

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S **PRIYADARSHINI J. L. COLLEGE OF PHARMACY** (Formerly known as J. L. Chaturvedi College of Pharmacy) Electronics Zone Building, MIDC, Hingna Road, Nagpur-440016 (M.S.) India Tel. No.: +91-7104 – 299510 E-mail: principal@pijcp.edu.in, ilccpngp@gmail.com • Website: www. pjlcp.edu.in Accredited with Grade B++ by NAAC Institute Code: DTE 4265 & RTMNU 265



This document contains list of students who completed their M. Pharm Project.

Sr. No.	Name of the Student	Sr. No.	Name of the Student
1.	Vaishnavi V. Chitmulwar	20.	Chetna R. Pardhi
2.	Swanand A. Deshpande	21.	Ashwini D. Tembhare
3.	Karishma W. Kuthe	22.	Gitanjali R. Gadpayle
4.	Samruddhi W. Khapare	23.	Homeshwari P. Patode
5.	Nikita V. Tandulkar	24.	Praful D. Padole
6.	Sayli B. Dode	25.	Prajakta A. Harode
7.	Suraj A. Kakde	26.	Sahil Ahmad Raheemuddin
8.	Chhaya M. Kabir	27.	Swapnay A. Sherekar
9.	Hardik M. Kolte	28.	Bharat G. Dhage
10.	Manisha Y. Walde	29.	Duleshree H. Bramhankar
11.	Palash M. Balbudhe	30.	Yashashree V. Dhawale
12.	Manish G. Kinkar	31.	Shilpa V. Jaiswal
13.	Anirudh Upadhyay	32.	Aarti R. Shriwas
14.	Sushma A. Handekar	33.	Swapnja B. Gunjarkar
15.	Jitendra N. Bhalavi	34.	Samiksha R. Mehare
16.	Kalyani D. Varge	35.	Pooja S. Naik
17.	Vaibhav N. Mohare	36.	Monika W. Parate
18.	Swaraj R. Wankhede	37.	Tina W. Pandel
19.	Prasad A. Taile	38.	Aditya R. Kaikade

This submitted document is certified and verified

ASSESSMENT OF STABILITY OF POVIDONE IODINE SOLUTION IN VARIOUS pH CONDITIONS

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur

University, Nagpur

Submitted By

Vaishnavi Vikas Chitmulwar

(B. Pharm)

Research Guide

Dr. Mrs. G. R. Dixit

(M. Pharm, Ph. D)



PRIVADARSHINI J. L. COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR- 440016

2022-2023



PRIVADARSHINLI, L. COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple Principal, M. Pharm., Ph. D Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is certify that the work investigation described in this dissertation entitled "ASSESSMENT OF STABILITY OF POVIDONE IODINE SOLUTION IN VARIOUS pH CONDITIONS" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work is has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Vaishnavi Vikas Chitmulwar, under the guidance and supervision of Dr. Mrs. Gouri R. Dixit, Priyadarshini J. L. College of Pharmacy, Nagpur,

This dissertation is now ready for examination.

Place: Nagpur

Dute: 30/06/2023

Dr. D. R. Chaple

PRINC(Brincipal) Priyadarshini J. L. College of Pharmacy, Nagpur.

DESIGN AND OPTIMIZATION OF IMMEDIATE RELEASE PELLETS OF POORLY WATER SOLUBLE DRUG

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN:

PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By

Swanand A. Deshpande (B. Pharm)

Research Guide Dr. Rahul H. Kasliwal (M. Pharm, Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR- 440016 2022-2023



Priyadarshini J.L. College of Pharmacy, Electronic zone building, M.I.D.C., Hingna road, Nagpur- 440016

2022-2023



Dr. D. R. Chaple M. Pharm. Ph. D. Principal Priyadarshini J. L. College of Pharmacy Nagpur- 440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "Design and Optimization of Immediate Release Pellets of Poorly Water Soluble Drug", is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Swanand A. Deshpande, under the guidance and supervision of Dr. Rahul H. Kasliwal, Associate professor Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nagpur Date: 30106 2023

Dr. D. R. Chaple (Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur,

DEVELOPMENT OF BILAYER TABLET FOR IMMEDIATE AND CONTROLLED RELEASE OF PARACETAMOL USING NATURAL POLYMER

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By

Karishma W. Kuthe

(B. Pharm)

Research Guide

Dr. Rahul H. Kasliwal (M. Pharm, Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR - 440016 2022 - 2023

Certificate

Priyadarshini J. L. College of Pharmacy,

Electronic Zone Building, M.I.D.C., Hingna Road, Nagpu r- 440016

2022 - 2023



Dr. D. R. Chaple M. Pharm. Ph. D. Principal Priyadarshini J. L. College of Pharmacy Nagpur - 440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "DEVELOPMENT OF BILAYER TABLET FOR IMMEDIATE AND CONTROLLED RELEASE OF PARACETAMOL USING NATURAL POLYMER" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as fir as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Karishma W. Kathe, under the guidance and supervision of Dr. Rahal H. Kasliwal, Associate Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

ur

Place: Nagpur

Date: 0110712023-

Dr. D. R. Chaple

PRINCIPAL PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

FORMULATION AND EVALUATION OF AZARDIRACHTA INDICA DENTAL INSERT FOR THE TREATMENT OF PERIODONTITIS A DISSERATION

Submitted for the approval of thesis in partial fulfillment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By

Samruddhi W. Khapare (B. Pharm)

Research Guide Dr. Rahul H. Kasliwal (M.Pharm, Ph.D)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA BOAD, NAGPUR-440016 2022-2023



Priyadarshini J.L. College of Pharmacy,

Electronic Zone Building, M.I.D.C., Hingan Read, Nagpur-440016

2022-2023



Dr. D. R. Chaple M.Pharm, Ph. D. Principal Priyadarshini J.L. College of Pharmacy Nagpur-440016.

Place: Nagpur

Date: 30/06/2023

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled

"FORMULATION AND EVALUATION OF AZARDIRACHTA INDICA DENTAL INSERT FOR THE TREATMENT OF PERIODONTITIS", is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of Science and Technology, Rashtrasant Tukadaji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Samruddhi w. Khapare, under the guidance and supervision of Dr. Rahail H. Kasliwal, Associate Professor, Priyadarshini J. L. College of Pharmacy, Nagpur

This dessertation is now ready for examination.

Tohan Dr. D. R. Chaple

Dr. D. R. Chapte

(Principal)

Priyadarshini J. L. College of Pharmacy, Nagpur.

