKESHWARAM SAI PRASANNA[18GN1T0025], KANDIKONDA SAI ALEKHYA[18GN1T0026], KALYANKAR NANDINI[17GN1T0020] students of 5th Year PharmD (Doctor of Pharmacy) from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled "A PROSPECTIVE OBSERVATIONAL STUDY ON THE ASSESSMENT OF ANTIMICROBIALS IN LOWER RESPIRATORY TRACT INFECTIONS" from September 2022 under my guidance Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

Dr. TAPASWI KRISHNA P

MBBS, MD-PULMONARY MEDICINE PULMONOLOGIST Gleneagles Aware Global Hospitals

Signature







This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL ON THE ASSESSMENT OF ANTIMICROBIALS IN LOWER RESPIRATORY TRACT INFECTIONS" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (PharmD) has been successfully carried out by JUMALA YOGITHA (18GN1T0023), VANKESHWARAM SAI PRASANNA (18GN1T0025), KANDIKONDA SAI ALEKHYA (18GN1T0026), KALYANKAR NANDINI (17GN1T0020) during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Place: Gunthapally

CIENCES hodullapurmet (M), HEAD OF THE INSTITU

Dr. K. BALAJI Gunthapality (V), Andultapana M.Pharm, Ph. D Professor and Principal Avanthi Institute of Pharmaceutical Sciences



Signature:

DECLARATION BY CANDIDATE

We, JUMALA YOGITHA [18GN1T0023], VANKESHWARAM SAI PRASANNA [18GN1T0025], KANDIKONDA SAI ALEKHYA [18GN1T0026], KALYANKAR NANDINI [17GN1T0020], students of fifth year Doctor of Pharmacy (Pharm. D) hereby declare that the research work embodied in this dissertation entitled "A PROSPECTIVE OBSERVATIONAL ON THE ASSESSMENT OF ANTIMICROBIALS IN LOWER RESPIRATORY TRACT INFECTIONS" is original work carried out in Avanthi Institute of Pharmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, under the supervision of Dr.AYESHA BINTH SALEH, from Avanthi Institute of Pharmaceutical Sciences and under the supervision of Dr.TAPASWI KRISHNA P, from Gleneagles Global Hospital and has not been submitted before for the award of any Diploma or Degree of this University or any other University.

Date: 10/4/23 Place: Hyd

> JUMALA YOGITHA [18GN1T0023], VANKESHWARAM SAI PRASANNA [18GN1T0025], KANDIKONDA SAI ALEKHYA [18GN1T0026], KALYANKAR NANDINI [17GN1T0020]



PRINCIPAL ITUTE OF SCIENCES AVANTH! Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL ANTIMICROBIALS IN LOWER ASSESSMENT OF STUDY ON THE **RESPIRATORY TRACT INFECTIONS**" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by JUMALA YOGITHA (18GN110025), PRASANNA VANKESHWARAM SAL (18GN1T0023), SAI ALEKHYA (18GNIT0026), KALYANKAR NANDINI KANDIKONDA (17GN1T0020) during academic year 2022-2023, was found to be satisfactory.

Internal Examiner:



PRINCIPAL INSTITUTE OF CIENCES AVANTH Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

External Ex



CERTIFICATE BY THE GUIDE

This to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON LINICAL SAFETY AND EFFICACY OF ANALGESICS USED IN THE TREATMENT OF SEUROPATHIC PAIN" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial ulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by ODILI VAISHNAVI [Regd.No.18GN1T0015], PUTTA SAITEJA [18GN1T0017], JAWAHAR HOWDARY SUSHMA SWARAJ [18GN1T0018], KASARAMONI SWETHA [18GN1T0019] during ademic year 2022-2023, under my supervision and guidance.

ne: 10 04 2023

Place: Hyderabad

Guide:

Dr. VELPUKONDA ANUDEEP Pharm. D Assistant Professor Department of Pharmacy Practice Avanthi Institute of Pharmaceutical Sciences

Signature





GLENEAGLES GLOBAL HOSPITALS Gleneagles Global Hospitals, 08-16-01, Sagar Road, Saroornagar, Hyderabad, Telangana.

CERTIFICATE

This is to certify that PODILI VAISHNAVI [Regd.no.18GN1T0015], PUTTA SAITEJA [18GN1T0017], JAWAHAR CHOWDARY SUSHMA SWARAJ [18GN1T0018], KASARAMONI SWETHA [18GN1T0019] students of 5th Year Pharm. D (Doctor of Pharmacy) from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled "A **PROSPECTIVE OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANALGESICS USED IN THE TREATMENT OF NEUROPATHIC PAIN**" from September 2022 under my guidance at Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

> Dr. SURESH REDDY CHALLAMALLA MBBS MD (Gen. Med), DM(Neuro) Head of the Department - Neurology Gleneagles Global Aware Hospital





PRINCIPAL SCIENCES Abdullapurmet (M), WANTH R.R. Dist. Talangana. PHARM Junthapally



This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANALGESICS USED IN THE TREATMENT OF NEUROPATHIC PAIN" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by PODILI VAISHNAVI [Regd.No.18GN1T0015], PUTTA SAITEJA [18GN1T0017], JAWAHAR CHOWDARY SUSHMA SWARAJ [18GN1T0018], KASARAMONI SWETHA [18GN1T0019] during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Date: 10 04 2023

Place: Hyderabad.

