



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-343-Barkatpura Hyderabad -500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## **ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**CHINNA LAKSHMAMMA GARI RAMYA**

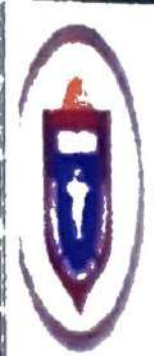
**(170619881021)**

*C. Ina*  
*9/8/23*

*Under the Guidance of*

**Mrs.D.Sowjanya**

**Assistant Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



24-243-Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI

Recognized under section 3(1) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **CHINNA LAKSHMAMMA GARI RAMYA, 170619881021**, during the academic year 2022-2023 under the guidance of **Mrs.D.SOWJANYA, Assistant Professor.**

Date: 08-08-2023  
Place: Hyderabad



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**PROF. M. SUMAKANTH**

Principal

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## EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*  
**E. SRIKSHETRA**  
**(170619881022)**

*Under the Guidance of*  
**Dr.J.Archana**<sub>M.pharm,ph.D</sub>  
**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**  
**RBVRR Women's College of pharmacy**

*(1) name  
9/8/23*



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **E.SRIKSHETRA, 170619881022**, during the academic year 2022-2023 under the guidance of **Dr.J.Archana**, Professor and Head, Department of pharmacology.

Date: 08/08/2023

Place: Hyderabad



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RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

Submitted by

**G. SRIJA**

(170619881023)

*Under the Guidance of*

**Dr.J.Archana**<sub>M.pharm,ph.D</sub>

**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**

**RBVRR Women's College of pharmacy**

C1. name 9/8/23



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **G.SRIJA, 170619881023**, during the academic year 2022-2023 under the guidance of **Dr.J.Archana**, Professor and Head, Department of pharmacology.

Date: 08/08/2023

Place: Hyderabad.



*M. Sumakanth*  
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Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





## **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**G MOUNIKA**

**(170619881024)**

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**

*Signature*  
*9/8/23*



24-24-2019, Wednesday, 5:00 PM, 10:00 PM

Received 2015-07-20; revised 2015-08-10; accepted 2015-08-10

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **G MOUNIKA, 170619881024**, during the academic year 2021-2023 under the guidance of **Dr. G. Uma Rani, Associate Professor, Department of Pharmaceutics.**

Date: 8/8/23.  
Place: HYDERABAD.



*M. Sumakanth*  
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Barkatpura, Hyderabad.





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## EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**G.KAVYA**

**(170619881025)**

*Under the Guidance of*

**Dr.J.Archana** M.pharm,ph.D

**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**

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## ENDORSEMENT BY THE PRINCIPAL

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Date: 08/08/2023

Place: Hyderabad



*T. S. Kanth*  
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*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*  
**G.DIVYA SRI**  
**(170619881026)**

*Under the Guidance of*  
**Dr.J.Archana** M.pharm,ph.D  
**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**  
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9/8/23



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Date: 08/08/2023

Place: Hyderabad



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Barkatpura, Hyderabad.





## HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*  
**INDUR SWETHA SUHASINI**  
**(170619881027)**

*Under the Guidance of*  
**Mrs. P. APARNA**  
**Assistant Professor**

**Department of Pharmaceutics.**

*C. V. V. V.*  
*9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027, Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **INDUR SWETHA SUHASINI, 170619881027**, during the academic year 2022-2023 under the guidance of **Mrs. P.APARNA, Assistant Professor, Department of pharmaceutics.**

**Date:** 08/08/2023

**Place:** Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



## **HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**JAKINABOINA SUSHMA**

**(170619881028)**

*Under the Guidance of*

**Mrs. P. APARNA**

**Assistant Professor**

**Department of Pharmaceutics.**

*9/8/23*





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **JAKINABOINA SUSHMA, 170619881028**, during the academic year 2022-2023 under the guidance of **Mrs.P.APARNA, Assistant Professor, Department of pharmaceuticals.**

**Date:** 8/8/23

**Place:** Hyderabad



*y. s. kanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## **ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**J.EESHA**

**(170619881029)**

*C. Narayana*  
*9/8/23*

*Under the Guidance of*

**Dr.M.P. Kusuma**

**Associate Professor**



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **"ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES"** submitted to Osmania University for the award of the degree of Bachelor of Pharmacy has been successfully carried out by **J.EESHA , 170619881029**, during the academic year 2022-2023 under the guidance of **Dr.M.P. Kusuma, Associate Professor**.

Date: 08/08/2023

Place: Hyderabad



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Barkatpura, Hyderabad.





**RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-343 Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI

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# **STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**J.SANJANA RAJ**

**(170619881030)**

*Under the Guidance of*

**Mrs. G. R. Prasanna Laxmi**

**Assistant Professor (Sr Gr)**

*Signature*  
9/8/23



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 70 of the UGT 1-1956 & Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify that the Project Report entitled “**STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **J. SANJANA RAJ, 170619881030**, during the academic year 2022-2023 under the guidance of **Mrs. G. R. Prasanna Laxmi, Assistant Professor(Sr Gr)**.

