



# **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



2-4-2023-Barkatpura, Hyderabad -500077. 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



*M. Sumakanth*

**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





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

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

## 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** M.pharm, ph.D  
**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**  
**RBVRR Women's College of pharmacy**

*C. J. Archana*  
*9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-242-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 “**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



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

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





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2-4-343-Barkatpore, Hyderabad -500077 Approved by AICTE & PCI

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

## 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**

*C. in Pharm*  
*9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-343-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 “**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*  
**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 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.**

*C. Mounika*  
*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 **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*  
**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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## 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**

**RBVRR Women's College of pharmacy**

*C. inerp  
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.KAVYA,170619881025**, 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*  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy

Barkatpura, Hyderabad.





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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**<sub>M.pharm,ph.D</sub>

**PROFESSOR AND HEAD, DEPARTMENT OF PHARMACOLOGY**

**RBVRR Women's College of pharmacy**

*C. Inanna*  
*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.





## 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. S. R.*  
*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 UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY***

***Submitted by***  
**JAKINABOINA SUSHMA**  
**(170619881028)**

*Chineta*  
*9/8/23*

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





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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 **JAKINABOINA SUSHMA, 170619881028**, during the academic year 2022-2023 under the guidance of **Mrs.P.APARNA, Assistant Professor, Department of pharmaceutics.**

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. Kusuma  
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



*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 - 500077 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*

**J.SANJANA RAJ**

**(170619881030)**

*Under the Guidance of*

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

**Assistant Professor (Sr Gr)**

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



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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


Recognized under section 701 of the 1957 U-1 Act & 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



  
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

## **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*  
**JUWARIA BEGUM**  
**(170619881031)**

*C. Verma  
9/8/28*

*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 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: 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



2-4-243-Barkatpura, Hyderabad -500077 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

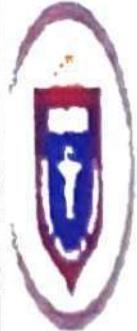
*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Chinnu*  
*9/8/23*

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

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





# RBVRR WOMEN'S COLLEGE OF PHARMACY



3-4-262-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 “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 **K.PALLAVI, 170619881032**, 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.





**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

**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)**

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



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

Registration number: No. 711 of the 192<sup>nd</sup> list of RBVRR, 1986 of 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 **K.RUPASREE, 170619881033**, 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.







# RBVRR WOMEN'S COLLEGE OF PHARMACY



సంస్థానాధికారమును పొందినది - 1950. అనుమతి - 1973 & 75.

అనుమతి పత్రము నంబరు 1111 అనుమతి - 1973 & 75. అనుమతి - 1973 & 75.

## 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**



24-242-Barkasara, 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 UNIVERSTY  
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.**

*C. Inappa  
9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



Uttarakhand University, Varanasi - 500077 Approved by AICTE & PCI

Recognized under section 2(f) of the AICTE Act, 1987 Affiliated to Osmania University

## 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)**

*Under the Guidance of*

**Mrs. P. APARNA**

**Assistant Professor**

**Department of Pharmaceutics.**

*Checked  
9/8/23*



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

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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 **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.



## 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*

**KETHAVATH MOUNIKA**

**(170619881037)**

*C. Venkatesh  
9/8/23*

*Under the Guidance of*

**Mrs. P. APARNA**

**Assistant Professor**

**Department of Pharmaceutics.**



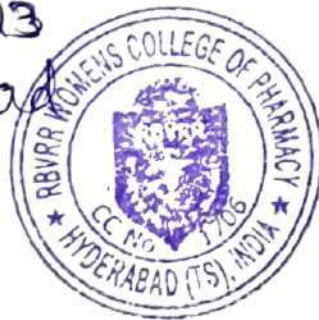


## ENDORSEMENT BY THE PRINCIPAL

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 **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.



## **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*

**K. VAISHNAVI**

**(170619881039)**

*Under the Guidance of*

**Dr. G. UMA RANI**

**Associate professor**

**Department of Pharmaceutics.**

*C. Naveen  
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.



*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

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

## 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*

**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**

*Q. J. Archana*  
*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 **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.



*M. Sumakanth*

**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 UNIVERSTY  
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*  
*Lameya*  
*9/8/23*



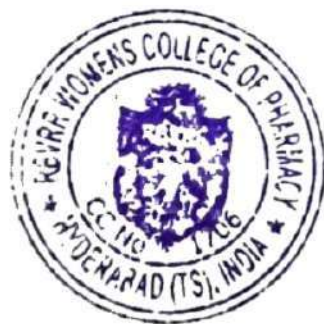


## ENDORSEMENT BY THE PRINCIPAL

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 UNIVERSTY  
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



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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 **M.SAMYUKTHA, 170619881046**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate Professor.

Date: 2/8/2023

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**

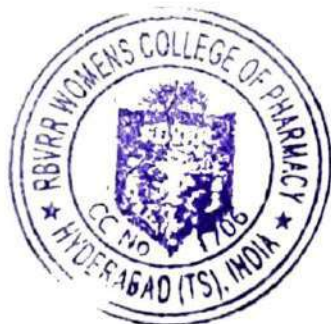


## ENDORSEMENT BY THE PRINCIPAL

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 UNIVERSTY  
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**



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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 UNIVERSTY  
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*  
*Shruthika*  
*9/8/23*



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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



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Recognized under section 2F 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*

**M.Rohini (170619881052)**

*Under the Guidance of*

**Dr.K.V Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**

*C. S. nayak  
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 “”**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**



*Aparajita*  
**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.



*M. Sumakanth*  
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 UNIVERSTY  
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. New to  
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 UNIVERSTY  
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**

*M. Soorya Durga  
9/8/23*



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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 **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.



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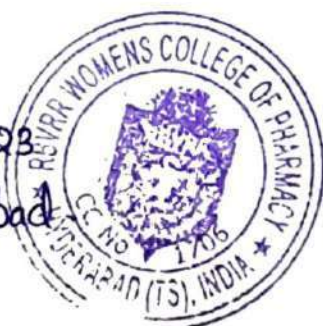
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## ENDORSEMENT BY THE PRINCIPAL

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



*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*

**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.



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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 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**

*C. Sushma  
9/8/23*





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## 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



*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.POOJA,170619881064**, during the academic year 2022-2023 under the guidance of **DR.M.VIJAYA BHARGAVI**, Associate 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-Sarkatpura, 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 **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





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## 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

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

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

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## 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.



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

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## 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. S. Karth*  
**PROF.M.SUMAKANTH**  
PRINCIPAL

RBVRR WOMENS COLLEGE OF PHARMACY, HYDERABAD



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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## 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: 2/8/2023

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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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 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 UNIVERSTY  
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. Narayana*  
*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.



# 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

## 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*



# 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 “**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



*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 - 500077. Approved by MCI & 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 UNIVERSTY  
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**



3-4-243-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 UNIVERSTY  
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)**

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



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

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)**

*Ci name  
9/8/23*

*Under the Guidance of*

**Mrs.PREETHI CHAVAN**

**DEPARTMENT OF PHARMACOLOGY**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-243-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 "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.