HEAD OF THE DEPARTMENT:

Dr. B. MANJULA M. Pharm Ph.D. Associate Professor Department Of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences

a Signature:

PHARMACA

ABDININPUR

PRINCIPAL AVANTHI INSTITUTE OF PHARMACTICAL SCIENCES PHARMACTICAL SCIENCES Sunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana,



This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANALGESICS USED IN THE TREATMENT OF NEUROPATHIC PAIN" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by PODILI VAISHNAVI [Regd.No.18GN1T0015], PUTTA SAITEJA [18GN1T0017], JAWAHAR CHOWDARY SUSHMA SWARAJ [18GN1T0018], KASARAMONI SWETHA [18GN1T0019] during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Date: 10 4 2023

HEAD OF THE INSTITUTION: Dr. K. BALAJI M. Pharm, Ph.D. Professor and Principal Avanthi Institute of Pharmaceutical Sciences

Signature:



Place: Hyderabad

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapaliy (V), Abdullapurmet (M), R.R. Dist. Telangana,



This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANALGESICS USED IN THE TREATMENT OF NEUROPATHIC PAIN" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by PODILI VAISHNAVI [Regd.No.18GN1T0015], PUTTA SAITEJA [18GN1T0017], JAWAHAR CHOWDARY SUSHMA SWARAJ [18GN1T0018], KASARAMONI SWETHA [18GN1T0019] during academic year 2022-2023, was found to be satisfactory.

PRINCIPAL

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Funthapally (V), Abdullapurmet (M), R.R. Dist. Telangana

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CERTIFICATE BY THE GUIDE

his to certify that the project work titled **"AN OBSERVATIONAL COHORT STUDY ON CLINICAL AFETY AND EFFICACY OF TICAGRELOR WITH LOW DOSE ASPIRIN FOR THE PREVENTION OF MAJOR ADVERSE CARDIOVASCULAR EVENTS** " submitted to Jawaharlal Nehru 'echnological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy Pharm. D) has been successfully carried out by HIMANGINI MANDAL[Regd.No.18GN1T0008], (AKKIRENI SAI MANASA[Regd.No.18GN1T0009], YELKUR MEGHANA [Regd.No.18GN1T0010], 'AHMINA BEGUM [Regd.No.18GN1T0011] during academic year 2022-2023, under my supervision and uidance.

Place: +lyderabad.



Guide:

Dr. B. MANJULA M Pharm, Ph.D Associate Professor, Dept of Pharmaceutics, Avanthi Institute of Pharmaceutical Sciences

Signature:

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GLENEAGLES GLOBAL HOSPITALS Gleneagles Global Hospitals, 08-16-01, Sagar Road, Saroornagar, Hyderabad, Telangana

CERTIFICATE

This is to certify HIMANGINI MANDAL[Regd.No.18GN1T0008], KAKKIRENI SAI MANASA [Regd.No.18GN1T0009], YELKUR MEGHANA [Regd.No.18GN1T0010], TAHMINA BEGUM [Regd.No.18GN1T0011] students of 5th Year PharmD (Doctor of Pharmacy) from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled **"AN OBSERVATIONAL COHORT STUDY ON CLINICAL SAFETY AND EFFICACY OF TICAGRELOR WITH LOW DOSE ASPIRIN FOR THE PREVENTION OF MAJOR ADVERSE CARDIOVASCULAR EVENTS** " from September 2022 under my guidance at Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

Dr. J. RAJENDRA KUMAR.

MBBS, MD (Medicine), DrNB (Cardiology). Consultant and Interventional cardiologist. Gleneagles Global Hospitals.

Signature:



PRINCIPAL AVANTH' INSTITUTE OF PHARMACEUCICAL SCIENCES PHARMACEUCICAL SCIENCES Nunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



This is to certify that the project work titled "AN OBSERVATIONAL COHORT STUDY ON CLINICAL CAFETY AND EFFICACY OF TICAGRELOR WITH LOW DOSE ASPIRIN FOR THE PREVENTION OF MAJOR ADVERSE CARDIOVASCULAR EVENTS" submitted to Jawaharlal Nehru Technological Jniversity, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by HIMANGINI MANDAL[Regd.No.18GN1T0008], KAKKIRENI SAI MANASA[Regd.No.18GN1T0009],YELKUR MEGHANA[Regd.No.18GN1T0010],TAHMINA BEGUM [Regd.No.18GN1T0011] during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

EOF L SCIENCES HEAD OF THE INSTARUTION Abdullapurmet (M).

Dr. K. BALAJI M. Pharm, Ph. D Professor and Principal Avanthi Institute of Pharmaceutical Sciences Place: Hyderabad



Signature:

DECLARATION BY CANDIDATE

We HIMANGINI MANDAL [Regd.No.18GN1T0008], K.SAIMANASA [Regd.No.18GN1T0009], Y.MEGHANA [Regd.No.18GN1T0010], TAHMINABEGUM [Regd.No.18GN1T0011], student of fifth year Doctor of Pharmacy (Pharm. D) hereby declare that the research work embodied in this dissertation entitled "AN OBSERVATIONAL COHORT STUDY ON CLINICAL SAFETY AND EFFICACY OF TICAGRELOR WITH LOW DOSE ASPIRIN FOR THE PREVENTION OF MAJOR ADVERSE CARDIOVASCULAR EVENTS " is original work carried out in Avanthi Institute of Pharmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, under the supervision of Dr. B. MANJULA, from Avanthi Institute of Pharmaceutical Sciences and under the supervision of Dr. J. RAJENDRA KUMAR, from Gleneagles Global Hospital and has not been submitted before for the award of any Diploma or Degree of this University or any other University.