FORMULATION AND CHARACTERIZATION OF EFFERVESCENT MUCOADHESIVE TABLET FOR VAGINAL DELIVERY

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology,

Rashtrasant Tukadoji MaharajNagpur University, Nagpur

Submitted By Nikita V. Tandulkar (B. Pharm)

Research Guide Dr. Mrs. G. R. Dixit (M. Pharm, Ph. D)



PRIVADARSHINI J. L. COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR- 440016

2022-2023



PRIYADARSHINI J. L. COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple Principal, M. Pharm., Ph. D Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is certified that the work investigation described in this dissertation entitled

FORMULATION AND CHARACTERIZATION OF EFFERVESCENT MUCOADHESIVE TABLET FOR VAGINAL DELIVERY" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far ns my knowledge is concerned and not imitated from anywhere. This work has been carried out in Inboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Nikita V, Tandulkar, under the guidance and supervision of Dr. Mes. G. R. Dixit, Privadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

vel

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College a Pharmacy, Nagpur.

Place: Nagpur Date: 80/06/2.8

SOLUBILITY ENHANCEMENT OF POORLY WATER-SOLUBLE DRUG USING MESOPOROUS SILICA AS CARRIER

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Depree d

MASTER OF PHARMACY.

IN

PHARMACEUTRCS

In the Euclidy of Science and Technology,

Ranhtronaut Tukadaji Maharaj Nagpur University, Nagpur

Submitted By Sayli II. Dode (II. Pharm)

Research Guide Dr. Mes. Gouri Diait (M. Pharm, Ph. D)



PRIVADARSHINLL L. COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR 440016 2022-2023



PRIVADARSHINI J. L. COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple Principal, M. Pharm., Ph. D Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is certified that the work investigation described in this dissertation entitled

"SOLUBILITY ENHANCEMENT OF POORLY WATER DRUG USING MESOPOROUS SILICA AS CARRIER" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as fir as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratorias of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Sayli B. Dode, under the guidance and supervision of Dr. Mrs. Gouri R. Dixit, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Dr. D. R. Chaple (Principal) PRINCIPAL Prlyadarshini J. L. College of Pharmacy, Nagpur.

Place: Nagpur Date: 30/6/23

FORMULATION AND EVALUATION OF MONTELUKAST LEVOCETIRIZINE TABLET

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS.

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur,

> Submitted By Sura) A Kakde (B. Pharm)

Research Guide Dr. Kanchan Upadhye (M. Pharm, Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, MLD.C., HINGNA ROAD, NAGPUR - 440016-

2022 - 2023



Priyadarshini J. L. College of Pharmacy,

Electronic Zone Building, M.I.D.C., Hingus Road, Nagpur- 441016

2022 - 2023



Dr. D. R. Chaple M. Pharm. Ph. D. Principal Priyadarshini J. L. College of PharmacyNagpur - 440016.

CERTIFICATE

This is to centify that the work investigation described in this dissertation, entitled

"FORMULATION AND EVALUATION OF MONTELUKAST LEVOCETIBIZINE TABLET", is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmacentics, in the faculty of Science and Technology, Rashtrasant Tukadaji Maharaj Nagpur University, Nagpur This work is ungenal as far as my knowledge is concerned and not instand from anywhere. This work has been canned out in laboratories of the Privadarshim J. L. College of Pharmacy, Nagpur by Suraj A Kakde, under the guidance and supervision of Dr. Kaschan Upadhye, Assistant Professor, Privadarshim J. L. College of Pharmacy, Nagpur

This disacrtation is now ready for examination.

NULD

Dr. D. R. Chaple

(Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Place: Nagpur Date: 3 4/23

DEVELOPMENT AND EVALUATION OF TASTE MASKED PELLETS OF BITTER DRUG

A Dissertation

Submitted in the Partial Fulfilment of the Requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Research Student

Miss. Chhaya M. Kabir (B.Pharm)

Research Guide

Dr.Mrs. K. P. Upadhye (M.Pharm, Ph.D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.I.D.C., HINGNA ROAD,

NAGPUR - 440016

2022 - 2023

PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.I.D.C., HINGNA ROAD, NAGPUR -440016

2022 - 2023



Dr. D. R. Chaple M. Pharm. Ph. D. Principal Priyadarshini J. L. College of Pharmacy Nagpur - 440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "DEVELOPMENT AND EVALUATION OF TASTE MASKED PELLETS OF BITTER DRUG" is submitted in the partial fulfilment of the requirements for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtmant Tukadoji Maharaj Nagpar University, Nagpur. The work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Miss. Chhaya M. Kabir, under the guidance and supervision of Dr. Mrs. K.P.Upadhye, Head of Department Priyadarshini J. L. College of Pharmacy, Nagpur.

The dissertation is now ready for examination.

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College a

Place: Nagpur Date: 30/6/23

Qualification Of Roller Compactor To Provide The Desired Quality Granules For Compression Stage

Thesis

Submitted in partial fulfilment of requirements for Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

> Submitted By Mr. Hardik M. Kolte (B. Pharm.)

Research Guide

Dr. Mrs. Suparna. S. Bakhle (M. Pharm., Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE, MIDC, HINGNA ROAD, NAGPUR- 440016 2022-2023



Priyadarshini J. L. College of Pharmacy, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur-440016 2022-2023



Dr. D. R. Chaple Principal Priyadarshini J. L. College of Pharmacy Nagpur- 440016

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "Qualification of Roller Compactor to provide the desired quality granules for compression stage", is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of Medicine, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in the Validation department of Lupin Pharmaceutical LTD, Nagpur by Mr. Hardik Moreshwar Kolte, under the guidance supervision of Dr. Suparna, S. Bakhle,

Priyadarshini J. L. College of Pharmacy, Nagpur,

This dissertation is now ready for examination.

Place: Nagpur Date: Sol 603

Dr. D. R. Chaple (Principal)

PRINCIPAL Priyadarshini J. L. College o Pharmacy, Negpur.

FORMULATION AND EVALUATION OF MUCOADHESIVE IN-SITU GEL OF PROBIOTIC FOR THE MANAGEMENT OF BACTERIAL VAGINOSIS

A DISSERTATION

Submitted for the approval of thesis in partial fulfillment of requirements forDegree of

MASTER OF PHARMACY

EN .

PHARMACEUTICS.

In the Faculty of Science and Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By Manisha Y. Walde (B. Pharm)

Research Guide Dr. Mrs. Suparna S. Bakhle (M. Pharm, Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR - 440016

2022 - 2023



Priyadarshini J. L. College of Pharmacy, Electronic Zone Building, M.I.D.C., Hingna Road, Nagpur- 440016 2022 - 2023

Dr. D. R. Chaple M. Pharm. Ph. D. Principal Priyadarshini J. L. College of Pharmacy Nagpur - 440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "FORMULATION AND EVALUATION OF MUCOADHESIVE IN-SITU GEL OF PROBIOTIC FOR THE MANAGEMENT OF BACTERIAL VAGINOSIS" is submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Manisha Y. Walde, under the guidance and supervision of Dr. Mrs. Suparna S. Bakhle, Associate Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nagpur Date: 30/06/2023-

Dr. D. R. Chaple (Principal) PRINCIPAL Prhyadarshini J. L. Cotlog Pharmacy, Nappur

SOLUBILITY ENHANCEMENT OF POORLY WATER-SOLUBLE BRUG BY HOT MELT ENTRUSION USING HYDROPHILIC POLYMER

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for Degree-

of

MASTER OF PHARMACY

IN.

