



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

(Formerly known as J. L. Chaturvedi College of Pharmacy)

Electronics Zone Building, MIDC, Hingna Road, Nagpur-440016 (M.S.) India

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Accredited with Grade B++ by NAAC

Institute Code: DTE 4265 & RTMNU 265



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

Sr. No.	Name of Students
1.	Abhishek Avinash Mapari
2.	Abhishek Rajesh Charde
3.	Akshay Diliprao Bidwaik
4.	Akshay Manojkumar Dhuriya
5.	Almas Kamil Hanfee
6.	Alpita Naresn Ghodakade
7.	Amisha Jitendra Daware
8.	Amisha Suresh Dhuwadhapar
9.	Amit Rajnarayan Tiwari
10.	Aniket Shrikant Kuthe
11.	Anirudh Shyamnarayan Mishra
12.	Ankit Sanjay Verma
13.	Anuj Laxmikant Gupta
14.	Anuradha Anil Dhokpande
15.	Anushree Arun Karale
16.	Atish Ramprasad Patel
17.	Ayush Subhashchandra Mishra
18.	Bhakti Navneet Tapas
19.	Bhushan Hemantkumar Bisen
20.	Chetna Keshav Dhone
21.	Deepa Vijay Aadle
22.	Devansh Prakash Bule
23.	Gayatri Babuji Vaidya
24.	Gritish Liladhar Wadbudhe
25.	Harshil Govind Pokhare
26.	Juee Niranjana Kayandee
27.	Kajal Karu Bhulaiwale
28.	Karan Prakash Joshi
29.	Krutika Vinodrao Mendhe
30.	Madhuri Kanhayalal Varma
31.	Mayank Mithilesh Pandey
32.	Mohammed Qutub
33.	Mohit Nitin Bakshe

Documents certified  
and verified from  
page no. 1 to 160.

34.	Neha Chandrahas Gotmare
35.	Nikita Dinesh Shukla
36.	Pooja Prakash Rathod
37.	Pooja Sheshraoji Balpande
38.	Prajakta Sheshrao Sawarkar
39.	Prajwal Vijay Deokule
40.	Pranay Ratnakar Karande
41.	Pratiksha Chandrakant Ujawane
42.	Priya Deorao Yelore
43.	Raksha Vijaykumar Taori
44.	Renuka Liladhar Vaidya
45.	Ritik Sudhir Budhe
46.	Ritika Ukesh Chauhan
47.	Rochak Vinod Mahajan
48.	Rohan Arunsingh Badratiye
49.	Rohit Devidias Kalarkar
50.	Rohitsingh Manoj Singh Thakur
51.	Ruchita Dilip Kamde
52.	Sahil Pradip Fulzele
53.	Sakshi Rajesh Gajbhiye
54.	Sakshi Babarao Bhandekar
55.	Sakshi Ganesh Channe
56.	Samarth Ramprakash Nikhare
57.	Sana Sarfuddin Ansari
58.	Sandesh Deepak Lohiya
59.	Sankalp Arvind Bali
60.	Sanket Mohanrao Shete
61.	Sapana Sanjay Tadas
62.	Satish Kumar Sharandev Shah
63.	Saurabh Maroti Gulghane
64.	Shafaq Naaz Nazeer Khan
65.	Shraddha Vinod Gundawar
66.	Shritej Shyam Manusmare
67.	Shruti Vilas Chaudhari
68.	Shruti Sudhir Behre
69.	Sohail Shakeel Sheikh
70.	Sweta Prafulkumar Acharya
71.	Tanu Ajay Singh
72.	Tanuj Laxmikant Gupta
73.	Teena Sevakram Rahangdale
74.	Tejaswini Annaji Thakare
75.	Trupti Kamalkishor Bajaj
76.	Vaibhavi Vijay Nandurkar
77.	Vinay Gajanan Kamde
78.	Zeenat Tabassum Shaikh

This submitted document is certified and verified

# THE EFFECT OF FREE RADICAL ON AGING

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Miss. Shafaq Naaz Nazeer Khan**

**Guide**

**Mr. Anup R. Thakre**

**(M. Pharm)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 22**

## Priyadarshini J. L. College of Pharmacy

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

2021 - 22



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

### CERTIFICATE

This is to certify that the project entitled "THE EFFECT OF FREE RADICAL ON AGING" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Shafaq Naaz Nazeer Khan, under the guidance and supervision of Mr. Anup R. Thakre, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 05/04/2022

Dr. D. R. Chaple  
(Principal)

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

**An Updated and Comprehensive Review on Role of  
Nutraceuticals in Building Immunity Against Covid 19**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

**Miss. Shraddha B. Rana**

**B. Pharm**

**Guide**

**Mr. Yogesh N. Gholve**

**M.Pharm.**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2020 - 21**



## Priyadarshini J. L. College of Pharmacy

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

2020 - 21



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

### CERTIFICATE

This is to certify that the project entitled "An Updated and Comprehensive Review on Role of Nutraceuticals in Building Immunity Against Covid 19", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by **Shraddha B. Rana**, under the guidance and supervision of **Mr. Y. N. Gholve**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 04/09/21

Dr. D. R. Chaple

(Principal)  
PRINCIPAL

Priyadarshini J.L.College of  
Pharmacy, Nagpur.

# **CURRENT APPROVAL PROCESS OF NEW DRUG APPLICATION IN USA**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Shritej Shyam Manusmare**

**Guide**

**Mr. Anup R. Thakre**

**(M. Pharm)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 22**

## Priyadarshini J. L. College of Pharmacy

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

2021 - 22



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

### CERTIFICATE

This is to certify that the project entitled "CURRENT APPROVAL PROCESS OF NEW DRUG APPLICATION IN USA" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Shritej S. Manusmare, under the guidance and supervision of Mr. Anup R. Thakre, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 04/04/2022

Dr. D. R. Chaple  
(Principal)

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



## PROJECT

# QUALITY CONTROL EVALUATION OF HERBAL ANTI-DANDRUFF SHAMPOO

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

By

**ANUSHRI A. KARALE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. K. P. UPADHYE**



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ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022

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ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "QUALITY CONTROL EVALUATION OF HERBAL ANTI-DANDRUFF SHAMPOO" has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by ANUSHRI A. KARALE under guidance of **Dr. Mrs. K. P. UPADIYE (Guide)** Associate Professor of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 26/04/2022

**Dr. D.R. Chaple**  
(Principal)

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

# PROJECT

## STUDY OF ICH GUIDELINES FOR PHARMACOVIGILANCE

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

By

**Tina S. Rahangdale**

B. Pharmacy Semester VIII

Guide

**Mr. Sapan K. Shah**

M. Pharm.



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2021 – 2022



# PRIYADARSHINI J. L. COLLEGE OF PHARMACY

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2021 – 2022



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

## CERTIFICATE

This is to certify that the project entitled "Study of ICH Guidelines For Pharmacovigilance, has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms. Tina Rahangdale under guidance of Mr. Sapan K. Shah (Guide) Asst. Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 25/4/22

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



**A STUDY OF VARIOUS CHROMATOGRAPHIC  
TECHNIQUES USED IN HERBAL DRUG ANALYSIS**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**ANIRUDH SHYAM NARAYAN  
MISHRA**

B. Pharmacy Semester VIII

*Guide*

**DR. Mrs. K. P. UPADHYE**

M. Pharm, Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021- 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "A STUDY OF VARIOUS CHROMATOGRAPHIC TECHNIQUES USED IN HERBAL DRUG ANALYSIS" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Mr. Anirudh S Mishra under guidance of Dr. Mrs. K. P. Upadhye (Guide) Associate Professor of Head of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 04/04/2022

Dr. D. R. Chaple  
(Principal)

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

# **A Review on Hadjod as a Herbal Medicine used in Skeleton Joints**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

**Akshay Manojkumar Dhuriya**

**Guide**

**Dr. Dinesh R. Chaple**

**(M. Pharm. PhD.)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016**  
2021 - 22





**Dr. Dinesh R. Chaple**  
M. Pharm. PhD  
Principal  
Priyadarshini J. L. College of  
Pharmacy, Nagpur-440016

This is to certify that the project entitled "**A Review on Hadjod as a Herbal Medicine used in Skeleton Joints**", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Akshay Manojkumar Dhuriya**, under my guidance and supervision.