Date: 3/4/13 Place: Hyderabad

> HIMANGINI MANDAL (18GN1T0008) KAKKIRENI SAI MANASA (18GN1T0009) YELKUR MEGHANA (18GN1T0010) TAHMINA BEGUM (18GN1T0011)



PRINCIPAL

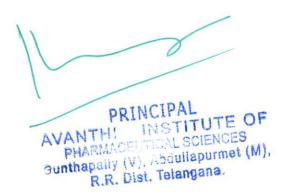
AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapaliy (V), Abdullapurmet (M), R.R. Dist. Telangana.



This is to certify that the project work titled "AN OBSERVATIONAL COHORT STUDY ON CLINICAL SAFETY AND EFFICACY OF TICAGRELOR WITH LOW DOSE ASPIRIN FOR THE PREVENTION OF MAJOR ADVERSE CARDIOVASCULAR EVENTS" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm. D) has been successfully carried out by HIMANGINI MANDAL[Regd.No.18GN1T0008], KAKKIRENI SAI MANASA[Regd.No.18GN1T0009], YELKUR MEGHANA [Regd.No.18GN1T0010], TAHMINA BEGUM [Regd.No.18GN1T0011] during academic year 2022-2023, was found to be satisfactory.

Internal Examiner







Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramojil Filmcity, Hyderabad - 501 512.

04/2023 Date: 1

CERTIFICATE BY THE GUIDE

This to certify that the project work titled "AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS INFECTION" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AAKULA ANUSHA [Regd.No.18GN1T0001], ASAWAR SAI CHANDANA [Regd.No.18GN1T0002], BANDARIPALLI NAVYA SRI [Regd.No.18GN1T0003] during academic year 2022-2023, under my supervision and guidance.

Place: Hyderabad

Guide:

Dr. K. BALAJI

M.Pharm, Ph. D Professor and Principal Department of Pharmacognosy and Phytochemistry. Avanthi Institute of Pharmaceutical Sciences

Signature: PRINCIPA S a source (I. WAN Brsons.



GLENEAGLES GLOBAL HOSPITALS Gleneagles Global Hospitals, 08-16-01, Sagar Road, Saroornagar, Hyderabad, Telangana.

CERTIFICATE

This is to certify that AAKULA ANUSHA [Regd.no.18GN1T0001], ASAWAR SAI CHANDANA [Regd.no.18GN1T0002], BANDARIPALLI NAVYA SRI [Regd.no.18GN1T0003], students of 5th Year Pharm.D (Doctor of Pharmacy) from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled "AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS INFECTION" from September 2022 under my guidance at Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

Dr. CHANDAN KUMAR K.N.

MD (Gen Med), DM (Hepatology). Senior consultant Hepatologist and Lead transplant physician. Gleneagles Global Hospitals.

Signature:

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PRINCIPAL AVANTHI INSTITUTE OF PHARMAGEUTICAL SCIENCES Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



This is to certify that the project work titled "AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS INFECTION" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AAKULA ANUSHA [Regd.no.18GN1T0001], ASAWAR SAI CHANDANA [Regd.no.18GN1T0002], BANDARIPALLI NAVYA SRI [Regd.no.18GN1T0003] during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Place: Hyderabad

HEAD OF THE DEPARTMENT:

Dr. B. MANJULA M.Pharm, Ph. D Associate Professor Department Of Pharmaceutics Avanthi Institute of Pharmaceutical Sciences

Signature:

lanjula.B



PRINCIPA

PRINCIPAL AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Funthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



<u>CERTIFICATE</u>

This is to certify that the project work titled "AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS INFECTION" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AAKULA ANUSHA [Regd.no.18GN1T0001], ASAWAR SAI CHANDANA [Regd.no.18GN1T0002], BANDARIPALLINAVYA SRI [Regd.no.18GN1T0003] during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Place: Hyderabad

HEAD OF THE INSTITUTION:

Dr. K. BALAJI M. Pharm, Ph. D Professor and Principal Avanthi Institute of Pharmaceutical Sciences Signature: PRINCIPAL TUTE OF AVANTH! SCIENCES Gunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.



DECLARATION BY CANDIDATE

We AAKULA ANUSHA [Regd.no.18GN1T0001], ASAWAR SAI CHANDANA [Regd.no.18GN1T0002], BANDARIPALLI NAVYA SRI [Regd.no.18GN1T0003], students of fifth year Doctor of Pharmacy (Pharm.D) hereby declare that the research work embodied in this dissertation entitled "AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND EFFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS INFECTION" is original work carried out in Avanthi Institute of Pharmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, under the supervision of Dr. K. BALAJI from Avanthi Institute of Pharmaceutical Sciences and under the supervision of Dr. CHANDAN KUMAR K.N. from Gleneagles Global Hospital and has not been submitted before for the award of any Diploma or Degree of this University or any other University.

Date: 11 4 2023 Place: Hyderabad

> AAKULA ANUSHA [Regd.no.18GN1T0001], ASAWAR SAI CHANDANA [Regd.no.18GN1T0002], BANDARIPALLI NAVYA SRI [Regd.no.18GN1T0003].