PHARMACEUTICS

In the Faculty of Science and Technology Ranhtrasont Tukadoji Maharay Nagpur University, Nagpur

Submitted By

Palash M. Balbudhe (B. Pharm)

Research Guide Dr. Mrs. G. R. Dixit (M. Pharm, Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016 2022-2023



PRIVADARSHINLL 1. COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple

Principal,

M. Pharm., Ph. D.

Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is certified that the work investigation described in this dissertation entitled "SOLUBILITY ENHANCEMENT OF POORLY WATER-SOLUBLE DRUG BY HOT MELT EXTRUSION USING HYDROPHILIC POLYMER" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Palash M. Balbadhe, under the guidance and supervision of Dr. Mrs. Gouri R. Dixit, Priyadarshini J. L. College of Pharmacy, Nagpar.

This dissertation is now ready for examination.

her

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College o Pharmacy, Nagpur.

Place: Nagpur

Date: 03/04/28-

FORMULATION AND EVALUATION OF TRIMETAZIDINE HCL MODIFIED RELEASE TABLETS FOR THE MANAGEMENT OF ANGINA PECTORIS

A DISSERTATION

Submitted for the approval of thesis in partial fulfillment of requirements for

Degree of

MASTER OF PHARMACY

IN PHARMACEUTICS

In the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By

MANISH G. KINKAR (8. Pharm)

Research Guide

Dr. Mrs. Kanchan Upadhye (M.Pharm, Ph.D)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR-140016 2022-2023



Priyadarshini J.L. College of Pharmacy,

Electronic Zone Building, M.LD.C., Hingna Road, Nagpur-445916

2022 - 2023



Dr. D. R. Chaple M.Pharm, Ph. D. Principal Priyadarshini J.L. College of Pharmacy Nagpur-440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled

"FORMULATION AND EVALUATION OF TRIMETAZIDINE HCL. MODIFIED RELEASE TABLETS FOR THE MANAGEMENT OF ANGINA PECTORIS", is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur by Manish G. Kinkar under the guidance & supervision of Dr. Mrs. Kancham P. Upadhye Head of department, Priyadarshini J.L. College of Pharmacy, Nagpur

This dissertation is now ready for examination.

Date: 03107123

Place: Nagpur

Dr. D. R. Chaple

(Principal)

Priyadarshini J. L. College of Pharmacy, Nagpur.

hein

FORMULATION AND EVALUATION OF FAST DISSOLVING TABLETS OF AN ORAL HYPOGLYCEMIC AGENT

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology.

Rashtrasant Tukadoji MaharajNaggur University, Naggur

Submitted By Anirudh Upadhyay (B. Pharm)

Research Guide Dr. Mrs. Suparna Rakhle (M. Pharm, Ph. D)



PRIVADARSHINLL L. COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016 2022-2023



PRIVADARSHINLL L. COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple Principal, M. Pharm., Ph. D Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is certified that the work investigation described in this dissertation entitled

"FORMULATION AND EVALUATION OF FAST DISSOLVING TABLETS OF AN ORAL HYPOGLYCEMIC AGENT" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Masharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Mr. Anirudh M Upadhyay, under the guidance and supervision of Dr. Mrs. Suparma Bakhle, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nagpur Date: 30/05/2023-

NRY.

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College o Pharmacy, Nagpur.

FORMULATION AND EVALUATION OF FOAMING TABLET AS AN ORAL CLEANSING AGENT

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for

Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

In the Faculty of Science and Technology,

Rashtrasant Tukadoji MaharajNagpur University, Nagpur

Submitted By Sushma A. Handekar (B. Pharm)

Research Guide Dr. Mrs. Kanchan Upadhye (M. Pharm, Ph. D)



PRIVADARSHINLL L. COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR- 440016 2022- 2023



PRIVADARSHINLL & COLLEGE OF PHARMACY

Electronic Zone Building, MIDC, Hingna Road, Nagpur- 440016

Dr. D. R. Chaple Principal, M. Pharm., Ph. D Priyadarshimi J. L. College of Pharmacy, Nagpur- 440016

CERTIFICATE

This is certify that the work investigation described in this dissertation entitled

"FORMULATION AND EVALUATION OF FOAMING TABLET AS AN ORAL CLEANSING AGENT" is submitted in the partial fulfilment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the faculty of science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Sushma A. Handekar, under the guidance and supervision of Dr. Mrs. Kanchan P.Upadhye, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nampur Date: 28 16 2.3

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College o Pharmacy, Nagpur.

GREEN SYNTHESIS OF SOME NEW QUINOLINE DERIVATIVES AND EVALUATION OF THEIR CNS DEPRESSANT ACTIVITY

THESIS

submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

By

Mr. Jitendra N. Bhalavi

(B.Pharm)

Guide

Dr. D. P. Kawade

(M.Pharm., Ph.D)



PRIVADARSHINI J L COLLEGE OF PHARMACY

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016

2022-2023



PRIVADARSHINI J L COLLEGE OF PHARMACY

Electronic zone Building, MIDC, Hingna Road, Nagpur-440016 Tel. & Fax No. +91+7104-242169, Email: <u>Jerp: reported final.com</u> Webbeite: www.ilcop.lips.net (Approved By AJCTE & DTE, New Della; (NAAC Affiliate) Affiliated to R.T.M. Nagpur University)

Dr. D.R. Chaple M. Pharm, Ph.D. Principal Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "GREEN SYNTHESIS OF SOME NEW QUINOLINE DERIVATIVES AND EVALUATION OF THEIR CNS DEPRESSANT ACTIVITY" submitted in partial fullfilmemet of requirement for degree of master of pharmacy in pharmaceutical chemistry, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The work is original in far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J L College of Pharmacy, Nagpur, by Mr. Jitendra N. Bhalavi under guidance of Dr. Dinesh P. Kawade (Guide) Professor of Pharmaceutical Chemistry Department, Priyadarshini J L College of Pharmacy Nagpur

This thesis is now ready for examination.

Place: Nagpur Date : 2414412423

man)

Dr. Dinesh R. Chaple (Principal) PRINCIPAL Priyadarshini J. L. Collage of Pharmacy, Nagpur,

Design, Synthesis and Biological Evaluation of Some New Thiazolo[3, 2-a]pyrimidine Derivatives

THESES

Submitted in partial fulfillment of requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

By

Kalyani D. Varge

B. Pharm.

Guide Dr. (Mrs.) Alpana J. Asnani M. Pharm., Ph.D.



