

**NAAC CRITERIA 01: Curricular Aspects**

*Field Projects taken during the year*

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## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation, Development and Evaluation of Orodispersible Tablet of Terbutaline Sulphate by Phase Transition Method”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Rohan Rameshwar Bhutada**, under the guidance and supervision of **Dr. Moreshwar P. Patil**. This dissertation is now ready for examination.

Place: Nashik

Date 7/6/22



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: **Nashik**

**Name of Guide**

Date: **7/6/2022**

**Dr. Moreshwar P. Patil,**  
Department of pharmaceutics  
Bhujbal Knowledge City  
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Adgaon, Nashik- 422003

## DECLARATION

I hereby declare that the dissertation entitled "Formulation, Development and Evaluation of Orodispersible Tablet of Terbutaline Sulphate by Phase Transition Method" is based on the work carried out by me in the laboratories of Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003 under the guidance and supervision of Dr. Moreshwar P. Patil.

Place: Nashik

Date: 07-06-2022



Name of student

Mr. Rohan Rameshwar Bhutada





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and Evaluation of Topical Microemulsion Based Anti-Aging Crem”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics) in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Vardhaman Ashok Murkude**, under the guidance and supervision of **Dr. Moreshwar P. Patil**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **7/6/22**



**Dr. S. J. Kshirsagar**

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This dissertation is now ready for examination.

**Dr. Moreswar P. Patil**

**Guide,**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003


Place: **Nashik**

Date: **08/06/2022**

## DECLARATION

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Place: Nashik

  
Mr. Vardhaman Ashok Murkunde

Date: 08/06/22



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“FORMULATION DEVELOPMENT AND EVALUATION OF HESPERIDIN LOADED SOLID LIPID NANOPARTICLES”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy(Pharmaceutics) in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Sachin Chandrashekhar Joshi**, under the guidance and supervision of **Dr. M. P. Patil**.

This dissertation is now ready for examination.

Place: **Nashik**

Date

7/6/22



**Dr. S. J. Kshirsagar**

**Principal**

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MET’s Institute of Pharmacy,  
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This dissertation is now ready for examination.

Place: Nashik

Date: 08/06/2022

A handwritten signature in black ink, appearing to read "Dr. M. P. Patil", written over a horizontal line.

**Dr. M. P. Patil**

**Guide,**

Bhujbal Knowledge City  
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Adgaon, Nashik- 422003



## DECLARATION

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Place: **Nashik**



**Mr. Sachin Chandrashekhar Joshi**

Date: **08-06-2022.**





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“FORMULATION AND EVALUATION OF CHRYSLIN LOADED SOLID LIPID NANOPARTICLES”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics) in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mrs. Pallavi Rajendra Khairnar**, under the guidance and supervision of **Dr. M.P. Patil**.

This dissertation is now ready for examination.

Place: Nashik

Date 7/6/22



**Dr. S. J. Kshirsagar**

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This dissertation is now ready for examination.

Name of Guide

**Dr. Moreshwar P. Patil.**

Bhujbal Knowledge City

MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003

Place: **Nashik**

Date: **7/6/2022**

*Evaluated*  
*(Signature)*  
*Dr. G. G. Patil*

## DECLARATION

I hereby declare that the dissertation entitled “ **FORMULATION AND EVALUATION OF CHIRYSIN LOADED SOLID LIPID NANOPARTICLES**” is based on the work carried out by me in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003** under the guidance and supervision of **Dr. M.P. Patil.**

Place: Nashik

  
Name of student

Date: 07/06/2022

Mrs. Pallavi Rajendra Khairnar

**BHUJBAL KNOWLEDGE CITY**



**MET's INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422003**

**2020-2022**

**CERTIFICATE**

This is to certify that the research work presented in this dissertation entitled, **“Formulation and Evaluation of Edible SLS Free Pro-Biotic Herbal Tooth gel for Treatment of Periodontitis”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by Ms. Roshani Giridhar Bhadane, under the guidance and supervision of **Dr. Nilima A. Thombre**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **11/6/22**

**Dr. S. J. Kshirsagar**  
**Principal**

**Bhujbal Knowledge City**  
**MET's Institute of Pharmacy,**  
**Adgaon, Nashik- 422003**



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This dissertation is now ready for examination.

Place: **Nashik**

Date: 11 / 06 / 2022

**Dr. Nilima A. Thombre**

**Guide,**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003

V.R. Jadhav  
Evaluated by.





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation Development and Evaluation of Resveratrol Nanostructured Lipid Carrier System Loaded Gel”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy(Pharmaceutics) in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Miss. Pooja Shankar Niphade**, under the guidance and supervision of **Dr. Nilima A. Thombre**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: 8/6/22



**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003**





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This dissertation is now ready for examination.

Place: Nashik

Date: 08/06/2022

V. R. Jaedhar  
Evaluated by

Dr. Nilima A. Thombre

Guide,

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Formulation, Development and Evaluation of SLS Free-Probiotic Loaded Herbal Toothpaste for Treatment of Periodontitis" submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003, by Mr. Amit Vitthal Kakad, under the guidance and supervision of Dr. Sanjay J. Kshirsagar.

This dissertation is now ready for examination.

Place: Nashik

Date 9/6/22

Dr. S. J. Kshirsagar

Principal

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003



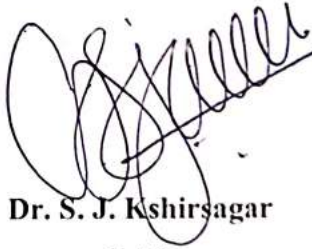
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This dissertation is now ready for examination.

Place: Nashik

Date: 9/6/22



**Dr. S. J. Kshirsagar**  
Guide

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003

## DECLARATION

I hereby declare that the dissertation entitled "Formulation, Development and Evaluation of SLS Free Probiotic Loaded Herbal Toothpaste for Treatment of Periodontitis" is based on the work carried out by me in the laboratories of Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003 under the guidance and supervision of Dr. Sanjay J. Kshirsagar.

Place: Nashik

*Amit Vitthal Kakad*

Amit Vitthal Kakad

Date: 09/06/2022





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled,  
“ **Development and evaluations of curcumin loaded PLGA nanoparticles to treat diabetic retinopathy**” submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy Pharmaceutics, in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET’s **Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by MS. Layba Sajjad Ali Sayyad, under the guidance and supervision of Dr. Sanjay J. Kshirsagar. This dissertation is now ready for examination.

Place: Nashik

Date: 7/6/22

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003



## CERTIFICATE

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Place: Nashik

Date: 7/6/22

A handwritten signature in blue ink, appearing to be "Sanjay J. Kshirsagar", written over a horizontal line.

Name of the Guide

Dr. Sanjay J. Kshirsagar.





## DECLARATION

I hereby declare that the dissertation entitled “**Development and evaluations of curcumin loaded PLGA nanoparticles for non-invasive treatment of diabetic retinopathy**” is based on the work carried out by me in the laboratories of MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2020-2021 under the guidance and supervision of Dr. Sanjay J. Kshirsagar and Dr. Umesh D. Laddha.

Place: Nashik

Date: 9<sup>th</sup> June '22

A handwritten signature in black ink, appearing to read "Layba Sajjad Ali Sayyad", is written over the printed name of the student.

Name of the student

Layba Sajjad Ali Sayyad



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation And Evaluations of Novel Orally Disintegrating Tablet of Domperidone”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Mahesh Appasaheb Funde**, under the guidance and supervision of **Dr. Sanjay J. Kshirsagar**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **13/8/22**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: Nashik

Date: 13/6/22



Dr. Sanjay J. Kshirsagar

Guide,

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003

Evaluated By  
Aditya  
13/6/2022  
(Wagh B.P.)

## DECLARATION

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Place: Nashik

  
Mr. Mahesh Appasaheb Funde

Date: 13-06-2022



ADGAON, NASHIK-422003



2020-2022

## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Design and Development of Curcumin Loaded Solid Lipid Nanoparticles for Colon Targeted Drug Delivery”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (**Pharmaceutics**), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by, **Miss. Tejaswini Ratanrao Padole** under the guidance and supervision of **Dr. Sanjay J. Kshirsagar**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **11/6/22**

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: Nashik

Date: 11/6/22

**Dr. Sanjay J. Kshirsagar**

Guide,

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003

Evaluated By,  
Bhujbal  
(Wagh B.P.) 13/6/22



## DECLARATION

I hereby declare that the dissertation entitled “Design and Development of Curcumin Loaded Solid Lipid Nanoparticles for Colon Targeted Drug Delivery” is based on the work carried out by me in the laboratories of Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003 under the guidance and supervision of Dr. Sanjay J. Kshirsagar.



Miss. Tejaswini Ratanrao Padole

Place: Nashik

Date: 11/06/2022



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and Characterization of Olmesartan Medoxomil Nanocrystals for Solubility Enhancement.”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (**Pharmaceutics**) in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Rupali Nitin Kanade**, under the guidance and supervision of **Dr. Sapana. P. Ahirrao**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **7/5/22**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: **Nashik**

Date: **06/06/2022**

*Evaluated*  
*(Name)*  
*9.6.22*  
*(C.K.G. Ewonde)*

*Sapana P. Ahirrao*  
Name of Guide

**Dr. Sapana. P. Ahirrao,**  
Department of Pharmaceutics  
Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003

THE MET LEAGUE OF COLLEGES  
**MET**  
AS SHARP AS YOU CAN GET

CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "**Solubility enhancement of etodolac drug by co-crystal engineering using suitable co-former**" submitted in the partial fulfillment of the requirement for the degree of master of pharmacy (Pharmaceutics), in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by **Mr. Dinesh Kailas Kuber** under the guidance and supervision of **Dr. Sapana Ahirrao**. This dissertation is now ready for examination.

