

Pharmaceutics		
NAME OF SUPERVISORS	NAME OF STUDENT	TITLE OF THE RESEARCH PROJECT
Dr.Mrs.K.P.Upadhye	Anuradha Anil Dhokpande	Development and evaluation of sunscreen gel loaded with microsponges of curcumin and lycopene
DR. Mrs. G. R. DIXIT	Ashish Babarao Belsare	Formulation and Characterization of Extended Release Tablet using Polyvinyl Alcohol Polymer
Dr Mrs S.S Bakhle	Juhi Mohan Makode	Formulation and Evaluation of Proniosomal Gel For Treatment of Skin Infection
DR. Mrs. G. R. DIXIT	Kajal Kumari Sudhir Prasad	Formulation and Characterization of Nano Mucoadhesive Tablet for Vaginal Delivery.
Dr. R. H. Kasliwal	Ketan Ekanath Jambhulkar	Development and Evaluation of Sustained Release Matrix Tablet for Antihypertensive Agent by using Natural Polymer.
Dr. R. H. Kasliwal	Laxman Mukurdwaj Sahu	Formulation and Evaluation of Fast Disintegrating Sublingual Tablet for Anti diabetic Drug using natural Polymer.
Dr.Mrs.K.P.Upadhye	Nikita Dinesh Shukla	Formulation and evaluation of a periodontal dressing containing an antibiotic agent to overcome post surgical complications of periodontal surgery
Dr Mrs S.S Bakhle	Pooja Ramesh Dhenge	Formulation and Evaluation of Dental Insert Containing Antibiotic For The Treatment of Chronic Periodontitis
Dr Mrs S.S Bakhle	Rakshika Mahesh Agrawal	Comparative Studies of Dissolution Enhancement of BCS Class II Drug Through Solid Dispersion and Liquisolid Compact
DR. Mrs. G. R. DIXIT	Sakshi Rajesh Sharma	Solubility Enhancement of Poorly Water Soluble Drug Using Mesoporous Silica Carrier
Dr Mrs S.S Bakhle	Sakshi Vijay Bhope	Development and Evaluation of Mucoadhesive <i>In-Situ</i> Gel of Probiotic For The Management of Bacterial Vaginosis
Dr.Mrs.K.P.Upadhye	Shivani Dilip Dhongde	Formulation and evaluation of natural gum facilitated miconazole drug loaded microsponges based topical gel
Dr.R.H. Kasliwal	Yogita Narayan Chunchuwar	Formulation and Evaluation of Ethosomal Gel for the Management of Fungal Infection.
Pharmaceutical Chemistry		
NAME OF SUPERVISORS	NAME OF STUDENT	TITLE OF THE RESEARCH PROJECT
Dr. D. P. Kawade	Aishwarya Vishwanath	One-Pot Synthesis of Some New Quinoline Derivatives and Their Biological Evaluation
Dr. Dinesh R. Chaple	Aniket Vinod Murkute	Design, Synthesis and Pharmacological Evaluation of 3-formyl Chormone Derivatives for Alzheimer
Dr. D. P. Kawade	Aniqua Tajassum Sattar Sheikh	Green Synthesis of 1,3-Benzothiazole Derivatives and Evaluation of Their Biological Activity
Dr. Mrs. A. J. Asnani	Anirudh Shyam Narayan Mishra	Development and Validation of Stability Indicating Analytical Methods for Estimation of Azilsartan Medoximal Potassium and Related Impurities in API and Formulation by Using the AQbD Approach
Dr. D. P. Kawade	Ashwin Umesh Rahangdale	One-Pot Approach for Synthesis of 1,4- Dihydro Pyridine Derivative Based on Hantzsch Reaction
Dr. Dinesh R. Chaple	Bhagyashri Sanjayrao Patil	Design, Synthesis, Characterization and Biological Evaluation of Thiazolo(3,2-A)Pyrimidine Derivatives
Dr. Dinesh R. Chaple	Dhanshree Rameshrao Bawane	Design and Synthesis of Hydrazino-1,3,4-thiadiazole Derivative for their Anti-inflammatory Activity.
Dr. Mrs. A. J. Asnani	Namrata Devidas Dhote	Development and Validation of Analytical Methods for Estimation of Glucocorticoid Receptor Antagonist with PGE1 Analogue in Pharmaceutical Formulation by AQbD
Dr. Dinesh R. Chaple	Pranita Ishwar Rathod	Extraction, Phytochemical Characterization and Antimicrobial Study of Finger Millets
Dr. Mrs. A. J. Asnani	Priyanka Baban Khedekar	Design, One Pot Synthesis and Pharmacological Studies of 1,2,4-Oxadiazole Derivatives
Dr. Dinesh R. Chaple	Sahil Dilip Gayakwad	Extraction, Phytochemical Characterization and Anti-oxidant Study of Kodo Millets

