

**FORMULATION AND EVALUATION OF ORAL DISPERSIBLE
TABLETS**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
M.Pharmacy**

**IN
PHARMACEUTICS**

By

BANDI RAJU

20VJ1S0301

***Under the supervision of*
PALLE GOVERDHAN REDDY**
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UNITY
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**UNITY COLLEGE OF PHARMACY
RAIGIR(V), BHONGIR(M), YADADRI BHONGIR(Dist) – 508116 (TS.)
INDIA.
AUGUST- 2023**



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Muneej

EXTERNAL EXAMINER


**PRINCIPAL
UNITY COLLEGE OF PHARMACY
RAIGIRI (V), BHONGIR (M),
YADADRI BHONGIR (DT)**

**ANTI DIABETIC EFFECT OF METHANOLIOIC EXTRACT OF
SEEDS OF TRIGONELLA FOENUM-GRÆCUM ON STREPTOZOTOCIN
INDUCED DIABETIC RATS**



THESIS

Submitted

To

**THE JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY HYDERABAD**

FOR THE AWARD OF THE DEGREE

BACHELOR OF PHARMACY

By

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EVALUATED JUNE- 2023



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**PREPARATION AND CHARACTERISATION OF ORO -
DISPERSIBLE TABLETS OF BACLOFEN**



THESIS

Submitted

To

**THE JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY HYDERABAD**

FOR THE AWARD OF THE DEGREE

BACHELOR OF PHARMACY

By

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JUNE- 2023



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YADADRI BHONGIR (DT)

**DEVELOPMENT AND IN VITRO EVALUATION OF
LINAGLIPTIN BUCCAL FILMS**



**A DISSERTATION SUBMITTED TO JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY, HYDERABAD IN PARTIAL FULFILMENT
FOR THE AWARD OF THE DEGREE OF**

BACHELOR OF PHARMACY

BY

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JUNE-2023

**Synthesis and Biological Evaluation of Novel Chalcone
Derivatives.**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

IN PHARMACEUTICAL CHEMISTRY

By

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JUNE- 2023



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**Phytochemical and Microbiological investigations on the
dried leaves of *Azadirachta indica***



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

IN PHARMACEUTICAL PHYTOCHEMISTRY

By

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**Design and Synthesis of New Isatin Derivatives as
Antimicrobial Agents**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FOR THE AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

IN PHARMACEUTICAL CHEMISTRY

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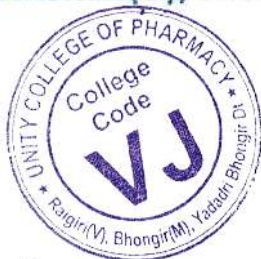
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YADADRI BHONGIR (DT)

**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
MOBOCERTINIB IN PHARMACEUTICAL DOSAGE FORM BY RP
HPLC METHOD**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
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M.Pharmacy**

IN

PHARMACEUTICAL ANALYSIS

By

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**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
DUANORUBICIN AND CYTARABINE IN BULK AND
PHARMACEUTICAL DOSAGE FORM**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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AUGUST 2023

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YADADRI BHONGIR (DT)

**FORMULATION AND IN VITRO EVALUATION OF LIPOSOMAL DRUG
DELIVERY SYSTEM OF METFORMIN HYDROCHLORIDE**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FORMULATION AND *IN VITRO* EVALUATION OF DOMPERIDONE
OTFLS



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FORMULATION AND IN VITRO EVALUATION OF ROPINIROLE HYDROCHLORIDE SUSTAINED RELEASE TABLETS



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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IN
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MARCH - 2023



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**METHOD DEVELOPMENT VALIDATION AND SIMULTANEOUS
ESTIMATION OF OMBITASVIR AND PARITAPREVIR BY RP-HPLC**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
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**IN
PHARMACEUTICAL ANALYSIS**