Place: **Nashik**

Date: **7/6/22**



A handwritten signature in blue ink, appearing to read "Dr. S. J. Kshirsagar".

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003

THE MET LEAGUE OF COLLEGES  
**MET**  
AS SHARP AS YOU CAN GET

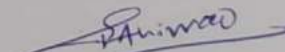
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This dissertation is now ready for examination.

Place: **Nashik**

Date: **07/06/2022**

  
**Dr. Sapana Ahirrao**

**Research Guide**

Bhujbal Knowledge City  
MET’s Institute of pharmacy,  
Adgaon, Nashik-422003

*Examined*  
*(Signature)*  
*(C.K. of Examiners)*





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and Development of Danazol Vaginal Suppositories in Treatment of Uterine Disorder Endometriosis”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy(Pharmaceutics), in faculty of Pharmaceutical Sciences, Savitribai Phule Pune University ,Pune was carried out in the laboratories of **Bhujbal Knowledge City , MET’s Institute of Pharmacy , Adgaon ,Nashik -422003**, by **Mr. Piyushgir Sanjaygir Gosavi** ,under the guidance and supervision of **(Dr. S. P. Ahirrao )**.

This dissertation is now ready for examination.

Place : Nashik

Date: 7/6/22



**Dr. Sanjay Kshirsagar**  
**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy  
Adgaon ,Nashik-422003



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This dissertation is now ready for examination.

Place : Nashik

Date: 07/06/2022

Dr. S. P. Ahirrao

Guide

Examined  
07/06/22  
(K. B. Gorante)



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and Evaluation of Thermoreversible *In- Situ* Gel for Nose to Brain Delivery of Antiretroviral Drug for treatment of NeuroAIDS”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Rushikesh B. Shinde**, under the guidance and supervision of **Dr. Smita P. Kakad**.

This dissertation is now ready for examination.

Place: **Nashik**

Date 11-06-2022

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

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Place: **Nashik**

Date **11/06/2022**

A handwritten signature in blue ink, appearing to read "Dr. S. J. Kshirsagar", is written over a faint, illegible stamp.

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’ s Institute of Pharmacy,  
Adgaon, Nashik- 422003





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation, Development and Evaluation of Folding Mucoadhesive Patch Containing Propranolol Hydrochloride”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Rajat Pradumna Vishwakarma**, under the guidance and supervision of **Dr. D. S. Bhambere**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: *08/06/2022*



**Dr. S. J. Kshirsagar**  
**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003





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This dissertation is now ready for examination.

Place: **Nashik**

Date: **08/06/2022**

*Signature*  
*Adgaon*  
*26/6/22*  
*(K. S. Bhandari)*

**Dr. Deepak S. Bhambere**

**Guide,**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“FORMULATION AND OPTIMIZATION OF LOPINAVIR LOADED PLGA NANOPARTICLES ”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Vaishali Ganesh Mundhe**, under the guidance and supervision of **Dr. Smita P. Kakad**.

This dissertation is now ready for examination.

Place: Nashik

Date 10/06/2022

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**Dr. S. J. Kshirsagar**

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Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: Nashik

Date: 10/06/2022

**Dr. Smita P. Kakad**

**Guide,**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003

V.R. Jadhav

Evaluated by ,

**ACCELERATED AND REAL TIME STABILITY DATA  
GENERATION OF SOME AYURVEDIC PRODUCTS**

**A Dissertation Submitted**

**To**

**Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of**

**Degree of**

**MASTER OF PHARMACY**

**IN**

**QUALITY ASSURANCE TECHNIQUES**

**In Faculty of Science and Technology**

**BY**

**Mr. RAHUL SHARAD GAYAKE**

**GUIDE**

**Dr. GITANJALI S. DEOKAR**



**BHUJBAL KNOWLEDGE CITY**

**MET's INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2020-2022**





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Accelerated and Real Time Stability Data Generation of Some Ayurvedic Products”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by **Mr. Rahul Sharad Gayake**, under the guidance and supervision of **Dr.Gitanjali S. Deokar**. This dissertation is now ready for examination.

Place: Nashik

Date: 13/06/2022

A handwritten signature in black ink, appearing to be "Dr. S. J. Kshirsagar", written over a faint red stamp.

**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003**





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Place: **Nashik**

Date: **13/06/2022**

**Name of the Guide**

**Guide**

**Dr.Gitanjali S. Deokar**

Head, Department of Quality Assurance

Bhujbal Knowledge City

MET’s Institute of Pharmacy,

Adgaon, Nashik- 422 003.

Evaluated By,

13/6/2022  
(Wagh B.P.)



## DECLARATION

I hereby declare that the dissertation entitled “**Accelerated and Real Time Stability Data Generation of Some Ayurvedic Products**” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2021 under the guidance and supervision of **Dr.Gitanjali S. Deokar**.

Place: **Nashik**

Date: **13/06/2022**

**Mr. Rahul Sharad Gayake**

**“INVESTIGATIONS ON PREBIOTIC POTENTIALS OF  
VEGETABLE AND AGRICULTURE WASTE  
MATERIAL”**

**A Dissertation Submitted To**

**Savitribai Phule Pune university, Pune**

**In partial Fulfillment of Requirements for the Award of**

**Degree of**

**MASTER OF PHARMACY**

**IN**

**QUALITY ASSUREANCE TECHNIQUES**

**IN FACULTY OF SCIENCE AND TECHNOLOGY**

**BY**

**Mr. KRUSHNA LAXMANRAO JADHAV**

**GUIDE**

**Dr. GITANJALI S. DEOKAR**



**BHUJBAL KNOWLEDGE CITY  
MET's INSTITUTE OF PHARMACY  
ADGAON, NASHIK-422003,  
2020-2022**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Investigations on Prebiotic Potentials of Vegetable and Agriculture Waste Material”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Krushna Laxmanrao Jadhav**, under the guidance and supervision of **Dr. Gitanjali S. Deokar**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **13/06/22**

A handwritten signature in black ink, appearing to read "S. J. Kshirsagar", written over a horizontal line.

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003





## CERTIFICATE

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This dissertation is now ready for examination.

Place: **Nashik**

Date: **13/06/22**

A handwritten signature in black ink, appearing to read "Gitanjali S. Deokar".

**Dr. Gitanjali S. Deokar**

**Guide,**

**Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003**



## DECLARATION

I hereby declare that the dissertation entitled "**Investigations on Prebiotic Potentials of Vegetable and Agriculture Waste Material**" is based on the work carried out by me in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003** under the guidance and supervision of **Dr. Gitanjali S. Deokar**.

Place: **Nashik**

  
**Krushna Laxmanrao Jadhav**

Date: **13/06/22**

**Design, Development, and Evaluation of Feed Formulations  
Using Vegetable and Agricultural Waste Materials**

**A Dissertation Submitted To**

**Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of**

**Degree of**

**MASTER OF PHARMACY**

**IN**

**Quality Assurance Techniques**

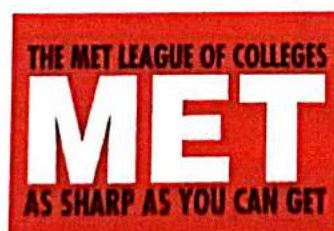
**In Faculty of Science and Technology**

**BY**

**Ms. Vaibhavi P. Mali**

**Guide**

**Dr. Gitanjali S. Deokar**



**BHUJBAL KNOWLEDGE CITY**

**MET's INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2020-2022**

## CERTIFICATE



This is to certify that the research work presented in this dissertation entitled, **“Design, Development, and Evaluation of Feed Formulations Using Vegetable and Agricultural Waste Materials”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality assurance techniques), in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Vaibhavi Premraj Mali**, under the guidance and supervision of **Dr. Gitanjali S. Deokar**

This dissertation is now ready for examination.

A handwritten signature in black ink, appearing to be "S. J. Kshirsagar", written over a horizontal line.

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003

Place: Nashik

Date: 13/06/2022.

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This dissertation is now ready for examination.

Place: Nashik

Date: 13/06/2022

  
Dr. Gitanjali Deokar

Evaluated by  
  
13/6/2022  
(Wagh B.P.)



## DECLARATION



I hereby declare that the dissertation entitled “**Design, Development, and Evaluation of Feed Formulations Using Vegetable and Agricultural Waste Materials**” is based on the work carried out by me in the laboratories of MET’s **Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Dr. Gitanjali S. Deokar**

Place: **Nashik**

Date: **13/06/2022.**

A handwritten signature in black ink, appearing to read "Valbhavi", is written over a circular stamp or seal.

**Valbhavi Premraj Mali**



**“INVESTIGATION ON *ELEUSINE CORACANA*  
RAGI SEEDS PECTIN AND STARCH AS A TABLE  
EXCIPIENTS”**

**A Dissertation Submitted To**

**Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of  
Degree of**

**MASTER OF PHARMACY**

**IN**

**QUALITY ASSURANCE TECHNIQUES**

**In Faculty of Science and Technology**

**BY**

**Ms. SHAISTA SHAREEF PINJARI**

**Guide**

**Dr. GITANJALI S. DEOKAR**



**BHUIBAL KNOWLEDGE CITY  
MET's INSTITUTE OF PHARMACY  
ADGAON, NASHIK-422003**

**2020-2022**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Investigation on *Eleusine coracana*\_Ragi Seeds Pectin and Starch as a Tablet Excipients", submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003, by Ms. Shaista Shareef Pinjari, under the guidance and supervision of Dr. Gitanjali S. Deokar.

This dissertation is now ready for examination.

Place: Nashik

Date 13/05/22

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Investigation On *Eleusine coracana*\_Ragi Seeds Pectin And Starch as a Tablet Excipients." submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Shaista Shareef Pinjari**, under my guidance and supervision.