M. Pharm Sem II Reserch Projects List

Dr. Mrs. A. J. Asnani	Shubhangi Harishchandra Bhow	Design and Green Synthesis of Some New 2-Aryloxy-1,4-Naphthoquinone Derivatives as Antimicrobial Agents
Dr. Dinesh R.Chaple	Shweta Vinayak Rane	Design, Synthesis and Pharmacological Evaluation of Thiazole Derivatives as a Glucokinase Activator
Dr. Mrs. A. J. Asnani	Vaishnavi Shriwanta Bhure	Design, Synthesis and Pharmacological Screening of 4H-3,1-Benzoxazin-4-One Derivatives

Pharmacology

NAME OF SUPERVISORS	NAME OF STUDENT	TITLE OF THE RESEARCH PROJECT
Dr. Mrs. S. A. Deshpande	Abdul Rehmat Abdul Wahab An	Pharmacological evaluation of novel drug combination in experimentally induced Alzheimer like condition
Dr. Mrs. A. J. Asnani	Akshay Diliprao Bidwaik	PHARMACOLOGICAL EVALUATION OF SELECTED PHARMACEUTICAL IN EXPERIMENTALLY INDUCED DEPRESSION LIKE CONDITION
Dr. Mrs. S. A. Deshpande	Binayak Krishna Sarkar	Pharmacological study of food drug interaction for anti-parkinsonian treatment
Dr. D. R. Chaple	Jagruiti Zashiram Thaware	PHARMACOLOGICAL INVESTIGATION OF SELECTED PHYTOPHARMACEUTICAL IN EXPERIMENTALLY INDUCED HYPERLIPIDEMIA
Dr. Mrs. S. A. Deshpande	Mayur Ashok Lohi	Preclinical investigation of novel drug combination for anti-depressant activity
Dr. Mrs. S. A. Deshpande	Prabhu Ramchandra Salekar	Pharmacological evaluation of some topical agents for wound healing activity
Dr. D. R. Chaple	Samiksha Dnyaneshwar Ajmire	PRECLINICAL INVESTIGATION OF SELECTED PHYTO PHARMACEUTICAL IN HYPERLIPIDEMIA LIKE CONDITION
Dr. Mrs. S. A. Deshpande	Satish Vilas Misar	Preclinical investigations of neuroprotective effect of some novel drug combination in experimentally induced dementia
Dr. Mrs. S. A. Deshpande	Sayali Vinod Kurjekar	Pharmacological evaluation of herbal extract for the treatment of bronchitis
Dr. Mrs. S. A. Deshpande	Shreya Bhujang Pathare	Preclinical investigation of effective combination therapy for bronchitis

Pharmacognosy

NAME OF SUPERVISORS	NAME OF STUDENT	TITLE OF THE RESEARCH PROJECT
Dr V D GULKARI	Anushree Vijay Shegaonkar	Formulation and Evaluation of oral dosage form of <i>Uraira picta</i> for the management of Diabetes
Mrs. S.G.Gurunani	Chetana Anil Lahariya	Comparative standardization of Ayurvedic preparation and Homoeopathic tincture
Dr Mrs Sonal Motghare	Jayashri Bhumeswar Telmasar	Standardization of polyherbal formulation for osteoporosis.
Dr V D GULKARI	Mohd Shadabraza Mohd Salim	Formulation, Evaluation and Preclinical activity of Antidandruff Shampoo.
Dr Mrs Sonal Motghare	Pooja Subhash Tarahane	Comparative evaluation of wild and cultivated variety of <i>Emblica officinalis Gaertn plant</i> .
Dr Mrs Sonal Motghare	Puja Ravindra Nagarkar	Comparative study of the inner and outer bark of <i>Azadirachta indica</i> Linn.
Mrs. S.G.Gurunani	Rutuja Narendra Bhadange	Formulation and standardization of lutein containing eye drops.
Mrs. S.G.Gurunani	Sakshi Sitaramji Kamde	Evaluation of <i>Cuscuta reflexa</i> Roxb. collected from two different host plants.
Mrs. S.G.Gurunani	Shatak Anilrao Sahare	Comparative standardization of inhouse prepared and marketed herbal galactogogue granules
Dr Mrs Sonal Motghare	Swapnil Santoshrao Tirmanwar	Sttandardization and comparative evaluation of marketed Lohasava.