This project is now ready for examination.

Place: Nagpur  
Date: 13-04-2022

A handwritten signature in black ink, appearing to read "D. Chaple", written over a horizontal line.

**Dr. Dinesh R. Chaple**  
(Principal)

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



# APPROVAL PROCESS OF NEW DRUG APPLICATION

*A Project Review*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

By

***Mr. Aniket Shrikant Kuthe***

Guide

***Dr. Alpna Asnani***

***M.Pharm, Ph.D.***



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 2022**

# Priyadarshini J. L. College of Pharmacy

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



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

## CERTIFICATE

This is to certify that the project entitled "APPROVAL PROCESS OF NEW DRUG APPLICATION", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This project has been submitted by Aniket S. Kuthe, under guidance and supervision of Dr. Alpana Asnani, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 05/04/2022

Dr. D. R. Chaple  
(Principal)

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

**ROLE OF HERBS IN SKIN AND HAIR CARE: A REVIEW**

*A Project*

*Submitted on the partial fulfilment*

*for degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**SHRUTI V. CHAUDHARI**

**B. Pharmacy Semester VIII**

Guide

**Dr. Mrs. Sonal P. Motghare**

**M. Pharm, Ph.D.**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**



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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "ROLE OF HERBS IN SKIN AND HAIR CARE: A REVIEW" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Shruti V. Chaudhari under guidance of Dr. Mrs. Sonal P. Motghare, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 12/04/2022

**Dr. D. R. Chaple**  
(Principal)

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



**ANTIDANDRUFF SHAMPOO FORMULATIONS: A  
REVIEW**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

**Submitted By**

**ANKIT SANJAY VERMA**

B. Pharmacy Semester VIII

*Guide*

**DR. Mrs. K. P. UPADHYE**

M. Pharm, Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "ANTIDANDRUFF SHAMPOO FORMULATIONS: A REVIEW" has been submitted in partial fulfilment of the requirement for the degree of **Bachelor of Pharmacy** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Mr. Ankit S Verma** under guidance of **Dr. Mrs. K. P. Upadhye (Guide)** Associate Professor of Head of **Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.**

This report is now ready for examination.

Place: Nagpur

Date: 04/04/22

Dr. D. R. Chaple  
(Principal)

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

# **Study of Self Medication with Their Risks and Adverse Effects**

*A Project Submitted on the partial fulfilment  
For degree of*

## **BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**Mr. Abhishek R. Charde**

**B. Pharmacy Semester VIII**

Guide

**Dr. Dinesh R Chaple**

**M. Pharmacy, Ph.D**



**PRIYADARSHINI J.L. COLLEGE OF PHARMACY**

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

**2021- 2022**



## Priyadarshini J.L. College of Pharmacy

ELECTRONICZONEBUILDING, MIDC, HINGNAROAD, NAGPUR-440016

2021- 2022



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

### CERTIFICATE

This is to certify that the report entitled "**Study of Self Medication with their Risks and Adverse Effects**" has been submitted in partial fulfilment of the requirement for the degree of **Bachelor of Pharmacy** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Abhishek.R.Charde** under guidance of **Dr. Dinesh R Chaple, Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 20/4/2022

**Dr.D.R.Chaple**  
(Principal)

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

**PROJECT**

**WORLD HEALTH ORGANIZATION GUIDELINES ON GOOD  
AGRICULTURAL PRACTICES FOR MEDICINAL PLANT**

Submitted on the partial fulfilment

For degree of

**BACHELOR OF PHARMACY**

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

Submitted By

**ZEENAT TABASSUM SHAIKH**

B. Pharmacy Semester VIII

Guide

**Mr. PRASHANT N. AMALE**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,**

**NAGPUR-440016**

**2021-2022**

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

Electronic Zone Building, MIDC, Hingna Road,

Nagpur - 440016



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

**CERTIFICATE**

This is to certify that the report entitled "World Health Organization Guidelines On Good Agricultural Practices For Medicinal Plant" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Zeenat Tabassum Shaikh under guidance of Mr. Prashant N. Amale, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

**Place: Nagpur**

**Date: 05/04/2022**

**Dr. D. R. Chaple**  
(Principal)

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



**WHO GUIDELINE FOR QUALITY CONTROL OF  
AYURVEDIC HERBAL BHASMA FORMULATION**

*A Project*

*Submitted on the Partial fulfilment*

*For Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

By

**Mrs. ROCHAK VINOD MAHAJAN**  
**B. Pharmacy Semester VIII**

Guide

**Dr. RAHUL H. KASLIWAL**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016**  
**2021- 2022**

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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "WHO GUIDELINE FOR QUALITY CONTROL OF AYURVEDIC HERBAL BHASMA FORMULATION: AN OVERVIEW", has been submitted on Partial fulfilment of the requirement of the degree for **B. Pharmacy Semester VIII** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **ROCHAK VINOD MAHAJAN** under guidance of **Dr. RAHUL H KASLIWAL**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date:

**Dr. D. R. Chaple**  
(Principal)

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

# PROJECT

## **ROLE OF DIETARY SUPPLEMENTS AND NEUTRACEUTICALS IN SARS-COV-2 INFECTION:A COMPREHENSIVE REVIEW**

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

By

**Sakshi G. Channe**

B. Pharmacy Semester VIII

Guide

**DR. Mrs. Shubhada Mangrulkar**

M. Pharm. , Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



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

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**CERTIFICATE**

This is to certify that the project entitled **"ROLE OF DIETARY SUPPLEMENTS AND NEUTRACEUTICALS IN SARS-COV-2 INFECTION:A COMPREHENSIVE REVIEW"**, has been submitted for **B. Pharmacy Semester VIII** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Ms. Sakshi G.Channe** under guidance of **Dr. Mrs. Shubhada Mangrulkar (Guide)** Associate Professor of Pharmacology Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur  
Date: 01/04/22

**Dr. D. R. Chaple**  
(Principal)

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

# AN OVERVIEW ON HERBAL SUNSCREEN FORMULATION

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

BACHELOR OF PHARMACY

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

By

**ALPITA N. GHODAKADE**

Guide

**Dr. Mrs. Alpana J. Asnani**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 -2022

## Priyadarshini J. L. College of Pharmacy

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

2021 – 2022



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

### CERTIFICATE

This is to certify that the Project entitled "**AN OVERVIEW ON HERBAL SUNSCREEN FORMULATION**", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **ALPITA N. GHODAKADE** under guidance of **Dr. (Mrs.) A. J. Asnani (Guide)** Professor and Head of Pharmaceutical Chemistry Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This project is now ready for examination.

Place: Nagpur

Date: 13/04/2022

**Dr. D. R. Chaple**  
(Principal)

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



## **PROJECT**

### **DIETARY SUPPLEMENTS AND NUTRACEUTICALS FOR MANAGEMENT ON OBESITY**

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

By

**Kajal k. Bhulaiwale**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. S. S. Bakhle**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



**Dr. Mrs. S. S. Bakhle**  
M. Pharm. Ph.D.,  
Associate Professor (Pharmaceutics Department)  
Priyadarshini J.L. College of Pharmacy,  
Nagpur-440016


---

## **CERTIFICATE**

This is to certify that the project entitled "DIETARY SUPPLEMENTS AND NUTRACEUTICALS FOR MANAGEMENT ON OBESITY", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by **Kajal K. Bhulaiwale** under my guidance and to my satisfaction.

This report is now ready for examination.