This is to certify that the project work titled **"AN OBSERVATIONAL STUDY ON CLINICAL SAFETY AND FFICACY OF ANTIVIRAL MEDICATIONS USED IN CHRONIC HEPATITIS-B VIRUS NFECTION"** submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the ward of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AAKULA ANUSHA Regd.No.18GN1T0001], ASAWAR SAI CHANDANA [Regd.No.18GN1T0002], BANDARIPALLINAVYA Regd.No.18GN1T0003], during academic year 2022-2023, was found to be satisfactory.

sternal Examiner

Externa



PRINCIPAL INSTITUTE OF AVANTH! PHARMACEUTICAL SCIENCES Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana



Date: 11-4-2023

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ARMACEUTICAL SCIENCES

CERTIFICATE BY THE GUIDE

(Approved by PCI, AICTE & Affiliated to JNTUH) Gunthopally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

This to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON PRESCRIBING PATTERN OF ANTIMICROBIAL AGENTS IN PATIENTS WITH INFECTIOUS DISEASES IN TERTIARY CARE HOSPITAL" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AKULA SINDHUJA [Regd.No.18GN1T0004], DODDE ANUSHA [Regd.No.18GN1T0005], GANTA PRAVEEN KUMAR YADAV [Regd.No.18GN1T0006], GUNNALA PAVAN SAI GOUD [Regd.No.18GN1T0007] during academic year 2022-2023, under my supervision and guidance.

'lace: Hyderabad

Guide:

DR. NIHAR RANJAN DAS Vice Principal Avanthi Institute of Pharmaceutical Sciences

Signature:



PRINCIPA CIENCES unthapally (V), Abdullapurmet (M), AVAN R.R. Dist. Telangana.

GLENEAGLES GLOBAL HOSPITALS Gleneagles Global Hospitals, 08-16-01, Sagar Road, Saroornagar, Hyderabad, Telangana.

CERTIFICATE

This is to certify that AKULA SINDHUJA [Regd.no.18GN1T0004], DODDE ANUSHA Regd.no.18GN1T0005], GANTA PRAVEEN KUMAR YADAV [Regd.no.18GN1T0006], GUNNALA YAVAN SAI GOUD [Regd.no.18GN1T0007], students of 5th Year Pharm.D (Doctor of Pharmacy) from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled "A PROSPECTIVE DBSERVATIONAL STUDY ON PRESCRIBING PATTERN OF ANTIMICROBIAL AGENTS IN 'ATIENTS WITH INFECTIOUS DISEASES IN TERTIARY CARE HOSPITAL" from September 2022 nder my guidance at Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

Dr. HARICHARAN

MBBS, MD (Internal Med). Senior consultant- Internal Medicine Gleneagles Global Hospitals.

Signature:





This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON PRESCRIBING PATTERN OF ANTIMICROBIAL AGENTS IN PATIENTS WITH INFECTIOUS DISEASES IN TERTIARY CARE HOSPITAL" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AKULA SINDHUJA [Regd.No.18GN1T0004], DODDE ANUSHA Regd.No.18GN1T0005], GANTA PRAVEEN KUMAR YADAV [Regd.No.18GN1T0006], GUNNALA AVAN SAI GOUD [Regd.No.18GN1T0007] during academic year 2022-2023, in the Avanthi Institute of 'harmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

'lace: Hyderabad



PRINCIPA FS SCIENC HEAD OF THE INSTITUTION et (M M. Pharm, Ph. D.R. Dist. Telangana nd Principal Dr. K. BALAJI Professor and Principal Avanthi Institute of Pharmaceutical Sciences

OF

Signature:

DECLARATION BY CANDIDATE

ve, AKULA SINDHUJA [Regd.No.18GN1T0004], DODDE ANUSHA [Regd.No.18GN1T0005], GANTA GOUD RAVEEN KUMAR YADAV PAVAN SAI [Regd.No.18GN1T0006], GUNNALA Regd.No.18GN1T0007], students of fifth year Doctor of Pharmacy (Pharm.D) hereby declare that the research ork embodied in this dissertation entitled "A PROSPECTIVE OBSERVATIONAL STUDY ON **RESCRIBING PATTERN OF ANTIMICROBIAL AGENTS IN PATIENTS WITH INFECTIOUS** ISEASES IN TERTIARY CARE HOSPITAL" is original work carried out in Avanthi Institute of harmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, under the supervision of R. NIHAR RANJAN DAS from Avanthi Institute of Pharmaceutical Sciences and under the supervision of R. HARICHARAN from Gleneagles Global Hospital and has not been submitted before for the award of any iploma or Degree of this University or any other University.

ace: Hyderabad

Sunthapally

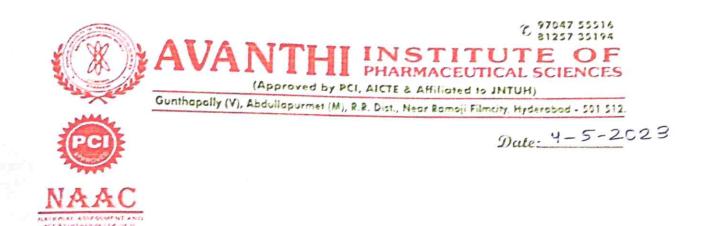
AKULA SINDHUJA [Regd.no.18GN1T0004],

DODDE ANUSHA [Regd.no.18GN1T0005],

GANTA PRAVEEN KUMAR YADAV [Regd.no.18GN1T0006],

GUNNALA PAVAN SAI GOUD [Regd.no.18GN1T0007].





This is to certify that the project work titled "A PROSPECTIVE OBSERVATIONAL STUDY ON PRESCRIBING PATTERN OF ANTIMICROBIAL AGENTS IN PATIENTS WITH INFECTIOUS DISEASES IN TERTIARY CARE HOSPITAL" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by AKULA SINDHUJA [Regd.No.18GN1T0004], DODDE ANUSHA [Regd.No.18GN1T0005], GANTA PRAVEEN KUMAR YADAV [Regd.No.18GN1T0006], GUNNALA PAVAN SALGOUD [Regd.No.18GN1T0007] during academic year 2022-2023, was found to be satisfactory.