**Design, Green Synthesis, and Biological Evaluation of
Some New 2-Aryloxy-1,4-Naphthoquinone Derivatives as
Antimicrobial Agent**

THESIS

Submitted in partial fulfilment 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

Shubhangi H. Bhowate

(B.Pharm)

Guide

Dr. Mrs. Alpana J. Asnani

(M.Pharm., Ph.D)



**PRIYADARSHINI J.L. COLLEGE OF PHARMACY
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NAGPUR-440016
2023-2024**



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M. Pharm., Ph.D.
Principal and Professor,
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Nagpur

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**Design, Green Synthesis, and Biological Evaluation of Some New 2-Aryloxy-1,4-Naphthoquinone Derivatives as Antimicrobial Agent**" 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. Shubhangi H. Bhowate** under guidance of **Dr. (Mrs.) A. J. Asnani** Professor and Head of the Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This thesis is now ready for examination.

Place: Nagpur

Date: 21/05/24

Dr. Dinesh R. Chaple

(Principal)
PRINCIPAL

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Pharmacy, Nagpur.

**GREEN SYNTHESIS OF 1,3-BENZOTHAZOLE DERIVATIVES
AND EVALUATION OF THEIR BIOLOGICAL 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

Ms. Aniqua T. S. Sheikh

(B. Pharm.)

Guide

Dr. Dinesh P. Kawade

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Dr. D. R. Chaple

Principal,

M. Pharm., Ph. D

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

CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled “**Green Synthesis of 1,3-Benzothiazole Derivatives and Evaluation of Their Biological Activity**” is 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**. 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 **Ms. Aniqua T. S. Sheikh**, under the guidance and supervision of **Dr. Dinesh P. Kawade**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nagpur

Date: 26/06/2024

Dr. D. R. Chaple

(PRINCIPAL)

PRINCIPAL
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Pharmacy, Nagpur.

**ONE-POT SYNTHESIS OF SOME NEW QUINOLINE DERIVATIVES
AND THEIR BIOLOGICAL EVALUATION**

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. Aishwarya V. Lichade
(B.Pharm)

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Dr. Dinesh P. Kawade
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ACCREDITED WITH GRADE A+ BY NAAC



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This is to certify that the work investigations described in this thesis, entitled "**One-Pot Synthesis of Some New Quinoline Derivatives and Their Biological Evaluation**" 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. Aishwarya V. Lichade** under guidance of **Dr. Dinesh P. Kawade** Associate Professor Pharmaceutical Chemistry Department, Priyadarshini J L College of Pharmacy Nagpur.

This thesis is now ready for examination.

Place: Nagpur

Date: 24/06/2024

Dr. D. R. Chaple

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PRINCIPAL

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

ONE-POT APPROACH FOR SYNTHESIS OF 1,4- DIHYDRO PYRIDINE DERIVATIVES BASED ON HANTZSCH REACTION

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

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Dr. D. R. Chaple

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CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**ONE-POT APPROACH FOR SYNTHESIS OF 1,4- DIHYDRO PYRIDINE DERIVATIVES BASED ON HANTZSCH REACTION**" 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. Ashwin Umesh Rahangdale** under guidance of **Dr. Dinesh P. Kawade** Associate Professor Pharmaceutical Chemistry Department, Priyadarshini J L College of Pharmacy Nagpur.

This thesis is now ready for examination.

Place: Nagpur

Date: 02/07/24

Dr. Dinesh R. Chaple

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Pharmacy, Nagpur.