Date: 08/08/2023

Place: Hyderabad



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PROF. M. SUMAKANTH

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RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-243-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

# EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

Submitted by

**JUWARIA BEGUM**

**(170619881031)**

*Under the Guidance of*

**Mrs. PREETHI CHAVAN**

DEPARTMENT OF PHARMACOLOGY

9/8/23





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

Recognized under section 2(f) of the USC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "EVALUATION OF ANTIMITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACTS OF COSTUS IGNEUS LEAVES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **JUWARIA BEGUM, 170619881031**, during the academic year 2022-2023 under the guidance of **Mrs. Preethi Chavan, Department of pharmacology.**

Date: 03/08/2023

Place: Hyderabad



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Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



24-243-Barkatpura Hyderabad -500077 Approved by AICTE & PCI

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## **ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Chinmay*  
9/8/23

***Submitted by***  
**K.PALLAVI**  
**(170619881032)**

***Under the Guidance of***  
**Mrs.D.Sowjanya**  
**Assistant Professor**





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-242-Barkatpura, Hyderabad -500077. Approved by AICTE & PCI

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**Date:** 08-08-2023

**Place:** Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

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Barkatpura, Hyderabad.





**RBVRR WOMEN'S COLLEGE OF PHARMACY**



2-4-243 Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

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# **STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**K.RUPASREE**  
**(170619881033)**

*Under the Guidance of*  
**Mrs. G. R. Prasanna Laxmi**  
**Assistant Professor (Sr Gr)**

*Signature*  
9/8/23



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-242 Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Our nearest neighbor was from 1971 of the 1982 for RBVRR established in Osmania University

## ENDORSEMENT BY THE PRINCIPAL

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Date:

08/08/2023

Place:

Hyderabad



*M. Sumakanth*

PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



24-24-2019, Thursday - 5:00 PM Approved by MS: 3/20

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## NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

Submitted by

**K BHAVANI**

**(170619881034)**

9/8/23 Under  
Dr. C

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **K. BHAVANI 170619881034**, during the academic year 2021-2023 under the guidance of **Dr. G. Uma Rani, Associate Professor, Department of Pharmaceutics.**

**Date:** 08/08/2023

**Place:** Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's

College of pharmacy

Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



U-4242-Barkatpore, Hyderabad - 500077 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956 Affiliated to Osmania University

## **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**K. TEJASREE**

**(170619881035)**

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**

*(1) ing 9/8/23*



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **K. TEJASREE 170619881035** during the academic year 2021-2023 under the guidance of **Dr. G. Uma Rani, Associate Professor, Department of Pharmaceutics.**

**Date:** 8/8/23.

**Place:** HYDERABAD.



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal  
RBVRR Women's  
College of pharmacy  
Barkatpura, Hyderabad.





## HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**KAREM RUCHITHA**

**(170619881036)**

*Verified  
9/8/23*

*Under the Guidance of*

**Mrs. P. APARNA**

**Assistant Professor**

**Department of Pharmaceutics.**



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **KAREM RUCHITHA, 170619881036**, during the academic year 2022-2023 under the guidance of **Mrs. P.APARNA, Assistant Professor, Department of pharmaceutics.**

**Date:**

08/08/2023

**Place:**

Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.







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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**HERBAL DRUG FORMULATIONS FOR IMPROVING IMMUNITY**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **KETHAVATH MOUNIKA, 170619881037**, during the academic year 2022-2023 under the guidance of **Mrs. P.APARNA, Assistant Professor, Department of pharmaceutics.**

**Date:** 08/08/2023

**Place:** Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



Pharmaceuticals International - ISO 9001:2015 Approved to AICTE & PCI

Incorporated under section 22 of the A.P. Act 1956 Affiliated to Osmania University

## **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**K. VAISHNAVI**

**(170619881039)**

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**

*C. V. Ravi*  
*9/8/23*



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **K. VAISHNAVI, 170619881039**, during the academic year 2021-2023 under the guidance of **Dr. G. Uma Rani, Associate Professor, Department of Pharmaceutics.**

**Date:** 08-08-2023

**Place:** Hyderabad.



*Prof. M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's

College of pharmacy

Barkatpura, Hyderabad.





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-342-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

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*Submitted by*  
**K. JAHNAVI**  
**(170619881041)**

*Under the Guidance of*  
**Dr.J.Archana** M.pharm,ph.D  
**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**  
**RBVRR Women's College of pharmacy**

*C. Venkatesh*  
*9/8/23*



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Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**EVALUATION OF *IN VITRO* ANTI-DIABETIC ACTIVITY OF VARIOUS FRUIT PEEL EXTRACTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **K.JAHNAVI, 170619881041**, during the academic year 2022-2023 under the guidance of **Dr.J.Archana**, Professor and Head, Department of pharmacology.

Date: 08/08/2023

Place: Hyderabad.