Place: Nagpur

  
**Dr. Mrs. S. S. Bakhle**  
(Guide)

Date: 22/04/2022

**TRANSGENIC AND KNOCKOUT ANIMALS: THEIR PRODUCTION,  
MAINTENANCE AND APPLICATIONS**

A Project

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

In the Faculty of Science and Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

**Submitted By**

**Miss. Gayatri Balaji Vaidya**

**Guide**

**Dr. Mrs. Shilpa A. Deshpande**

**M. Pharm., Ph.D.**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 2022**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

**ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021-2022**



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

**CERTIFICATE**

This is to certify that the project entitled "**Transgenic and Knockout animals: their production, Maintenance and Applications**", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by **Gayatri Balaji Vaidya** under the guidance of **Dr. Mrs. S.A. Deshpande**, Associate professor and Head of department of pharmacology, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

**Place: Nagpur**

**Date: 11/4/2022**

**Dr. D. R. Chaple  
(Principal)**

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

**COMPUTATIONAL SCREENING OF SOME BIOACTIVE  
AGENTS TOWARDS HUMAN  $\beta_2$  ADRENERGIC RECEPTOR**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of  
BACHELOR OF PHARMACY*

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

**By**

**Mr. Gritish L. Wadbudhe**

**Guide**

**Dr. Mrs. Shilpa A. Deshpande**

**M. Pharm, Ph. D.**



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

**2021 – 2022**

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

ELECTRONIC ZONE BUILDING MIDC, HINGNA ROAD, NAGPUR - 440016

2021-2022



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

**CERTIFICATE**

This is to certify that the project entitled "**COMPUTATIONAL SCREENING OF SOME BIOACTIVE AGENTS TOWARDS HUMAN  $\beta_2$  ADRENERGIC RECEPTOR**", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by **Mr. GRITISH L. WADBUDHE** under the guidance of **Dr. (Mrs.) SHILPA A. DESPANDE (Guide)** Associate Professor and Head of Pharmacology Department, **Priyadarshini J. L. College of Pharmacy, Nagpur.** This Project is now ready for examination.

Place: Nagpur

Date: 16/4/2022

**Dr. D. R. Chaple**

**(Principal)**

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



**PROJECT**  
**ROLE OF CHEMICAL AND BIOLOGICAL  
MARKERS IN STANDARDIZATION OF HERBAL  
PRODUCTS**

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

By

**MOHIT N. BAKSHE**

B. Pharmacy Semester VIII

Guide

**Dr. D. P. KAWADE**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
**ELECTRONIC ZONE BUILDING, MIDC, HINGNA**  
**ROAD, NAGPUR-440016**  
2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "ROLE OF CHEMICAL AND BIOLOGICAL MARKERS IN STANDARDIZATION OF HERBAL PRODUCTS" has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by MOHIT N. BAKSHE under guidance of Dr. D. P. KAWADE (Guide) Associate Professor of Pharmaceutical Chemistry Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 13/04/2022

Dr. D. R. Chaple

(Principal)

Priyadarshini J. L. College of  
Pharmacy, Nagpur.

# PROJECT

## A REVIEW ON HUMAN HAIR PROBLEMS AND TREATMENTS SOLVED WITH COSMETIC AND COSMECEUTICALS

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

By

NEHA C. GOTMARE

B. Pharmacy Semester VIII

Guide

Dr. D. P. KAWADE



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

**2021 – 2022**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



**Dr. D. P. KAWADE**  
M. Pharm. Ph.D.,  
Associate Professor,  
Priyadarshini J.L. College of Pharmacy,  
Nagpur.

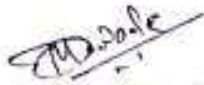
## **CERTIFICATE**

This is to certify that the project entitled "A REVIEW ON HUMAN HAIR PROBLEMS AND TREATMENTS SOLVED WITH COSMETIC AND COSMECEUTICALS", has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **NEHA C. GOTMARE** under my guidance and to my satisfaction.

This report is now ready for examination.

Place: Nagpur

Date: 13/04/22

  
**Dr. D. P. KAWADE**  
(Guide)

Associate Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

**PROJECT**

**Understanding and adopting a vegan diet**

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

By

**Juce N. Kayande**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. S. S. Bakhle**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "Understanding and adopting a vegan diet" has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Jucee N. Kayande** under guidance of **Dr. Mrs. S. S. Bakhle (Guide)** Associate Professor of Pharmaceutics Department, **Priyadarshini J. L. College of Pharmacy, and Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date:

**Dr. D.R. Chaple**  
(Principal)

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



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

440016

2021 – 2022



**Dr. D.R. Chaple**

M. Pharm. Ph.D.,

Principal,

Priyadarshini J.L. College of Pharmacy,

Nagpur-440016

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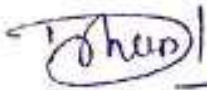
**CERTIFICATE**

This is to certify that the report entitled "A Review on Comparison of Various Herbal Pharmacopoeias" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Sohail S. Sheikh under guidance of Dr.Mrs. Sonal P. Motghare, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 13/04/22

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

**A REVIEW ON COMPARISON OF VARIOUS HERBAL  
PHARMACOPOEIAS**

*A Project*

*Submitted on the partial fulfilment for degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,*

*Nagpur*

Submitted By

**Sohail S. Sheikh**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. Sonal P. Motghare**

M. Pharm. Ph.D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-

440016

2021 – 2022

# PROJECT

## ROLE OF SUPER FOODS FOR PREVENTION AND TREATMENT OF CNS DISORDERS

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

By

**Anuj L. Gupta**

B. Pharmacy Semester VIII

Guide

**DR. Mrs. K. P. Upadhye**

M. Pharm. , Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



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

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**CERTIFICATE**

This is to certify that the project entitled **“ROLE OF SUPER FOODS FOR PREVENTION AND TREATMENT OF CNS DISORDERS”**, has been submitted for **B. Pharmacy Semester VIII** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Mr. Anuj L. Gupta** under guidance of **Dr. Mrs. K. P. Upadhye (Guide)** Associate Professor and Head of Pharmaceutics Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 31/3/22

**Dr. D. R. Chaple**  
(Principal)

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

# PROJECT

## FREE RADICALS; FATE AND BIOLOGICAL IMPORTANCE

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

By

**VAIBHAVI V. NANDURKAR**

B. Pharmacy Semester VIII

Guide

**Mr. PRASHANT N. AMALE**

(M. Pharm.)



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "Free Radicals; Fate and Biological Importance", has been submitted for **B. Pharmacy Semester VIII** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Ms. Vaibhavi V. Nandurkar** under guidance of **Mr. Prashant N. Amale (Guide) Asst. Professor, Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 06/04/2022

**Dr. D. R. Chaple**  
(Principal)

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



PROJECT

**ADVANCED TECHNOLOGIES IN QUALITY CONTROL AND  
STANDARDISATION OF HERBAL FORMULATIONS**

Submitted on the partial fulfilment

For degree of

**BACHELOR OF PHARMACY**

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

Submitted By

**AMISHA JITENDRA DAWARE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. A . J. Asnani**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021- 2022

**Priyadarshini J. L. College of Pharmacy**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

NAGPUR - 440016



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

**CERTIFICATE**

This is to certify that the report entitled "Advanced technologies in quality control and standardisation of herbal formulations" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Amisha Jitendra Daware under guidance of Dr. Mrs. A . J . Asnani, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date:

**Dr. D. R. Chaple**  
(Principal)

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

**PROJECT**

**A COMPREHENSIVE REPORT ON GENERIC  
AND BRANDED MEDICINES FOR  
TREATMENT FOR COVID-19**

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

By

**RUCHITA D. KAMDE**

B. Pharmacy Semester VIII

Guide

**Mrs. S. G. GURUNANI**

**M. PHARM**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

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**CERTIFICATE**

This is to certify that the project entitled "A COMPREHENSIVE REPORT ON GENERIC AND BRANDED MEDICINES FOR TREATMENT FOR COVID-19" has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **RUCHITA D. KAMDE** under guidance of **Mrs. S. G. GURUNANI** Assistant Professor of Pharmacognosy Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 11-04-22