This dissertation is now ready for examination.

Place: **Nashik**

Date: 13/06/22

**Dr. Gitanjali S. Deokar**

**Head, Department of Quality Assurance**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003

## DECLARATION

I hereby declare that the dissertation entitled "*Investigation On Eleusine coracana Ragi Seeds Pectin And Starch As A Tablet Excipients*" is based on the work carried out by me in the laboratories of Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003 under the guidance and supervision of Dr. Gitanjali S. Deokar.

Place: Nashik

  
Ms. Pinjari Shaista Shareef

Date: 13/06/22





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation Development And Evaluation Of Mebendazole Tablet By QbD Approach ”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by **Ms. Karishma Subhash Sandhyanshe**, under the guidance and supervision of **(Dr. Nilima A. Thombre)**. This dissertation is now ready for examination.

Place: **Nashik**

Date: **11<sup>th</sup> June 2022**

A handwritten signature in blue ink, appearing to be "Dr. S. J. Kshirsagar".

**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City**

**MET’s Institute of Pharmacy,**

**Adgaon, Nashik- 422 003**





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Place: **Nashik**

Date: **11<sup>th</sup> June 2022**

**Name of the Guide**

**Guide**

**Dr. Nilima A. Thombre**

Department of Pharmaceutics

MET Institute of Pharmacy,

Adgaon, Nashik-422003.

**V.R. Jaethar**  
Evaluated by



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation development and evaluation of metoprolol succinate extended-release tablets resistant to alcohol induced dose dumping”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Technique), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2021 by **Mr. Huzefa Ahmed Bashiruddin Shaikh**, under the guidance and supervision of **Dr. Nilima A. Thombre**

This dissertation is now ready for examination.

Place: **Nashik**

Date: **11/06/2022**

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003



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This dissertation is now ready for examination.

**Dr. Nilima A. Thombre**

**Guide**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003

Place: **Nashik**

Date: 11/06/2022

V.R. Jadhav  
evaluated by



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation, development and characterisation of PLGA-Luliconazole nanoparticles loaded gel system for topical fungal treatment”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Mrunal Tanaji Pekhale**, under the guidance and supervision of **Dr. Santosh S. Chhajed**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **9/06/2022**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003





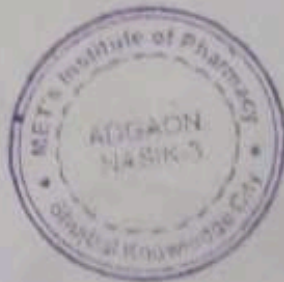
## CERTIFICATE

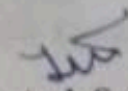
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This dissertation is now ready for examination.

Place: Nashik

Date: 9/06/2022



  
Dr. Santosh S. Chhajed

Guide,

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, “\_Development and validation of stability indicating HPLC method for estimation of Lopinavir in bulk and tablet formulation” submitted in the partial fulfillment of the requirement for the degree of **Master of Pharmacy (Quality Assurance Techniques)**, in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik-422003**, by **Ms.Pooja Raju Shinde** under the guidance and supervision of **Dr.Sandeep S.Sonawane**. This dissertation is now ready for examination.

Place: **Nashik**

Date **13/06/22**



**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development and validation of stability indicating HPLC method for estimation of Lopinavir in bulk and tablet formulation”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (**Quality Assurance Techniques**), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms.Pooja Raju Shinde**, under my guidance and supervision **Dr. Sandeep S.Sonawane**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **13/06/22**



**Dr. Sandeep S. Sonawane**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Development and validation of stability indicating HPLC method for estimation of Sofosbuvir in bulk and tablets" submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Mr.Diptanshu Sandip Kasar**, under my guidance and supervision.

This dissertation is now ready for examination.

Place: Nashik

Date: 13/06/2022



Dr. Sandeep S. Sonawane

Research Guide,

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development and validation of stability indicating HPLC method for estimation of Sofosbuvir in bulk and tablets”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy, (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Mr. Diptanshu Sandip Kasar**, under the guidance and supervision of **Dr, Sandeep S. Sonawane**. This dissertation is now ready for examination.

Place: **Nashik**

Date **13/06/2022**



**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development, Validation and Comparative study of Chlorthalidone between Generic dosage form and Branded dosage form”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by Mr /Ms/Mrs. **PRIYA MANIK GADAKH**, under the guidance and supervision of **DR.SANDEEP S. SONAWANE**.

This dissertation is now ready for examination.

Place: Nashik

Date 13/6/22



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
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This dissertation is now ready for examination.

Place: Nashik

Date: 13/06/2022



*[Handwritten signature]*  
14.6.2022

*[Handwritten signature]*

Dr. Sandeep S. Sonawane

Guide,

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

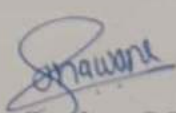
This is to certify that the research work presented in this dissertation entitled, “DEVELOPMENT AND VALIDATION OF STABILITY INDICATING HPLC METHOD FOR ESTIMATION OF DIFLUNISAL IN BULK AND TABLET FORMULATION” submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Quality Assurance Techniques), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by Ms. Tejaswi Dattaprasad Kandalkar, under my guidance and supervision.

This dissertation is now ready for examination.

Place: Nashik

Date: 13/6/2022



  
Dr. Sandeep S Sonawane

Guide,

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik-422003





## CERTIFICATE

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This dissertation is now ready for examination.

Place: Nashik

Date: 13/6/2022



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik - 422003



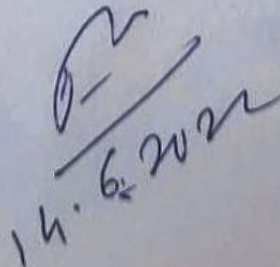
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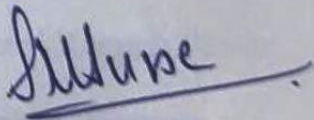
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This dissertation is now ready for examination.

Place: **Nashik**

Date: **14/06/2022**

  
14.6.2022

  
**Dr. Sunita Narendra Surse**

**Research Guide,**

Bhujbal Knowledge City  
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Place: **Nashik**

Date: **16<sup>th</sup> June 2022**



**Dr. Sunita Narendra Surse**

**Research Guide,**

**Bhujbal Knowledge City  
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Adgaon, Nashik- 422003**

**14.6.2022**





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Date 16<sup>th</sup> June 2022



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This dissertation is now ready for examination.

Place: Nashik

Date 10/06/2022

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Date: 10/06/2022

**Dr. Smita P. Kakad**

**Guide,**

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Evaluated by





## CERTIFICATE

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Place: **Nashik**

Date **13/06/2022**

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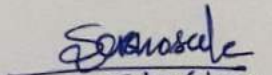
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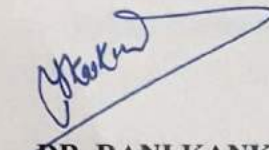
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Place: **Nashik**

Date: **13/06/2022**

  
**13/06/22**

**Dr. Bhujbal S.K**

  
**DR. RANI KANKATE**

**Guide,**

**Bhujbal Knowledge City  
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Adgaon, Nashik- 422003**

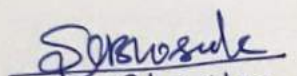


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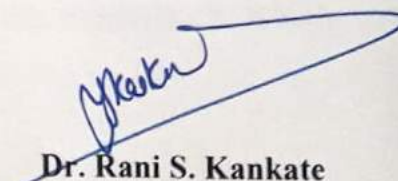
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Place: **Nashik**

Date: **13/06/2022**

  
**13/06/22**

**Dr. Bhosale .S.K .**

  
**Dr. Rani S. Kankate**

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Place: Nashik

Date 9/6/22



A handwritten signature in blue ink, appearing to read "S. J. Kshirsagar".

Dr. S. J. Kshirsagar

Principal

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003





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This dissertation is now ready for examination.

Place: **Nashik**

Date: 9/6/22

**DR. SANTOSH S. CHHAJED**

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Adgaon, Nashik- 422003



## CERTIFICATE

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This dissertation is now ready for examination.

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Place: Nashik

Dr. S. J. Kshirsagar

Principal

Date 11/6/22

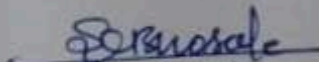
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This dissertation is now ready for examination.

  
13/06/2022  
Dr. Bhosale O.K

Place: Nashik

Date: 13/06/2022



**Dr. Santosh S. Chhajed**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422003





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "**To Develop and Validate HPLC Method for Simultaneous Estimation of Ofloxacin and Glimepiride and its Application There Off**" submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutical Chemistry), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET's Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Sakshi Rajendra Kapure**, under the guidance and supervision of **Dr. Santosh S. Chhajed**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **09-06-2022**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
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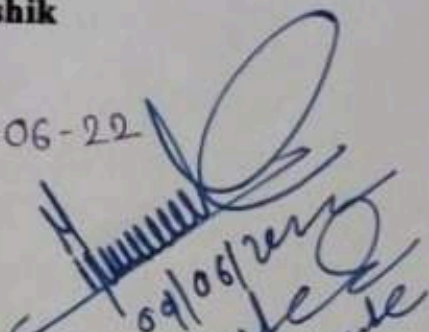
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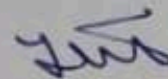
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This dissertation is now ready for examination.

Place: **Nashik**

Date: 09-06-22

  
09/06/22  
Evaluator  
P. A. Patil



**Dr. Santosh S. Chhajed**

**Guide**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Design, Synthesis And Biological Evaluation Of Pyrazoline Derivatives For Antidepressant Activity ”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutical Chemistry), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Komal Sanjay Ushir**, under the guidance and supervision of **Dr Dinesh .D. Rishipathak**.