*Prof. J. Archana*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**LAMEYA FATIMA**

**(170619881042)**

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**

*1*  
*9/8/23*





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ **NEED AND PURPOSE OF DEVELOPING NOVEL DOSAGE FORM OF DICLOFENAC SODIUM**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **LAMEYA FATIMA, 170619881042**, during the academic year 2021-2023 under the guidance of **Dr. G. Uma Rani, Associate Professor, Department of Pharmaceutics.**

**Date:** 8/8/23

**Place:** HYDERABAD



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal  
RBVRR Women's  
College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-343-Barkatpura, Hyderabad - 500027, Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956, Affiliated to Osmania University

## **DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

***Submitted by***  
**M.SAMYUKTHA**  
**(170619881046)**

***Under the Guidance of***  
**DR.M.VIJAYA BHARGAVI**  
**Associate Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-343-Barkatpura, Hyderabad -500027, Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M.SAMYUKTHA, 170619881046**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate Professor.

Date: 8/8/2023

Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# **ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**MANNE SAI ANUSHA**

**(170619881047)**

*Under the Guidance of*

**Dr. SUDHA PARIMALA M.PHARM Ph.D.**

**ASSOCIATE PROFESSOR**

**DEPARTMENT OF PHARMACOGNOSY**

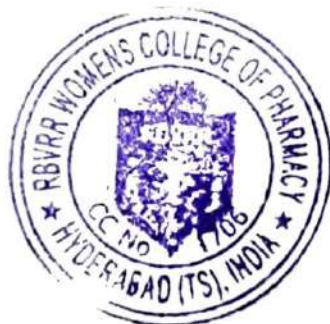


## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **"ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS"** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **MANNE SAI ANUSHA, 170619881047**, during the academic year 2022-2023 under the guidance of Dr. Sudha Parimala, Associate Professor, Department of Pharmacognosy.

Date: 8/8/2023

Place: Hyd



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**MEKA VAISHNAVI**

**(170619881050)**

*Under the Guidance of*

**Dr. SUDHA PARIMALA M.PHARM Ph.D.**

**ASSOCIATE PROFESSOR**

**DEPARTMENT OF PHARMACOGNOSY**





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **MEKA VAISHNAVI, 170619881050**, during the academic year 2022-2023 under the guidance of Dr. Sudha Parimala, Associate Professor, Department of Pharmacognosy.

Date: 8/8/2023

Place: Hyd



  
PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



2-4-242-Barkatpura, Hyderabad -500077 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ***FORMULATION & EVALUATION OF DICLOFENAC SODIUM LOADED NANOPARTICLES***

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**M. Shruthika (170619881051)**

*Under the Guidance of*

**Dr. K. V Ratnamala**

**Senior Assistant Professor**

1  
9/8/23



# RBVRR WOMEN'S COLLEGE OF PHARMACY



24-262-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 30 of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled ""**Formulation and evaluation of diclofenac sodium loaded nanoparticles**"" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M.Shruthika(170619881051)**, during the academic year 2022-2023 under the guidance of **Dr.K.V Ratnamala, Senior Assistant Professor**

**Date:** 8/8/23

**Place:** Hyderabad.



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



24-262-Barkatpore Hyderabad -500027 Approved by AICTE & PCI

Incorporated under section 20 of the A.P. Act 1956 Affiliated to Osmania University

## ***FORMULATION & EVALUATION OF DICLOFENAC SODIUM LOADED NANOPARTICLES***

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**M.Rohini (170619881052)**

*Under the Guidance of*

**Dr.K.V Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**

*1 - nay 9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-342-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**Formulation and evaluation of diclofenac sodium loaded nanoparticles**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M.Rohini(170619881052)**, during the academic year 2022-2023 under the guidance of **Dr.K.V Ratnamala**, Associate Professor , Department of Pharmaceutics.

**Date:** 08 - 08 - 2023

**Place:** Hyderabad.



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.

# REGULATORY FILING PROCEDURE FOR EMERGENCY APPROVAL OF MEDICINE IN INDIA



## *THE PRACTICE SCHOOL REPORT SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF PHARMACY*

*Submitted by*

**PRIYA YADAV**  
(Reg.No.170618881053)

*Under the Guidance of*

**Dr. K. V. RATNAMALA, M.Pharm. Ph.D.**  
**Associate Professor**



*Apurva*  
**External Examiner**

**RBVRR WOMENS COLLEGE OF PHARMACY**  
**Barkathpura, Hyderabad – 500027**  
**TELANGANA, INDIA**



# RBVRR WOMEN'S COLLEGE OF PHARMACY

AFFILIATED OSMANIA UNIVERSITY

BARKATPURA, HYDERABAD-500027; TELANGANA-INDIA



## CERTIFICATE

This is to certify that the Practice school Project Report entitled **“REGULATORY FILING PROCEDURE FOR EMERGENCY APPROVAL OF MEDICINE IN INDIA”** submitted to Osmania University by **Ms. PRIYA YADAV** as a part of B Pharm VII semester Curriculum comprises of the Practice School activity done by her in RBVRR Women's College of Pharmacy, under the supervision of **Dr.K.V.RATNAMALA, Associate professor at R.B.V.R.WOMENS COLLEGE OF PHARMACY** and the contents of the thesis do not form the basis for the award of any other degree or diploma to the candidate from this or any other university elsewhere.