**Dr. D. R. Chaple**  
(Principal)

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

**PROJECT**

**A REVIEW ON ROLE OF SURFACTANT IN COSMETICS**

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

By

**KRUTIKA V. MENDHE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. Suparna S. Bakhle**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

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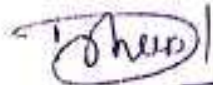
**CERTIFICATE**

This is to certify that the project entitled "A REVIEW ON ROLE OF SURFACTANT IN COSMETIC", has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **KRUTIKA V. MENDHE** under guidance of **Dr. Mrs. Suparna S. Baldhe (Guide)** Assistant Professor of pharmaceuticals Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 5/4/22

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



# **An Overview on Role of Beard Oil Formulation**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

## **BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

**Abhishek Avinash Mapari**

**Guide**

**Dr. Dinesh R. Chaple**

**(M. Pharm. PhD.)**



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

2021 - 22



**Dr. Dinesh R. Chaple**

M. Pharm, PhD,

Principal

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

This is to certify that the project entitled "**An Overview on Role of Beard Oil Formulation**", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Abhishek Avinash Mapari**, under my guidance and supervision.

This project is now ready for examination.

**Place: Nagpur**

**Date: 18-04-2022**

**Dr. Dinesh R. Chaple**  
(Principal)

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

## PROJECT

### **Correlation of the Prerequisites of Good Manufacturing Practices Guidelines of European Union and World Health Organization**

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

By

**Tanu Ajay Singh**

B. Pharmacy Semester VIII

Guide

**Mr. Sapan K. Shah**

M. Pharm.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "Correlation of the Prerequisites of Good Manufacturing Practices Guidelines of European Union and World Health Organization", has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasantukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms. TANU AJAY SINGH under guidance of Mr. Sapan K. Shah (Guide) Asst. Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 01/04/22

**Dr. D.R. Chaple**  
(Principal)

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

**A REVIEW ON VACCINE SAFETY AND SURVEILLANCE**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**Mr. Rohan A. Badratiye**

**B. Pharm. Semester VIII**

Guide

**Dr. Rahul H. Kasliwal**

**M. Pharm. Ph.D**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**

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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the project entitled "A Review on Vaccine Safety and Surveillance" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Rohan A. Badratiye under guidance of Dr. Rahul H. Kasliwal, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 06/9/22

Dr. D. R. Chaple  
(Principal)

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



# PROJECT

## IN SILICO SCREENING AND MOLECULAR DOCKING OF ATENOLOL AND ITS ANALOGUES

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

By

**Tanuj L. Gupta**

B. Pharmacy Semester VIII

Guide

**Mr. Sapan K. Shah**

M. Pharm.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "IN SILICO SCREENING AND MOLECULAR DOCKING OF ATENOLOL AND ITS ANALOGUES", has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Mr. Tanuj L. Gupta** under guidance of **Mr. Sapan K. Shah (Guide)** Asst. Professor, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 31/03/2022

**Dr. D. R. Chaple**  
(Principal)

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

**A Review On Covid-19 Pharmacovigilance Information Resources**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

**Submitted By**

**Mr. Rohitsing M. Thakur**

**B. Pharmacy Semester VIII**

**Guide**

**Dr. Rahul H. Kasliwal**

**M. Pharmacy, PhD**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**



## Priyadarshini J. L. College of Pharmacy

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

2021 - 2022



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

### CERTIFICATE

This is to certify that the Project entitled "A Review On Covid-19 Pharmacovigilance Information Resources" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This Project has been submitted by Rohitsing M. Thakur under guidance of Dr. Rahul H. Kasliwal, Priyadarshini J. L. College of Pharmacy, Nagpur.

This Project is now ready for examination.

Place: Nagpur

Date: 06/09/22

Dr. D. R. Chaple  
(Principal)

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

# **ROLE OF NUTRACEUTICALS IN HEALTH AND DISEASE PREVENTION**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Miss. Shraddha Vinod Gundawar**

**Guide**

**Mr. Anup R. Thakre**

**(M. Pharm)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 22**

## Priyadarshini J. L. College of Pharmacy

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

2021 - 22



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

### CERTIFICATE

This is to certify that the project entitled "ROLE OF NUTRACEUTICALS IN HEALTH AND DISEASE PREVENTION" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Shraddha V. Gundawar**, under the guidance and supervision of **Mr. Anup R. Thakre**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 05/04/2022

Dr. D. R. Chaple  
(Principal)

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



**PROJECT**  
**DIPEPTIDYL PEPTIDASE-4 INHIBITOR DERIVATIVES IN**  
**TREATMENT OF DIABETES**

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

**By**

**MAYANK MITHLESH PANDEY**

**B. Pharmacy Semester VIII**

**Guide**

**Dr. D. P. KAWADE**



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

**2021 – 2022**

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

2021 – 2022



**Dr. D. R. Chaple**

M. Pharm. Ph.D.,

Principal,

Priyadarshini J. L. College of Pharmacy,

Nagpur.

## **CERTIFICATE**

This is to certify that the project entitled "DIPEPTIDYL PEPTIDASE-4 INHIBITOR DERIVATIVES IN TREATMENT OF DIABETES", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by MAYANK MITHLESH PANDEY under guidance of Dr. D. P. KAWADE (Guide) Associate Professor Department of Pharmaceutical Chemistry. Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: - 13/04/2022

**Dr. D. R. Chaple**  
(Principal)

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

# **ADDITIVES USED IN COSMETICS AND THEIR EFFECTS**

*Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

**BHUSHAN H. BISEN**

**(B. Pharm. Sem.VIII)**

**Guide**

**Dr. V. D. GULKARI**

**(M. Pharm, Ph. D.)**



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

**2021 – 2022**



# Priyadarshini J. L. College of Pharmacy

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

2021 - 2022



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

## CERTIFICATE

This is to certify that the Project entitled "ADDITIVES USED IN COSMETICS AND THEIR EFFECTS", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by BHUSHAN H. BISEN under guidance of Dr. V. D. GULKARI (Guide) Associate Professor and Head of Pharmacognosy Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 22/04/22

Dr. D. R. Chaple

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

**Colorants in Cosmetic Industries: An Overview**

*A Project*

*Submitted on the partial fulfilment*

*for degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**Mr. Sahil Pradeep Fulzele**

**B. Pharmacy Semester VIII**

Guide

**Mrs. Shailju Gurunani**

**M. Pharmacy**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**

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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "Colorants in cosmetic Industries: n overview" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Sahil Pradeep Fulzele under guidance of Mrs, Shailju Gurunani, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 12-04-2022

Dr. D. R. Chaple  
(Principal)

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



## PROJECT

### **A REVIEW ON STABILITY TESTING OF HERBAL DRUGS: CHALLENGES, REGULATORY COMPLIANCE AND PERSPECTIVES**

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

By

**MOHAMMAD QUTUB MOHD ABDUL RASHEED**

B. Pharmacy Semester VIII

Guide

**Dr. D. P. KAWADE**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,  
NAGPUR-440016  
2021 – 2022



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

## **CERTIFICATE**

This is to certify that the project entitled "A REVIEW ON STABILITY TESTING OF HERBAL DRUGS: CHALLENGES, REGULATORY COMPLIANCE AND PERSPECTIVES", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by MOHAMMAD QUTUB MOHD ABDUL RASHEED under guidance of Dr. D. P. Kawade (Guide) Associate Prof. Department of pharmaceutical chemistry, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 06/04/2022