**DESIGN AND SYNTHESIS OF HYDRAZINO-1,3,4-THIADIAZOLE
DERIVATIVES FOR THEIR ANTI-INFLAMMATORY
ACTIVITY**

Thesis

Submitted in 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

Submitted

By

**Ms. Dhanshree R. Bawane
B. Pharm.**

Guide

**Dr. D. R. Chaple
(M. Pharm., Ph.D.)**



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Certificate

This is to certify that the work investigation described in this thesis, entitled **“Design and synthesis of hydrazino-1,3,4-thiadiazole derivatives for their anti-inflammatory activity”** submitted in 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**. The 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 **Ms. Dhanshree R. Bawane** under my guidance.

This thesis is now ready for examination.

Place: Nagpur

Date: 01/07/24

Dr. Dinesh R. Chaple

M.Pharm., Ph.D.

Guide and Principal

Priyadarshini J. L. College of
Pharmacy, Nagpur.

**Design, Synthesis, and Pharmacological Evaluation of Thiazole
Derivatives as Glucokinase Activator**

THESIS

Submitted in 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

Shweta V. Rane

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Nagpur- 440016

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "Design, Synthesis, and Pharmacological Evaluation of Thiazole Derivatives as Glucokinase Activator" submitted in 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. The work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J. L. College of Pharmacy, Nagpur, by Ms. Shweta V. Rane under my guidance. This thesis is now ready for examination.

Place: Nagpur

Date: 24/06/2024

Dr. Dinesh R. Chaple

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

EXTRACTION, PHYTOCHEMICAL CHARACTERIZATION AND ANTIOXIDANT STUDY OF KODO MILLET

THESIS

*For the approval of the topic of the thesis to be submitted in 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.

Research Scholar

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Nagpur)

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Nagpur-440016.

CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**Extraction Phytochemical Characterization and Antioxidant Study of Kodo Millet**" submitted in 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. The work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in Priyadarshini J. L. College of Pharmacy laboratories, Nagpur, by Mr. Sahil D. Gayakwad under my guidance.

This thesis is now ready for examination.

Place: Nagpur

Date : 04/07/24

Dr. Dinesh R. Chaple

Principal

PRINCIPAL

Priyadarshini J. L. College of
Pharmacy, Nagpur.

**DESIGN, SYNTHESIS, AND PHARMACOLOGICAL
EVALUATION OF 3-FORMYL CHROMONE DERIVATIVES
FOR ALZHEIMER DISEASE**

THESIS

Submitted in partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

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By

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Dr. Dinesh R. Chaple

M. Pharm., Ph.D.

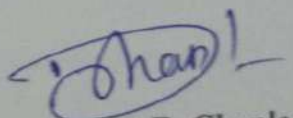
Principal and Professor

CERTIFICATE

This is to certify that the work investigation described in this thesis, entitled "Design, Synthesis, and Pharmacological Evaluation of 3-formyl Chromone Derivatives for Alzheimer Disease" submitted in partial fulfilment 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. The 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. Aniket Vinod Murkute under my guidance Dr. D. R. Chaple, Principal & Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This thesis is now ready for examination.

Place: Nagpur
Date: 07/07/24


Dr. Dinesh R. Chaple
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EXTRACTION, PHYTOCHEMICAL CHARACTERIZATION AND ANTIMICROBIAL STUDY OF FINGER MILLET

THESIS

*For the approval of the topic of the thesis to be submitted in 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.

Research Scholar

MISS. PRANITA I. RATHOD

(B. Pharm)

Research Guide

DR. DINESH. R. CHAPLE

(M. Pharm, Ph.D.)



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2023-2024



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ACCREDITED WITH GRADE A⁺ BY NAAC

Dr. Dinesh R. Chaple

M. Pharm. Ph.D.

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CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**Extraction, Phytochemical Characterization and Antimicrobial Study of Finger Millet**" submitted in 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. The work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in Priyadarshini J. L. College of Pharmacy laboratories, Nagpur, by **Ms. Pranita I. Rathod** under my guidance.

This thesis is now ready for examination.

Place: Nagpur

Date: 01/07/2024

Dr. Dinesh R. Chaple

Principal
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Priyadarshini J. L. College of
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**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

By

Mr. Swaraj R. Wankhede

(B.Pharm.)



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This thesis is now ready for examination.

Place: Nagpur

Date: 28/05/2022

Dr. Dinesh R. Chaple

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Pharmacy, Nagpur.