*y.j-kant*  
Signature of Principal

Prof.M.SUMAKANTH,

M. Pharm Ph.D.

Date: 6/01/2022

Place Hyderabad



# **ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**M. SHYAMALA**  
**(170619881054)**

*Under the Guidance of*

**Dr. SUDHA PARIMALA M.PHARM Ph.D.**  
**ASSOCIATE PROFESSOR**  
**DEPARTMENT OF PHARMACOGNOSY**

1. verified  
9/8/23



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **“ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS”** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M. SHYAMALA, 170619881054**, during the academic year 2022-2023 under the guidance of Dr. Sudha Parimala, Associate Professor, Department of Pharmacognosy.

**Date:** 8/8/2023

**Place:** Hyd.



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



24-242-Barkatpura Hyderabad -500077 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ***FORMULATION & EVALUATION OF DICLOFENAC SODIUM LOADED NANOPARTICLES***

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**M. Soorya Durga (170619881055)**

*Under the Guidance of*

**Dr. K. V Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**

*1. Soorya Durga  
9/8/23*



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2-4-262 Barkatpura Hyderabad -500077 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**Formulation and evaluation of diclofenac sodium loaded nanoparticles**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M.Soorya Durga(170619881055)**, during the academic year 2022-2023 under the guidance of **Dr.K.V Ratnamala**, Associate Professor, Department of Pharmaceutics.

**Date:** 01/01/2023

**Place:** Hyderabad



  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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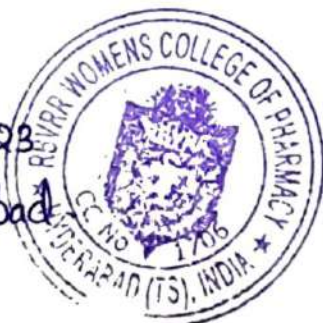
Recognized under section 21D of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **NAREDLA RUCHITHA, 170619881056**, during the academic year 2022-2023 under the guidance of **Mrs.D.SOWJANYA, Assistant Professor**.

Date: 08/08/2023

Place: Hyderabad



  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# **ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**N. GEETHA SUPRIYA**

**(170619881059)**

*Under the Guidance of*

**Dr. SUDHA PARIMALA M.PHARM Ph.D.**

**ASSOCIATE PROFESSOR**

**DEPARTMENT OF PHARMACOGNOSY**



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **N. GEETHA SUPRIYA, 170619881059**, during the academic year 2022-2023 under the guidance of Dr. Sudha Parimala, Associate Professor, Department of Pharmacognosy.

**Date:** 8/8/2023

**Place:** Hyd.



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-242-Barkatpura, Hyderabad -500027 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ***FORMULATION & EVALUATION OF DICLOFENAC SODIUM LOADED NANOPARTICLES***

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**P.Sushma(170619881060)**

*Under the Guidance of*

**Dr.K.V Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**

*Signature  
9/8/23*





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2-4-242-Barkatpura, Hyderabad -500027, Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **N.SPANDANA,170619881058**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI , Associate Professor**.

Date: 8/08/2023

Place: Hyderabad



*y. s. kanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027, Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.POOJA, 170619881064**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate Professor.

Date: 8/08/23

Place: Hyderabad



*y. s. kanth*  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**DEVELOPMENT OF 3DQSAR MODEL FOR ANTI DEPRESSANT**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M. RAGHAVI,[170619881045]**, during the academic year 2022-2023 under the guidance of **Prof.M.SUMAKANTH, DEPARTMENT OF PHARMACUTICAL CHEMISTRY.**



Date: 08/08/23

Place: Hyderabad

*M. S. Sumakanth*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**DEVELOPMENT OF 3DQSAR MODEL FOR ANTI DEPRESSANT**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **SHERI MEGHANA, [170619881074]**, during the academic year 2022-2023 under the guidance of **Prof.M.SUMAKANTH, DEPARTMENT OF PHARMACUTICAL CHEMISTRY.**



Date: 8/8/23

Place: HYDERABAD

*P. J. Karthi*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Sarkatspura, Hyderabad -500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3DQSAR MODEL FOR ANTI DEPRESSANT**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **SHAIK SAMREEN,[170619881073]**, during the academic year 2022-2023 under the guidance of **Prof.M.SUMAKANTH, DEPARTMENT OF PHARMACUTICAL CHEMISTRY.**



Date: 08/08/2023

Place: Hyderabad

*M.S. Kanth*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3DQSAR MODEL FOR ANTI DEPRESSANT**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **RIA SINGH,[170619881069]**, during the academic year 2022-2023 under the guidance of **Prof.M.SUMAKANTH, DEPARTMENT OF PHARMACUTICAL CHEMISTRY.**

Date: 8/8/23

Place: Hyderabad.



*7.5-kant*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3DQSAR MODEL FOR ANTI DEPRESSANT**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **T. GOWTHAMI**, [170619881085], during the academic year 2022-2023 under the guidance of **Prof.M.SUMAKANTH**, DEPARTMENT OF PHARMACUTICAL CHEMISTRY.



Date: 08/Aug/2023.  
Place: Hyderabad

*Prof. M. Sumakanth*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027, Approved by AICTE & PCI

Recognized under section 2(F) of the USC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **M.SAMYUKTHA, 170619881046**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate Professor.