**Dr. D. R. CHAPLE**  
(Principal)

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

**PROJECT**  
**RECENT TREND IN SCREENING AND EVALUATION**  
**OF ANTI-CANCER AGENTS**

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

By

**Sakshi B Bhandekar**

B. Pharmacy Semester VIII

Guide

**Mrs. Shailju Gurunani**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



# PRIYADARSHINI J. L. COLLEGE OF PHARMACY

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



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

---

## CERTIFICATE

This is to certify that the project entitled "Recent Trend In Screening And Evaluation Of Anti-Cancer Agents" has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms. Sakshi B Bhandekar under guidance of Mrs. Shailju Gurunani (Guide) Asst. Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 12-04-2022

**Dr. D. R. Chaple**  
(Principal)

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

# EVOLUTION OF INTERNET MARKETING AND HOW IT IMPACTS A COMPANY'S BOTTOM LINE

*A Project Review*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

*Mr. Atish R. Patel*

**Guide**

*Dr. V. D. Gulkari*

*M.Pharm, Ph.D.*



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 2022**

## **Priyadarshini J. L. College of Pharmacy**

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



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

### **CERTIFICATE**

This is to certify that the project entitled "EVOLUTION OF INTERNET MARKETING AND HOW IT IMPACTS A COMPANY'S BOTTOM LINE", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur**. This project has been submitted by **Atish R. Patel**, under guidance and supervision of **Dr. V. D. Gulkari, HOD and Associate Professor**, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

**Place: Nagpur**  
**Date:**

**Dr. D. R. Chaple**  
**(Principal)**

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



**PROJECT**

**ROLE OF NUTRACEUTICALS IN EVERYDAY LIFE**

Submitted on the partial fulfilment

For degree of

**BACHELOR OF PHARMACY**

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

Submitted By

**TRUPTI K. BAJAJ**

B. Pharmacy Semester VIII

Guide

**Mr. PRASHANT N. AMALE**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021-2022

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

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

NAGPUR - 440016



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

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**CERTIFICATE**

This is to certify that the report entitled "ROLE OF NUTRACEUTICALS IN EVERYDAY LIFE" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Trupti Kamalkishor Bajaj under guidance of Mr. Prashant N. Amale, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 07-04-2022

Dr. D. R. Chaple  
(Principal)

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

**WHO GUIDELINES ON GOOD AGRICULTURAL AND  
COLLECTION PRACTICES FOR MEDICINAL  
PLANTS**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Miss. Priya D. Yelore**

**B. Pharm VIII Semester**

**Guide**

**Dr. Mrs. Manjusha P. Yeole**

**M. Pharm Ph. D**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 22**



# Priyadarshini J. L. College of Pharmacy

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

2021 - 22



**Dr. D. R. Chaple**

M. Pharm. Ph.D.

Principal

Priyadarshini J. L. College of Pharmacy,

Nagpur- 440016.

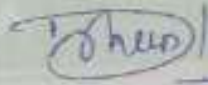
## CERTIFICATE

This is to certify that the project entitled "WHO guidelines on Good Agricultural and Collection Practices for Medicinal Plants" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Miss. priya D. Yelore, under the guidance and supervision of Dr. Mrs. Manjusha P. Yeole, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 7/4/2022

  
Dr. D. R. Chaple

(Principal)

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

# HERBAL THERAPY USED FOR HAIRCARE

*A Project Review*

*Submitted in partial fulfilment of requirements for Degree of*

## BACHELOR OF PHARMACY

*In the Faculty of Science and Technology.*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

By

*Ms. Amisha Suresh Dhuwadhapar*

Guide

*Mrs. Alpana Asnani*



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021 – 2022

# Priyadarshini J. L. College of Pharmacy

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



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

## CERTIFICATE

This is to certify that the project entitled "HERBAL THERAPY USED FOR HAIRCARE" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This project has been submitted by Amisha S. Dhuvadhapar under the guidance and supervision of Mrs. Alpana Asnani, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Dr. D. R. Chaple

(Principal)

Date: 31 March 22

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



**IN SILICO SCREENING AND  
MOLECULAR DOCKING OF ANALOGUES OF  
LISINAPRIL TOWARDS ANTI-HYPERTENSION**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Harshal Govind Pokharc**

**Guide**

**Dr. Mrs Shilpa A. Deshpande**

**(M. Pharm) Ph.D**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021-22

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

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

2021 - 22



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

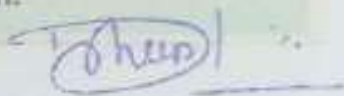
**CERTIFICATE**

This is to certify that the project entitled "IN SILICO SCREENING AND MOLECULAR DOCKING OF ANALOGUE OF LISINOPRIL TOWARDS ANTI-HYPERTENSION" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Harshal G. Pokhare, under the guidance and supervision of Dr. Mrs. Shilpa A. Deshpande, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 21/04/2022

  
Dr. D. R. Chaple  
(Principal)

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

**PROJECT**

**COMPREHENSIVE REVIEW ON STANDARDIZATION OF  
HERBAL DRUG**

Submitted on the partial fulfilment

For degree of

**BACHELOR OF PHARMACY**

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

Submitted By

**SANA SARFUDDIN ANSARI**

B. Pharmacy Semester VIII

Guide

**DR. MRS. SHUBHADA V. MANGRULKAR**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,**

**NAGPUR-440016**

2021- 2022



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

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

NAGPUR - 440016



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

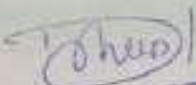
**CERTIFICATE**

This is to certify that the report entitled "comprehensive review on standardization of herbal drug" has been submitted in partial fulfillment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Sana Sarfuddin Ansari under guidance of Dr. Mrs. Shubhada V. Mangrulkar, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 5/4/22

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

**PROJECT**

**STATISTICAL METHODS FOR PRECLINICAL  
STUDIES**

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

By

**RENUKA L. VAIDYA**

B. Pharmacy Semester VIII

Guide

**Dr. M. P. YEOLE**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

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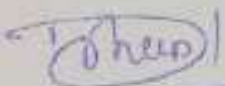
**CERTIFICATE**

This is to certify that the project entitled "STASTICAL METHODS FOR PRECLINICAL STUDIES", has been submitted for **B. Pharmacy Semester VIII** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **RENUKA L. VAIDYA** under guidance of **Dr. M. P. YEOLE (Guide)** Assistant Professor and Head of Pharmaceutical Analysis Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 16/4/22

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



# MOLECULAR DOCKING OF CELECOXIB AND IT'S ANALOGOUS AS COX 2 INHIBITOR

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Saurabh Maroti Guighane**

**Guide**

**Mr. Anup R. Thakre**

**(M. Pharm)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 22**

# Priyadarshini J. L. College of Pharmacy

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

2021 - 22



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

## CERTIFICATE

This is to certify that the project entitled "MOLECULAR DOCKING OF CELECOXIB AND IT'S ANALOGOUS AS COX 2 INHIBITOR" has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by Saurabh M. Gulghane, under the guidance and supervision of Mr. Anup R. Thakre, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 5/04/2022

Dr. D. R. Chaple  
(Principal)

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

**PROJECT**

**HERBAL DRUGS AND WORLD HEALTH ORGANIZATION  
GUIDELINE FOR QUALITY CONTROL OF HERBAL DRUGS**

Submitted on the partial fulfilment

For degree of

**BACHELOR OF PHARMACY**

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

Submitted By

**VINAY GAJANAN KAMDE**

B. Pharmacy Semester VIII

Guide

**Mr. PRASHANT N. AMALE**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021-2022



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

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

NAGPUR - 440016



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

**CERTIFICATE**

This is to certify that the report entitled "Herbal Drugs and World Health Organization Guideline for Quality Control of Herbal Drugs" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Vinay Gajanan. Kamde under guidance of Mr. Prashant N. Amale , Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 5/04/2022

Dr. D. R. Chaple  
(Principal)

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

**IN SILICO SCREENING AND MOLECULAR DOCKING OF  
SOME BIOACTIVE AGENTS TOWARDS MONO AMINE  
OXIDASE-A FOR ITS ANTIDEPRESSANT ACTIVITY**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of  
BACHELOR OF PHARMACY*

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

**By**

**Mr. Amit R. Tiwari**

**Guide**

**Dr. Mrs. Alpana J. Asnani**



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

**2021 – 2022**

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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the Project entitled "**IN SILICO SCREENING AND MOLECULAR DOCKING OF SOME BIOACTIVE AGENTS TOWARDS MONO AMINE OXIDASE-A FOR ITS ANTIDEPRESSANT ACTIVITY**", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **AMIT R. TIWARI** under guidance of **Dr. (Mrs.) A. J. Asnani (Guide)** Professor and Head of Pharmaceutical Chemistry Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This project is now ready for examination.