B ... GRADE

Internal Examiner

PRINCIPAL INSTITUTE OF PHARMAGEUMICAL SCIENCES VANTH Sunthapally (V), Abdullapurmet (M). R.R. Dist. Telangena.





GLENEAGLES GLOBAL HOSPITALS Glencagles Global Hospitals, Saroornagar Hyderabad, Telangana.

CERTIFICATE

This is to certify that JANNU UMESH KUMAR [Regd.no.18GN1T0020], GUNDALA MEENAKSHI [Regd.no.18GN1T0021], VEMULA PRIYANKA [Regd.no.18GN1T0022] students of 5th Year Pharm.D (Doctor of Pharmacy), from Avanthi Institute of Pharmaceutical Sciences, has done the project work entitled titled "IMPACT OF HEMODIALYSIS ON HEALTH- RELATED QUALITY OF LIFE OF THE PATIENT" from September 2022 under my guidance at Gleneagles Global Hospitals, Sagar Road, Hyderabad, Telangana, India.

Dr. G. DHANALAKSHMI

MBBS, MD (Pediatrics), DM (NEPHROLOGY) Nephrologist Gleneagles Global Aware Hospitals

nature:

PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES AVANTHI Bunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.





(Approved by PCI, AICTE & Affiliated to JNTUH)

This is to certify that the project work titled "IMPACT OF HEMODIALYSIS ON HEALTH- RELATED QUALITY OF LIFE OF THE PATIENT" submitted to Jawaharlal Nehru Technological University, Hyderabad, in partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out by, JANNU UMESH KUMAR [Regd.no.18GN1T0020], GUNDALA MEENAKSHI [Regd.no.18GN1T0021], VEMULA PRIYANKA [Regd.no.18GN1T0022], during academic year 2022-2023, in the Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad, under my supervision and guidance.

Place: Hyderabad



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Date: 1104/2023

UTICAL SCIENC

HEAD OF THE INSTITUTION CIPAL ITUTE SCIENCES Dr. K. BALAJI M. Pharman Rhe Dily (V), Abdullapurmet R.R. Dist. Telangana. Professor and Principal Avanthi Institute of Pharmaceutical Sciences

Signature:

DECLARATION BY CANDIDATE

We, JANNU UMESH KUMAR [Regd.no.18GN1T0020], GUNDALA MEENAKSHI [Regd.no.18GN1T0021], VEMULA PRIYANKA [Regd.no.18GN1T0022], students of fifth year Doctor of Pharmacy (Pharm.D) hereby declare that the research work embodied in this dissertation entitled "IMPACT OF HEMODIALYSIS ON HEALTH- RELATED QUALITY OF LIFE OF THE PATIENT" is original work carried out in Avanthi Institute of Pharmaceutical Sciences, Jawaharlal Nehru Technological University, Hyderabad, under the supervision of Dr. B. EVANGILEEN from Avanthi Institute of Pharmaceutical Sciences and under the supervision of Dr. G. DHANALAKSHMI from Gleneagles Global Hospital and has not been submitted before for the award of any Diploma or Degree of this University or any other University.

Date: 11/04/2023 Place: Hyderabad

> JANNU UMESH KUMAR [Regd.no.18GN1T0020], GUNDALA MEENAKSHI [Regd.no.18GN1T0021], VEMULA PRIYANKA [Regd.no.18GN1T0022].

PRINC AVANTH CIENCES Sunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana.





Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

NSTITU

Date:____

97047 55516 81257 35194

F

CERTIFICATE

This is to certify that the project work titled "IMPACT OF HEMODIALYSIS ON HEALTH- RELATED QUALITY OF LIFE OF THE PATIENT" submitted to Jawaharlal Nehru Technological University, Hyderabad, n partial fulfilment for the award of the degree of Doctor of Pharmacy (Pharm.D) has been successfully carried out y JANNU UMESH KUMAR [Regd.no.18GN1T0020], GUNDALA MEENAKSHI [Regd.no.18GN1T0021], EMULA PRIYANKA [Regd.no.18GN1T0022], during academic year 2022-2023, was found to be satisfactory.

Internal Examiner

External Examiner: J.R. S. A. Shleway

PRINCIPAL STITUTE OF AVANTH JTICAL SCIENCES unthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.





Date: 3010/23

This is to certify that the dissertation entitled "SIMULTANEOUS ESTIMATION OF NIACIN AND LOVASTATIN BY USING RP- HPLC IN API AND MARKETED FORMULATIONS" that is being submitted by BASIREDDY SANDHYA in partial fulfilment for the award of the Degree to Jawaharlal Nehru Technological University, Hyderabad is a record of bonafide work carried out by him under the guidance and supervision of Dr. K. BALACI, M. Pharm., Ph.D., Professor & Principal during the academic year 2022-2023.



Date: 3010/23 Place: Hyderabad

Signature of the Head of Department

Dr.K. BALAGI, M. Pharm., Ph.D., Professor & Principal PRINCIPAL AVANTH' DISTITUTE OF PHARMACTURICAL SCIENCES Gunthapaliy (V), Actuliapurmet (M). R.R. Dist. Telangana.