## **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.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

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

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

*Submitted by*

**A. ALEKYA**

**(170619881010)**

*C. neryta  
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

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 "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



*M. Sumakanth*

PROF. M. SUMAKANTH

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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



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

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

*Submitted by*

**B.DIVYA**

**(170619881011)**

*C. Name  
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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## 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 **B.DIVYA, 170619881011**, during the academic year 2022-2023 under the guidance of **Ms.ZEENATH BANUM PHARM,(Ph.D) Senior Assistant Professor, Department Of Pharmacology.**

Date: 9/8/23

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

## 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-her  
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

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

## ENDORSEMENT BY THE PRINCIPAL

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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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Recognized under section 20(1) 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 UNIVERSTY  
FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF PHARMACY*

*Submitted by*

**BANDHAL VINOD MOUNIKA**

**(170619881013)**

1  
9/8/23

*Under the Guidance of*

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

**Senior Assistant Professor**

**Department Of Pharmacology**



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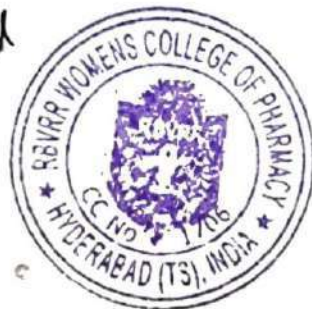
Recognized under section 2(F) of the UGC Act 1956. Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**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 **BANDHAL VINOD MOUNIKA , 170619881013**, 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



*M. Sumakanth*

**PROF. M. SUMAKANTH**

**Principal**

**RBVRR Women's College of pharmacy**

**Barkatpura, Hyderabad.**





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

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

*Submitted by*

**B.TAPASWI**

**(170619881016)**

*C. Kusuma*  
*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 UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**B.TEJASWI**

**(170619881017)**

*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 **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.



# 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

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

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

*Submitted by*

**LAYA VARMA**

**(170619881018)**

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**

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



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-26-2-Barkatpura, Hyderabad -500027 Approved by AICTE & PCI, Accredited by NBA

Recognized under section 30 of the USC 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 **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**



2-4-242-Barkatpura, Hyderabad -500077 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*

**CHIMARLA SRIVANI**

**(170619881020)**

*Chimarla*  
*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**

*C. Nerya  
9/8/23*





# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-263-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**



3-4-2022-Barkatpura Hyderabad -500077 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***

*T. Hephshiba*

*Submitted by*

**TIMMAPURAM HEPHSHIBA**

**(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



2-4-242-Barkatpura Hyderabad -500077 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)**

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



J-4-343-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.



*M. Sumakanth*

**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.





# **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 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**



# 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 **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 UNIVERSTY  
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**

1  
now  
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



  
**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

## **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**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

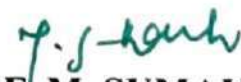
Recognized under section 2(F) of the UGC Act 1956, Affiliated to Osmania University

## ENDORSEMENT BY THE PRINCIPAL

This is to certify the Project Report entitled “**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



  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





# RBVRR WOMEN'S COLLEGE OF PHARMACY



24-243-Barkatpura Hyderabad -500077 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 UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**RAIKOT VAISHALI**

**(170619881067)**

*C. Inayath  
9/7/23*

*Under the Guidance of*

**Mrs. M. KAVITHA**

**ASSISTANT PROFESSOR**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-342-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 **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. Sumanth*

**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

## **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***

*Checked  
9/8/23*

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

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





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

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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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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 **SABIHA SULTANA , 170619881070**, 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**



2-4-243-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 UNIVERSTY  
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. S. Sultana*  
*9/8/23*



# 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 "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*

**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

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 UNIVERSTY  
FOR THE AWARD OF THE DEGREE  
OF BACHELOR OF PHARMACY*

*Submitted by*

**SINGAM VARALAXMI**

**(170619881075)**

*C. M. Varalaxmi  
9/11/23*

*Under the Guidance of*

**Mrs. M. KAVITHA**

**ASSISTANT PROFESSOR**





# RBVRR WOMEN'S COLLEGE OF PHARMACY



2-4-262-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 **SINGAM VARALAXMI, 170619881075**, 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



2-6-243-Barkatpura, Hyderabad - 500027 Approved by AICTE & PCI

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*

**S. NIHARIKA**

**(170619881076)**

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

*Under the Guidance of*

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

**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 “**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 **S. NIHARIKA, 170619881076**, during the academic year 2022-2023 under the guidance of **Mrs. Dr. A. Krishna sailaja, Professor.**

Date: 8/08/23

Place: Hyderabad



  
**PROF. M. SUMAKANTH**

Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.





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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.MADHURI**

**(170619881077)**

*9/8/23*

*Under the Guidance of*

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

**Professor**



# RBVRR WOMEN'S COLLEGE OF PHARMACY



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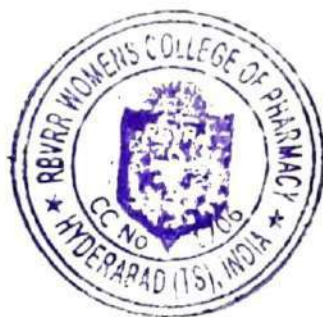
Recognized under section 2(f) of the UGC Act 1956 Affiliated to Osmania University


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Date: 8/08/23

Place: Hyderabad



  
**PROF. M. SUMAKANTH**  
Principal

RBVRR Women's College of pharmacy  
Barkatpura, Hyderabad.



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

*A PROJECT REPORT SUBMITTED TO  
OSMANIA UNIVERSTY  
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**

*C. Inayatullah  
9/8/23*





# 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 **SYEDA FARHAT SULTANA, 170619881078**, during the academic year 2022-2023 under the guidance of **Mrs.M.KAVITHA, DEPARTMENT OF PHARMACOLOGY.**

Date: 08/08/2023  
Place: Hyderabad



*M. S. 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

## **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. inayath  
9/8/23*





# RBVRR WOMEN'S COLLEGE OF PHARMACY



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

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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**



INSTITUTION'S  
INNOVATION  
COUNCIL

2-4-343-Barkatpura, Hyderabad - 500077. 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*

**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



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



INSTITUTION'S  
IMPROVEMENT  
COUNCIL

24-262-Barkatpura Hyderabad - 500077 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*

**TAHNIYATH FATIMA**

**(170619881081)**

*Under the Guidance of*

**Mrs. D. Sowjanya**

**Assistant Professor**

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





# RBVRR WOMEN'S COLLEGE OF PHARMACY



INSTITUTION'S  
INNOVATION  
COUNCIL

3-4-262-Barkatpura, Hyderabad - 500027 approved by AICTE & PCI Accredited by NBA

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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 **TAHNIYATH FATIMA, 170619881081**, during the academic year 2022-2023 under the guidance of **Mrs.D Sowjana, 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**



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

Recognized under section 2(F) of the USC 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 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**

*1*  
*9/8/23*





## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065

(Approved by AICTE & PCI, Accredited by NBA (B Pharmacy Course) Affiliated Osmania University)

EAMCET Code: RBVW | PGECET Code: RBVW1

### CERTIFICATE

We the students of Doctor of Pharmacy (Pharm-D) V Year, **Boddu Akhila (170618882001)**, **Atika Fatima (170618882004)**, **Merugu Priyanka (170618882020)**, **Malyala Supriya (170618882024)**, R.B.V.R.R Women's College of Pharmacy, Osmania University, Hyderabad, hereby declare that the work embodied in this Project entitled "**EVALUATION OF SAFETY AND EFFECTIVENESS OF ANTICOAGULANTS IN DEEP VEIN THROMBOSIS PROPHYLAXIS IN HOSPITALIZED PATIENTS**" is submitted to Osmania University for partial fulfillment of the award of degree of Doctor of Pharmacy is the original work carried out under the academic guidance of **Dr. J Archana, M. Pharm., Ph.D., Professor, Department of pharmacy practice RBVRR Women's College of Pharmacy and, Dr. A. SHILPA, MBBS, DNB - General Medicine, consultant physician, Continental Hospitals, Nanakramguda, Gachibowli, Hyderabad.** The contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidate from any other university elsewhere.