This dissertation is now ready for examination.

Place: **Nashik**

Date **11/06/2022**

**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
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## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, “**Synthesis and pharmacological evaluation for antianxiety activity of few pyrazolyl thiazolinone derivatives**” submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (specialization), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Miss. Raut Manisha Manohar**, under the guidance and supervision of **Dr. Dinesh D. Rishipathak**.

This dissertation is now ready for examination.

Place: **Nashik**

Date

10/6/2



**Dr. S. J. Kshirsagar**

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**Bhujbal Knowledge City  
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## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development and validation of stability indicating RP-HPLC method for Ritonavir and its forced degradation”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (specialization), in the Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune; was carried out in the laboratories of **Bhujbal Knowledge City, MET’s Institute of Pharmacy, Adgaon, Nashik-422003**, by **Ms. Manasvi Sudhir Patil**, under the guidance and supervision of **Dr. D. D. Rishipathak**. This dissertation is now ready for examination.

Place: **Nashik**

Date **09/06/22**

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**Dr. S. J. Kshirsagar**

**Principal**

**Bhujbal Knowledge City  
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# CERTIFICATE

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This dissertation is now ready for examination.

Place: Nashik

7/6/22



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Place: **Nashik**

Date **15/6/22**

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Place: **Nashik**

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**Guide**

**Dr. N. L. Dashputre**

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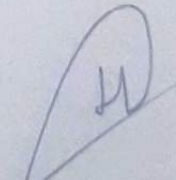
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Name of the Guide

**Dr. N. L. Dashputre**

**Bhujbal Knowledge City MET’s**

**Institute of Pharmacy, Adgaon,**

**Nashik- 422003**



## CERTIFICATE

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Place: **Nashik**

Date **25/06/22**

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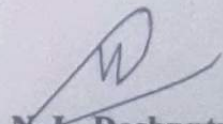
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This dissertation is now ready for examination.

Place: Nashik

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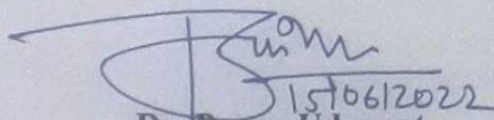
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15/06/2022  
Dr. Pavan Udavant

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Adgaon, Nashik- 422003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Assessment of antidiabetic potential of nerolidol on alloxan induced diabetic rats”** submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmacology), in the Faculty of Science and Technology, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by **Mr. Musab Tanzeel Riyaz Ahmed**, under the guidance and supervision of **Dr. Pavan B. Udavant** .

This dissertation is now ready for examination.

Place: **Nashik**

Date: **15/6/22**

**Dr. S. J. Kshirsagar**

**Principal**

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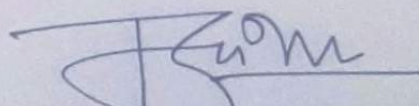


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Place: **Nashik**



**Dr. Pavan B. Udavant**

Date: **15/06/2022**

**Guide**



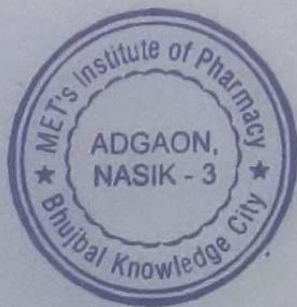
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This is to certify that the research work presented in this dissertation entitled, “**Exploration of nootropic activity of Zingerone and Trimyristin against scopolamine induced amnesia on rat**” submitted in the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmacology), in the Faculty of Science and Technology, Savitribai Phule Pune University, was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2020-2022 by **Miss Chavan Sonali Ramesh**, under the guidance and supervision of **Dr. Pavan B. Udavant and Prof. R. R. Sable**.

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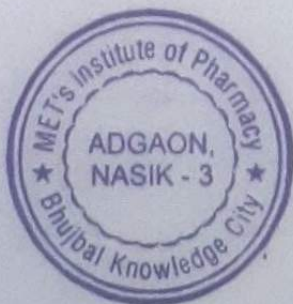


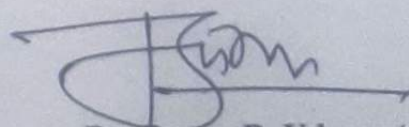
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**Dr. Pavan B. Udavant**

Date: **6/7/2022**

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1.	Abhijit Sainath Deore Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Structured Based Design and Synthesis of Substituted Triazines as Anticancer Agents

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Amol Vishwanath Tonde Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Enzymatic Hydrolysis of Gluten Using Some Proteolytic Enzymes For The Possible Treatment of Celiac Disease

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Arya Mukund Kulkarni Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Employing Crystal Engineering Technique to Modulate Biopharmaceutical Properties of Some Active Pharmaceutical Ingredients

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1.	Bindu Chandrakant Ghodeswar Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Synthesis and Characterization of Multicomponent Solid forms of Some Active Pharmaceutical Ingredients - A Crystal Engineering Approach

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1.	Dadasaheb Madhukar Kawade Guide : Dr. Rishipathak Dinesh Dattatraya 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Design, Synthesis and Biological Evaluation of Thiazolidinedione Derivatives as Antidiabetic Agents

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Deepali Dattatraya Wagh Guide : Dr. Kankate Rani Shantaram 	Topic Approved and Admitted w.e.f. 27/08/2022 as follows :- Design, Synthesis, Characterization and Anticancer Evaluation of Some Novel Substituted Benzimidazole Derivatives

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Deshmukh Sampada Laxman Guide : Dr. Kankate Rani Shantaram 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Design, synthesis and evaluation of anticancer activity of substituted benzimidazole derivatives

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Madhuri Pandurang Khedkar Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Analytical Method Development and Validation of Stability Indicating HPLC Methods for few COPD Drugs

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Mayur Popat Sawant Guide : Dr. Deokar Gitanjali Sambhajirao 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Formulation, Optimization and Evaluation of Nanoparticulate Drug Delivery System for treatment of cancer

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Puja Manulal Waghela Guide : Dr. Thombre Nilima Abhijeet 	Topic Approved and Admitted w.e.f. 27/08/2022 as follows :- Formulation Development and Evaluation of Colon Targeted Drug Delivery System

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Rajendra Tryambak Mogal Guide : Dr. Patil Moreshwar Pandharinath 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Formulation Development and Evaluation of Poorly Soluble Drugs by Cocrystal Technique

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1.	Rupesh Anil Saindane Guide : Dr. Thombre Nilima Abhijeet 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Formulation Development and Evaluation of Co- crystal Drug Delivery System

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Sir/Madam

The Ph.D. cases forwarded by your Institute/Centre were placed before the Research & Recognition Committee in Pharmaceutical Chemistry (Science and Technology) held on 19/07/2022. The decision/s of Research & Recognition Committee are as follows :

Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Sandeep Rangnath Purkar Guide : Dr. Kankate Rani Shantaram 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Design, Synthesis and Antifungal Evaluation of Substituted Benzotriazole Derivatives

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Sir/Madam

The Ph.D. cases forwarded by your Institute/Centre in the subject Pharmaceutical Chemistry (Science and Technology) have been approved on behalf of Research & Recongnition committee and the decisions of the committee are as follows :

Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Shantanu Sanjay Ghodke Guide : Dr. Rishipathak Dinesh Dattatraya 	Topic Approved and Admitted w.e.f. 23/04/2022as follows :- Design and Synthesis of Bioactive Benzofused Nitrogen Containing Heterocyclic Derivatives

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1.	Sharad Sudhakar Kharat Guide : Dr. Patil Moreshwar Pandharinath 	Topic Approved and Admitted w.e.f. 27/08/2022 as follows :- Formulation and Development of Chronotherapeutic Drug Delivery System

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**Date :**09/10/2022

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1.	Shradha Jagannath Sangle Guide : Dr. Thombre Nilima Abhijeet 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Formulation Development and Evaluation of Polyherbal Cosmeceutical formulation

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Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
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2. Dr.Thombre Nilima Abhijeet  
Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
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**Ref. No.:** PGS/243

**Date :**27/03/2023

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Sonali Ravindra Patil Guide : Dr. Chhajed Santosh Subhash 	Topic Approved and Admitted w.e.f. 27/08/2022 as follows :- Development Preparation And Evaluation of Phytosomes Containing Different Phytoconstituents

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Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Sonkamble Sneh Diwakar Guide : Dr. Rishipathak Dinesh Dattatraya 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Design and Synthesis of Biologically active piperazine substituted Quinazolinone derivatives

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**Yours faithfully,**

**Assistant Registrar  
(P.G.Admissions)**

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2. Dr.Rishipathak Dinesh Dattatraya  
Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
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**Ref. No.:** PGS/1699

**Date :**01/10/2022

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Supriya Ravindra Bhamare Guide : Dr. Sonawane Sandeep Suresh 	Topic Approved and Admitted w.e.f. 23/04/2022 as follows :- Study of Forced Degradation Behavior and Development of Validated Stability Indicating Methods for Pharmaceuticals

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Thanking You,

**Yours faithfully,**

**Assistant Registrar  
(P.G.Admissions)**

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Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
Nashik
2. Dr.Sonawane Sandeep Suresh  
Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
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**Ref. No.:** PGS/243

**Date :**27/03/2023

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Sr.No.	Name of the candidate & Name of the Guide	Remarks
1.	Vaishnavi Avdhut Pathak Guide : Dr. Kshirsagar Sanjay Jayprakash 	Topic Approved and Admitted w.e.f. 27/08/2022 as follows :- Design and Development of Formulation for Effective Management of Polycystic Ovarian Syndrome

Please comply with the directions of Research & Recognition Committee and communicate to this office at the earliest.

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**Yours faithfully,**

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Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
Nashik
2. Dr.Kshirsagar Sanjay Jayprakash  
Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist:  
Nashik

## CERTIFICATE

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This dissertation is now ready for examination.