By

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EXTERNAL EXAMINER

METHOD DEVELOPMENT AND ANALYTICAL VALIDATION OF
GEFITINIB DRUG



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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IN
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By

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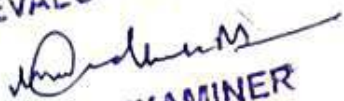



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AUGUST-2023


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YADADRI BHONGIR (DT)

ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
QUINAPRIL AND HYDROCHLORTHIAZIDE IN API AND ITS DOSAGE
FORM BY RP HPLC



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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IN

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14.8.23
EXTERNAL EXAMINER




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**DEVELOPMENT STATISTICAL OPTIMIZATION AND EVALUATION
OF LULICONAZOLE HYDROCHLORIDE LOADED SOLID LIPID NANO
PARTICLES**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
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**IN
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**FORMULATION AND EVALUATION OF IN SITU GEL DRUG
DELIVERY SYSTEM**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FOR THE AWARD OF THE DEGREE OF
M.PHARMACY**

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FORMULATION AND EVALUATION OF MATRIX TABLETS



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IN

PHARMACEUTIS

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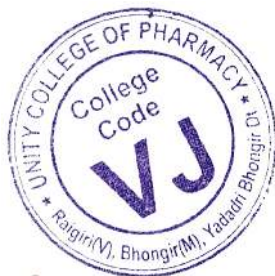
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OCTOBER- 2023




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FORMULATION AND EVALUATION OF ASENAPINE SUBLINGUAL
TABLETS



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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**FORMULATION AND EVALUATION OF ZOPICLONE ORAL
DISPERSIBLE TABLETS**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FORMULATION AND EVALUATION OF CHITOSAN NANOPARTICLES



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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**PREPARATION AND EVALUATION OF DONEPEZIL LOADED SOLID
LIPID NANOPARTICLES FOR TREATMENT OF SCHIZOPHRENIA**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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OCTOBER- 2023**




**PRINCIPAL
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**RP HPLC METHOD DEVELOPMENT AND VALIDATION FOR
SIMULTANEOUS ESTIMATION OF FROVATRIPTIN AND
AMITRIPTYLINE IN BULK AND PHARMACEUTICAL DOSAGE
FORMS**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FOR THE AWARD OF THE DEGREE OF
M.PHARMACY**

**IN
PHARMACEUTICAL ANALYSIS**

By

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OCTOBER- 2023




**PRINCIPAL
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**RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR THE
SIMULTANEOUS ESTIMATION OF VOGLIBOSE AND METFORMIN HCl
AND BULK AND PHARMACEUTICAL DOSAGE FORM**

MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

**THIS IS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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Submitted by

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OCTOBER-2023




PRINCIPAL
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YADADRI BHONGIR (DT)

**ANALYTICAL METHOD DEVELOPMENT AND
VALIDATION OF DARIDOREXANT IN
PHARMACEUTICAL DOSAGE FORMS BY RP-HPLC**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY HYDERABAD FOR THE AWARD OF THE DEGREE OF**

MASTERTF OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

EDUMEKALA BALARAJU

18VJ1S1204



UNDER THE SUPERVISION OF

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Telangana State INDIA

MAR-2023

**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
MOBOCERTINIB IN PHARMACEUTICAL DOSAGE FORM BY RP
HPLC METHOD**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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IN

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YADADRI BHONGIR (DT)

**ANALYTICAL METHOD DEVELOPMENT AND
VALIDATION OF ANTIDIABETIC DRUGS LINAGLIPTIN
IN TABLET DOSAGE FORM**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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**MASTER OF PHARMACY
IN
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By**

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YADADRI BHONGIR (DT)

**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
DUANORUBICIN AND CYTARABINE IN BULK AND
PHARMACEUTICAL DOSAGE FORM**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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M.Pharmacy