Date: 8/8/2023

Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 2(F) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**DEVELOPMENT OF 3D-QSAR MODEL FOR ANTIHYPERLIPIDEMIC AGENTS**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.ANUSHA, 170619881065**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate Professor.

Date: 8/8/2023

Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-343-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **“DEVELOPMENT OF 3D-QSAR MODEL FOR NON-STEROIDAL ANTI-INFLAMMATORY AGENTS”**

submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.SRIHARSHA,170619881062**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**,  
**Associate Professor.**

Date: 8/8/2023  
Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-242-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **"DEVELOPMENT OF 3D-QSAR MODEL FOR NON-STEROIDAL ANTI-INFLAMMATORY AGENTS"** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **N.SHIRISHA, 170619881057**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**,  
**Associate Professor.**

Date:

8/8/2023

Place:

Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



**RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-242-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI  
Recognized under section 2(f) of the UGC Act 1956 Affiliated to Osmania University

# **STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**A.S.MYTHILI**  
**(170619881002)**

*Under the Guidance of*  
**Mrs. G. R. Prasanna Laxmi**  
**Assistant Professor (Sr Gr)**

*C. nayana*  
*9/8/23*





# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-243-Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI


Recognized under section 7(f) of the UGC Act 1956 & Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify that the Project Report entitled "STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by A.S.MYTHILI, 170619881002, during the academic year 2022-2023 under the guidance of Mrs. G. R. Prasanna Laxmi, Assistant Professor(Sr Gr).

Date: 08/08/2023  
Place: Hyderabad



  
PROF. M. SUMAKANTH  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



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## **PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY***

*Submitted by*

**AAYESHA QHURSHEED SHAGUFTAH AMEEN**

**(170619881003)**

*Under the Guidance of*

**Ms. ZEENATH BANU, M Pharm (Ph.D)**

**Senior Assistant Professor**

**Department Of Pharmacology**

*1. verified  
9/8/23*



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Recognized under section 2(f) of the USC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **AAYESHA QHURSHEED SHAGUFTAH AMEEN, 170619881003**, during the academic year 2022-2023 under the guidance of Ms. **ZEENATH BANU M. PHARM (Ph.D)** Senior Assistant Professor, Department Of Pharmacology.

Date: 9/8/23

Place: Hyderabad



PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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2-4-242-Sarkatsara, Hyderabad -500077 Approved by MCTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

# **STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**A.SWAPNA**

**(170619881005)**

*Under the Guidance of*

**Mrs. G. R. Prasanna Laxmi**

**Assistant Professor (Sr Gr)**


*C. Swapna*  
**9/8/23**

**ENDORSEMENT BY THE PRINCIPAL**

This is to certify that the Project Report entitled “**STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **A.SWAPNA, 170619881005**, during the academic year 2022-2023 under the guidance of **Mrs. G. R. Prasanna Laxmi, Assistant Professor(Sr Gr)**.

Date: 08/08/2023  
Place: Hyderabad



  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## **ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**A.SWATHI**

**(170619881006)**

*C. name*  
*9/8/23*

*Under the Guidance of*

**Dr.M.P. Kusuma**

**Associate Professor**





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES” submitted to Osmania University for the award of the degree of Bachelor of Pharmacy has been successfully carried out by A.SWATHI , 170619881006, during the academic year 2022-2023 under the guidance of Dr.M.P. Kusuma, Associate Professor.

Date: 08/08/2023

Place: Hyderabad.



*M. Sumakanth*  
PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

3-4-343-Barkagana Hyderabad - 500047. Approved by AICTE &amp; PCI

Recognized under section 2(f) of the USC Act 1956. Affiliated to Domsans University.

# STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**AKHILA JOGU**  
**(170619881007)**

*Under the Guidance of*  
**Mrs. G. R. Prasanna Laxmi**  
**Assistant Professor (Sr Gr)**

Q. Name \_\_\_\_\_ 9/8/23



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 7(1) of the UGC Act 1956 & affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify that the Project Report entitled “**STUDY OF VARIOUS FACTORS AFFECTING THE STABILITY OF BIPHASIC LIQUID DOSAGE FORMS**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **AKHILA JOGU, 170619881007**, during the academic year 2022-2023 under the guidance of **Mrs. G. R. Prasanna Laxmi, Assistant Professor(Sr Gr)**.

Date: 08/08/2023  
Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





## **EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**AMTUL HAFEEZ GAZALA**

**(170619881008)**

*C. name*  
*9/8/23*

*Under the Guidance of*

**Mrs. PREETHI CHAVAN**

**DEPARTMENT OF PHARMACOLOGY**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "EVALUATION OF ANTIMITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACTS OF COSTUS IGNEUS LEAVES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by AMTUL HAFEEZ GAZALA, 170619881008, during the academic year 2022-2023 under the guidance of Mrs. Preethi Chavan, Department of pharmacology.