PRIYADARSHINI J. L. COLLEGE OF PHARMACY ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016

2022-2023



LORMANYA TILAR JANKALYAN SHIKSHAN SANSIHAS PRIYADARSHINI J. L. COLLEGE OF PHARMACY

(Formerly oddat) 3 L. Charavadi College of Pharmary) Decrements one Building, MIDC, Hugen Kool, Nagpur-446016 (M.S.) Tel & Fax No. 191, Title 200301, Used: Discontinued law Workshop environmentation (Approval by ARCIT: & New Daths: Artificial on R.T.M. Nagpur' Disconting, Nagpur) ACCREDITED WITH ORADE B (2003) SAAC

Dr. D. R. Chaple M. Pharm., Ph.D. Principal and Professor, Priyadarshini J. L. College of Pharmacy, Nagpur

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "Design, Synthesis and Biological Evaluation of Some New Thiazolo [3, 2a] pyrimidine Derivatives" submitted in partial fulfillment of requirement for degree of Master of Pharmacy in Pharmaceutical Chemistry, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarahini J. L. College of Pharmacy, Nagpur, by Ms. Kalyani D. Varge under guidance of Dr. (Mrs.) A. J. Asnani Professor and Head of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmaceutical Chemistry Department Pharmaceutical Chemistry Pharmaceutical Chemistry Department Pharmaceutical Chemistry Department Pharmaceutical Chemistry Pharmaceutical Pharmaceuti

This thesis is now ready for examination.

Place: Nagpur

Date: 26/07/2020

N/LT

Dr. Dinesh R. Chaple

(Principal) PRINCIPAL Priyadarahini J. L. College of Pharmacy, Nagpur.

Scanned by CamScanner

Design, Green Synthesis and Biological Evaluation of Some Novel Pyrazole Derivatives as CNS Stimulants

THESIS

Submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Ry

VAIBHAV N. MOHARE

(B. Pharm)

Guide

Dr. Mrs. Alpana J. ASNANI

(M. Pharm., Ph. D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016

2022-2023



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHAS PRIYADARSHINI J. L. COLLEGE OF PHARMACY

(Formerly called; J. L. Chetarvedi College of Pharmacy) Eliminetic zone Building, MIDC, Hingna Road, Nagyur 440016 (M.S.) Tel & Fax No. +91-7104-299530, Essail Incernar predofficult core Website: even polyhedra.it (Approved by AICTL & New Dahi, Affiliated to R.T.M. Nagyar University, Nagyar) ACCREDITED WITH GRADE II." BY NAAC

Dr. D. R. Chaple M. Pharm, Ph.D. Principal Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "Design, Green Synthesis and Biological Evaluation of Some Novel Pyrazole Derivatives as CNS Stimulants" submitted in partial fulfillment of requirement for degree of master of pharmacy in pharmaceutical chemistry, in the faculty of Science and Technology, Rashtrasart Tukadoji Maharaj Nagpur University, Nagpur, The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J. L. College of Pharmacy, Nagpur, by Mr. Vaibhaw N. Mohare under guidance of Dr. Mrs. Alpana J. Asnani (Guide) Professor of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy Nagpur

This thesis is now ready for examination.

Place: Nagpur

Date: 296 06 23

Dr. Dinesh R. Chaple

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Design, Synthesis, and Evaluation of Anticonvulsant Activity of Novel Fused Quinazoline Derivatives

THESIS

Submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

 B_{F}

Mr. Swaraj R. Wankhede

(8.Pharm.)

Guide

Dr. Dinesh, R. Chaple

(M.Pharm., Ph.D.)



Priyadarshini J. L. College of Pharmacy

Electronic Zone Building, MIDC, Hingua Road, Nagpur-440016

2022-2023



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHAS PRIYADARSHINI J L COLLEGE OF PHARMACY

(Formarly called: 3-1. Chatestool College of Pharmacy) Elisationic zone Building, MUX, Hingma Road, Nagpur-440016 (M.N.) Tel & Fan No. (41-7):04-200510, Ernall, <u>Entergenetics/Hitpath.tem</u> Wobsite: univerglice.ubd.do (Approved by AICTE & New Ordbi, Affiliated to R.T.M. Support University, Nagpur) ACCHEDITED WITH CHADE B⁺⁺ BY NAAC

Dr. D.R. Chaple M. Pharm. Ph.D. Principal and Professor, Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is to cirtify that the work investigations described in this thesis, entitled "Design, Synthesis, and Evaluation of Anticonvulsiont Activity of Novel Fused Quinanoline Derivatives" submitted in partial fulfillment of requirement for degree of master of pharmacy in pharmaceutical chemistry, in the faculty of Science and Technology, Rashtrasant Tukdoji Maharaj Naggur University, Naggur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Naggur, by Mr; Swaraj R, Wankhede under guidance of Dr. Dinesh R. Chaple Principal and Professor of Pharmaceutical Chemiatry Department, Priyadarshini J.L. College of Pharmacy Naggur.

This thesis is now ready for examination.

Place: Nagpur

Dr. Dinesh R. Chaple

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Date: 28/05/2023

DESIGN, GREEN SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF SOME NEW BENZOTHIAZOLE DERIVATIVES

THESIS

submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

By

Ms. Cheina R. Pardhi

(B. Pharm)

Guide

Dr. D. P. Kawade (M.Pharm., Ph.D.)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, MIDC, HIGNA ROAD, NAGPUR-440016 2022-2023



PRIYADARSHINI J. L. COLLEGE OF PHARMACY

(Formerly called J.L.Chaturvedi College of Pharmacy) Electronic zone Building, MIDC, Hingna Road, Nagpar-440016 Tel. & Fax No. +91-7104-242169, Email: deep nupsicrediffication website: www.ilcop.him.ng (Approved By AICTE & DTE, New Delhi; (NAAC Affiliate) Affiliated to R.T.M. Nagpur University)

Dr. D. R. Chaple M. Phann. Ph.D. Principal Priyadarshini J. L. College of Pharmacy, Nagpur- 440016.

CERTIFICATE

This is to certify that the work investigations described in this thissis, entitled "DESIGN, GREEN SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF SOME NEW BENZOTHIAZOLE DERIVATIVES" submitted in partial falfillment of requirement for degree of Master of Pharmacy in Pharmaceutical Chemistry, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in the laboratories of Priyadarshini J L College of Pharmacy, Nagpur, by Ms. Chema R. Pardhi under guidance of Dr. Dinesh P. Kawade (Guide) Associate Professor Pharmaceutical Chemistry Department, Priyadarshini J L College of Pharmacy Nagpur.

This thesis is now ready for examination.

Then

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur,

Place: Nagpur

Date: 90/66/23

Design, Synthesis, Characterization and Evaluation of Antidiabetic Activity of Some New Indole Derivatives

THESIS

submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

By

Mr. Prasad A. Taile

B.Pharm.