Date: 70 -10 23

This is to certify that the dissertation entitled "SIMULTANEOUS ESTIMATION OF NIACIN AND LOVASTATIN BY USING RP- HPLC IN API AND MARKETED FORMULATIONS" that is being submitted by BASIREDDY SANDHYA

(Reg. No: 21GN1S1202), in partial fulfilment for the award to Jawaharlal Nehru Technological University, Hyderabad, is a record of bonafied work carried out by him under my guidance and personal supervision during the academic year 2022-2023. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Date: 30/10/23 Place: Hyderabad ARMACEU

ABDUL

0 PROJECT GUIDE

Dr. K. Balaji , M. Pharm., Ph.D., Professor & Principal Department of Pharmaceutical Analysis

PRINCIPAL

PHARMAGE

aunthapaliy (V), Abduilapurmet (M) R.R. Dist. Telangana.

INSTITUTE OF

AVANTH! EXTERNAL

DECLARATION



I here by declare that the research work embodied in this dissertation entitled "SIMULTANEOUS ESTIMATION OF NIACIN AND LOVASTATIN BY USING RP-HPLC IN API AND MARKETED FORMULATIONS" is original and carried out by me under the supervision of Dr K BALAJI, M. Pharm., Ph.D., Professor, Department of Pharmaceutical analysis, Avanthi Institute of Pharmaceutical Sciences, Gunthapally(V), Abdullapurmet(M), R.R Dist, Hyderabad for the award of the Degree. 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.



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Band (Reg. No. 21GN1S1202)

PRINCIPAL AVANTH! INSTITUTE OF PHARMACESCIPAL SCIENCES Gunthapally (V). Auduilapurmet (M) R.R. Dist. Telangana.

Date: 30/10/2>> Place: Hyderabad

DECLARATION

We here by declared that the thesis, entitled "SIMULTANEOUS ESTIMATION OF FUROSEMIDE &TRIAMTERENE IN PURE AND PHARMACEUTICAL DOSAGE FORM BY USING RP-HPLC METHOD" which is being submitted by "GEDALA BHAVANI (21GN1S1205)" in partial fulfillment of the requirements for the Award of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological University Hyderabad), is the result of investigation carried out by me under the guidance of **Dr. Nihar Ranjan Das** Professor, Department of Pharmaceutical Analysis. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date:

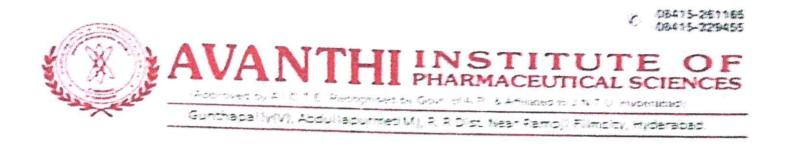
Place:

Gi. Bhavani GEDALA BHAVANI (21GN1S1205)



PRINCIPAL

AVANTH! INSTITUTE OF PHARMACEUS CLL SCIENCES Gunthapally (V), Apdullapurmet (M), R.R. Dist. Telangana.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "SIMULTANEOUS ESTIMATION OF FUROSEMIDE &TRLAMTERENE IN PURE AND PHARMACEUTICAL DOSAGE FORM BY USING RP-HPLC METHOD" which is being submitted by GEDALA BHAVANI (21GN1S1205) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

PROJECT GUIDE

Dr. Nihar Ranjan Das, M. Pharm., Ph. D Professor Department of Pharmaceutical Analysis Avanthi Institute of Pharmaceutical Sciences





Date: 25 10



Date:

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "SIMULTANEOUS ESTIMATION OF FUROSEMIDE & TRIAMTERENE IN PURE AND PHARMACEUTICAL DOSAGE FORM BY USING RP-HPLC METHOD" which is being submitted by GEDALA BHAVANI (21GN1S1205) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCIPAL

Dr. K.BALAJI,

M.Pharm., Ph.D,

Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Punthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.





Date: 50

This is to certify that the thesis / dissertation entitled "SIMULTANEOUS ESTIMATION OF FUROSEMIDE & TRIAMTERENE IN PURE AND PHARMACEUTICAL DOSAGE FORM BY USING RP-HPLC METHOD" which is being submitted by GEDALA BHAVANI (21GN1S1205) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them.

IINER EXTERN

PRINCIPAL ITUTE OF

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Sunthapally (V), Apdullapurmet (M) R.R. Dist. Telangana.



DECLARATION

degree / diploma of this or any other university, Pharmaceutical Analysis. This work is original and has been not submitted for any me under the guidance of FORMULATION BY RP-HPLC which is being submitted by "GANDIE SADHANA ANALATICAL We Technological University Hyderabad), is the result of investigation carried out by (21GN1S1203)" in partial fulfillment of the requirements for the Award of NETUPITANT here ġ, PHARMACY in Pharmaceutical Analysis METHOD AND VALIDATION OF ANTI-MEOPLASTIC AGENTS declared that the AND PALONOSETRON Dr.K.BALAJI Professor and Principal, Department of thesis, entitled "DEVELOPMENT OF NEW IN PURE

Place:



GANDHE SADHANA (21GN1S1203)

Sunthapelly (V), Kodullapurr R.R. Dist. Telangana AVANTHI PRINCIPAL dullapurmet (M) L SCIENCES

制度。这些现在是这些是一些在这些问题。我是你的是实际是是我们的问题。"



CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT OF SEW ANALYTICAL METHOD AND VALIDATION OF ANTI-MEDPLASTIC AGENTS NETUPTIANT AND PALONOSETRON IN PURE AND PHARMACEPTICAL. FORMULATION BY RE-HELC which is being submitted by GANDHE SADHANA (21GN1S1203) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis 10 Javiaharlal Hehry Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.