*M. Sumakanth*

Signature of Principal

**Prof. M.Sumakanth, M.Pharm. Ph.D.**

**Principal, RBVRR Women's College of Pharmacy**

**Prof. M. SUMAKANTH**

M.Pharm., Ph.D.,

PRINCIPAL

RBVRR Women's College of Pharmacy  
Barkathpura, Hyderabad-500 027 (TS)

Date: 04-09-2023





## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065

(Approved by AICTE & PCI, Accredited by NBA (B Pharmacy Course) Affiliated Osmania University)

IAMCLT Code: RBVW | PGECET Code: RBVW1

### CERTIFICATE

We the students of Doctor of Pharmacy (Pharm-D) V Year, **Varagani Tejaswini**, (170618882027), **Madesi Harshini Sri** (170618882011), **Chodi BrundaSree** (170618882005), R.B.V.R.R Women's College of Pharmacy, Osmania University, Hyderabad, hereby declare that the work embodied in this Project entitled "**DRUG UTILIZATION EVALUATION OF CEFTAZIDIME-AVIBACTAM IN A TERTIARY CARE HOSPITAL**" is submitted to Osmania University for partial fulfilment of the award of degree of Doctor of Pharmacy is the original work carried out under the academic guidance of **Dr.J Archana**, M. Pharm., Ph.D., **Professor**, RBVRR Women's College of Pharmacy and **Dr Vijay V. Yeldandi**, MBBS, M.D, FACP, FCCP, FIDSA, **Chief of Infectious Diseases & Director of the Inflammatory Disorders Clinic, Infectious Diseases**, Continental Hospitals, Nanakramguda, Gachibowli, Hyderabad. The contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidate from any other university elsewhere.



*y. j. kantu*  
Signature of Principal

**Prof. M. SUMAKANTH** M.Pharm. Ph.D.

**Principal, RBVRR Women's College of Pharmacy**

**Prof. M. SUMAKANTH**

M.Pharm., Ph.D.,

PRINCIPAL

RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad-500 027 (TS)

Date: 04/09/2023.



## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065

(Approved by AICTE & PCI, Accredited by NBA (B Pharmacy Course) Affiliated Osmania University)

EAMCET Code: RBVW | PGECET Code: RBVW1

### CERTIFICATE

This is to certify that the Project entitled "**EVALUATION OF THE EFFECTIVENESS OF BETA BLOCKERS ON SINUS HEART RHYTHM**" is submitted to Osmania University for the partial fulfilment of requirements for the award of degree of Doctor of Pharmacy (Pharm-D) embodies the results and studies of a bonafide project work done by **Asiya Naaz, (170618882003), Fatima Siddiqua (170618882007), Nadiya Fatima (170618882019)** under my guidance and the contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidates from any other university elsewhere.



*M. Sumakanth*

Signature of the principal

**Prof. M. SUMAKANTH**, M.Pharm. Ph.D.

Principal, RBVRR Women's College of Pharmacy

**Prof. M. SUMAKANTH**

M.Pharm., Ph.D.,

PRINCIPAL

RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad-500 027 (TS)

Date: 04-09-2023



## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065  
(Approved by AICTE & PCI, Accredited by NBA (B Pharmacy Course) Affiliated Osmania University)  
EAMCET Code: RBVW | PGECET Code: RBVW1

### CERTIFICATE

We the students of Doctor of Pharmacy (Pharm-D) V Year, **Hannan Rasheed(170618882009)**, **Zeba Fatima (170618882010)**, **IqraMushtaq(170618882013)**, **Ismath Fatima (170618882014)**, R.B.V.R.R Women's College of Pharmacy, Osmania University, Hyderabad, hereby declare that the work embodied in this Project entitled **A CROSS-SECTIONAL OBSERVATIONAL STUDY ON PREVALENCE AND ERADICATION OF HELICOBACTER PYLORI INFECTION IN A TERTIARY CARE HOSPITAL** is submitted to Osmania University for partial fulfilment of the award of degree of Doctor of Pharmacy is the original work carried out under the academic guidance of **Dr. Hajera Fathima , Associate professor, Department of Pharmacy Practice**, RBVRR Women's College of Pharmacy and under the clinical guidance of **Dr. Raghuram Kondala MBBS, MD (PGI), DM, MBBS** and **Dr. Pawan Kumar, MD , KMC DM Gastroenterology**, Continental Hospitals, Nanakramguda, Gachibowli, Hyderabad. The contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidate from any other university elsewhere.

  
Signature of Principal

**Prof. M. SUMAKANTH** M.Pharm. Ph.D.

**Principal, RBVRR Women's College of Pharmacy**

Date: 4/9/23

Place: Hyderabad





## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065

(Approved by AICTE & PCI Accredited by NBA (Pharmacy Course) Affiliated Osmania University)

LAMCET Code: RBVW | PG-CEET Code: RBVW1

### CERTIFICATE

This is to certify that the Project entitled "COMPARATIVE STUDY OF ORAL CONVENTIONAL IRON THERAPY AND ORAL LIPOSOMAL THERAPY IN CHRONIC KIDNEY DISEASE ANEMIA PATIENTS AT A TERTIARY CARE HOSPITAL " is submitted to **Osmania University**, Hyderabad, for the partial fulfillment of requirements for the award of degree of **Doctor of Pharmacy (Pharm-D)** embodies the results and studies of a bonafide project work done by **Bolleboina Chaitanya (170618882006)**, **MG Yogeshwari (170618882015)**, **Sudhini Manasa Reddy (170618882018)**, **Gade Sai Nikhita (170618882021)** under the Academic guidance of **Dr.Mehruq Fatima, Pharm D**, Assistant Professor, RBVRR Women's College Of Pharmacy and Clinical Guidance of **Dr.Dhanunjaya KL, MBBS, MD, DM, Senior consultant Nephrologist**, Continental Hospitals, Nanakramguda, Gachibowli, Hyderabad. The contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidate from any other university elsewhere.

*M.S. Kanth*

Signature of Principal

**Prof. M.SUMAKANTH** M.Pharm. Ph.D.

**RBVRR Women's College Of Pharmacy**

**Hyderabad**

**Prof. M. SUMAKANTH**

M.Pharm., Ph.D.,

PRINCIPAL

RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad-500 027 (TS)



Date : 04-09-2023

Place : Hyderabad



## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, Barkathpura, Hyderabad - 500027, Ph: 040-27563065

(Approved by AICTE & PCI, Accredited by NBA (B Pharmacy Course) Affiliated Osmania University)  
EAMCET Code: RBVW | PGCET Code: RBVW1

### CERTIFICATE

This is to certify that the entitled " **ADHERENCE TO GUIDELINE DIRECTED MEDICAL THERAPY IN HEART FAILURE PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION** " is submitted to **Osmania University, Hyderabad**, for the partial fulfillment of requirements for the award of degree of **Doctor of Pharmacy (Pharm-D)** embodies the results and studies of a bonafide project work done by **Hiba Shafi (170618882012), Sania Khan (170618882022), Tahura Firdous (170618882026)** under the Academic Guidance of **Dr. J ARCHANA**, Associate Professor, RBVRR Women's College Of Pharmacy and **Dr. Krishna Mohan Lalukota**, Senior Consultant Interventional Cardiologist, Continental Hospitals. The contents of the Project Report do not form the basis for the award of any other degree or diploma to the candidate from any other university elsewhere.



Signature of Principal

*M. J. Kantu*

**Prof. M.SUMAKANTH** M.Pharm. Ph.D.

**Principal, RBVRR Women's College Of Pharmacy**

**Hyderabad**

**Prof. M. SUMAKANTH**

M.Pharm., Ph.D.,

PRINCIPAL

RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad-500 027 (TS)

Date: *04/09/2023*

Place: *Hyderabad*



**COMPARATIVE EVALUATION OF POLYHERBAL  
FORMULATIONS FOR ANTI-ANXIETY AND ANTI-STRESS  
ACTIVITY**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**submitted by**

**SREEJANI CHAVIDI**

**(Reg.No.:170621887001)**

**Under the Guidance of**

**DR.J. ARCHANA M.Pharm Ph.D**

**Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**DECEMBER 2023**



# RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, BARKHATPURA, HYDERABAD – 500027, Ph: 040-27563065

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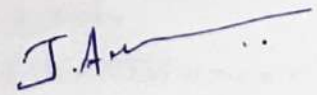
Affiliated to Osmania University

Email id: rbvrrwcoph@rediffmail.com



## CERTIFICATE

This is to certify that the dissertation entitled "**Comparative evaluation of Polyherbal Formulations for Anti-anxiety and Anti-stress activity**" is submitted to **Osmania University** for the partial fulfillment of requirements for the award of degree of **Master of Pharmacy (Pharmacology)** embodies the results and studies of a bonafide research work of **Miss. Sreejani Chavidi** under my supervision at **R.B.V.R.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.