Guide

Dr. Dinesh. R. Chaple

M.Phann., Ph.D.



Priyadarshini J. L. College of Pharmacy Electronic Zone Building, MIDC, Hingna Road, Nagpur-440016 2022-2023



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHAS PRIYADARSHINI J L COLLEGE OF PHARMACY

(Fonnerly called, J. L. Chataevedi College of Pharmacy) Electronic zone Building, MIDC, Hingna Road, Nagpar-440016 (M.S. iTel & Fax No. +91-7104-299510, Email 1 Jeep repriredifinail.com website: www.pilep.ohuim (Approved by AKTE & New Delhi, Affiliated so R.T.M. Nagpar University, Nagpur) ACCREDITED WITH GRADE B^{**} BY NAAC

Dr. Dinesh. R. Chaple M. Pharm. Ph.D. Principal and Professor, Priyadarshini J. L. College of Pharmacy, Nagyar-440016.

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "Design, Synthesis, Characterization and Evaluation of Antidiabetic Activity of Some New Indole derivatives submitted in partial fulfillment of requirement for degree of master of pharmacy in pharmaceutical chemistry, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J L College of Pharmacy, Nagpur, by Mr. Prasad A. Taile under my gaidance.

This thesis is now ready for examination.

Place: Nagpur Date: 03104123

Theen)

Dr. Dinesh R. Chaple (Principal and Guide)

PRINCIPAL Priyadarahini J. L. College of Pharmacy, Nagpur.

Design, Synthesis and Pharmacological Activity of Chromone Hydrazine Derivatives

THESIS

Submitted in the partial fulfillment of the requirement for the Degree of

Master of Pharmacy

In

Pharmaceutical Chemistry

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

by

Ms. Ashwini D. Tembhare

B. Pharm

Research Guide

Dr. Dinesh R. Chaple

M. Phann, Ph.D.



PRIYADARSHINI J. L. COLLEGE of PHARMACY ELECTRONIC ZONE BEILDING, MIDC, HINGNA ROAD, NAGPUR-440016 2022-2023



LOKMANYA TILAK JANKALYAN SHIKSHAN SANTHA'S

PRIVADARSHINI J.L. COLLEGE OF PHARMACY

(Formerly called; J.L. Chatarvedi College of Pharmacy)

Electronic Zone Doubling, MEX. Hurgon Food, Nagaus 440000 (M.S.)

Tal & Fax No. (91-1004-2003)). E-mail: property and the later. Website: montalized and an

(Appressed Dy AICTE & DTE, New Dells, Affiliated in E.T.M. Hagger University Magner) ACCREDITION WITH DRADE IT BY MAAC

Dr. D. R. Chaple M. Pharm., Ph.D., Principal and Professor Department of Pharmaceutical Chemistry Privadarshini College of Pharmacy, Nagpur

CERTIFICATE

This is to certify that the work investigations described in this thesis entitled "Design, Synthesis and Pharmacological Activity of Chromone Hydrazine Derivatives" submitted in partial fulfillment of requirement for degree of Master of Pharmacy in Pharmaceutical Chemistry, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur by Ms, Ashwini D, Tembhare under my guidance and to my satisfaction.

This thesis is now ready for examination.

Place: Nagpur Date: 0410419.3-

(one)

Dr. D. R. Chaple

(Principal & Guide)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Design and Synthesis of New Benzimidazole Derivatives as Anti-Depressant Activity

THESIS

Submitted in the partial fielfillment of the requirement for the Degree of

MASTER OF PHARMACY

1N

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

69

Ms. Gitanjali R. Gadpayle

B. Pharm

Research Guide

Dr. Disesh P. Kawada

M. Pharm, Ph.D.



PRIYADARSHINLJ, L. COLLEGE of PHARMACY ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016 2022-2023



LOKMANYA TILAL JANGALYAN SHIKSHAN KANTHA S

PRIVADARSHINI LL. COLLEGE OF PHARMACY

(Formerly called; J.L. Chanavedi College of Phannacy)

Electronic Loss Decking, MERC, Hogen Road, Nagper -440030 (M.S.)

Tel & Far Bo (1)-7104-20010, Lonal Discover and Website and an

(Accretion by ACTE & UTE, New Date: Afficiant to E T.M. Nagawe University Haggins') ACCREDITED WITH GRADE B" BY NAAC

Dr. D. R. Chaple M. Phann, Ph.D. Principal and Professor; Priyadarshini J. L. College of Pharmacy, Nagour

CERTIFICATE

This is to certify that the work investigations described in this thesis entitled "Design and Synthesis of New Benzimidazole Derivatives as Anti-depressant Activity" submitted in partial fulfillment of requirement for degree of Master of Pharmacy in Pharmaceutical Chemistry, in the faculty of Science and Technology, Rashtrasant Takadoji Makaraj Noggur University, Nagpur. The work is original as far as my knowledge concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur, by Ms. Gitanjali R. Gadpayle under the guidance of Dr. Dinesh P. Kawade Associate Professor, Department of Pharmaceutical Chemistry at Priyadarshini J.L. College of Pharmacy, Nagpar.

This thesis is now ready for examination.

Place: Negpar Date: 30-06-2023

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Development and Validation of Analytical Methods for Estimation of Preservatives in Pharmaceutical Formulation by AQbD Approach

THESIS

sobmitted in partial fulfillment of requirement for the degree of

Master of Pharmacy In

Pharmaceutical Chemistry

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Submitted by

Miss, Homeshwari P. Patode

| B.Pharm |

Research Guide Dr. Mes. A. J. Asnani

[M. Pharm, Ph. D]



PRIYADARSHINI J. L. COLLEGE OF PHARMACY Electronic Zone Building, MIDC, Hingna Road Nagpur – 440016 2022 - 2023



LORMANYA TILAK JANKALVAN SHIKSHAN SANSTHA'E PRIVADARSHINI J. L. COLLEGE OF PHARMACY

(Fernerly called J. L. Chatarvali College of Photoacy) Electronics Zone Building, MDC: Hittpro Road, Negrar (40016 (M.L.) Tel. Fax No. 101, T104-299310 E-easil: *Jerprogramming Compared Biology*, Wildler and Photochese (Approved By AICTE & New Debit, Afflicted to B. T. M. Nigger University Nagger) ACCREDITED WITH GRADE B^{**} BY NAAC

Dr. D. R. Chaple M.Pharm, Ph.D. Principal and Professor Privadarshini J. L. College of Pharmacy, Nagyor

CERTIFICATE

This is to certify that the work investigations described in this thesis, ontitled "Development and Validation of Analytical Methods for Estimation of Preservatives in Pharmaceutical Formulation by AQbD Approach" submitted in partial fulfillment of requirement for degree of Master of Pharmacy in Pharmaceutical Chemistry, in the faculty of Science and Technology, Ranhtrasart Tukadoji Maharuj Nagpur University, Nagpur. The work is original as far as my knowledge is concerned and not instated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. 1. College of Pharmacy, Nagpur, by Ms. Homesławari P. Patode under guidance of Dr. (Mrs.) Alpana J. Asnani Professor and Head of Pharmaceutical Chemistry Department, Priyadarshini J. 1. College of Pharmacy, Nagpur

This thesis is now ready for examination.