PRINCIPA

SCIENCES

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PHO.IECT GUIDE, AVANTH Gunthapally (V), Auduilapurmet (M). R.R. Dist. Telangana Dr.K.BALAH, M. Pharm., Ph. D Professor, Principal

Department of Pharmaceutical Analysis Avanthi Institute of Pharmaceutical Sciences



Dele

This is to certify that the thesis / dissertation entitled "DEVELOPMENT OF NEW ANALYTICAL METHOD AND VALIDATION OF ANTI-NEOPLASTIC AGENTS NETUPITANT AND PALONOSETRON IN PURE AND PHARMACEUTICAL FORMULATION BY RP-HPLC" which is being submitted by GANDHE SADHANA (21GN1S1203) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them.

EXTERN. MINER



PRINCIPAL FOF CIENCES AVANTH A. Juliapurmet (M).

R.R. Dist. Telangana.

PHARM

Sunthapaliy

DECLARATION

We here by declared that the thesis, entitled "DEVELOPMENT AND VALIDATION OF A REVERSE PHASE HPLC METHOD FOR SIMULTANEOUS DETERMINATION OF CARBIDOPA AND LEVODOPA IN PHARMACEUTICAL DOSAGE FORMS" which is being submitted by "KETHAVATH SUJATHA(21GN1S1207)" in partial fulfillment of the requirements for the Award of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological University Hyderabad), is the result of investigation carried out by me under the guidance of **Dr. Nihar Ranjan Das** Professor, Department of Pharmaceutical Analysis. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: Place:

Flace.

K. Supatha

KETHAVATH SUJATHA (21GN1S1207)



PRINCIPAL INSTITUTE OF PHARMACEUTICAL SCIENCES Bunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana. AVANTH



CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND VALIDATION OF A REVERSE PHASE HPLC METHOD FOR SIMULTANEOUS DETERMINATION OF CARBIDOPA AND LEVODOPA IN PHARMACEUTICAL DOSAGE FORMS" which is being submitted by KETHAVATH SULATHA (21GN1S1207) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharial Nehru Technological university Hyderabad is a record of bonafide work carried out by them under my guidance.

INSTITUTE OF PRINCIPAL PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

AVANTH!

-

PROJECT GUIDE

Dr. Nihar Ranjan Das, M. Pharm., Ph. D. FRANK Department of Pharmaceutical Analysis Avanthi Institute of Pharmaceutical Sciences

Dute 30/10/22





ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND VALIDATION OF A REVERSE PHASE HPLC METHOD FOR SIMULTANEOUS DETERMINATION OF CARBIDOPA AND LEVODOPA IN PHARMACLUTICAL DOSAGE FORMS" which is being submitted by KETHAVATH SUJATHA (21GN1S1207) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them at our organization

PRINCIPAL

Dr. K.BALAJI, M.Pharm., Ph.D,

Avanthi Institute of Pharmaceutical Sciences.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Bunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.





Date: 30 10 23

This is to certify that the thesis / dissertation entitled "DEVELOPMENT AND VALIDATION OF A REVERSE PHASE HPLC METHOD FOR SIMULTANEOUS DETERMINATION OF CARBIDOPA AND LEVODOPA IN PHARMACEUTICAL DOSAGE FORMS" which is being submitted by KETHAVATH SUJATHA (21GN1S1207) in partial fulfillment of the requirement for the award of degree of MASTER OF PHARMACY in Pharmaceutical Analysis to Jawaharlal Nehru Technological university Hyderabad is a record of bonafide work carried out by them.

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ERNAL EXAMINER

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Sunthapally (V), Abdullapurmet (M).



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A VALIDATED RP-HPLC METHOD DEVELOPMENT FOR THE SIMULATINEOUS ESTIAMTION OF ROSUVASTATIN AND TELMISARTAN IN

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI, AICTE & Affiliated JNTU Hyderabad, NAAC) Gunthapally (V), Abdullapurmet (M), RR Dist, Hyderabad, Pin code 501512, Telangana, India

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the dissertation work entitled A VALIDATED RP-HPLC METHOD DEVELOPMENT FOR THE SIMULATNEOUS ESTIAMTION OF ROSUVASTATIN AND *TELMISARTAN* BULK FORM AND MARKETED FORMULATIONS submitted by PULIGARI RACHANA (21GN1S1210) in the partial fulfillment of PHARMACEUTICAL surriculum prescribed by the Jawaharlal Nehru Technological University, Hyderabad, for the award of legree of Master of Pharmacy, is a record of bonafide work carried out by her at our organization.

DATE:

PRINCIPAL

Dr. K.BALAJI, M.Pharm., Ph.D. Ayanthi Institute of Pharmaceutical Sciences.

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ANAN

PRINCIPAL INSTITUTE OF AVANTH! PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.

A VACIOART DRETHINC METROD DEVELOPMENT FOR THE SIMULATINEOUS ESTIAMTION OF ROSUVASTATIN AND TELMISARTAN IN 20:4 & YAWALAND MARKETED PHARMACEUTICAL FORMULATIONS

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCL AICTE & Affiliated JNTU Hyderabad, NAAC) Gunthapally (V), Abdullapurmet (M), RR Dist, Hyderabad, Pin code 501512, Telangana, India

CERTIFICATE

This is to certify that the dissertation work entitled A VALIDATED RP-HPLC METHOD DEVELOPMENT FOR THE SIMULATINEOUS ESTIAMTION OF ROSUVASTATIN AND TELMISARTAN IN BULK FORM AND MARKETED PHARMACEUTICAL FORMULATIONS submitted by PULIGARI RACHANA (21GN1S1210) in the partial fulfillment of curriculum prescribed by the Jawaharlal Nehru Technological University, Hyderabad, for the award of Jegnee of Master of Pharmacy, is a record of bonafide work carried out by her.