**DESIGN, SYNTHESIS, CHARACTERIZATION, AND
BIOLOGICAL EVALUATION OF THIAZOLO[3,2-a]PYRIMIDINE
DERIVATIVES
THESIS**

*For the approval of the topic of the thesis to be submitted in partial fulfillment of the
requirement for the degree of*

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

In the Faculty of Science and Technology

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CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**Design, Synthesis, Characterization, and Biological Evaluation of Thiazolo [3,2-a] pyrimidine Derivatives**" submitted in 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. The work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in Priyadarshini J. L. College of Pharmacy laboratories, Nagpur, by Ms. Bhagyashri S. Patil under my guidance. This thesis is now ready for examination.

Place: Nagpur

Date : 21/06/24

Dr. Dinesh R. Chaple

Principal
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Pharmacy, Nagpur.

**Development and Validation of Stability Indicating Analytical Methods
for Estimation of Azilsartan Medoximal Potassium and Related Impurities
in API and Formulation by Using the AQbD Approach**

THESIS

Submitted in partial fulfillment of the requirement for the Degree of

**MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY**

In the Faculty of Science and Technology.
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CERTIFICATE

This is certify that the work investigation described in this dissertation entitled **"Development and Validation of Stability Indicating Analytical Methods for Estimation of Azilsartan Medoximal Potassium and Related Impurities in API and Formulation by Using the AQbD Approach"** is 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**. 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 S. Mishra**, under the guidance and supervision of **Dr. Mrs. Alpana J. Asnani**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Place: Nagpur

Date : 06/06/2024

Dr. D. R. Chaple

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Design, One-Pot Synthesis and Pharmacological Studies of 1,2,4-Oxadiazole Derivatives

THESIS

submitted in partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY IN PHARMACEUTICAL CHEMISTRY

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CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled **"Design, One-Pot Synthesis and Pharmacological Studies of 1, 2, 4-Oxadiazole 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. Priyanka B. Khedekar** under guidance of **Dr. (Mrs.) A. J. Asnani** Professor and Head of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This thesis is now ready for examination.

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Place: Nagpur

Date: 24/06/2024

Design, Synthesis and Pharmacological Screening of 4H-3,1-Benzoxazin-4-one Derivatives

THESIS

Submitted in partial fulfillment of requirement for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

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This is to certify that the work investigations described in this thesis, entitled "**Design, Synthesis and Pharmacological Screening of 4H-3,1-Benzoxazin-4-one Derivatives**" submitted in partial fulfilment 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. Vaishnavi S. Bhure** under guidance of **Dr. (Mrs.) A. J. Asnani** Professor and Head of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This thesis is now ready for examination.

Place: Nagpur

Date: 21/05/24

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**Development and Validation of Analytical Methods for Estimation
of Glucocorticoid Receptor Antagonist with PGE1 Analogue in
Pharmaceutical Formulation by AQbD**

THESIS

Submitted in 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

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CERTIFICATE

This is to certify that the work investigations described in this thesis, entitled "**Development and Validation of Analytical Methods for Estimation of Glucocorticoid Receptor Antagonist with PGE1 Analogue in Pharmaceutical Formulation by AQbD**" 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 is concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J. L. College of Pharmacy, Nagpur, by **Ms. Namrata D. Dhote** under the guidance of **Dr. (Mrs.) A. J. Asnani** Professor and Head of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This thesis is now ready for examination.

Place: Nagpur

Date: 04/07/24

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**STANDARDIZATION OF POLYHERBAL FORMULATION
FOR OSTEOPOROSIS**

THESIS

SUBMITTED TO

Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

In Partial Fulfillment of Requirements for The Degree of

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CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, **"Standardization of polyherbal formulation for osteoporosis."** 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. Jayashri B. Telmasare**, under the guidance and supervision of Dr. Mrs. Sonal P. Motghare.

This dissertation is now ready for examination.