Place: Nagpur Date: 3010512025-

Thur

Dr. D. S. Chaple

(Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

INVESTIGATION ON NOVEL

PHYTOPHARMACEUTICAL COMBINATION IN EXPERIMENTALLY INDUCED SCHIZOPHRENIA LIKE

CONDITION

A DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Submitted By

Mr. Praful D. Padole

B. Pharm

Guide

Dr. D. R. Chaple

M. Pharm, Ph.D.



Department of Pharmacology Priyadarshini J.L. College of Pharmacy, Electronic Zone Building, M.I.D.C., Hingna Road, Nagpur-440016 2022-2023



Dr. D. R. Chaple M. Pharm, Ph.D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this discertation, entitled Investigation on Novel Phytopharmaceutical Combination in Experimentally Induced Schizophrenia Like Condition" is submitted in partial fulfillment for the degree of Master of Pharmacy in Pharmacology, in the faculty of Science and Technology. Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College Pharmacy, Nagpur, by Mr. Praful Padole under my guidance and supervision.

This dissertation is now ready for examination.

Dr. D. R. Chaple

Principal & Guide PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Date: 03/09/2023

Place: Nagpur

PRECLINICAL INVESTIGATION OF HERBAL EXTRACT FOR ITS ANTI-ULCER POTENTIAL

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

In the faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University,

Nagpur,

Submitted by

MS. PRAJAKTA ARJUN HARODE

(B. Pharm)

Research Guide

DR. MRS. SHILPA A. DESHPANDE

(M. Pharm, Ph.D.)



DEPARTMENT OF PHARMACOLOGY PRIVADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016, MAHARASHTRA.

(2022-2023)



Dr. D. R. Chaple M. Pharm, Ph. D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Prectinical Investigation of Herbal Extract for its Anti-oleer Potential" is submitted in partial fulfilment for the degree of Master of Pharmacy in Pharmacology, in faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work had been curried out in laboratory of Priyadarshini J. L. College of Pharmacy, Nagpur, by Mr. Prajakto A. Harode, under the guidance and supervision of Dr. Mrs. Shilpa A. Deshyande, Professor, Priyadarshini J. L. College of Pharmacy, Nagpur

han)

Dr. D. R. Chaple (Principal) PRINCIPAL Priyadarshini 2. L. College of Pharmacy, Nagpur.

Date: 03/04/23 Place: Nagpur

PHARMACOLOGICAL EVALUATION OF SOME PHYTOCONSTITUENTS IN ANIMAL PARADIGMS OF PARKINSON'S DISEASE

A DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree of

Master of Pharmacy

In

Pharmacology

In the Faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Submitted By Mr. Sahil Ahmad Raheemuddin

(B. Pharm)

Gnide Dr. Shilpa A. Deshpande

(M. Pharm, Ph.D.)



Department of Pharmacology Priyadarshini J.L. College of Pharmacy, Electronic Zone Building, M.I.D.C., Hingna Road, Nagpur-440016 2022-23



Dr. D. R. Chaple

M. Pharm. Ph.D.

Principal,

Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Pharmacological Evaluation Of Some Phytoconstituents in Animal Paradigms Of Parkinson's Directe" is submitted in partial folfillment for the degree of Master of Pharmacy in Pharmacology, in the faculty of Science and Technology, Rashtrumant Tukadayi Maharaj Nagpur University, Nagpur-This work is original as far as my knowledge is concerned and not initiated from anywhere. This work has been carried out in laboratories of the Priyadaeshini J. L. College Pharmacy, Nagpur, by Mr. Sahil Ahmad, under the guidance and supervision of Dr. Shilper A. Deshgande , professor, Head of the Pharmacology department at Priyadaeshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Than

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Date: 03/ 01/2023

Place: Nagpur

Investigation on Therapeutic Agent

For Its Anti-Psoriatic Potential

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

> MASTER OF PHARMACY IN PHARMACOLOGY

In the faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur,

Submitted by

MR. SWAPNAY ANIL SHEREKAR

(B. Pharm.)

Research Guide

DR. MRS. ALPANA J. ASNANI

(M. Pharm, Ph.D.)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016, (2022-2023)



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHAS PRIYADARSHINI J L COLLEGE OF PHARMACY

(Ferturely callid; J. L. Chanavask College of Pharmacy) Electronic more Building, MIDC, Herges Road, Nagyor 440016 (M.S.) Tel & Tax No. (91-7306-299310, Email: discontinued flood over Wobsite: seven preparation (Approval by AICTE & New Delbi, Affiliated to B. T.M. Nagyor University, Nagyor) ACCREDITED WITH GRADE IF: BY NAAC

Dr. D. R. Chaple

M. Pharm., Ph. D. Principal & Professor Priyadarshini J. L. College of Pharmacy, Nagpur.

Certificate

This is to certify that the investigations described in this dissertation, entitled "Investigation on Therapeutic Agent for Its Anti-psoriatic potential" is submitted in partial fulfilment for the degree of Maste of Pharmacy in Pharmacology, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College Pharmacy, Nagpur, by Mr. Swapnay Anil Sherekar, under the guidance and supervision of Dr. Mrs. Alpana J. Asnani, professor Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Date: 03/04/23-

Place: Nagpur

There

Dr. D. R. Chaple

(Principal)

PRINCIPAL Priyadarabini J. L. College of Pharmacy, Nagpur.

INVESTIGATIONS OF SOME PHYTOPHARMACEUTICAL

AGENTS IN ANIMAL PARADIGMS OF MEMORY IMPAIRMENT

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of MASTER OF PHARMACY

IN

PHARMACOLOGY

in the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Submitted By

Mr. Bharat G. Dhage

(B. Pharm)

Research Guide

Dr. Shilpa Deshpande (M. Pharm, Ph.D.)



Department of Pharmacology Priyadarshini J. L. College of Pharmacy, ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016

2022-2023



Dr. D. R. Chaple M. Pharm, Ph D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "INVESTIGATION OF SOME PHYTOPHARMACEUTICAL AGENTS IN ANIMAL PARADIGMS OF MEMORY IMPAIRMENT" is submitted in partial fulfillment for the degree of Master of Pharmacy in Pharmacology, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. L. College Pharmacy, Nagpur, by Mr Bharat G. Dhage, under my guidance and supervision Dr. Mrs. Shilpa A. Deshumde, Professor, Priyadarshini J. L. College Pharmacy, Nagpur.