**Dr. J. ARCHANA, M.Pharm, Ph.D.**

**Professor & Head,**

**Department of Pharmacology**

**HEAD**

**Department of Pharmacology**

**RBVRR Women's College of Pharmacy**

**Barkatpura, Hyderabad – 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

**EVALUATION OF NSAID METAL COMPLEXES FOR  
ANALGESIC AND ANTI-INFLAMMATORY ACTIVITY**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**Submitted by**

**MARYAM ALI REZA ZEBHI**

**(Reg.No.:170621887002)**

**Under the Guidance of**

**Dr. J. ARCHANA** M. Pharm, Ph.D.

**Professor & Head, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**NOVEMBER 2023**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**3-4-343, BARKATPURA, HYDERABAD- 500027, Ph: 040-27563065**

**Approved by AICTE & PCI, Accredited by NBA,  
Recognized under section 2(f) of the UGC Act, 1956,**

**Affiliated to Osmania University**

**Email id: rbvrrwcoph@rediffmail.com**



**CERTIFICATE**

This is to certify that the dissertation entitled "**Evaluation of NSAID Metal Complexes for Analgesic and Anti-inflammatory Activity**" is submitted to **Osmania University** for the partial fulfilment of requirements for the award of the degree of **Master of Pharmacy (Pharmacology)** embodies the results and studies of a bonafide research work of **Miss. Maryam Ali Reza Zebhi** under my supervision at **R.B.V.R.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.

**Dr. J. ARCHANA, M. Pharm, Ph.D.**

**Professor & Head,**

**Department of Pharmacology**

**HEAD**

**Department of Pharmacology  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)**

**Date:** 22/12/2023

**Place:** Hyderabad



**EVALUATION OF HEPATOPROTECTIVE ACTIVITY OF  
*TRIGONELLA FOENUM* - *GRAECUM* LEAVES EXTRACT  
AGAINST CHEMICALLY INDUCED HEPATOTOXICITY**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**Submitted by**

**N. PREETHI SREE**

**(Reg.No:170621887003)**

**Under the Guidance of**

**DR.J. ARCHANA M. Pharm Ph.D.**

**Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**DECEMBER 2023**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**3-4-343, BARKATPURA, HYDERABAD – 500027, Ph: 040-27563065**

**Approved by AICTE & PCI, Accredited by NBA,  
Recognized under section 2(f) of the UGC Act 1956,**

**Affiliated to Osmania University**

**Email id: rbvrrwcoph@rediffmail.com**



**CERTIFICATE**

This is to certify that the dissertation entitled " **Evaluation of Hepatoprotective Activity Of *Trigonella Foenum - Graecum* Leaves Extract Against Chemically Induced Hepatotoxicity**" is submitted to **Osmania University** for the partial fulfillment of requirements for the award of degree of **Master of Pharmacy (Pharmacology)**, embodies the results and studies of a Bonafide research work of **Miss. N. Preethi Sree** under my supervision at **R.B.V.R.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.



**Dr. J. ARCHANA, M. Pharm, Ph.D.**

**Professor & Head,**

**Department of Pharmacology  
HEAD**

**Department of Pharmacology  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**

**Date: 22/12/23  
Place: Hyderabad**



**ANTI-DEPRESSANT AND ANTI-AMNESIC ACTIVITY OF  
ETHANOLIC EXTRACT OF *GERBERA JAMESONII* FLOWERS**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**Submitted by**

**SHAGUFTHA NAAZ**

**(Reg.No.:170621887004)**

**Under the Guidance of**

**Ms. Zeenath Banu, M. Pharm, [Ph.D.]**

**Sr. Assistant Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**NOVEMBER 2023**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**3-4-343, BARKATPURA, HYDERABAD- 500027, Ph: 040-27563065**

**Approved by AICTE & PCI, Accredited by NBA,**

**Recognized under section 2(f) of the UGC Act, 1956,**

**Affiliated to Osmania University**

**Email id: rbvrrwcoph@rediffmail.com**



**CERTIFICATE**

This is to certify that the dissertation entitled " **Anti-depressant and Anti-amnesic activity of ethanolic extract of *Gerbera jamesonii* flowers** " is submitted to **Osmania University** for the partial fulfilment of requirements for the award of the degree of **Master of Pharmacy (Pharmacology)** embodies the results and studies of a bonafide research work of **Miss. SHAGUFTHA NAAZ** under my supervision **RBVRR Women's 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.

**Ms. ZEENATH BANU, M. Pharm, [Ph.D.]**

**Sr. Assistant Professor,**

**Department of Pharmacology**  
**Assistant Professor**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**

**Date:** 22/12/2023

**Place:** Hyderabad

**PHARMACOKINETIC AND PHARMACODYNAMIC  
INTERACTIONS OF METFORMIN WITH RUTIN AND  
L-THEANINE**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**Submitted by**

**SINGH SHIVANI**

**(Reg.No:170621887006)**

**Under the Guidance of**

**Dr. J. ARCHANA M. Pharm Ph. D**

**Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**BARKATPURA, HYDERABAD-500027**

**DECEMBER 2023**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**3-4-343, BARKATPURA, HYDERABAD – 500027, Ph: 040-27563065**

**Approved by AICTE & PCI, Accredited by NBA,**

**Recognized under section 2(f) of the UGC Act 1956,**

**Affiliated to Osmania University**

**Email id: rbvrrwcoph@rediffmail.com**



**CERTIFICATE**

This is to certify that the dissertation entitled **“PHARMACOKINETIC AND PHARMACODYNAMIC INTERACTIONS OF METFORMIN WITH RUTIN AND L- THEANINE”** is submitted to **Osmania University** for the partial fulfillment of requirements for the award of degree of **Master of Pharmacy (Pharmacology)**, embodies the results and studies of a bonofide research work of **Miss. Singh Shivani** under my supervision at **R.B.V.R.R WOMEN'S 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.



**Dr. J. ARCHANA** M. Pharm Ph. D

**Professor & Head,**

**Department of Pharmacology**

**HEAD**

**Department of Pharmacology**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**

**Date:** 22/12/2023

**Place:** Hyderabad.



**DEVELOPMENT AND EVALUATION OF POLYHERBAL GEL FOR  
ANTIBACTERIAL AND WOUND HEALING ACTIVITY**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFIMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**Submitted by**

**TAHA YASMEEN**

**(Reg.No:170621887007)**

**Under the Guidance of**

**DR.J. ARCHANA M.Pharm Ph.D**

**Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**DECEMBER 2023**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**3-4-343, BARKATPURA, HYDERABAD – 500027, Ph: 040-27563065**

**Approved by AICTE & PCI, Accredited by NBA,  
Recognized under section 2(f) of the UGC Act 1956,**

**Affiliated to Osmania University**

**Email id: rbvrrwcoph@rediffmail.com**



**CERTIFICATE**

This is to certify that the dissertation entitled "**DEVELOPMENT AND EVALUATION OF POLYHERBAL GEL FOR ANTIBACTERIAL AND WOUND HEALING ACTIVITY**" is submitted to **Osmania University**, for the partial fulfillment of requirements for the award of degree of **Master of Pharmacy (Pharmacology)** embodies the results and studies of a bonafide research work of **Miss. Taha Yasmeen** under the supervision of **Dr.J.Archana, Associate professor** at **R.B.V.R.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.