Place: Nagpur

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**STANDARDIZATION AND COMPARATIVE EVALUATION OF
MARKATED LOHASAVA**

THESIS

SUBMITTED TO

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In Partial Fulfillment of Requirements for the Degree of

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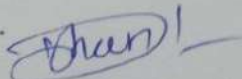


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This is to certify that the work investigation described in this dissertation entitled, **“STANDARDIZATION AND COMPARATIVE EVALUATION OF MARKATED LOHASAVA.”** submitted in the partial fulfillment of the degree of **Master of Pharmacy in Pharmacognosy**, 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 **Mr. Swapnil S. Tirmanwar**, under the guidance and supervision of Dr. Mrs. Sonal P. Motghare

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Place: Nagpur

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**COMPARATIVE EVALUATION OF WILD AND CULTIVATED
VARIETY OF *EMBLICA OFFICINALIS* GAERTN PLANT.**

THESIS

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This is to certify that the work investigation described in this dissertation entitled, **"Comparative evaluation of wild and cultivated variety of *Embllica officinalis* Gaertn plant."** 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. Pooja S. Tarahane**, under the guidance and supervision of Dr. Mrs. Sonal P. Motghare

This dissertation is now ready for examination.

Place: Nagpur

Date: 01/07/24

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FORMULATION AND CHARACTERIZATION OF EXTENDED-RELEASE TABLET USING POLYVINYL ALCOHOL POLYMER

A DISSERTATION

Submitted For the approval of the thesis/ synopsis topic to be submitted in the partial

fulfilment of the requirement for the degree of

Master in Pharmacy

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

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This is to certify that the work investigations described in this thesis, entitled
**"FORMULATION AND CHARACTERIZATION OF EXTENDED RELEASE
TABLET USING POLYVINYL ALCOHOL POLYMER"** submitted in partial
fulfillment of the requirement for degree of Master of Pharmacy in Pharmaceutics, in
the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur
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imitated from anywhere. This work has been carried out in laboratories of the
Priyadarshini J. L. College of Pharmacy, Nagpur, by Mr. Ashish B. Belsare under the
guidance of Dr Mrs G.R Dixit Professor of Pharmaceutics Department, Priyadarshini
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This dissertation is now ready for examination.

Place: Nagpur

Date: 03/07/24

Dr. D. R. Chaple
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PRIYADARSHINI J. L. COLLEGE OF PHARMACY
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**FORMULATION AND EVALUATION OF DENTAL INSERT
CONTAINING ANTIBIOTIC FOR THE TREATMENT OF
CHRONIC PERIODONTITIS**

A DISSERTATION

Submitted in partial fulfillment of the requirement for the Degree of

MASTER OF PHARMACY

IN

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This is to certify that the investigations described in this dissertation, entitled **"Formulation and Evaluation of Dental Insert Containing Antibiotic for the Treatment of Chronic Periodontitis"** is submitted in partial fulfillment 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 had been carried out in laboratory of Priyadarshini J. L. College of Pharmacy, Nagpur, by **Ms. Pooja R. Dhenge**, under the guidance and supervision of **Dr. Mrs. Suparna S. Bakhle**, Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This dissertation is now ready for examination.

Date: 01/07/24
Place: Nagpur

Dr. D. R. Chaple
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PRINCIPAL
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DEVELOPMENT AND EVALUATION OF SUNSCREEN GEL LOADED WITH MICROSPONGES OF CURCUMIN AND LYCOPENE

A DISSERTATION

Submitted in the partial fulfilment of the requirement for the degree of

MASTER OF PHARMACY

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The dissertation is now ready for examination.

Place: Nagpur

Date: 01/07/24

Dr. D. R. Chaple

(Principal)

PRINCIPAL
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Pharmacy, Nagpur.

**FORMULATION AND EVALUATION OF FAST DISINTEGRATION
SUBLINGUAL TABLET FOR ANTIDIABETIC DRUG BY USING
NATURAL POLYMER**

THESIS

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

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Rashtra Sant Tukdoji Maharaj, Nagpur University, Nagpur.

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SUBLINGUAL TABLET FOR ANTIDIABETIC DRUG BY USING
NATURAL POLYMER”** submitted in partial fulfillment of the requirement for
the degree, **Rashtra Sant Tukadoji Maharaj Nagpur University, Nagpur.** The
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This thesis is now ready for examination.