Date: 03 0123 Place: Nagpur

leen

Dr. D. R. Chaple (Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

PHARMACOLOGICAL EVALUATION OF ANTI-ULCER ACTIVITY OF POLYHERBAL COMBINATION IN RODENTS

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

MASTER OF PHARMACY IN PHARMACOLOGY

In the faculty of Science and Technology

Rashtrasant Tukadoji Maharaj Nagpur University.

Nagpur.

Submitted by

MS. DULESHREE HEMANT BRAMHANKAR

(B. Pharm)

Research Guide

DR. MRS. SHILPA A. DESHPANDE (Ms. Pharm, Ph. D.)



DEPARTMENT OF PHARMACOLOGY PRIYADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016, MAHARASHTRA.

(2022-2023)



Dr. D. R. Chaple M. Pharm, Ph.D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Pharmacological evaluation of anti-ideer activity of polyherbal combination in rodents" is submitted in partial fulfulfillment of the degree of Master of Pharmacy in Pharmacology, Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, This work is original as far as my knowledge is concerned and not imitated from anywhere. This work had been carried out in the laboratory of Priyadarshini J. L. College of Pharmacy, Nagpur, by Ms. Duleshree Hemant Bramhankar, under the guidance and supervision of Dr. Shilpa A. Deshpande, Professor, & Head, Pharmacology Department.

Priyadarshini J. L. College of Pharmacy, Nagpur

Date: 03/04/25 Place: Nagpur

Than

Dr. D.R. Chaple (Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Preclinical Investigation of Allo-Herbal Combination in Management of Psychosis like Condition

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

MASTER OF PHARMACY EN PHARMACOLOGY

In the faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted by

MS. YASHASHREE VIJENDRA DHAWALE

(B. Pharm)

Research Guide

DR. MRS. ALPANA J. ASNANI

(M. Pharm. Ph.D)



PRIYADARSHINI J. L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016, MAHARASHTRA, 2022-2023



LORMANYA TILAK JANKALYAN SHIRMBAN SANSTITA'S

PRIVADARSHINLL L. COLLEGE OF PHARMACY

(Formerly valid: 3.5. Chitarveli College of Plannary) Electroners Zone Badding, MIDC, Fingus Rood, Nagna 440010 (M.S.) Tel. Pax No. 401.7104.20030 E and: (Exprared/ord/Bandison, Website array administration (Approved By AICTE & New Della: Affiliated to R.T.M. Nagner University Plagnet) ACCREDITED WITH GRADE B⁺⁺BY NAAC

Dr. D. R. Chaple M.Pharm., Ph.D. Principal and Professor Priyadarshini J. L. College of Pharmacy, Nagpur

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Preclinical Investigation of Allo-Herbal Combination in Management of Psychosis like Condition" is submitted in partial fulfilment for the degree of Master of Pharmacy in Pharmacology, in faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, This work is original as far as my knowledge is concerned and not imitated from anywhere. This work had been carried out in laboratory of Priyadarshini J. L. College of Pharmacy, Nagpur, by Miss. Yashashree V. Dhawale, under the guidance and supervision of Dr. Mrs. Alpana J. Asnani, Professor and head of pharmaceutical chemistry department Priyadarshini J. L. College of Pharmacy, Nagpur,

Date: 03/04/23-Place: Nagpur

The

Dr. D.R. Chaple (Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

PRECLINICAL INVESTIGATION OF COGNITIVE ENHANCERS FOR ANTI-ALZHEIMER ACTIVITY

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

In the faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted by

MS, SHILPA VINOD JAISWAL

(B. Pharm)

Research Guide

DR. MRS. SHILPA A. DESHPANDE

(M. Pharm, Ph.D)



DEPARTMENT OF PHARMACOLOGY

PRIYADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

NAGPUR-440016, MAHARASHTRA. (2022-2023)



Dr. D. R. Chaple

M. Pharm, Ph. D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur.

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Preclinical Investigation of Cognitive Enhancers For Anti-Alcheimer Activity" is submitted in partial fulfilment for the degree of Master of Pharmacy in Pharmacology, in faculty of Science and Technology, Rashtrasam Tukadoji Maharaj Nagnar University, Nagnar. This work is original as far as my knowledge is concerned and not initiated from anywhere. This work had been carried out in laboratory of Priyadarshini J. L. College of Pharmacy, Nagpar, by Miss. Shilpa V. Jaiswal, under the guidance and supervision of Dr. Mrs. Shilpa A. Deshpande, Professor, Priyadarshini J. L. College of Pharmacy, Nagpar.

26heen!

Dr. D.R. Chaple (Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Date: 03/07/03 Place: Nagpur

INVESTIGATION ON NOVEL PHYTOPHARMACEUTICAL

COMBINATION IN EXPERIMENTALLY INDUCED

PARKINSON LIKE CONDITION

A DISSERTATION

Submitted in Partial Fulfillment of the Requirement for the Degree of MASTER OF PHARMACY

IN

PHARMACOLOGY

In the Faculty of Science and Technology Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Submitted By

Aarti R. Shriwas

B. Pharm

Guide

Dr. D. R. Chaple M. Pharm, Ph.D.



Department of Pharmacology Priyadarshini J. L. College of Pharmacy Electronic Zone Building, Hingna Road, Nagpur, Maharashtra 440016 2022-2023



Dr. D. R. Chaple M. Pharm, Ph.D. Principal, Priyadarshini J. L. College of Pharmacy, Nagpur

CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "Investigation on Novel Phytopharmaceutical Combination in Experimentally Induced Parkinson Like Condition" is submitted in partial fulfillment for the degree of Master of Pharmacy in Pharmacology, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of the Priyadarshini J. I. College Pharmacy, Nagpur, by Ms. Aarti R. Shriwas, under my guidance and supervision.

This dissertation is now ready for examination.

Date: 03/04/23 Place: Nagpur

CO

Dr. D. R. Chaple Principal & Guide

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

EVALUATION OF WEDELIA CHINENSIS LEAVES EXTRACT FOR KIDNEY DYSFUNCTION

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur

In Partial Fulfillment of Requirements for the Degree of

MASTER OF PHARMACY.

IN

PHARMACOGNOSY

Submitted By

SWAPNJA B. GUNJARKAR

(B. Pharm)

Guide

Dr. V. D. Gulkari (M. Pharm, Ph.D.)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD,

NAGPUR 440016.

(2022.-2023)

Priyadarshini J.L. College of Pharmacy,

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur,

2022-2023



Dr. D.R. Chaple (M. Pharm., Ph.D.) Principal Priyadarshini J.L. College of Pharmacy, Nagpur-440016,

CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, "Evaluation of Wedella chinensis Leaves Extract for Kidney Dysfunction" submitted in the partial fulfillment of the degree of Master of Pharmacy in Pharmacognosy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This work has not been carried out in any other university. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur by Miss. Swapnja B. Gunjarkar, under the guidance and supervision of Dr. V. D. Gulkari.