**Dr. J. ARCHANA, M.Pharm, Ph.D.**

**Professor & Head,**

**Department of Pharmacology  
HEAD**

**Department of Pharmacology  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**

**Date:** 22/12/2023

**Place:** Hyderabad



**PHYTOCHEMICAL AND PHARMACOLOGICAL  
EVALUATION OF *CAJANUS CAJAN* LEAF EXTRACT FOR  
*IN-VITRO* AND *IN-VIVO* ANTIDAIBETIC ACTIVITY**



**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN**

**PHARMACOLOGY**

**BY**

**VELPULA ANUSHA**

**(Reg.No.:170621887008)**

**Under the Guidance of**

**DR.J. ARCHANA M. Pharm Ph.D.**

**Professor, Department of Pharmacology**



**DEPARTMENT OF PHARMACOLOGY  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD-500027**

**DECEMBER 2023**



## RBVRR WOMEN'S COLLEGE OF PHARMACY

3-4-343, BARKATPURA, HYDERABAD – 500027, Ph: 040-27563065

Approved by AICTE & PCI, Accredited by NBA,  
Recognized under section 2(f) of the UGC Act 1956,

Affiliated to Osmania University

Email id: rbvrrwcoph@rediffmail.com



### CERTIFICATE

This is to certify that the dissertation entitled "**PHYTOCHEMICAL AND PHARMACOLOGICAL EVALUATION OF CAJANUS CAJAN LEAF EXTRACT FOR IN-VITRO AND IN-VIVO ANTIDIABETIC ACTIVITY**" is submitted to **Osmania University** for the partial fulfillment of requirements for the award of degree of **Master of Pharmacy (Pharmacology)**, embodies the results and studies of a Bonafide research work of **Miss. Velpula Anusha** under my supervision at **R.B.V.R.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.

*J. Archana*  
22/12/23

**Dr. J. ARCHANA, M. Pharm, Ph.D.**

**Professor & Head,**

**Department of Pharmacology**  
**HEAD**

**Department of Pharmacology**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

**METHOD DEVELOPMENT AND VALIDATION OF STABILIZERS BY  
USING UV-VISIBLE SPECTROPHOTOMETER AND QUANTIFICATION OF  
THEM IN FOOD PRODUCTS**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD  
OF THE DEGREE OF**



**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL ANALYSIS**

**B. ANILA- [ROLL NO: 1706-21-885-001]**



**RBVRR WOMENS COLLEGE OF PHARMACY**

**AFFILIATED TO OSMANIA UNIVERSITY, BARKATHPURA**

**HYDERABAD-500007-TELAGANA-INDIA**

**December – 2023**





College Code: 1706

# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

Recognized under Section 2(f) of the UGC Act 1956

EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled "Method Development and Validation Of Stabilizers by Using UV-Visible Spectrophotometer And Quantification Of Them In Food Products" is submitted to **Osmania University** for the partial fulfilment of requirements for the award of the degree of **Master Of Pharmacy in Pharmaceutical Analysis** under **Faculty of Pharmacy** embodies the results and studies of a bonafide research work of **B.Anila** under my supervision at **RBVRR Women's 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.

Signature of the Supervisor & HOD

**Dr. K. Bhavya Sri**, M. Pharm, PGDPL, RA & QA, PhD.

Associate Professor & Head,

Department of Pharmaceutical Analysis.

**HEAD**

**Dept. of Pharmaceutical Analysis**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad - 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

Evaluated  
by  
(Dr. Y. Padmavathi)



**UV-VISIBLE AND RP-HPLC METHOD DEVELOPMENT AND  
VALIDATION OF MOLNUPIRAVIR A COVID DRUG IN BULK AND  
PHARMACEUTICAL DOSAGE FORM**

**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY**



**IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD  
OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL ANALYSIS**

**BY**

**B.HEMA- [ROLL NO: 1706-21-885-002]**

**Under the guidance of**

**Dr. K. Bhavya Sri, M. Pharm, PGDPL, RA & QA, Ph.D.**

**Associate Professor & Head, Department of Pharmaceutical Analysis**



**RBVRR WOMEN'S COLLEGE OF PHARMACY  
AFFILIATED TO OSMANIA UNIVERSITY, BARKATPURA  
HYDERABAD-500027-TELANGANA-INDIA**

**DECEMBER-2023**



College Code: 1706

# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

Recognized under Section 2(f) of the UGC Act 1956

EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled "UV, VISIBLE AND RP-HPLC METHOD DEVELOPMENT AND VALIDATION OF MOLNUPIRAVIR A COVID DRUG IN BULK AND PHARMACEUTICAL DOSAGE FORM", is submitted to Osmania University for the partial fulfilment of requirements for the award of the degree of Master of Pharmacy in Pharmaceutical Analysis under Faculty of Pharmacy embodies the results and studies of a bonafide research work of B.Hema, under my supervision at RBVRR Women's 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.

Signature of the Supervisor & HOD

Dr. K. Bhavya Sri, M. Pharm, PGDPL, RA & QA, PhD.

Associate Professor & Head,

Department of Pharmaceutical Analysis.

**HEAD**

**Dept. of Pharmaceutical Analysis**  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)

Date: 22/12/2023

Place: Hyderabad

Evaluated  
by  
  
29/12/2023  
(Dr. P. Padma Vathi)



**ANALYTICAL METHOD DEVELOPMENT AND  
VALIDATION OF SUGAMMADEX IN BULK AND  
PHARMACEUTICAL DOSAGE FORM USING UV-VISIBLE  
SPECTROPHOTOMETRY AND RP-HPLC**

**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF  
MASTER OF PHARMACY**

**IN  
PHARMACEUTICAL ANALYSIS**

**BY**

**GHANUKOTA SRIJA- [ROLL NO: 1706-21-885-003]**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS,  
RBVRR WOMEN'S COLLEGE OF PHARMACY  
AFFILIATED TO OSMANIA UNIVERSITY, BARKATPURA  
HYDERABAD-500027- TELANGANA-INDIA**

**DECEMBER-2023**





College Code: 1706

# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

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EAMCET Code: RBVW | PGECET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF SUGAMMADEX IN BULK AND PHARMACEUTICAL DOSAGE FORM USING UV-VISIBLE SPECTROPHOTOMETRY AND RP-HPLC" is submitted to Osmania University for the partial fulfillment of requirements for the award of the degree of Master Of Pharmacy in Pharmaceutical Analysis under Faculty of Pharmacy embodies the results and studies of a bonafide research work of Ghanukota Srija under my supervision at RBVRR Women's 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.

Signature of the Supervisor & HOD

Dr. K. Bhavya Sri, M. Pharm, PGDPL, RA & QA, PhD.

Associate Professor & Head,

Department of Pharmaceutical Analysis



**HEAD**

Dept. of Pharmaceutical Analysis  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)

Date: 22/12/2023

Place: Hyderabad

Evaluated  
by  
(Dr. Y. PadmaVathi)  
29/12/2023

**DEVELOPMENT AND VALIDATION OF UV AND  
RP-HPLC METHOD FOR DETERMINATION OF  
DAPAGLIFLOZIN AND VILDAGLIPTIN IN BULK AND  
COMBINED TABLET DOSAGE FORM INCLUDING  
STRESS STUDIES**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR  
THE  
AWARD OF THE DEGREE OF**



**MASTER OF PHARMACY  
IN  
PHARMACEUTICAL ANALYSIS  
BY**

**M.NANDHINI- [ROLL NO: 1706-21-885-005]**



**RBVRR WOMEN'S COLLEGE OF PHARMACY  
AFFILIATED TO OSMANIA UNIVERSITY, BARKATPURA  
HYDERABAD-500007-TELANGANA-INDIA**

**December-2023**





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# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

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EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled “**Development and validation UV and RP-HPLC method for quantitative estimation of Dapagliflozin and Vildagliptin in Bulk and combined tablet dosage form with application to dissolution and stress studies**” is submitted to **Osmania University** for the partial fulfilment of requirements for the award of the degree of **Master Of Pharmacy in Pharmaceutical Analysis** under **Faculty of Pharmacy** embodies the results and studies of a bonafide research work of **M. Nandhini** under my supervision at **RBVRR Women's 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.