Place: Nagpur

Date: 31/3/22

Dr. D. R. Chaple  
(Principal)

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



# PROJECT

## PRINCIPLE, INSTRUMENTATION, AND PHARMACEUTICAL APPLICATIONS OF SOME ADVANCED INSTRUMENTATION TECHNIQUES

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

By

**Karan P. Joshi**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs Suparna S. Bakhle**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "Principle, Instrumentation And Pharmaceutical Application OF SOME ADVANCED INSTRUMENTATION TECHNIQUES", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by KARAN P. JOSHI under guidance of Dr. Mrs. Suparna S. Bakhle (Guide) Assistant Professor of pharmaceuticals Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 05/04/22

Dr. D.R. Chaple  
(Principal)

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

# PROJECT

## CALIBRATION AND VALIDATION OF SOME ANALYTICAL INSTRUMENTS AS PER ICH AND USFDA GUIDELINES

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

By

**MADHURI K. VARMA**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. S. S. Bakhle**



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

2021 – 2022



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "CALIBRATION AND VALIDATION OF SOME ANALYTICAL INSTRUMENTS AS PER ICH AND USFDA GUIDELINES", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by MADHURI K. VARMA under guidance of Dr. Mrs. S. S. Bakhle (Guide) Associate Professor of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 19/04/2022

Dr. D.R. Chaple  
(Principal)

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

# **PROJECT**

## **STANDARDIZATION AND VALIDATION OF ANALYTICAL INSTRUMENTS AS PER ICH AND USFDA GUIDELINES**

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

By

**RITIKA U. CHAUHAN**

B. Pharmacy Semester VIII

Guide

**Dr. R. H. KASLIWAL**



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

2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "STANDARDIZATION AND VALIDATION OF ANALYTICAL INSTRUMENTS AS PER ICH AND USFDA GUIDELINES", has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **RITIKA U. CHAUHAN** under guidance of **Dr. R. H. KASLIWAL (Guide)** Professor of Pharmaceutical Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 04/04/2022

**Dr. D.R. Chaple**  
(Principal)

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



**PROJECT**

**COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF  
MARKETED FORMULATIONS**

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

By

**POOJA S. BALPANDE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. G. R. Dixit**

**M. Pharm Ph.D.**



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

2021 – 2022



## **PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

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

---

### **CERTIFICATE**

This is to certify that the project entitled "**COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF MARKETED FORMULATIONS**", has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **POOJA S. BALPANDE** under guidance of **Dr. Mrs. G. R. Dixit (Guide)** Assistant Professor of Pharmaceutics Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 19/04/2022

**Dr. D.R. Chaple**  
(Principal)

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

# **PROJECT**

## **COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF MARKETED FORMULATIONS**

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

By

**POOJA P. RATHOD**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. G. R. Dixit**

**M. Pharm Ph.D.**



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

2021 – 2022





## PRIYADARSHINI J. L. COLLEGE OF PHARMACY

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

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

---

### CERTIFICATE

This is to certify that the project entitled "COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF MARKETED FORMULATIONS", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by POOJA P. RATHOD under guidance of Dr. Mrs. G. R. Dixit (Guide) Assistant Professor of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 19-4-22

Dr. D.R. Chaple  
(Principal)

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

## PROJECT

# **GUIDELINES FOR THE DEVELOPMENT OF HERBAL BASED SUNSCREEN**

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

By

**Chetna K. Dhone**

B. Pharm Sem VIII

Guide

**Dr. V. D. Gulkari**

**M. Pharm., Ph.D**



Priyadarshini j. L. College of pharmacy  
Electronic zone building, midc, hingna road, nagpur-440016  
2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "**GUIDELINES FOR DEVELOPMENT OF HERBAL BASED SUNSCREEN**", has been submitted for **B. Pharm Sem VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Chetna K. Dhone** under guidance of **dr. V. d. gulkari** (Guide) associate Professor and Head of Pharmacognosy Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 05/04/2022

**Dr. D. R. Chaple**  
(Principal)

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

# Teratogenic Effect of Different Drugs at The Stages of Pregnancy

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

By

**Akshay D. Bidwaik**

Guide

**Dr. Dinesh R. Chaple**

(M. Pharm. PhD.)



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 22





**Dr. Dinesh R. Chaple**

M. Pharm. PhD.

Principal

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

This is to certify that the project entitled "**Teratogenic Effect of Different Drugs at the Stages of Pregnancy**", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Akshay Bidwalk**, under my guidance and supervision.

This project is now ready for examination.

Place: Nagpur

Date: 18/4/2022

A handwritten signature in blue ink, appearing to read "Dinesh R. Chaple". The signature is written in a cursive style and is positioned above a horizontal line.

**Dr. Dinesh R. Chaple**  
(Principal)

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

# RECENT TRENDS IN COSMETIC SCIENCE: A REVIEW

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

By

**Mr. Samarth Ramprakash Nikhare**

Guide

**Dr. Mrs. Shubbada Mangrulkar**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021 – 2022

## Priyadarshini J. L. College of Pharmacy

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

2021 - 2022



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

### CERTIFICATE

This is to certify that the Project entitled "RECENT TRENDS IN COSMETIC SCIENCE: A REVIEW", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **SAMARTH R. NIKHARE** under guidance of **Dr. (Mrs.) Shubhada Mangrulkar (Guide)** Assistant Professor (Pharmacology Department), **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This project is now ready for examination.

Place: Nagpur

Date: 4/4/22

Dr. D. R. Chaple  
(Principal)

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

**PROJECT**  
**STUDY OF PRECLINICAL SCREENING MODEL FOR**  
**CARDIOVASCULAR ACTIVITY**

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

By

**Tejaswini A. Thakare**

B. Pharmacy Semester VIII

Guide

**Mr. Sapan K. Shah**

M. Pharm.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



# PRIYADARSHINI J. L. COLLEGE OF PHARMACY

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



**Dr. D.R. Chaple**

M. Pharm. Ph.D.,

Principal,

Priyadarshini J.L. College of Pharmacy,

Nagpur-440016

---

## CERTIFICATE

This is to certify that the project entitled "Study of Preclinical Screening Models for Cardiovascular Activity", has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms. Tejaswini A. Thakare under guidance of Mr. Sapan K. Shah (Guide) Asst. Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 1/04/2022

Dr. D.R. Chaple  
(Principal)

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

**PROJECT**

**INSILICO STUDIES AND VIRTUAL  
SCREENING OF ACYCLOVIR.**

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

By

**PRANAY R. KARANDE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. G. R. DIXIT**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-

440016

2021 – 2022

**Dr. D.R. Chaple**

M. Pharm. Ph.D.,

Principal,

Priyadarshini J.L. College of Pharmacy,

Nagpur-440016

---

**CERTIFICATE**

This is to certify that the project entitled "INSILICO STUDIES AND VIRTUAL SCREENING OF ACYCLOVIR ON DNA POLYMERASE", has been submitted for **B. Pharmacy Semester VIII** in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **PRANAY R. KARANDE** under guidance of **Dr. Mrs. G. R. DIXIT (Guide)** Asst. Professor of Pharmaceutics Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

**Dr. D.R. Chaple**  
(Principal)

Date: 13/04/2022

**PROJECT**  
**STUDY OF PRECLINICAL SCREENING MODEL FOR**  
**CNS ACTIVITY**

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

By

**Prajakta S. Sawarkar**

(B. Pharmacy Semester VIII)

Guide

**Dr. Mrs. G. R. Dixit**

(M. Pharm, Ph. D.)