Place: Nagpur

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**FORMULATION AND EVALUATION OF A PERIODONTAL
DRESSING CONTAINING AN ANTIBIOTIC AGENT TO
OVERCOME POST-SURGICAL COMPLICATIONS OF
PERIODONTAL SURGERY**

THESIS

Submitted in partial fulfillment of requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

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**FORMULATION AND CHARACTERIZATION OF
NANO- MUCOADHESIVE TABLET FOR VAGINAL
DELIVERY**

A DISSERTATION

Submitted for the approval of thesis in partial fulfilment of requirements for
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**“FORMULATION AND CHARACTERIZATION OF NANO-MUCOADHESIVE
TABLET FOR VAGINAL DELIVERY”** is submitted in the partial fulfilment of the
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This dissertation is now ready for examination.

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

A DISSERTATION

Submitted for the approval of thesis in partial fulfillment of requirement for
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This is certified that the working investigation described in this dissertation entitled "SOLUBILITY ENHANCEMENT OF POORLY WATER SOLUBLE 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 far as my knowledge is concerned and not imitated from any where. This work has been carried out in laboratories of the Priyadarshini J. L. College of Pharmacy, Nagpur, by Sakshi R. Sharma, 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

Date: 21/06/24

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**DEVELOPMENT AND EVALUATION OF SUSTAINED
RELEASE MATRIX TABLET FOR ANTIHYPERTENSIVE
AGENT BY USING NATURAL POLYMER**

THESIS

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

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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. The work is original as far as my
knowledge is concerned and not imitated from anywhere. This work has been
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**FORMULATION AND EVALUATION OF NATURAL GUM
FACILITATED MICONAZOLE DRUG LOADED
MICROSPONGES TOPICAL GEL**

THESIS

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

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This is to certify that the work investigations described in this thesis, entitled "Formulation and Evaluation of Natural Gum Facilitated Miconazole Drug Loaded Microsponges Topical Gel" submitted in 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. The work is original as far as my knowledge is concerned and not imitated from anywhere. This work has been carried out in laboratories of Priyadarshini J. L. College of Pharmacy, Nagpur, by **Ms. Shivani D. Dhongde** under the guidance of **Dr. (Mrs.) K. P. Upadhye** Professor and Head of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur. This thesis is now ready for examination.

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**PREPARATION AND EVALUATION OF SOLID DISPERSION OF
POORLY SOLUBLE DRUG**

DISSERTATION

Submitted in partial fulfilment of requirements for Degree of

MASTER OF PHARMACY

IN

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**COMPARATIVE STUDIES OF DISSOLUTION ENHANCEMENT OF
BCS CLASS II DRUG THROUGH SOLID DISPERSION AND
LIQUISOLID COMPACT**

A DISSERTATION

Submitted in partial fulfilment of requirement for the degree of

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Place: Nagpur
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**DEVELOPMENT 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 the requirement for the
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**MASTER OF PHARMACY
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This dissertation is now ready for examination.

Place: Nagpur

Date : 01/07/2024


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**PHARMACOLOGICAL EVALUATION OF SOME TOPICAL AGENTS
FOR WOUND HEALING ACTIVITY**

A Thesis

To be submitted in the partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY

IN

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**PRE-CLINICAL INVESTIGATIONS OF
NEUROPROTECTIVE EFFECTS OF SOME
NOVEL DRUGS COMBINATION IN
EXPERIMENTALLY INDUCED DEMENTIA**

A THESIS

Submitted in partial fulfilment of the requirement for the Degree of

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Date: 26/06/2024
Place: Nagpur

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PRE-CLINICAL INVESTIGATION OF EFFECTIVE COMBINATION THERAPY FOR BRONCHITIS

A THESIS

Submitted in partial fulfilment of the requirement for the Degree of

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Date: 01/07/24
Place: Nagpur


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**PHARMACOLOGICAL INVESTIGATION OF SELECTED
PHYTOPHARMACEUTICAL IN EXPERIMENTALLY
INDUCED HYPERLIPIDEMIA**

A Thesis

Submitted in Partial Fulfillment of the Requirement for the Degree of

MASTER OF PHARMACY

IN

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This dissertation is now ready for examination.