DATE = O(10) 2.

NAL EXAMINER

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Avanthi Institute of Pharmaceutical Sciences Abdullapurmet, Hayathnagar, R.R. Dist- 501502



Date: 30/10/23

CERTIFICATE

This is to certify that the dissertation entitled "FORMULATION AND EVALUTATION OF NANOPARTICLES OF GLIBENCLAMIDE WITH DIFFERENT POLYMERS BY CHEMICAL CROSS LINKING MRTHOD" that is being submitted by in partial fulfilment for the award of the Degree to Jawaharlal Nehru Technological University. Hyderabad is a record of bonafide work carried out by her under the guidance and supervision of Dr. K. BALAGI, M. Pharm., Ph.D., Professor & Principal during the academic year 2021-2023.



Signature of the Head of Department

Dr.K. BALAGI, M. Pharm, Ph.D., Professor & Principal

> PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana.

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Date: 30/10/23

PRINCIPAL

UTIC pally (V), Abdullapur

R. Dist. Telangan

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CERTIFICATE

This is to certify that the dissertation entitled "FORMULATION AND EVALUTATION OF NANOPARTICLES OF GLIBENCLAMIDE WITH DIFFERENT POLYMERS BY CHEMICAL CROSS LINKING METHOD that is being submitted by (Reg. No: 21GN180313), in partial fulfilment for the award to Jawaharlal Nehru Technological University, Hyderabad, is a record of bonafied work carried out by her under my guidance and personal supervision during the academic year 2021-2023. The results embodied in this thesis have not been submitted to any other University or Institute for the sward of any degree or diploma.



Place: Hyderabad



PROJECT GUHDE

Ms. P.LAVANYA, M. Pharm Associate Professor Department of Pharmaceutics

Avanthi Institute of Pharmaceutical Sciences Gunthapally, Hayathnagar, R.R Dist, Hyderabad OCTOBER-2023

DECLARATION BY THE CANDIDATE



I here by declare that the research work embodied in this dissertation entitled **"FORMULATION AND CHARACTERISATION OF TRANSDERMAL DRUG DELIVERY OF AMILORIDE DRUG USING VARIOUS POLYMERS**." is original and carried out by me, under the supervision of **Dr. Rama Krishna Mungi, M.pharm, Ph.D., Associate Professor, Department** of Pharmaceutics, **Avanthi Institute of Pharmaceutical Sciences**, **Gunthapally, Hayathnagar, R.R Dist, Hyderabad** for the award of the Degree of Master of Pharmacy in Pharmaceutics specialization. This work is original and has been not submitted for any degree / diploma of this or any other university.

Date: 30/10/2023

Place: Hyderabad



GOUSEYA MAHA

(Reg No. 21GN1S0306.)

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.



Dale: 30/10/2023

CERTIFICATE BY THE GUIDE

This is to certify that the thesis / dissertation entitled "FORMULATION AND CHARACTERISATION OF TRANSDERMAL DRUG DELIVERY OF AMILORIDE DRUG USING VARIOUS POLYMERS. requirement for the award of degree of Master of Pharmacy in Pharmaceutics to Jawaharlal Nehru Technological University Hyderabad is record bonafide work carried out by her under my guidance.

M.R.Kinh PROJECT GUIDE

Dr. Rama Krishna Mungi, M. Pharm, Ph.D Associate professor.



PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Junthapally (V), Abdullapurmet (M). R.R. Dist. Telangana.



Date: 30/10/2023

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis / dissertation entitled "FORMULATION AND CHARACTERISATION OF TRANSDERMAL DRUG DELIVERY SYSTEM OF AMILORIDE USING VARIOUS POLYMERS." that is being submitted by GOUSEYA MAHA (keg No.21GN1S0306) in partial fulfillment of the requirement for the award of degree of Master of Pharmacy in Pharmaceutics to Jawaharlal Nehru Technological University, Hyderabad is record Bonafide work carried out by her at our Institution.

Signature Of the head / Director of institution

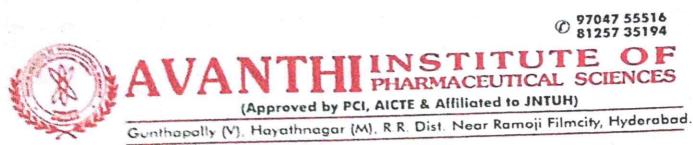
Dr. K. BALAJI, M. Pharm, Ph. D Principal,

Avanthi Institute of Pharmaceutical Sciences,

Gunthapally, Hyderabad.

PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Punthapally (V), Abdullapurmet (M), P. P. Dist. Telanoana.





Date: 30/10/2023

CERTIFICATE

This is to certify that the thesis / dissertation entitled "FORMULATION AND CRARACTERIZATION OF TRANSDERMAL DRUG DELIVERY SYSTEM OF AMILORIDE USING VARIOUS POLYMERS." that is being submitted by GOUSEYA MAHA in partial fulfillment of the requirement for the award of degree of Master of Pharmacy in Pharmaceutics to Jawaharlal Nehru Technological University Hyderabad is record bonafide work carried out by her under the guidance of Dr. Rama Krishna Mungi, M.Pharm, Ph.D. Associate Professor during the Academic Year 2021-2023.

SIGNATURE OF THE EXTERNAL EXAMINER



PRINCIPAL AVANTH' INSTITUTE O. PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.