Date: 08/08/2023

Place: Hyderabad



*M. Sumakanth*  
PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



2-4-343-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## **ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

***Submitted by***  
**A.JHANSI RANI**  
**(170619881009)**

***Under the Guidance of***  
**Dr.M.P. Kusuma**  
**Associate Professor**

*C. inayath  
9/8/23*





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONAS AERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES” submitted to Osmania University for the award of the degree of Bachelor of Pharmacy has been successfully carried out by **A.JHANSI RANI** , 170619881009, during the academic year 2022-2023 under the guidance of **Dr.M.P. Kusuma**, Associate Professor.



**Date:** 08/08/2023

**Place:** Hyderabad

*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



3-4-343-Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## **PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY***

*Submitted by*

**A. ALEKYA**

**(170619881010)**

1. verified  
9/8/23

*Under the Guidance of*

**Ms. ZEENATH BANU, M Pharm (Ph.D)**

**Senior Assistant Professor**

**Department of Pharmacology**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-342-Barkatpura, Hyderabad - 500027. Approved by AICTE & PCI

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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **A.ALEKYA, 170619881010**, during the academic year 2022-2023 under the guidance of **Ms.ZEENATH BANU M PHARM, (Ph.D)** Senior Assistant Professor, Department Of Pharmacology.

Date: 9/8/23

Place: Hyderabad



*J. S. Sumakanth*

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RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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## **PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY***

*Submitted by*

**B.DIVYA**

**(170619881011)**

*C. Naveen*  
*9/8/23*

*Under the Guidance of*

**Ms. ZEENATH BANU, M Pharm (Ph.D)**

**Senior Assistant Professor**

**Department Of Pharmacology**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

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Date: 9/8/23

Place: Hyderabad



*J. Sumakanth*

PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



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## **PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY***

*Submitted by*

**B.SHIRISHA**

**(170619881012)**

1- verified  
9/8/23

*Under the Guidance of*

**Ms. ZEENATH BANU, M Pharm (Ph.D)**

**Senior Assistant Professor**

**Department Of Pharmacology**





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3-4-343-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

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Date: 9/8/23

Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

**Principal**

**RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.**



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## PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF SELECTED FLOWER EXTRACTS FOR ANTINOCICEPTIVE ACTIVITY

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY*

*Submitted by*

**BANDHAL VINOD MOUNIKA**

**(170619881013)**

*Under the Guidance of*

**Ms. ZEENATH BANU, M Pharm (Ph.D)**

**Senior Assistant Professor**

**Department Of Pharmacology**

1. verified  
9/8/23



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Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

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Date: 9/8/23

Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

**Principal**

**RBVRR Women's College of pharmacy**

**Barkatpura, Hyderabad.**





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## **ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONAS AERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**B.TAPASWI**

**(170619881016)**

*C. Vengal Rao*  
*9/8/23*

*Under the Guidance of*

**Dr.M.P. Kusuma**

**Associate Professor**



## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONAS AERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES" submitted to Osmania University for the award of the degree of Bachelor of Pharmacy has been successfully carried out by **B.TAPASWI** , 170619881016, during the academic year 2022-2023 under the guidance of **Dr.M.P. Kusuma**, Associate Professor.

**Date:** 08/08/2023  
**Place:** Hyderabad



  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

Submitted by

**B.TEJASWI**

**(170619881017)**

*Under the Guidance of*

**Dr.M.P. Kusuma**

**Associate Professor**

9/8/23





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "**ANALYSIS OF DRUG RESISTANT GENOME OF *PSEUDOMONASAERUGINOSA* AND IDENTIFICATION OF PUTATIVE SEQUENCES**" submitted to Osmania University for the award of the degree of Bachelor of Pharmacy has been successfully carried out by **B.TEJASWI**, 170619881017, during the academic year 2022-2023 under the guidance of **Dr.M.P. Kusuma**, Associate Professor.



**Date:** 08/08/2023  
**Place:** Hyderabad

  
**PROF. M. SUMAKANTHI**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



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## **ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**LAYA VARMA**

**(170619881018)**

*C. K. S. S. S.*  
*9/8/23*

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **LAYA VARMA, 170619881018**, during the academic year 2022-2023 under the guidance of **Mrs.DSowjana, Assistant Professor**.

**Date:** 09/08/2023

**Place:** Hyderabad.



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



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Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## **ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**CHIMARLA SRIVANI**

**(170619881020)**

*C. narayana*  
*9/8/23*

*Under the Guidance of*

**Mrs.D.Sowjanya**

**Assistant Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-Barkatpura, Hyderabad -500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**ESTIMATION OF ADDED COLORANTS IN PROCESSED FOODS USING ANALYTICAL TECHNIQUES**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **CHIMARLA SRIVANI, 170619881020**, during the academic year 2022-2023 under the guidance of **Mrs.D.SOWJANYA, Assistant Professor.**

Date: 08-08-2023

Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## **EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**TASHVEEN BEGUM**

**(170619881083)**

*Under the Guidance of*

**Mrs. PREETHI CHAVAN**

**DEPARTMENT OF PHARMACOLOGY**

*9/8/23*





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-363-Barkatpura, Hyderabad -500027. Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "EVALUATION OF ANTIMITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACTS OF COSTUS IGNEUS LEAVES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **TASHVEEN BEGUM, 170619881083**, during the academic year 2022-2023 under the guidance of **Mrs. Preethi Chavan, Department of pharmacology.**

Date: 08/08/2023

Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



2-4-2nd-Barkatpura Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## **COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Timmapuram Hephshibha*

***Submitted by***  
**TIMMAPURAM HEPHSHIBHA**  
**(170619881086)**

***Under the Guidance of***  
**Mrs. M. KAVITHA**  
**ASSISTANT PROFESSOR**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-262-Barkatpura, Hyderabad -500077 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by T.HEPSHIBHA, 170619881086, during the academic year 2022-2023 under the guidance of Mrs.M.KAVITHA, DEPARTMENT OF PHARMACOLOGY.