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Date: 23/05/2022



*[Handwritten Signature]*  
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DR. SUNITA N. SURSE.

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A handwritten signature in black ink, appearing to read "Dr. S. J. Kshirsagar".

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422 003

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MET's Institute of Pharmacy  
Adgaon, Nashik



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DR. Sanjay J. Kshirsagar





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This is to certify that the research work presented in this dissertation entitled, **Formulation Of Herbal mouthwash( clove, turmeric, liquorice , Tulsi)** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Bhushan Arun Nikam**, under the guidance and supervision of **Dr. UD Laddha**

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This is to certify that the research work presented in this dissertation entitled, **To prepare and evaluate herbal mouth wash** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Chordiya Yash Sanjay**, under the guidance and supervision of **Dr. UD Laddha**

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This is to certify that the research work presented in this dissertation entitled, **Nutrient Chocolate Bar** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Dakshita Yatin Raut**, under the guidance and supervision of **Dr. UD Laddha**  
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**Dr. S. J. Kshirsagar**

Date:

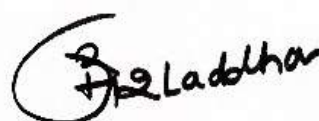


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Place: **Nashik**

Name of the Guide

Date:

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## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, “**Antiacne moisturizer by incorporating tea tree oil**” submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Dhanashree Salve**, under the guidance and supervision of **Dr. D. S. Bhambere**

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**Dr. S. J. Kshirsagar**

Date:

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Place: **Nashik**

**Name of the Guide**

Date:

**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and development of herbal face scrub”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Bagul Mayuri karbhari, Barve Ravina Valu, Deshmukh Dhanshri Hemant**, under the guidance and supervision of **Dr. Sunita Surse**.

This dissertation is now ready for examination.



Place: Nashik

Date: 24-05-22

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City

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This dissertation is now ready for examination.



Place -Nashik

Date- 24-05-22

  
24/5/22  
Dr. Sunita Surse.  
(Guide)



## DECLARATION

I hereby declare that the dissertation entitled "Formulation and development of herbal face scrub" is based on the work carried out by me in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 under the guidance and supervision of Dr. Sunita Surse.



Place: Nashik

Date: 24-05-22

Name of the student

Ms. Barve Ravina Valu, Ravane

Deshmukh Dhanshri Hemant, Dhanshri

Bagul Mayuri karbhari, Mayuri



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This dissertation is now ready for examination.

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**Dr. S. J. Kshirsagar**

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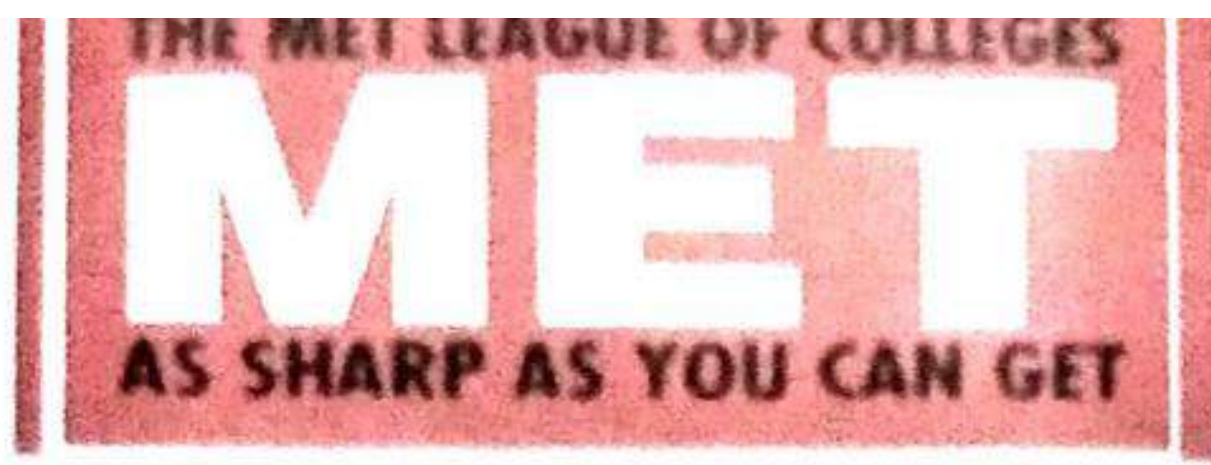
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Date: 26/05/22

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**Dr. Gitanjali. S. Deokar**

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Place: Nashik

Date: 24-05-22

**Dr. S. J. Kshirsagar**

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Place -Nashik

Date- 24-05-22

  
24/5/22  
Dr. Sunita Surse.  
(Guide)



## DECLARATION

I hereby declare that the dissertation entitled "Formulation and development of herbal face scrub" is based on the work carried out by me in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 under the guidance and supervision of Dr. Sunita Surse.



Place: Nashik

Date: 24-05-22

Name of the student

Ms. Barve Ravina Valu, Ravane

Deshmukh Dhanshri Hemant, Dhanshri

Bagul Mayuri karbhari, Mayuri





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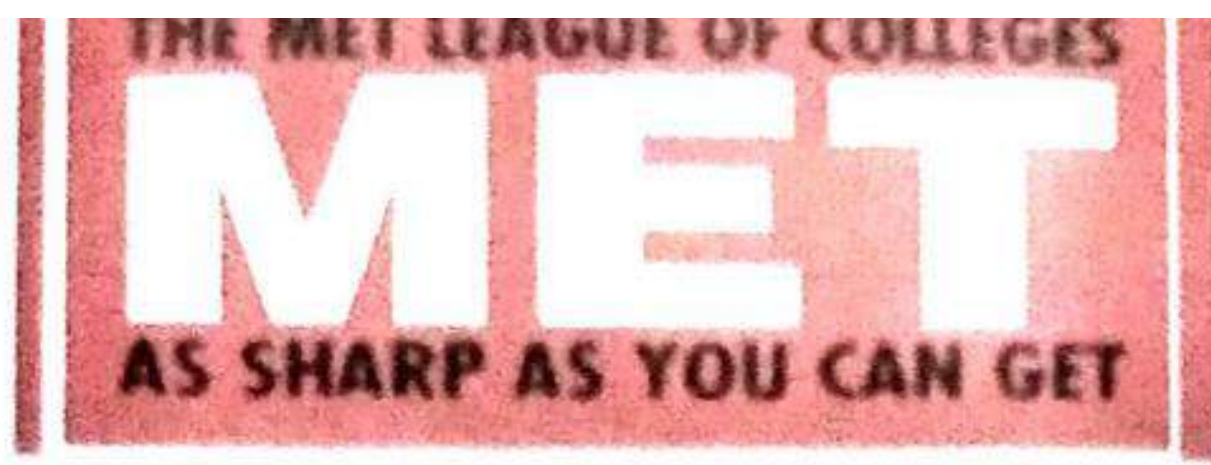
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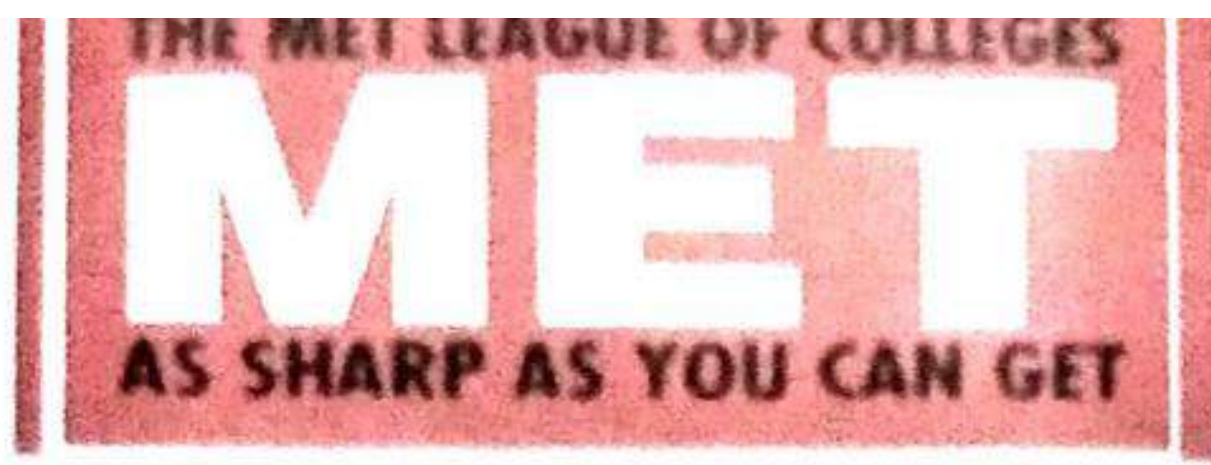
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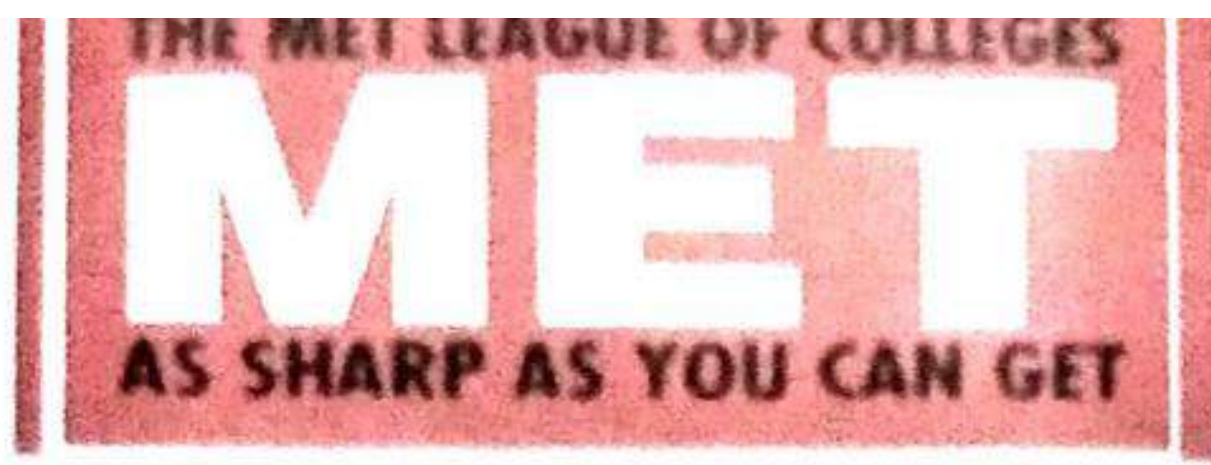
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A handwritten signature in blue ink, appearing to read "S. P. Ahirrao", with a horizontal line underneath.