Date: 01/07/24

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**PRECLINICAL INVESTIGATION OF SELECTED
PHYTOPHARMACEUTICAL IN HYPERLIPIDEMIC-LIKE
CONDITION**

A Thesis

Submitted in Partial Fulfillment of the Requirement for the Degree of

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Pharmacological Evaluation of Selected Pharmaceutical in Experimentally Induced Depression Like Condition

A THESIS

Submitted in partial fulfilment of the requirement for the Degree of

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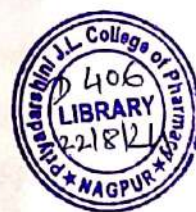
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CERTIFICATE

This is to certify that the investigations described in this dissertation, entitled "**Pharmacological Evaluation of Selected Pharmaceutical in Experimentally Induced Depression 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 **Mr. Akshay D. Bidwaik**, under the guidance and supervision of **Dr. Mrs. Alpna J, Asnani**, Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

Date: 21/05/24

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PRECLINICAL INVESTIGATION OF NOVEL DRUG COMBINATION FOR ANTIDEPRESSANT ACTIVITY

A THESIS

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

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This thesis is now ready for examination.

Date: 01/07/24
Place: Nagpur

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PHARMACOLOGICAL STUDY OF FOOD DRUG INTERACTION FOR ANTI-PARKINSONIAN TREATMENT

A THESIS

Submitted in partial fulfilment of the requirement for the Degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

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**PHARMACOLOGICAL EVALUATION OF NOVEL
DRUG COMBINATION IN EXPERIMENTALLY
INDUCED ALZHEIMER LIKE CONDITION**

A DISSERTATION

Submitted in partial fulfilment of the requirement for the Degree of

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**COMPARATIVE STUDY OF THE INNER AND OUTER
BARK OF AZADIRACHTA INDICA A. JUSS.**

THESIS

SUBMITTED TO

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This is to certify that the work investigation described in this dissertation entitled, "**Comparative Study of the Inner and Outer Bark of *Azadirachta indica* A. Juss.**" 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 Priyadarshini J. L. College of Pharmacy, Nagpur laboratories by **Miss. Puja R. Nagarkar** under the guidance and supervision of Dr. Mrs. Sonal P. Motghare.

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**EVALUATION OF *CUSCUTA REFLEXA* RONB. COLLECTED FROM
TWO DIFFERENT HOST PLANTS**

THESIS

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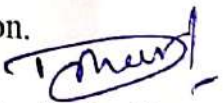
CERTIFICATE

This is to certify that the work investigation described in this dissertation entitled, **"Evaluation of *Cuscuta reflexa* Roxb. collected from two different host plants"** 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 **Ms. Sakshi S. Kamde** under the guidance and supervision of Mrs. S. G. Gurunani.

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Comparative Standardization of Ayurvedic Formulations and Homeopathic Tinctures

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This is to certify that the work investigation described in this dissertation entitled, **Comparative Standardization of Ayurvedic Formulations and Homeopathic Tinctures** 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. Chetana A. Lahariya**, under the guidance and supervision of **Mrs. S. G. Gurunani**.

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Place: Nagpur

Date: 5/7/24

**FORMULATION AND STANDARDIZATION OF LUTEIN
CONTAINING EYE DROP**

THESIS

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This is to certify that the work investigation described in this dissertation entitled, **"Formulation and Standardization of lutein containing eye drop."** 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. Rutuja N. Bhadange** under the guidance and supervision of **Mrs. Shailju G. Gurunani**, Assistant Professor, Dept. of Pharmacognosy, Priyadarshini J. L. College of Pharmacy, Nagpur.

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Place: Nagpur

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**FORMULATION AND EVALUATION OF ORAL DOSAGE FORM OF
URARIA PICTA EXTRACT FOR MANAGEMENT OF DIABETES**

THESIS

SUBMITTED TO

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This is to certify that the work investigation described in this dissertation entitled, **"Formulation and evaluation of oral dosage form of *Uraria picta* extract for management of diabetes"** 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 **Ms. Anushree V. Shegaonkar** under the guidance and supervision of Dr. V. D. Gulkari.

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**“FROMULATION, EVALUATION AND PRE-CLINICAL ACTIVITY OF
ANTIDANDRUFF SHAMPOO”**

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This is to certify that the work investigation described in this dissertation entitled, "Formulation, evaluation and preclinical activity of antidandruff shampoo," 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 **Mr. Mohd Shadab Raza Mohd Salim Shaikh**, under the guidance and supervision of Dr. Mr. V. D. Gulkari

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