Signature of the supervisor & HOD

**Dr. K. Bhavya Sri, M. Pharm, PGDPL, RA & QA, Ph.D.**

**Associate Professor & Head,  
Department of Pharmaceutical Analysis  
HEAD**

**Dept. of Pharmaceutical Analysis  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

Evaluated by  
Dr. Y. Padma Vateji  
29/12/2023



**STABILITY INDICATING METHOD DEVELOPMENT  
AND VALIDATION FOR THE ESTIMATION OF  
BARICITINIB IN BULK AND IN FORMULATION USING  
UV-VISIBLE SPECTROSCOPY, AND RP-HPLC.**

**THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY**



**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR  
THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL ANALYSIS**

**BY**

**MD. SABA FATIMA**

**ROLL NO.: 1706-21-885-006**



**DEPARTMENT OF PHARMACEUTICAL ANALYSIS**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**AFFILIATED TO OSMANIA UNIVERSITY**

**BARKATPURA, HYDERABAD-500027, TELANGANA, INDIA.**

**DECEMBER-2023**



College Code: 1706

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# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

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EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled "STABILITY INDICATING METHOD DEVELOPMENT AND VALIDATION FOR THE ESTIMATION OF BARICITINIB IN BULK AND IN FORMULATION USING UV-VISIBLE SPECTROSCOPY, AND RP-HPLC", is submitted to Osmania University for the partial fulfilment of requirements for the award of the degree of Master of Pharmacy in Pharmaceutical Analysis under Faculty of Pharmacy embodies the results and studies of a bonafide research work of **Md. Saba Fatima**, under my supervision at **RBVRR Women's 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.

Signature of the Supervisor & HOD

**Dr. K. Bhavya Sri**, M. Pharm, Ph.D., PGDPL, RA & QA.

**Associate Professor & Head,**

**Department of Pharmaceutical Analysis.**

**Dept. of Pharmaceutical Analysis**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad - 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

Evaluated  
by

29/12/2023.

C.D.S. Y. Padmarathi



**METHOD DEVELOPMENT AND VALIDATION FOR  
THE QUANTIFICATION OF ARTIFICIAL  
SWEETENERS IN THE FOOD PRODUCTS BY USING  
UV-VISIBLE SPECTROPHOTOMETER**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR  
THE AWARD OF THE DEGREE OF**



**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL ANALYSIS**

**Submitted by**

**Samudrala Saileela- [1706-21-88-5007]**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**AFFILIATED TO OSMANIA UNIVERSITY, BARKATPURA**

**HYDERABAD-500007-TELANGANA-INDIA**

**December-2023**





College Code: 1706

## RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

Recognized under Section 2(f) of the UGC Act 1956

EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

### CERTIFICATE

This is to certify that the dissertation entitled “**Method Development and Validation for the Quantification of Artificial Sweeteners in the Food products by using UV-Visible Spectrophotometer**” is submitted to **Osmania University** for the partial fulfilment of requirements for the award of the degree of **Master Of Pharmacy in Pharmaceutical Analysis** under **Faculty of Pharmacy** embodies the results and studies of a bonafide research work of **Samudrala Saileela** under my supervision at **RBVRR Women's 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.

Signature of the supervisor & HOD

**Dr. K. Bhavya Sri**, M. Pharm, PGDPL, RA & QA, PhD.

**Associate Professor & Head,**

**Department of Pharmaceutical Analysis**

**HEAD**

**Dept. of Pharmaceutical Analysis**  
**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**

Date: 22/12/2023

Place: Hyderabad

Evaluated  
by  
Dr. Y. Paalmeelan,  
28/12/23

**NEW METHOD DEVELOPMENT AND VALIDATION  
FOR OXACEPROL DRUG IN BULK AND DOSAGE  
FORM USING UV-VISIBLE SPECTROSCOPY & RP-  
HPLC INCLUDING STRESS STUDIES**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
AWARD OF THE DEGREE OF**



**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL ANALYSIS**

**BY**

**SHAHEEN BANU- [ROLL NO: 1706-21-885-008]**



**RBVRR WOMEN'S COLLEGE OF PHARMACY  
AFFILIATED TO OSMANIA UNIVERSITY, BARKATPURA  
HYDERABAD-500007-TELANGANA-INDIA**

**DECEMBER – 2023**





College Code: 1706

# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by the AICTE, PCI & Affiliated to Osmania University)

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EAMCET Code: RBVW | PGCET Code: RBVW1

www.rbvrrwcp.org | Email: rbvrrwcp@rediffmail.com & rbvrrwcp2006@gmail.com

## CERTIFICATE

This is to certify that the dissertation entitled "New method development and validation for Oxaceprol drug in bulk and dosage form using UV-visible spectroscopy & RP-HPLC including stress studies", is submitted to Osmania University for the partial fulfillment of requirements for the award of the degree of Master Of Pharmacy in Pharmaceutical Analysis under Faculty of Pharmacy embodies the results and studies of a bonafide research work of Shaheen Banu under my supervision at RBVRR Women's 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.

Signature of the Supervisor & HOD

Dr. K. Bhavya Sri, M. Pharm, PGDPL, RA & QA, PhD.

Associate Professor & Head,

Department of Pharmaceutical Analysis

HEAD

Dept. of Pharmaceutical Analysis  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)

Date: 22/12/2023

Place: Hyderabad

Evaluated

by

29/12/23  
(Dr. Y. Padmanavathi)



**STRUCTURE BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF BENZOTHAZOLE AND 1,3,4-OXADIAZOLE HYBRIDS AS ORAL ANTIDIABETIC AGENTS**



Dissertation Submitted to Faculty of Pharmacy

**OSMANIA UNIVERSITY**

**HYDERABAD**

Submitted by

Mameena Sahoo B. Pharm

**Regd.No:170621884001**

In Partial fulfillment of the requirements for the degree of

**MASTER OF PHARMACY**

IN

**PHARMACEUTICAL CHEMISTRY**

Under the guidance of

**Dr. M. Vijaya Bhargavi M.Pharm, Ph.D**



**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**HYDERABAD**

**DECEMBER-2023**

## CERTIFICATE

This is to certify that the dissertation entitled "Structure based Virtual Screening, Molecular Docking, Synthesis and Biological Evaluation of Benzothiazole and 1,3,4 -Oxadiazole Hybrids as oral antidiabetic agents" is a bonafied research done by Mameena Sahoo (Red.no:170621884001) in RBVRR Women's College of Pharmacy , Barkatpura, Hyderabad, Telangana under my guidance and supervision in partial fulfillment of the requirement for the award of the degree of Master of Pharmacy in Pharmaceutical Chemistry and this work has not been submitted to any university on part or full for the award of any degree/diploma.

Date: 22/12/2023

Place: Hyderabad

RBVRR Women's College of Pharmacy



Signature of the Guide

Dr. M. Vijaya Bhargavi M.Pharm, Ph.D

**HEAD**

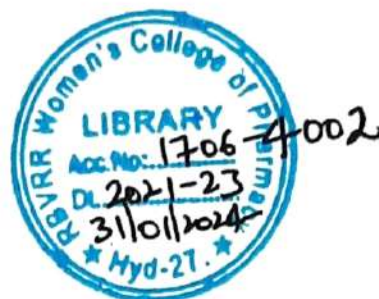
**Dept. of Pharmaceutical Chemistry  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)**

**QSAR BASED VIRTUAL SCREENING, MOLECULAR  
DOCKING, SYNTHESIS AND BIOLOGICAL  
EVALUATION OF INDOLE AND QUINAZOLINONE  
HYBRID DERIVATIVES AS PI3K INHIBITORS FOR  
THE TREATMENT OF CANCER**

**Dissertation Submitted to the Faculty of Pharmacy**

**OSMANIA UNIVERSITY**

**HYDERABAD**



**BY**

**SHAFIA SULTANA B.Pharm**

**Reg. No:170621884002**

**In partial fulfilment of the requirements for the degree of**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL CHEMISTRY**