Place: **Nashik**

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This dissertation is now ready for examination.

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*[Handwritten Signature]*  
23/05/22  
Name of the Guide

DR. SUNITA N. SURSE.

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This dissertation is now ready for examination.

Place: **Nashik**

Date: 23/05/2022



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**Dr. S. J. Kshirsagar**

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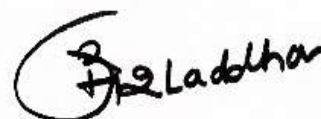
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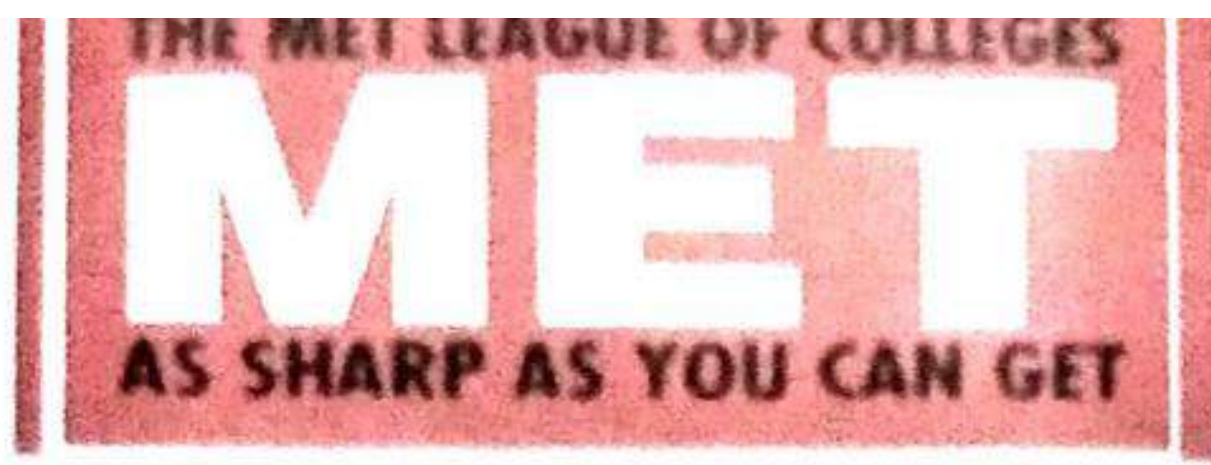
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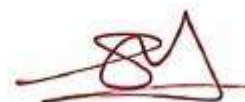


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**HERBAL SKIN BRIGHTNING GEL**

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune  
In Partial Fulfillment of Requirements for the Award of  
Degree of**

**BACHELOR OF PHARMACY**

**BY**

**Ms. Yogita V. Ahire**

**Mr. Vaibhav U. Dhikale**

**Ms. Vaishnavi K. Holgade**

**Mr. Yash B. Kulkarni**

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**DR. SANTOSH S. CHHAJED**

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**MS. SMITA KOTHMIRE**



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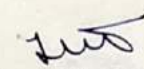
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**MS. SMITA KOTHMIRE**



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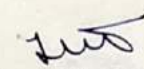
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**BACHELOR OF PHARMACY**

**BY**

**Ms. Yogita V. Ahire**

**Mr. Vaibhav U. Dhikale**

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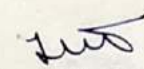
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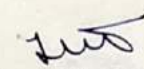
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This is to certify that the research work presented in this dissertation entitled, **“Formulation and Evaluation Of Poly-herbal Hair Conditioner ”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Dawange Komal Bhausahb, Kedare Pooja Yashwant** under the guidance and supervision of **Dr. Sunita Surse.**

This dissertation is now ready for examination.

Place: Nashik

Date: 27/5/22

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003



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This dissertation is now ready for examination.

Place -Nashik

Date- 27/5/22

**Dr. Sunita Surse.**

**(Guide)**



## DECLARATION

I hereby declare that the dissertation entitled “**Formulation and Evaluation Of Polyherbal Hair Conditioner** ” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Dr. Sunita Surse**.

**Place:** Nashik

**Date:**

**Name of the student**

Ms. Dawange komal Bhausaheb.

Ms. Kedare Pooja Yashwant .





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Krushnali Ukande**, under the guidance and supervision of **Dr. M. P. Patil**

This dissertation is now ready for examination.

Place: **Nashik**

**Dr. S. J. Kshirsagar**

Date:

# CERTIFICATE



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This dissertation is now ready for examination.



Place: **Nashik**

**Dr. M. P. Patil**

Date:

**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Neha R. Mali, Mr. Pramod B. Kutke, Mr. Prasad D. Rayte, Mr. Sumeet D. Kuyate, Mr. Sidhant V. Byas** under the guidance and supervision of **Mr. Rohan S. Ahire**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **25/5/2022**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET’s Institute of Pharmacy,  
Adgaon, Nashik- 422 003

**PRINCIPAL**  
MET’s Institute of Pharmacy  
Adgaon, Nashik



## CERTIFICATE

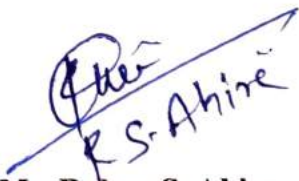
This is to certify that the research work presented in this dissertation entitled, **“Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Neha R. Mali, Mr. Pramod B. Kutke, Mr. Sumeet D. Kuyate, Mr. Prasad D. Rayte, Mr. Sidhant V. Byas**, under the guidance and supervision of **Mr. Rohan S. Ahire**.

This dissertation is now ready for examination.



Place: **Nashik**

Date: **25/5/2022**

  
**Mr. Rohan S. Ahire**

**UG Guide**



## DECLARATION

I hereby declare that the dissertation entitled “**Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study**” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Mr. Rohan S. Ahire.**



Place: **Nashik**

Date: **25/5/2022**

Ms. Neha R. Mali **NehaR.Mali**

Mr. Pramod B. Kutke **PramodB.Kutke**

Mr. Sumeet D. Kuyate **SumeetD.Kuyate**

Mr. Prasad D. Rayte **PrasadD.Rayte**

Mr. Sidhant V. Byas **SidhantV.Byas**

## CERTIFICATE



This is to certify that the research work presented in this dissertation entitled, "A survey on various factors related to customer's choice of toothpaste in Nashik population and formulation and development of SLS free toothpaste" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 by Ms. Rutuja Lokhande, Mr. Nikhil Pathade, under the guidance and supervision of Dr. Nilima A. Thombre.

This dissertation is now ready for examination.

Place: Nashik

Date: 23/5/2022



Dr. Nilima A. Thombre

Guide



**MET's INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2021-2022**

**CERTIFICATE**

This is to certify that the research work presented in this dissertation entitled, **“Formulation and development of SLS free Toothpaste”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms.Tanuja Mahale, Mr.Shubham Bhagat, Mr.Pavan Yamgar, Mr.Dhiraj Navare** under the guidance and supervision of **(Dr. Nilima A. Thombre)**.

This dissertation is now ready for examination.



Place: **Nashik**

Date: **26/05/2022**

**PRINCIPAL**  
MET's Institute of Pharmacy  
Adgaon, Nashik

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422 003



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This dissertation is now ready for examination.

Place: Nashik

Date: 26/5/22

**Dr. Nilima A. Thombre**

**Guide**



**Development of Herbal Hair Tonic**

**A Dissertation Submitted To**

**Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of**

**Degree of**

**BACHELOR OF PHARMACY**

**BY**

**Ashlesha sunil kapadane**

**Pooja Bhimashankar Mitkar**

**Akshada Padmakar Desale**

**Guide**

**Mr.Rakesh Shelke**



**BHUJBAL KNOWLEDGE CITY**

**MET' s INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2021-2022**



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Place: **Nashik**

Date: 30/05/2022

**Dr. S. J. Kshirsagar**

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**PRINCIPAL**  
MET's Institute of Pharmacy,  
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Adgaon, NASHIK-422 003.



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Place: **Nashik**

Date:30/05/2022

**Name of the Guide**

**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Neha R. Mali, Mr. Pramod B. Kutke, Mr. Prasad D. Rayte, Mr. Sumeet D. Kuyate, Mr. Sidhant V. Byas** under the guidance and supervision of **Mr. Rohan S. Ahire**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **25/5/2022**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
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Adgaon, Nashik- 422 003

**PRINCIPAL**  
MET’s Institute of Pharmacy  
Adgaon, Nashik





## CERTIFICATE

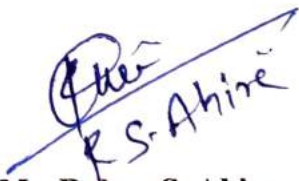
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This dissertation is now ready for examination.