This dissertation is now ready for examination.

TohaD

Dr. D. R. Chaple

(Principal)

PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur.

Place: Nagpur Date: 04/02/02

PHYTOCHEMICAL AND PHARMACOLOGICAL EVALUATION OF PLUMERIA RUBRA FOR KIDNEY DYSFUNCTION

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur,

In Partial Fulfillment of Requirements for The Degree of

MASTER OF PHARMACY

IN

PHARMACOGNOSY

Submitted By

SAMIKSHA R. MEHARE

(B. Pharm)

Guide

Dr. V. D. Gulkari

(M. Pharm, Ph.D.)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD,

NAGPUR -440016.

(2022-2023)

Priyadarshini J.L. College of Pharmacy,

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur,

2022-2023



Dr. D.R. Chaple (M. Pharm., Ph.D.) Principal Priyadarshini J.L. College of Pharmacy, Nagpur-440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, "Phytochemical and Pharmacological Evaluation of Plumeria rubra for Kidney Dysfunction" submitted in the partial fulfillment of the degree of Master of Pharmacy in Pharmacognosy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This work hus not been carried out in any other university. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur by Miss, Samiksha R, Mehare, under the guidance and supervision of Dr. V. D. Gulkari.

This dissertation is now ready for examination.

han

Dr. D. R. Chaple

(Principal)

PRINCIPAL Priyadarehini J. L. College of Pharmacy, Negpur.

Place: Nagpur Date: 51425

FORMULATION AND EVALUATION OF ORAL CARE PRODUCT CONTAINING ANTHOCEPHALUS CADAMBA ROXE, LEAVES

THESE

Submitted in partial fulfillment of the requirements for the Degree of

MASTER OF PHARMACY

IN

PHARMACOGNOSY

In the Faculty of Science and Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Submitted By

Ms. Pooja S. Naik

(8. Pharm)

Research Supervisor

Mrs. Shailju G. Gurunani

(M. Pharm)



PRIVADARSHINI J. L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NACPUR-440016

2022-23

PRIVADARSHINLLL: COLLEGE OF PHARMACY, ELECTRONIC ZONE, MIDC, HINGNA ROAD, NAGPUR-16

2022-2023

Dr.Dinesh R. Chaple

Principal.

Priyadarshini JL College of Pharmacy,

Nagpur -440016

CERTIFICATE

This is to certify that the work investigation described in this dissertation, entitled "Formulation and Evaluation of ural care product containing Authorepitates cadanda Roch Lenner", is submitted in partial fulfilment of the requirement for the degree of Manter of Pharmacy in Pharmacognosy, in the Faculty of Science and Technology, Rashtraount Teladopi Maharaj Nagpor University, Nagpur. This work has been carried out in laboratories of the Priyadarshini J. L. College of pharmacy, Nagpur, by Pooja Subhashras Naik, under the gaidance and supervision of Mrs. Shailja G. Gurnnaul, Assistant Professor, Dept, of Pharmacognosy, Priyadarshini J. L. College of Pharmacy, Nagpur

This dissertation is now ready for examination

Place - Nagpur Date: 417123

There

Dr. Dinesh R.Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Nagpur,

PHYTOCHEMICAL AND PHARMACOLOGICAL INVESTIGATION OF VIGNA CAPENSIS FOR ANTIDIABETIC ACTIVITY

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

In Partial Fulfillment of Requirements for The Degree of

MASTER OF PHARMACY

IN

PHARMACOGNOSY

Submitted By

MONIKA W. PARATE

(B. Pharm)

Guide

Dr, V, D. Gulkari

(M. Pharm, Ph.D.)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY,

ELECTRONIC ZONE BUILDING, M.I.D.C., HINGNA ROAD,

NAGPUR-440016.

(2022-2023)

Priyadarshini J.L. College of Pharmacy,

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur,

2022-2023



Dr. D.R. Chaple (M. Pharm., Ph.D.) Principal Priyadarshini J.L. College of Pharmacy, Nagpur-440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, "Phytochemical and Pharmacological Investigation of Vigna capensis for Antidiabetic Activity" submitted in the partial fulfillment of the degree of Master of Pharmacy in Pharmacognosy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This work has not been carried out in any other university. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur by Miss. Monika W, Parate, under the guidance and supervision of Dr. V. D. Guikari.

This dissertation is now ready for examination.

Dr. D. R. Chaple

(Principal) PRINCIPAL Priyadarshini J. L. College of Pharmacy, Naggur,

Place: Nagpur

Date: 06/04/23

Formulation and Evaluation of Nyctanthes arbor-tristis seeds for Antidandruff Properties

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

In Partial Fulfillment of Requirements for The Degree of

MASTER OF PHARMACY

IN

PHARMACOGNOSY

Submitted By

Tina W. Pandel

(Research Scholar)

Guide

Mrs. S. G. Gurunani

(Assistant Professor)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR -440016. (2022 -2023)

Priyadarshini J.L. College of Pharmacy,

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

2022-2023



Dr. D.R. Chaple (M. Phann., Ph.D.) Principal Priyadarshini J.L. College of Pharmacy, Nagpur-440016.

CERTIFICATE

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This dissertation is now ready for examination.

Dr. D. R. Chaple

(Principal) FRINCIPAL Priyatlarshini J. L. College of Pharmacy, Nagpur.

Place: Nagpur Date: 06|04|23

Pharmacognostic and Phytochemical Evaluation of Epiphydium oxypetalum (DC) Haw. from different Geographical Regions of India

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur,

In Partial Fulfillment of Requirements for The Degree of

MASTER OF PHARMACY

IN

PHARMACOGNOSY

Submitted By

Aditya R. Kaikade

(Research Scholar)

Guide

Mrs. S. G. Gurunani

(Assistant Professor)



PRIYADARSHINI J.L. COLLEGE OF PHARMACY, ELECTRONIC ZONE BUILDING, M.LD.C., HINGNA ROAD, NAGPUR -440016. (2022 -2023)

Priyadarshini J.L. College of Pharmacy,

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

2022-2023



Dr. D.R. Chaple (M. Pharm., Ph.D.) Principal Priyadarshini J.L. College of Pharmacy, Nagpur-440016.

CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, "Pharmacognostic and Phytochemical Evaluation of Epiphyllum oxypetatum (DC) Hass. from different Geographical Regions of India" submitted in the partial fulfilment of the degree of Master of Pharmacy in Pharmacognosy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This work has not been carried out in any other university. This work has been carried out in laboratories of Priyadarshini J.L. College of Pharmacy, Nagpur by Mr. Aditya R. Kaikade, under the guidance and supervision of Mrs. S. G. Gurunani.

This dissertation is now ready for examination.

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Dr. D. R. Chaple (Principal) PRINCIPAL Priyadarahini J. College of Pharmaci, sugger.

Place: Nagpur Date: 0610719-3