**Under the Guidance of**

**Dr. M. VIJAYA BHARGAVI, M.Pharm, Ph.D.**

**HOD, Associate Professor**

**Department of Pharmaceutical Chemistry**



**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**Barkatpura, Hyderabad -500 027**

**(Approved by AICTE and PCI, Affiliated to Osmania University)**

**December 2023**





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**Barkatpura, Hyderabad -500 027**  
(Approved by AICTE and PCI, Affiliated to Osmania University)  
November 2023

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**CERTIFICATE BY THE SUPERVISOR**

This is to certify that the dissertation entitled “ ***QSAR BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF INDOLE AND QUINAZOLINONE HYBRID DERIVATIVES AS PI3K INHIBITORS FOR THE TREATMENT OF CANCER***” is submitted to Osmania University for the partial fulfillment of requirement for the award of degree of **Master of Pharmacy in Pharmaceutical Chemistry** under the faculty of embodies the results and studies of bonafide research work of **Shafia Sultana (Regd no: 170621884002)** under the supervision of **Dr. M. Vijaya Bhargavi, Associate Professor at RBVRR Women's College of Pharmacy, Barkatpura, Hyderabad, Telangana** and the content 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

Date: 22-12-2023

Place: HYDERABAD

Signature of Guide

Dr. M. Vijaya Bhargavi M Pharm, PhD

RBVRR Women's College of Pharmacy  
**HEAD**

Dept. of Pharmaceutical Chemistry  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)

**STRUCTURE-BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF 1,3,4-OXADIAZOLE AND 1,2,4-TRIAZOLE DERIVATIVES AS ANTIBACTERIAL AGENTS**

Dissertation Submitted to the Faculty of pharmacy

OSMANIA UNIVERSITY, HYDERABAD



Submitted By

**SHAHISTA BEGUM** B.PHARM

**Regd.No:1706-21-884-003**

In partial fulfillment of the requirements for the degree of

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICAL CHEMISTRY**

Under the guidance of

**Dr. M.Vijaya Bhargavi** M.Pharm, Ph.D

HOD, Associate Professor

Department of Pharmaceutical Chemistry



DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

RBVRR WOMEN'S COLLEGE OF PHARMACY

Barkatpura, Hyderabad-500 027

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December-2023

## CERTIFICATE

This is to certify that the dissertation entitled "STRUCTURE-BASED VIRTUAL SCREENING, MOLECULAR DOCKING, SYNTHESIS AND BIOLOGICAL EVALUATION OF 1,3,4-OXADIAZOLE AND 1,2,4-TRIAZOLE DERIVATIVES AS ANTIBACTERIAL AGENTS" is a bonafide research done by Shahista Begum (Regd no:170621884003) in RBVRR Women's College of Pharmacy, Barkatpura, Hyderabad, Telangana under my guidance and supervision in partial fulfillment of the requirement for the award of the degree of Master of Pharmacy in Pharmaceutical Chemistry and this work has not been submitted to any university on part or full for the award of any degree/diploma.

Date: 22-12-2023

Place: Hyderabad



Signature of the Guide

Dr. M. Vijaya Bhargavi M.Pharm, Ph.D

Rbvrr women's college of pharmacy

**HEAD**

Dept. of Pharmaceutical Chemistry  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)



# FORMULATION AND EVALUATION OF MICROEMULSION GEL OF GUAVA LEAF EXTRACT

THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE  
OF



**MASTERS OF PHARMACY**

**IN**

**PHARMACEUTICS**

**SUBMITTED BY**

**AGALDEETI ISHWARYA**

**ROLL NO: 170621886001**

**UNDER THE GUIDANCE OF**

**DR. G UMA RANI**

**ASSOCIATE PROFESSOR**

**DEPARTMENT OF PHARMACEUTICS**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

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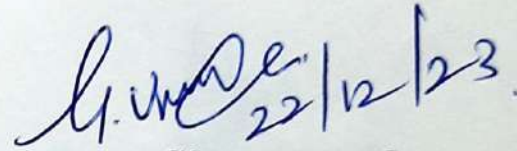
**HYDERABAD-500027-TELANGANA-INDIA**



## CERTIFICATE

This is certify that the dissertation entitled “**FORMULATION AND EVALUATION OF MICROEMULSION GEL OF GUAVA LEAD EXTRACT**” submitted to **Osmania university**, Hyderabad for the partial fulfilment of requirements for the award of degree of **Master of Pharmacy in Pharmaceutics** under the guidance of **Dr. G. UMA RANI** embodies the results and studies of a bonafide research work of Miss **AGALDEETI ISHWARYA** under my supervision of **RBVRR women’s college of pharmacy** and the contents of the thesis do not form the basis for the award of any degree or diploma to the candidate from this or any other university elsewhere.

Date: 22/12/2023



**Signature of  
supervisor**

**Dr. G. UMA RANI**

**M. Pharm, PhD.**

**Associate professor  
Associate Professor  
RBVRR Women’s College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**

**FORMULATION AND EVALUATION OF CANAGLIFLOZIN ORO-DISPERSIBLE  
TABLET**

THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF



**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**SUBMITTED BY**

**BORRA MEGHANA, B. Pharmacy**

**ROLL.NO: 170621886003**

**UNDER GUIDANCE OF**

**DR.K.V. RATNAMALA**



**DEPARTMENT OF PHARMACEUTICS**

**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**AFFILIATED TO OSMANIA UNIVERSITY**

**BARKATPURA, HYDERABAD-500027**



## CERTIFICATE

This is to certify that the dissertation entitled "**Formulation and evaluation of Oro-dispersible tablet of Canagliflozin**" submitted to Osmania university, Hyderabad in partial fulfilment for the award of degree of **Master of Pharmacy (Pharmaceutics)** under faculty of pharmacy embodies the results and studies of a bonafide research work of Ms. MEGHANA BORRA under my supervision at **RBVRR Women's College of Pharmacy** and the contents of this 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.

*Ratnamala KV*  
*22/12/23*  
Signature of Supervisor

**Dr.K.V. Ratnamala**

**Associate Professor**

**Department of Pharmaceutics**

**RBVRR Women's College of Pharmacy**

**Barkatpura, Hyderabad**

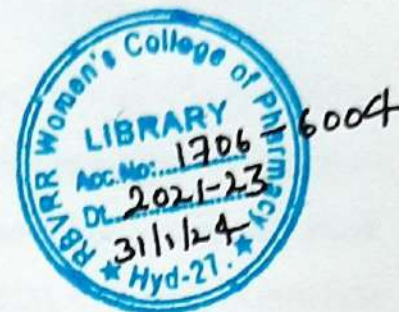
**Associate Professor**

**RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**

# FORMULATION AND EVALUATION OF SUBLINGUAL

## TABLET OF ATORVASTATIN CALCIUM

THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF



MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED BY

**D.KANAKA DURGA**, B. Pharmacy

ROLL.NO: 170621886003

UNDER GUIDANCE OF

Dr G. UMA RANI

ASSOCIATE PROFESSOR



DEPARTMENT OF PHARMACEUTICS

RBVRR WOMEN'S COLLEGE OF PHARMACY

AFFILIATED TO OSMANIA UNIVERSITY

BARKATPURA, HYDERABAD-500027



## CERTIFICATE

This is to certify that the dissertation entitled "**Formulation and evaluation of Sublingual Tablet of Atorvastatin calcium**" submitted to Osmania university, Hyderabad in partial fulfilment for the award of degree of **Master of Pharmacy (Pharmaceutics)** under faculty of pharmacy embodies the results and studies of a bonafide research work of Ms. D. KANAKA DURGA under my supervision at **RBVRR Women's College of Pharmacy** and the contents of this 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.



*G. Uma Rani*  
29/12/23

**Signature of Supervisor**

**Dr.G.UMA RANI**

**Associate Professor**

**Department of Pharmaceutics**

**RBVRR Women's College of Pharmacy**

**Barkatpura, Hyderabad**

**Associate Professor**

**RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**



**FORMULATION AND EVALUATION OF SERTACONAZOLE  
NITRATE NIOSOMAL ANTIFUNGAL GEL**

A DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE  
DEGREE OF



MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED BY

**JOHN CHELSEA RUTH**

Roll No: 170621886005

UNDER THE GUIDANCE OF

**Dr A. KRISHNA SAILAJA**

**PROFESSOR**

DEPARTMENT OF PHARMACEUTICS



RBVRR WOMEN'S COLLEGE OF PHARMACY  
AFFILIATED WITH OSMANIA UNIVERSITY  
HYDERABAD-500027, TELANGANA, INDIA.