Place: **Nashik**

Date: **25/5/2022**

  
**Mr. Rohan S. Ahire**

**UG Guide**

## DECLARATION

I hereby declare that the dissertation entitled “**Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study**” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Mr. Rohan S. Ahire.**



Place: **Nashik**

Date: **25/5/2022**

Ms. Neha R. Mali **NehaR.Mali**

Mr. Pramod B. Kutke **PramodB.Kutke**

Mr. Sumeet D. Kuyate **SumeetD.Kuyate**

Mr. Prasad D. Rayte **PrasadD.Rayte**

Mr. Sidhant V. Byas **SidhantV.Byas**

## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "POLYHERBAL HANDWASH" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 by Ms. TEJASHREE R. NIKAM, Ms. MANSI G. SATPUTE, Ms. PAYAL S. PORJE, Ms. PRATIKSHA P. PAGAR, Mr. TEJAS R. SONAWANE, under the guidance and supervision of DR. SUNITA N. SURSE.

This dissertation is now ready for examination.

Place: **Nashik**

Date: 23/05/2022



*[Handwritten Signature]*  
23/05/22  
Name of the Guide

DR. SUNITA N. SURSE.



## CERTIFICATE

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This dissertation is now ready for examination.

Place: **Nashik**

Date: 23/05/2022



A handwritten signature in black ink, appearing to read "Dr. S. J. Kshirsagar".

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422 003

**PRINCIPAL**  
MET's Institute of Pharmacy  
Adgaon, Nashik



ALMOND UNDER EYE GEL

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune  
In Partial Fulfillment of Requirements for the Award of  
Degree of  
BACHELOR OF PHARMACY**

**BY**

**AYUSH NATHWANI**

**ASHUTOSH R. MAHATME**

**HIMANSHU BARVE**

**SHUBHAM KOTWAL**

**RISHIKESH PATIL**

**Guide**

**DR. MRS. NEELAM DASHPUTRE**




**BHUJBAL KNOWLEDGE CITY  
MET's INSTITUTE OF PHARMACY  
ADGAON, NASHIK-422 003  
2021-2022**



## CERTIFICATE

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This dissertation is now ready for examination.



Principal  
Dr. S. J. Kshirsagar

Principal  
MET's Institute Of Pharmacy  
Adgaon, Nashik-3

Place: **Nashik**

Date:



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This dissertation is now ready for examination.

Place: **Nashik**  
Date:

**Dr. Mrs. Neelam Dashputre**  
**Guide**



### CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Capsicum and Garlic ointment" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by Ms Khule Snehal Changdev , Ms Choursiya Kajal Ashwin, Ms Nikam Samruddhi Sanjay ,Ms Chavan Gayatri Vishwas, Ms Jadhav Sakshi Dilip. under the guidance and supervision of Dr Pavan Udavant.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **24/07/2022**



  
**Dr Pavan Udavant**

**Guide**





### CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Capsicum and Garlic ointment" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by Ms Khule Snehal Changdev , Ms Choursiya Kajal Ashwin, Ms Nikam Samruddhi Sanjay ,Ms Chavan Gayatri Vishwas, Ms Jadhav Sakshi Dilip. under the guidance and supervision of Dr Pavan Udavant.

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**Dr Pavan Udavant**

**Guide**



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Place: **Nashik**

Date: **24/07/2022**



  
**Dr Pavan Udavant**

**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **To prepare and evaluate herbal mouth wash** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Shirole Kiran Rajendra**, under the guidance and supervision of **Dr. UD Laddha**

This dissertation is now ready for examination.

Place: **Nashik**

**Dr. S. J. Kshirsagar**

Date:

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This dissertation is now ready for examination.

Place: **Nashik**

Name of the Guide

Date:

Guide





**MET's INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2021-2022**

**CERTIFICATE**

This is to certify that the research work presented in this dissertation entitled, **“Formulation and development of SLS free Toothpaste”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms.Tanuja Mahale, Mr.Shubham Bhagat, Mr.Pavan Yamgar, Mr.Dhiraj Navare** under the guidance and supervision of **(Dr. Nilima A. Thombre)**.

This dissertation is now ready for examination.



Place: **Nashik**

Date: **26/05/2022**

**PRINCIPAL**  
MET's Institute of Pharmacy  
Adgaon, Nashik

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422 003



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and development of SLS free Toothpaste”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms.Tanuja Mahale, Mr.Shubham Bhagat, Mr.Pavan Yamgar, Mr.Dhiraj Navare** under the guidance and supervision of **(Dr. Nilima A. Thombre)**.

This dissertation is now ready for examination.

Place: Nashik

Date: 26/5/22

**Dr. Nilima A. Thombre**

**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Title" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by Mr. Asole Rahul Kiran, Mr. Mahajan Sahil Manish, Ms. Sujgure Akanksha Dattatray Ms. Vyavahare Maheshwari Dilip, Ms. Yeole Gayatri Balkrishna, under the guidance and supervision of Dr.S.P.Kakad

This dissertation is now ready for examination.

Place: **Nashik**

Date: 30/05/2022

**Dr. S. P. Kakad**

**Guide**



## CERTIFICATE

*This is to certify that the research work presented in this dissertation entitled, "Herbal Beard Spray" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 by Mr. Asole Rahul Kiran, Mr. Mahajan Sahil Manish, Ms. Sujgure Akanksha Dattatray, Ms. Vyavahare Maheshwari Dilip, Ms. Yeole Gayatri Balkrishna under the guidance and supervision of Dr. S. P. Kakad*

This dissertation is now ready for examination.

**Dr. S. J. Kshirsagar**  
PRINCIPAL

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Bhujbal Knowledge City  
Adgaon, NASHIK 422 003

**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
MET's Institute of Pharmacy,  
Adgaon, Nashik- 422 003

Place: **Nashik**

Date: *30/05/2022*





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Neha R. Mali, Mr. Pramod B. Kutke, Mr. Prasad D. Rayte, Mr. Sumeet D. Kuyate, Mr. Sidhant V. Byas** under the guidance and supervision of **Mr. Rohan S. Ahire**.

This dissertation is now ready for examination.

Place: **Nashik**

Date: **25/5/2022**



**Dr. S. J. Kshirsagar**

**Principal**

Bhujbal Knowledge City  
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Adgaon, Nashik- 422 003

**PRINCIPAL**  
MET’s Institute of Pharmacy  
Adgaon, Nashik



## CERTIFICATE

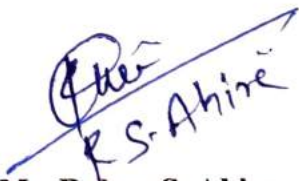
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This dissertation is now ready for examination.



Place: **Nashik**

Date: **25/5/2022**

  
**Mr. Rohan S. Ahire**

**UG Guide**

# DECLARATION

I hereby declare that the dissertation entitled “**Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study**” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Mr. Rohan S. Ahire.**



Place: **Nashik**

Date: **25/5/2022**

Ms. Neha R. Mali **NehaR.Mali**

Mr. Pramod B. Kutke **PramodB.Kutke**

Mr. Sumeet D. Kuyate **SumeetD.Kuyate**

Mr. Prasad D. Rayte **PrasadD.Rayte**

Mr. Sidhant V. Byas **SidhantV.Byas**



### CERTIFICATE

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This dissertation is now ready for examination.

Place: **Nashik**

Date: **24/07/2022**



  
**Dr Pavan Udavant**

**Guide**





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Comparative study of Marketed product of tulsi and fresh lives of tulsi used as immunity booster”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Snehal shardul**, under the guidance and supervision of **Dr. M. P. Patil**

This dissertation is now ready for examination.

Place: **Nashik**

**Dr. S. J. Kshirsagar**

Date:

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This dissertation is now ready for examination.

Place: **Nashik**

Date: **25/5/2022**



**Dr. S. J. Kshirsagar**

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Adgaon, Nashik- 422 003

**PRINCIPAL**  
MET’s Institute of Pharmacy  
Adgaon, Nashik



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**Mr. Rohan S. Ahire**

**UG Guide**



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I hereby declare that the dissertation entitled “**Development, Validation and Stability Indicating Method of B-receptor agonist drug using Forced Degradation Study**” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Mr. Rohan S. Ahire.**



Place: **Nashik**

Date: **25/5/2022**

Ms. Neha R. Mali **NehaR.Mali**

Mr. Pramod B. Kutke **PramodB.Kutke**

Mr. Sumeet D. Kuyate **SumeetD.Kuyate**

Mr. Prasad D. Rayte **PrasadD.Rayte**

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**Dr. S. J. Kshirsagar**

Date:

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This dissertation is now ready for examination.



Place: **Nashik**

**Dr. M. P. Patil**

Date:

**Guide**

**Development of Herbal Hair Tonic**

**A Dissertation Submitted To**

**Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of**

**Degree of**

**BACHELOR OF PHARMACY**

**BY**

**Ashlesha sunil kapadane**

**Pooja Bhimashankar Mitkar**

**Akshada Padmakar Desale**

**Guide**

**Mr.Rakesh Shelke**



**BHUJBAL KNOWLEDGE CITY**

**MET' s INSTITUTE OF PHARMACY**

**ADGAON, NASHIK-422 003**

**2021-2022**





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Place: **Nashik**

Date: 30/05/2022

**Dr. S. J. Kshirsagar**

**Principal**

**PRINCIPAL**  
MET's Institute of Pharmacy,  
Bhujbal Knowledge City,  
Adgaon, NASHIK-422 003.



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Place: **Nashik**

Date:30/05/2022

**Name of the Guide**

**Guide**

ALMOND UNDER EYE GEL

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune  
In Partial Fulfillment of Requirements for the Award of  
Degree of  
BACHELOR OF PHARMACY**

**BY**

**AYUSH NATHWANI**

**ASHUTOSH R. MAHATME**

**HIMANSHU BARVE**

**SHUBHAM KOTWAL**

**RISHIKESH PATIL**

**Guide**

**DR. MRS. NEELAM DASHPUTRE**




**BHUJBAL KNOWLEDGE CITY  
MET's INSTITUTE OF PHARMACY  
ADGAON, NASHIK-422 003  
2021-2022**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, “**ALMOND UNDER EYE GEL**” submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ayush H. Nathwani, Ashutosh R. Mahatme, Himanshu P. Barve, Shubham Y. Kotwal, Rishikesh K. Patil** under the guidance and supervision of **Dr. Mrs. Neelam Dashputre.**

This dissertation is now ready for examination.