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022





**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022

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

---

**CERTIFICATE**

This is to certify that the project entitled **"STUDY OF PRECLINICAL SCREENING MODELS FOR CNS ACTIVITY"**, has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This report has been submitted by **Ms. Prajakta S. Sawarkar** under guidance of **Dr. Mrs. G. R. Dixit (Guide)** Asst. Professor of Pharmaceutics Department, **Priyadarshini J. L. College of Pharmacy, Nagpur**.

This report is now ready for examination.

Place: Nagpur

Date: 16-04-22

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

**INSILICO STUDY AND VIRTUAL  
SCREENING OF CLONIDINE AS  
ANTHYPERTENSIVE DRUG**

*A Project*

*Submitted on the partial fulfilment*

*for degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,*

*Nagpur.*

Submitted By

**RITIK S. BUDHE**

Guide

**Dr. Mrs. M. P. YEOLE**  
**(M. Pharm, Ph.D)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021- 2022

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

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

2021 - 2022



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

**CERTIFICATE**

This is to certify that the report entitled "INSILICO STUDY AND VIRTUAL SCREENING OF CLONIDINE AS ANTIHYPERTENSIVE DRUG" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by RITIK BUDHE under guidance of Dr.Mrs.M.P.YEOLE, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 5/4/22

Dr. D. R. Chaple  
(Principal)

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

# PROJECT

## Regulatory Requirements For Herbal Medicines in India

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

By

**Pratyaksha Chandrakant Ujawane**

B. Pharmacy Semester VIII

Guide

**DR. Mrs. M. P. Yeole**

M. Pharm., Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



# PRIYADARSHINI J. L. COLLEGE OF PHARMACY

Electronic zone building, MIDC, Hingna road, Nagpur-440016

2021 – 2022



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

## CERTIFICATE

This is to certify that the project entitled "Regulatory Requirements For Herbal Medicines in India", has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms. Pratyaksha Ujawane under guidance of Dr. Mrs. M. P. Yeole Assistant Professor Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date:

Dr. D. R. Chaple  
(Principal)

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

# ROLE OF TURMERIC IN VARIOUS SKIN DISORDERS

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**By**

**Almus Kamil Hanfee**

**Guide**

**Dr. Dinesh R. Chaple**

**(M. Pharm. PhD.)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 22



**Dr. Dinesh R. Chaple**

M. Pharm, PhD.

Principal

Priyadarshini J. L. College of Pharmacy,

Nagpur-440016

This is to certify that the project entitled "**ROLE OF TURMERIC IN VARIOUS SKIN DISORDERS**", has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Almas Kamil Hanfee**, under my guidance and supervision.

This project is now ready for examination.

Place: Nagpur

Date: 29/03/22

**Dr. Dinesh R. Chaple**  
**(Principal)**

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

**ROLE OF HERBAL PRODUCTS IN SKINCARE  
COSMETICS**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,*

*Nagpur.*

Submitted By

**Miss. RAKSHA VIJAY TAORI**

Guide

**Dr. Mrs. M. P. YEOLE**  
**(M. Pharm, Ph.D)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**



## Priyadarshini J. L. College of Pharmacy

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

2021 - 2022



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

### CERTIFICATE

This is to certify that the report entitled "ROLE OF HERBAL PRODUCTS IN SKINCARE COSMETICS" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by RAKSHA VIJAY TAORI under guidance of Dr.Mrs.M.P.YEOLE , Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 01/04/2022

Dr. D. R. Chaple  
(Principal)

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

# PROJECT

## A GENERALISED REVIEW ON LIPSTICKS

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

By

**Anuradha Anil Dhokpande**

B. Pharmacy Semester VIII

Guide

**DR. Mrs. K. P. Upadhye**

M. Pharm. , Ph. D.



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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2021 – 2022

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
Electronic zone building, MIDC, Hingna road, Nagpur-440016  
2021 – 2022



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

---

**CERTIFICATE**

This is to certify that the project entitled "A GENERALISED REVIEW ON LIPSTICKS", has been submitted for B. Pharmacy Semester VIII in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Mrs. Anuradha Anil Dhokpande under guidance of Dr. Mrs. K. P. Upadhye (Guide) Associate Professor and Head of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 4/4/22

**Dr. D. R. Chaple**  
(Principal)

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

# **ROLE OF HERBS IN SKIN CARE COSMETICS: ALOE VERA AND TURMERIC**

A Project Review

Submitted in partial fulfilment of requirements for Degree of

**BACHELOR OF PHARMACY**

In the Faculty of Science and Technology,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

By

**Bhakti N Tapas**

(B.Pharm., Sem. VIII)

Guide

**Dr. V. D. Gulkari**

(M. Pharm, Ph.D.)



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

2021 – 2022



# Priyadarshini J. L. College of Pharmacy

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



**Dr. D. R. Chaple**

M. Pharm., Ph.D.

Principal,

Priyadarshini J. L. College of Pharmacy,

Nagpur-440016.

## CERTIFICATE

This is to certify that the project entitled "ROLE OF HERBS IN SKIN CARE COSMETICS : ALOE VERA AND TURMERIC " has been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur. This project has been submitted by **Bhakti N Tapas**, under guidance and supervision of **Dr. V. D. Gulkari**, HOD and Associate Professor, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 13/4/22

**Dr. D. R. Chaple**  
(Principal)

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

**RECENT UPDATES ON PHARMACOVIGILANCE IN PREGNANCY  
AND LACTATION**

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur*

**Submitted By**

**Mr. Devansh P. Bule**

**Guide**

**Dr. Mrs. Shilpa A. Deshpande**

**M. Pharm., Ph.D.**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021 – 2022**

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

**ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021-2022**



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

**CERTIFICATE**

This is to certify that the project entitled "**Recent updates on pharmacovigilance in pregnant and lactation**", has been submitted partial fulfilment of the requirement for the Degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project has been submitted by **Devansh P. Bule** under the guidance of **Dr. Mrs. Shilpa A. Deshpande**, Associate professor and Head of department of pharmacology, Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 11/4/22

**Dr. D. R. Chaple**  
(Principal)

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

**Alternatives to Preclinical Animal Experimentation For  
Efficacy And Safety Testing**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,  
Nagpur.*

Submitted By

**Ms. Deepa V. Adle**  
**B. Pharmacy Semester VIII**

Guide

**Dr.mrs. Shilpa Deshpande**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**



## Priyadarshini J. L. College of Pharmacy

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

2021 - 2022



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

### CERTIFICATE

This is to certify that the report entitled "Alternatives to Preclinical Animal Experimentation for Efficacy And Safety Testing" has been submitted in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Ms Deepa V. Adle under guidance of Dr.Mrs. Shilpa Deshpande Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 12/4/2022

Dr. D. R. Chaple  
(Principal)

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

**PROJECT**  
**A REVIEW ON**  
**COSMECEUTICAL SKIN CARE PRODUCTS**

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

**By**  
**NIKITA D. SHUKLA**  
B. Pharmacy Semester VIII

**Guide**  
**Dr. D. P. KAWADE**



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

**2021 – 2022**

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,  
NAGPUR-440016  
2021 – 2022



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

## **CERTIFICATE**

This is to certify that the project entitled “A REVIEW ON COSMECEUTICAL SKIN CARE PRODUCTS”, has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by NIKITA D. SHUKLA under guidance of Dr. D. P. KAWADE (Guide) Associate Professor Department of Pharmaceutical Chemistry, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 13/04/2022

Dr. D. R. Chaple  
(Principal)