Date: 8/8/23

Place: Hyderabad.

*M. Sumakanth*

PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



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2-4-242-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI Accredited by NBA

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## **ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**ZOHA MUZAMMIL**

**(170619881087)**

*C. Sowjanya*

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-243-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI, Accredited by NBA

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **ZOHA MUZAMMIL, 170619881087**, during the academic year 2022-2023 under the guidance of **Mrs. D. Sowjana, Assistant Professor**.

Date: 09/08/2023

Place: Hyderabad.



**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-243-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled ""**Formulation and evaluation of diclofenac sodium loaded nanoparticles**"" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.Sushma(170619881060)**, during the academic year 2022-2023 under the guidance of **Dr.K.V Ratnamala**, Associate Professor, Department of Pharmaceutics.

**Date:** 8/8/23  
**Place:** Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ***FORMULATION & EVALUATION OF DICLOFENAC SODIUM LOADED NANOPARTICLES***

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**P.Keerthika(170619881061)**

*Under the Guidance of*

**Dr.K.V Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**



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3-4-342-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**Formulation and evaluation of diclofenac sodium loaded nanoparticles**” submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.Keerthika(170619881061)**, during the academic year 2022-2023 under the guidance of **Dr.K.V Ratnamala**, Associate Professor , Department of Pharmaceutics.

Date: 8/8/23

Place: Hyderabad



  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**PALTHI LAXMI**  
**(170619881063)**

*Under the Guidance of*  
**Dr. SUDHA PARIMALA M.PHARM Ph.D.**  
**ASSOCIATE PROFESSOR**  
**DEPARTMENT OF PHARMACOGNOSY**

9/8/23





## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **“ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF DIETARY FIBERS”** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **PALTHI LAXMI, 170619881063**, during the academic year 2022-2023 under the guidance of Dr. Sudha Parimala, Associate Professor, Department of Pharmacognosy.

Date:

8/8/2023

Place:

Hyd



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## **SOLUBILITY ENHANCEMENT TECHNIQUES FOR ENHANCING THE SOLUBILITY OF DAPSONE**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**P.SANKEERTHANA**

**(170619881066)**

*Signature*  
*9/8/23*

*Under the Guidance of*

**Mrs. Dr. A. Krishna sailaja**

**Professor**



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **“SOLUBILITY ENHANCEMENT TECHNIQUES FOR ENHANCING THE SOLUBILITY OF DAPSONE”** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **P.SANKEERTHANA, 170619881066**, during the academic year 2022-2023 under the guidance of **Mrs. Dr. A. Krishna sailaja, Professor.**

Date: 8/08/23

Place: Hyderabad



*P. S. Kanth*  
**PROF. M. SUMAKANTH**  
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Barkatpura, Hyderabad.





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



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Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## **COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**RAIKOT VAISHALI**

**(170619881067)**

*C. Narayana*  
*9/7/23*

*Under the Guidance of*

**Mrs. M. KAVITHA**

**ASSISTANT PROFESSOR**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-342-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **RAIKOT VAISHALI**, 170619881067, during the academic year 2022-2023 under the guidance of Mrs.M.KAVITHA, DEPARTMENT OF PHARMACOLOGY.

Date: 09/08/2023  
Place: Hyderabad



*J. S. Kant*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## **SOLUBILITY ENHANCEMENT TECHNIQUES FOR ENHANCING THE SOLUBILITY OF DAPSONE**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Done*  
*9/8/23*

*Submitted by*  
**R.JAYASRI**  
**(170619881068)**

*Under the Guidance of*  
**Mrs. Dr. A. Krishna sailaja**  
**Professor**





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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled **“SOLUBILITY ENHANCEMENT TECHNIQUES FOR ENHANCING THE SOLUBILITY OF DAPSONE”** submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **R.JAYASRI, 170619881068**, during the academic year 2022-2023 under the guidance of **Mrs. Dr. A. Krishna sailaja, Professor.**

Date: 8/08/23

Place: Hyderabad



*M. Sumakanth*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



2-4-342-Barkatpura Hyderabad - 500027 Approved by AICTE & PCI Accredited by NBA

Recognized under section 2(f) of the UGC Act 1956 Affiliated to Osmania University

## **ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES**

### ***A PROJECT REPORT SUBMITTED TO OSMANIA UNIVERSITY FOR THE AWARD OF THE DEGREE OF BACHELOR OF PHARMACY***

*Submitted by*  
**SABIHA SULTANA**  
**(170619881070)**

*C. Sowjanya*  
*9/8/23*

*Under the Guidance of*  
**Mrs. D. Sowjanya**  
**Assistant Professor**



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **SABIHA SULTANA , 170619881070**, during the academic year 2022-2023 under the guidance of **Mrs.D Sowjana, Assistant Professor.**

**Date:** 09/08/2023

**Place:** Hyderabad



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Principal

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Barkatpura, Hyderabad.