Principal  
Dr. S. J. Kshirsagar

Principal  
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Adgaon, Nashik-3

Place: **Nashik**

Date:





## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, “**ALMOND UNDER EYE GEL**” submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ayush H. Nathwani, Ashutosh R. Mahatme, Himanshu P. Barve, Shubham Y. Kotwal, Rishikesh K. Patil**, under the guidance and supervision of **Dr. Mrs. Neelam Dashputre**.

This dissertation is now ready for examination.

Place: **Nashik**  
Date:

**Dr. Mrs. Neelam Dashputre**  
**Guide**



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, "Title" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by Mr. Asole Rahul Kiran, Mr. Mahajan Sahil Manish, Ms. Sujgure Akanksha Dattatray Ms. Vyavahare Maheshwari Dilip, Ms. Yeole Gayatri Balkrishna, under the guidance and supervision of Dr.S.P.Kakad

This dissertation is now ready for examination.

Place: **Nashik**

Date: 30/05/2022

**Dr. S. P. Kakad**

**Guide**



## CERTIFICATE

*This is to certify that the research work presented in this dissertation entitled, "Herbal Beard Spray" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 by Mr. Asole Rahul Kiran, Mr. Mahajan Sahil Manish, Ms. Sujgure Akanksha Dattatray, Ms. Vyavahare Maheshwari Dilip, Ms. Yeole Gayatri Balkrishna under the guidance and supervision of Dr. S. P. Kakad*

This dissertation is now ready for examination.

**Dr. S. J. Kshirsagar**  
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**Dr. S. J. Kshirsagar**

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Adgaon, Nashik- 422 003

Place: **Nashik**

Date: *30/05/2022*



## CERTIFICATE

This is to certify that the research work presented in this dissertation entitled, **“Formulation and development of herbal face scrub”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Bagul Mayuri karbhari, Barve Ravina Valu, Deshmukh Dhanshri Hemant**, under the guidance and supervision of **Dr. Sunita Surse**.

This dissertation is now ready for examination.



Place: Nashik

Date: 24-05-22

**Dr. S. J. Kshirsagar**

**Principal**

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Place -Nashik

Date- 24-05-22

  
24/5/22  
Dr. Sunita Surse.  
(Guide)



## DECLARATION

I hereby declare that the dissertation entitled "Formulation and development of herbal face scrub" is based on the work carried out by me in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 under the guidance and supervision of Dr. Sunita Surse.



Place: Nashik

Date: 24-05-22

Name of the student

Ms. Barve Ravina Valu, *Ravane*

Deshmukh Dhanshri Hemant, *Dhanshri*

Bagul Mayuri karbhari, *Mayuri*



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## CERTIFICATE

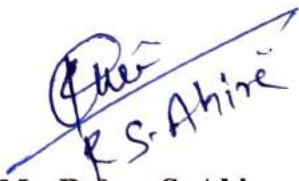
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**Mr. Rohan S. Ahire**

**UG Guide**



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Place: **Nashik**

Date: **25/5/2022**

Ms. Neha R. Mali **Neha Mali**

Mr. Pramod B. Kutke **Pramod Kutke**

Mr. Sumeet D. Kuyate **Sumeet Kuyate**

Mr. Prasad D. Rayte **Prasad Rayte**

Mr. Sidhant V. Byas **Sidhant Byas**



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This is to certify that the research work presented in this dissertation entitled, "**Formulation and Development of Lip Balm from Beta Vulgaris(Beet Root)**" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute Of Pharmacy, Bhujbal knowledge city, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Mr.Pranav Chinchole ,Mr.Tejas Ghumare , Mr.Sanket Gite, Mr.Sahil Sawale, Mr. Shivam Taralkar**, under the guidance and supervision of **Mr.Abhish B. Jadhav**.

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**Project Guide**



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Date: *25/5/22*

**Mr. Abhish B. Jadhav**

**Project Guide**



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Place: **Nashik**

Date: **25/5/22**

**Dr. S. J. Kshirsagar**

**principal**

Bhujbal Knowledge City

MET's Institute of pharmacy,

Adgaon, Nashik- 422003





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**Project Guide**



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Place: **Nashik**

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**Dr. S. J. Kshirsagar**

**principal**

Bhujbal Knowledge City

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Adgaon, Nashik- 422003



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This dissertation is now ready for examination.

Place: **Nashik**

Date: *25/5/22*

**Mr. Abhish B. Jadhav**

**Project Guide**



**FORMULATION AND EVALUATION OF DARKNESS  
REMOVAL POWDER**

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of  
Degree of**

**BACHELOR OF PHARMACY**

**BY**

**Gauri Santosh Badgujar,  
Samiksha Vijay Bhagat,  
Sakshi Pravil Bhamare,  
Poonam Vijay Chate,  
Sukanya Vilas Chavanke.**

*Guide*

**Mr. Rahul R. Sable**



**BHUJBAL KNOWLEDGE CITY  
MET's INSTITUTE OF PHARMACY  
ADGAON, NASHIK-422 003**

**2021-2021**





## CERTIFICATE

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This dissertation is now ready for examination.

Place: Nashik

Date: 25/05/2022

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## DECLARATION

I hereby declare that the dissertation entitled "**Formulation and evaluation of darkness removal powder**" is based on the work carried out by me in the laboratories of MET's **Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Guide**.

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**Gauri Santosh Badgujar,  
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Place: *Nashik*

Date: *25/05/2022*

*Gauri Santosh Badgujar*

*Samiksha Vijay Bhagat*

*Sakshi Pravil Bhamare*

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**FORMULATION AND EVALUATION OF DARKNESS  
REMOVAL POWDER**

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune**

**In Partial Fulfillment of Requirements for the Award of  
Degree of**

**BACHELOR OF PHARMACY**

**BY**

**Gauri Santosh Badgujar,  
Samiksha Vijay Bhagat,  
Sakshi Pravil Bhamare,  
Poonam Vijay Chate,  
Sukanya Vilas Chavanke.**

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**Mr. Rahul R. Sable**



**BHUJBAL KNOWLEDGE CITY  
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**2021-2021**



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This dissertation is now ready for examination.

Place: Nashik

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Place: **Nashik**

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Place: *Nashik*

Date: *25/05/2022*

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*Poonam Vijay Chate*

*Sukanya Vilas Chavanke*

## CERTIFICATE



This is to certify that the research work presented in this dissertation entitled, "A survey on various factors related to customer's choice of toothpaste in Nashik population and formulation and development of SLS free toothpaste" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003 during the academic year 2021-2022 by Ms. Rutuja Lokhande, Mr. Nikhil Pathade, under the guidance and supervision of Dr. Nilima A. Thombre.

This dissertation is now ready for examination.

Place: Nashik

Date: 23/5/2022



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**Mr. Rahul R. Sable**



**BHUJBAL KNOWLEDGE CITY  
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This is to certify that the research work presented in this dissertation entitled, **“Formulation and Evaluation Of Poly-herbal Hair Conditioner ”** submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by **Ms. Dawange Komal Bhausahb, Kedare Pooja Yashwant** under the guidance and supervision of **Dr. Sunita Surse.**

This dissertation is now ready for examination.

Place: Nashik

Date: 27/5/22

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This dissertation is now ready for examination.

Place -Nashik

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## DECLARATION

I hereby declare that the dissertation entitled “**Formulation and Evaluation Of Polyherbal Hair Conditioner** ” is based on the work carried out by me in the laboratories of **MET’s Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 under the guidance and supervision of **Dr. Sunita Surse**.

**Place:** Nashik

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**Name of the student**

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This dissertation is now ready for examination.

Place: **Nashik**

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This is to certify that the research work presented in this dissertation entitled, "Capsicum and Garlic ointment" submitted in the partial fulfillment of the requirement for the degree of Bachelor of Pharmacy, Savitribai Phule Pune University, Pune was carried out in the laboratories of **MET's Institute of Pharmacy, Bhujbal Knowledge City, Adgaon, Nashik 422003** during the academic year 2021-2022 by Ms Khule Snehal Changdev , Ms Choursiya Kajal Ashwin, Ms Nikam Samruddhi Sanjay ,Ms Chavan Gayatri Vishwas, Ms Jadhav Sakshi Dilip. under the guidance and supervision of Dr Pavan Udavant.

This dissertation is now ready for examination.

Place: **Nashik**

Date: 24/07/2022



  
**Dr Pavan Udavant**

**Guide**



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Adgaon, Nashik- 422 003

Place: **Nashik**

Date: *30/05/2022*

ALMOND UNDER EYE GEL

**A Dissertation Submitted To  
Savitribai Phule Pune University, Pune  
In Partial Fulfillment of Requirements for the Award of  
Degree of  
BACHELOR OF PHARMACY**

**BY**

**AYUSH NATHWANI**

**ASHUTOSH R. MAHATME**

**HIMANSHU BARVE**

**SHUBHAM KOTWAL**

**RISHIKESH PATIL**

**Guide**

**DR. MRS. NEELAM DASHPUTRE**




**BHUJBAL KNOWLEDGE CITY  
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This dissertation is now ready for examination.



Principal  
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Place: **Nashik**  
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**Guide**