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

**PROJECT**

**Status of excipients in cosmetics: A comprehensive review**

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

By

**SAKSHI GAJBHIYE**

B. Pharm. Semester VIII

Guide

**Mrs. S. G. Gurunani**

**M. Pharm.**



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

2021 – 2022



**PRİYADARSHINI J. L. COLLEGE OF PHARMACY**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA  
ROAD, NAGPUR-440016  
2021 - 2022



**Dr.D.R. CHAPLE**

M.Pharm.Ph.D.,

Professor and Principal,

Priyadarshini J.L. College of Pharmacy,

Nagpur- 440016

## **CERTIFICATE**

This is to certify that the project entitled "STATUS OF EXCEIPIENTS IN COSMETICS- A COMPREHENSIVE REVIEW" has been submitted for B.Pharmacy Semester VIII in the faculty of Science and Technology ,Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by SAKSHI GAJBHIYE under guidance of Mrs.S.G. GURNANI(Guide)Professor and Head of Pharmacognosy Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

**Dr. D.R. CHAPLE**

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

**IMPORTANCES OF DRUGS DICTIONARY AND CODING  
IN PHARMACOVIGILANCE**

*A Project*

*Submitted on the partial fulfilment*

*For degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University,*

*Nagpur.*

**Submitted By**

**Mr. Rohit D. Kalarkar**

**B. Pharm. Semester VIII**

**Guide**

**Dr. Rahul H. Kasliwal**

**M. Pharm. Ph.D**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

**2021- 2022**

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021-2022



**Dr. D. R. Chaple**

M. Pharm . Ph. D.

Principal

PRIYADARSHINI J. L. COLLEGE OF PHARMACY  
NAGPUR-440016

**CERTIFICATE**

This is to certify that the project entitled " IMPORTANCES OF DRUGS DICTIONARY AND CODING IN PHARMACOVIGILANCE" has been submitted in partial fulfilment of the requirement for the degree of **Bachelor of Pharmacy** in the Faculty of Science and Technology, **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**. This project has been submitted by **Rohit D. Kalarkar** under guidance of **Dr. Rahul H. Kasliwal, Priyadarshini J. L. College of Pharmacy, Nagpur**.

This project is now ready for examination.

Place: Nagpur

Date: 26/04/2022

**Dr. D. R. Chaple**

(Principal)

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

# PROJECT

## COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF MARKETED FORMULATIONS

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

By

**PRAJWAL V. DEOKULE**

B. Pharmacy Semester VIII

Guide

**Dr. Mrs. G. R. Dixit**

**M. Pharm Ph.D.**



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

2021 – 2022





## PRIYADARSHINI J. L. COLLEGE OF PHARMACY

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

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

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### CERTIFICATE

This is to certify that the project entitled "COMPARATIVE STUDY OF MOISTURIZING EFFICACY OF MARKETED FORMULATIONS", has been submitted for B. Pharmacy Semester VIII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by PRAJWAL V. DEOKULE under guidance of Dr. Mrs. G. R. Dixit (Guide) Assistant Professor of Pharmaceutics Department, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Date: 19/4/22

Dr. D.R. Chaple  
(Principal)

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

# Regulatory Aspect of Nutraceuticals

*A Project*

*Submitted in partial fulfilment of requirements for Degree of*

**BACHELOR OF PHARMACY**

*In the Faculty of Science and Technology,*

*Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.*

**Submitted By**

**Shruti S. Behere**

**Guide**

**Dr. Mrs. Sonal P. Motghare**

**(M.Pharm Ph.D)**



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

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

2021 – 22

# Priyadarshini J. L. College of Pharmacy

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD,

2021 - 22



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

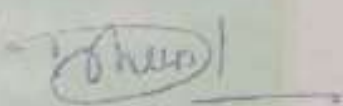
## CERTIFICATE

This is to certify that the project entitled "Regulatory Aspects of Nutraceuticals" been submitted in the partial fulfilment of the requirement for the degree of Bachelor of Pharmacy, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University by Shruti Behere under the guidance and supervision of Dr. Mrs. Sonal P. Motghare Priyadarshini J. L. College of Pharmacy, Nagpur.

This project is now ready for examination.

Place: Nagpur

Date: 25<sup>th</sup> April 2022

  
Dr. D. R. Chaple  
(Principal)

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

**REPORT**  
**of**  
**PRACTICE SCHOOL**

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

*by*  
**SANKET M. SHETE**  
**B. Pharmacy Semester VII**



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

**2021 – 2022**





Priyadarshini J. L. College of Pharmacy  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 2022

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

### CERTIFICATE

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B.Pharmacy Semester VII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by SANKET M SHETE, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Dr. D. R. Chaple  
(Principal)

Date:

**REPORT**  
**of**  
**PRACTICE SCHOOL**

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

by

**SAPANA TADAS**  
B. Pharmacy Semester VII



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

**440016**

**2021-2022**



**Priyadarshini J. L. College of Pharmacy**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440015  
2021 - 2022

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

## CERTIFICATE

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B. Pharmacy Semester VII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by SAPNA TADAS, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

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

Date: 16/12/21

**REPORT**  
**of**  
**PRACTICE SCHOOL**

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

by

**SWETA P.K. ACHARYA**  
B. Pharmacy Semester VII



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

**2021 – 2022**





**Priyadarshini J. L. College of Pharmacy**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 2022

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


---

**CERTIFICATE**

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B. Pharmacy Semester VII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by SWETA P.K. ACHARYA, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

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

Date:

**REPORT**  
**of**  
**PRACTICE SCHOOL**

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

by

**AYUSH S. MISHRA**  
B. Pharmacy Semester VII



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-**  
**440016**  
**2021 - 2022**



## Priyadarshini J. L. College of Pharmacy

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

2021 - 2022

Dr. D.R. Chaple

M. Pharm, Ph.D.

Principal

Priyadarshini J. L. College of Pharmacy,

Nagpur - 440016

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### CERTIFICATE

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B. Pharmacy Semester VII in the faculty of Science and Technology, Rashtresant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by AYUSH S. MISHRA, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Dr. D. R. Chaple  
(Principal)

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

Date:

**REPORT  
OF  
PRACTICE SCHOOL**

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

by

**SATISHKUMAR S. SHAH**

**B. Pharmacy Semester VII**



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

**2021 – 2022**





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

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 2022

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

---

**CERTIFICATE**

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B. Pharmacy Semester VII in the faculty of Science and Technology, Rashtrasant Tukadeji Maharaj Nagpur University, Nagpur. This report has been submitted by SATISHKUMAR S. SHAH, Priyadarshini J. L. College of Pharmacy, Nagpur.  
This report is now ready for examination.

Place: Nagpur

Dr. D. R. Chaple  
(Principal)

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

**REPORT  
OF  
PRACTICE SCHOOL**

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

by

**Sandesh D. Lohiya**  
**B. Pharmacy Semester VII**



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

**2021-2022**



## Priyadarshini J. L. College of Pharmacy

ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
2021 - 2022

Dr. D. R. Chaple

M. Pharm. Ph. D. Principal

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

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### CERTIFICATE

This is to certify that the report entitled "PRACTICE SCHOOL REPORT", has been submitted for B.Pharmacy Semester VII in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This report has been submitted by Sandesh D. Lohiya, Priyadarshini J. L. College of Pharmacy, Nagpur.

This report is now ready for examination.

Place: Nagpur

Dr. D. R. Chaple  
(Principal)

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

Date:

**REPORT  
OF  
PRACTICE SCHOOL**

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

By

**SANKALP A. BALI**  
B. Pharmacy Semester VII



**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**  
**ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016**  
**2021 – 2022**





**Priyadarshini J. L. College of Pharmacy**  
ELECTRONIC ZONE BUILDING, MIDC, HINGNA ROAD, NAGPUR-440016  
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Dr. D.R. Chaple  
M. Pharm. Ph.D.  
Principal  
Priyadarshini J. L. College of Pharmacy,  
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This report is now ready for examination.

Place: Nagpur

Date: 16/01/2024

Dr. D. R. Chaple  
(Principal)

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