IN

PHARMACEUTICAL ANALYSIS

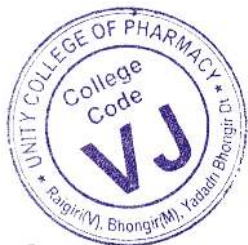
By

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INDIA.
AUGUST- 2023

EVALUATED


EXTERNAL EXAMINER

**METHOD DEVELOPMENT VALIDATION AND SIMULTANEOUS
ESTIMATION OF OMBITASVIR AND PARITAPREXIR BY RP-HPLC**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
M.Pharmacy**

**IN
PHARMACEUTICAL ANALYSIS**

By

DOMALA LINGASWAMY 20VJ1S1203

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YADADRI BHONGIR (DT)**

METHOD DEVELOPMENT AND ANALYTICAL VALIDATION OF
GEFITINIB DRUG



THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF

MASTER OF PHARMACY

IN
PHARMACEUTICAL ANALYSIS
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AUGUST- 2023

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EXTERNAL EXAMINER

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**METHOD DEVELOPMENT FOR QUANTITATIVE
ESTIMATION OF DARIFENACIN HYDROBROMIDE BY HPLC
METHOD**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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FOR THE AWARD OF THE DEGREE OF**

M.Pharmacy

IN

PHARMACEUTICAL ANALYSIS

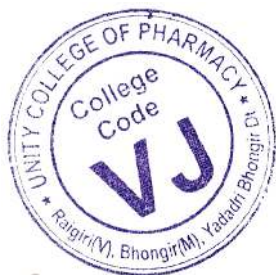
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RP HPLC ESTIMATION OF ESCITALOPRAM AND OXALATE IN PLASMA



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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**IN
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**DEVELOPMENT AND VALIDATION OF RP HPLC METHOD FOR
SIMULTANEOUS ESTIMATION OF ABACAVIR AND LAMIVUDINE AND
ZIDOVUDINE IN TABLET DOSAGE FORMS**

MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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OCTOBER-2023




PRINCIPAL
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**ESTIMATION OF OLMESARTAN MEDOXOMIL AND
CLINIDIPINE IN BULK AND COMBINED TABLET DOSAGE
FORM BY RP HPLC**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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**IN
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INDIA.
OCTOBER- 2023**

**METHOD DEVELOPMENT AND METHOD VALIDATION FOR
THE ESTIMATION OF TOLTERODINE TARTARATE IN TABLET
DOSAGE FORM BY RP-HPLC**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY HYDERABAD
FOR THE AWARD OF THE DEGREE OF
M.PHARMACY**

**IN
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OCTOBER- 2023**

**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR
THE SIMULTANEOUS ESTIMATION OF MEROPENEM AND
COLISTIN BY RP HPLC METHOD**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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OCTOBER- 2023**

**DEVELOPMENT AND VALIDATION OF NEW HPLC METHOD
FOR THE ESTIMATION OF SOLEFINACIN IN BULK AND
PHARMACEUTICAL DOSAGE FORM**



**THESIS SUBMITTED TO THE JAWAHARLAL NEHRU
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OCTOBER- 2023



**SIMULTANEOUS ESTIMATION OF GLYCOPYRROLATE AND FORMOTEROL FUMARATE
BY HPTLC IN PHARMACEUTICAL MIXTURE**

MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

**THIS IS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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OCTOBER-2023



**METHOD DEVELOPMENT AND VALIDATION OF STABILITY INDICATING RPHPLC
METHOD FOR SIMULTANEOUS ESTIMATION OF LEVOFLOXACIN AND
AZITHROMYCIN IN PHARMACEUTICAL TABLET DOSAGE FORM**

MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

**THIS IS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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OCTOBER-2023




**PRINCIPAL
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YADADRI BHONGIR (DT)**

**ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF
MINOCYCLINE HYDROCHLORIDE IN BULK AND TABLET DOSAGE
FORMS USING RP-HPLC METHOD**

MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS

**THIS IS SUBMITTED TO THE JAWAHARLAL NEHRU TECHNOLOGICAL
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