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## **EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**SADIYAH SULTANA**  
**(170619881071)**

*Under the Guidance of*  
**Mrs. PREETHI CHAVAN**  
**DEPARTMENT OF PHARMACOLOGY**

*C. V. V. V.*  
*9/8/23*



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## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "EVALUATION OF ANTIMITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACTS OF COSTUS IGNEUS LEAVES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **SADIYAH SULTANA, 170619881071**, during the academic year 2022-2023 under the guidance of **Mrs. Preethi Chavan, Department of pharmacology.**

Date: 08/08/2023

Place: Hyderabad



*M. Sumakanth*

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## COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**SINGAM VARALAXMI**

**(170619881075)**

*C. M. V.  
9/6/23*

*Under the Guidance of*

**Mrs. M. KAVITHA**

**ASSISTANT PROFESSOR**





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2-4-243-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

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## ENDORSEMENT BY THE PRINCIPAL

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Date: 8/8/23  
Place: Hyderabad



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Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



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## **SOLUBILITY ENHANCEMENT TECHNIQUES FOR ENHANCING THE SOLUBILITY OF DAPSONE**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**S. NIHARIKA**

**(170619881076)**

*C. Niharika  
9/8/23*

*Under the Guidance of*

**Mrs. Dr. A. Krishna sailaja**

**Professor**



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3-4-343-Barkatpura, Hyderabad -500027 Approved by AICTE & PCI

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Date: 8/08/23  
Place: Hyderabad



  
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Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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***A PROJECT REPORT SUBMITTED TO  
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FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**S.MADHURI**

**(170619881077)**

*9/8/23*

*Under the Guidance of*

**Mrs. Dr. A. Krishna sailaja**

**Professor**



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Date: 8/08/23

Place: Hyderabad



  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## COMPARATIVE STUDY OF ALLOPATHIC AND AYURVEDIC MEDICATIONS IN THE MANAGEMENT OF COPD

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*  
**SYEDA FARHAT SULTANA**  
**(170619881078)**

*Under the Guidance of*  
**Mrs. M. KAVITHA**  
**Assistant professor**

**DEPARTMENT OF PHARMACOLOGY**

*9/8/23*





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Date: 08/08/2023  
Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



## **EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**SYEDA MEHAR NOORAIN**

**(170619881079)**

*Under the Guidance of*

**Mrs. PREETHI CHAVAN**

**DEPARTMENT OF PHARMACOLOGY**

*C. Nayana*  
*9/8/23*





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**Date:** 08/08/2023

**Place:** Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





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Recognized under section 2(f) of the UGC Act 1956. Affiliated to Osmania University.

## ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES

### *A PROJECT REPORT SUBMITTED TO OSMANIA UNIVERSITY FOR THE AWARD OF THE DEGREE OF BACHELOR OF PHARMACY*

*Submitted by*

**SYEDA SADIA HYDER**

**(170619881080)**

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**

*C. S. Sowjanya*  
*9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



INSTITUTION'S  
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Hyderabad

2-4-263-Barkatpura, Hyderabad - 500077 Approved by AICTE & PCI Accredited by NBA

Recognized under section 2(F) of the UGC Act 1956 Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled "ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by SYEDA SADIA HYDER, 170619881080, during the academic year 2022-2023 under the guidance of Mrs.DSowjana, Assistant Professor.

Date: 09/08/2023

Place: Hyderabad



*M. Sumakanth*

PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSITY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*  
**TAHNIYATH FATIMA**  
**(170619881081)**

C1: *new*  
9/8/23

*Under the Guidance of*  
**Mrs. D. Sowjanya**  
**Assistant Professor**





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This is to certify the Project Report entitled "ASSAY METHODS FOR ESTIMATION OF ANTIBIOTIC DRUGS AT DIFFERENT MANUFACTURING STAGES" submitted to Osmania University for the award of the degree of bachelor of Pharmacy has been successfully carried out by **TAHNIYATH FATIMA, 170619881081**, during the academic year 2022-2023 under the guidance of **Mrs.D Sowjana, Assistant Professor**.

Date: 69/08/2023

Place: Hyderabad



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

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Barkatpura, Hyderabad.



# **RBVRR WOMEN'S COLLEGE OF PHARMACY**



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## **EVALUATION OF ANTI MITOTIC ACTIVITY OF PHYTOCHEMICALS PRESENT IN EXTRACT OF COSTUS IGNEUS LEAVES**

***A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

*Submitted by*

**TASHVEEN BEGUM**

**(170619881083)**

*Under the Guidance of*

**Mrs. PREETHI CHAVAN**

**DEPARTMENT OF PHARMACOLOGY**

*9/8/23*