## CERTIFICATE

This is to certify that the dissertation entitled “**Formulation and evaluation of Sertaconazole Nitrate Niosomal Antifungal Gel**”, submitted to Faculty of Pharmacy, College of Technology, Osmania University, Hyderabad in partial fulfilment for the award of the degree of **Master of Pharmacy in Pharmaceutics** has been carried out by **John Chelsea Ruth (Roll no 170621886005)** under my supervision at **RBVRR Women’s 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.

Date: 22/12/2024



Signature of Supervisor

**Dr. A. Krishna Sailaja**

**Professor**

**Department of Pharmaceutics**

**RBVRR Women’s College of Pharmacy**

**Barkatpura, Hyderabad.**

**HEAD**

**Department of Pharmaceutics  
RBVRR Women’s College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**



**FORMULATION AND EVALUATION OF CEFUROXIME AXETIL  
NANOSUSPENSION BY PROBE SONICATION AND ANTISOLVENT  
METHOD**

THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILLMENT OF THE REQUIREMENT FOR

THE AWARD OF THE DEGREE OF



MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED BY

**JYOTI**

RollNo:170621886006

Under the Guidance of

**Dr. A. KRISHNA SAILAJA**

**PROFESSOR**

**DEPARTMENT OF PHARMACEUTICS**



**RBVRR WOMENS COLLEGE OF PHARMACY**

**AFFILIATED WITH OSMANIA UNIVERSITY**

**HYDERABAD-500027 TELANGANA,INDIA**



## CERTIFICATE

This is to certify that the dissertation entitled “**Formulation and evaluation of Cefuroxime Axetil Nanosuspension by Probe Sonication and Antisolvent method**”, submitted to Faculty of Pharmacy, College of Technology, Osmania University, Hyderabad in partial fulfilment for the award of the degree of **Master of Pharmacy** in Pharmaceutics has been carried out by **Jyoti (Roll no 170621886006)** under my supervision at **RBVRR Women’s 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.

DATE: 22/12/2023



**Signature of Supervisor**

**Dr. A. Krishna Sailaja**

**Professor**

**Department of Pharmaceutics**

**RBVRR Women’s College of Pharmacy**

**Barkatpura, Hyderabad.**

**HEAD**

**Department of Pharmaceutics  
RBVRR Women’s College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**



FORMULATION AND EVALUATION OF DAPSONE TOPICAL CREAM



THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY,  
HYDERABAD IN PARTIAL FULFILLMENT OF THE REQUIREMENT  
FOR THE AWARD OF THE DEGREE OF

MASTER OF PHARMACY

IN

PHARMACEUTICS

BY

MUNAZZAH TEHREEM B.pharm

(Roll No:1706221886007)

Under the guidance of Dr. G. UMARANI M.Pharm, PhD

Associate professor

Department of Pharmaceutics



DEPARTMENT OF PHARMACEUTICS

RBVRR WOMEN'S COLLEGE OF PHARMACY

BARKATPURA, HYDERABAD-500027; TELANGANA; INDIA

December – 2023

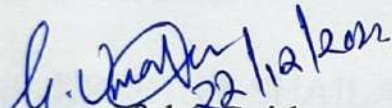


## CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled “**FORMULATION AND EVALUATION OF DAPSONE TOPICAL CREAM**” is submitted to Osmania University, Hyderabad in partial fulfilment for the award of the degree of Master of Pharmacy in Pharmaceutics has been carried out by **MUNAZZAH TEHREEM B. Pharm** (Roll No:1706221886007) in RBVRR Women’s College of Pharmacy during the academic year (2021-2023) under my direct supervision and guidance to my full satisfaction in department of Pharmaceutics.

Date: 22-12-23.

Place: Hyderabad

  
Signature of the Guide

Dr. G. UMARANI

Associate Professor

Department of Pharmaceutics

RBVRR Women’s College of Pharmacy

Barkatpura, Hyderabad

**Associate Professor**  
**RBVRR Women’s College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**



# FORMULATION AND EVALUATION OF TOLVAPTAN LOADED SOLID LIPID NANOPARTICLES

A DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE  
DEGREE OF



MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED BY

**NEHARIKA.B**

Roll No: 170621886008

UNDER THE GUIDANCE OF

**Dr.M.P.KUSUMA**

**ASSOC PROFESSOR**

DEPARTMENT OF PHARMACEUTICS

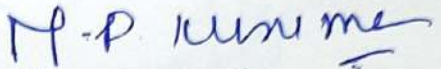


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AFFILIATED WITH OSMANIA UNIVERSITY  
HYDERABAD-500027, TELANGANA, INDIA

## CERTIFICATE

This is to certify that the dissertation entitled "**Formulation and evaluation of Tolvaptan loaded solid lipid nanoparticles**", submitted to Faculty of Pharmacy, College of Technology, Osmania University, Hyderabad in partial fulfilment for the award of the degree of **Master of Pharmacy in Pharmaceutics** has been carried out by **Neharika.B(Roll no 170621886008)** under my supervision at **RBVRR Women's 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.

Date: 22/12/23

  
Signature of Supervisor

**Dr. M.P. Kusuma**

**Professor**

**Department of Pharmaceutics**

**RBVRR Women's College of Pharmacy**

**Barkatpura, Hyderabad.**

**Associate Professor**

**RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad – 500 027 (TS)**



**FORMULATIONS AND EVALUATION OF FLUCONAZOLE TRANSFEROSOMAL  
AND INVASOMAL GEL FOR TREATMENT OF VAGINAL CANDIDIASIS**

A DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN  
PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD  
OF THE DEGREE OF



MASTER OF PHARMACY

IN

PHARMACEUTICS

**VEMULA POOJA**

ROLL NO: 170621886011

UNDER THE GUIDANCE OF

**Dr A. KRISHNA SAILAJA**

**PROFESSOR**

DEPARTMENT OF PHARMACEUTICS



RBVRR WOMEN'S COLLEGE OF PHARMACY

AFFILIATED WITH OSMANIA UNIVERSITY

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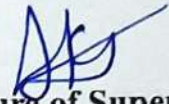


## CERTIFICATE

This is to certify that the dissertation entitled "FORMULATIONS AND EVALUATION OF FLUCANAZOLE TRANSFEROSOMAL AND INVASOMAL GEL FOR TREATMENT OF VAGINAL CANDIASIS", submitted to Faculty of Pharmacy, College of Technology, Osmania University, Hyderabad in partial fulfilment for the award of the degree of **Master of Pharmacy in Pharmaceutics** has been carried out by Vemula Pooja (Roll no 170621886011) under my supervision at RBVRR Women's 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.

Date:

22/12/2023



Signature of Supervisor

Dr.A. Krishna Sailaja

Professor

Department of Pharmaceutics

RBVRR Women's College of Pharmacy

Barkatpura, Hyderabad

HEAD

Department of Pharmaceutics  
RBVRR Women's College of Pharmacy  
Barkatpura, Hyderabad - 500 027 (TS)

**FORMULATION AND EVALUATION OF LIQUISOLID COMPACTS OF  
BCS CLASS II DRUGS**

THE DISSERTATION SUBMITTED TO OSMANIA UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF



**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS**

**SUBMITTED BY**

**YANAMANDRA LALITHA LAHARIKA**

**B. Pharmacy**

**Roll No: 170621886012**

**UNDER GUIDANCE OF**

**Dr.K.V.RATNAMALA**

**DEPARTMENT OF PHARMACEUTICS**



**RBVRR WOMEN'S COLLEGE OF PHARMACY**

**AFFILIATED WITH OSMANIA UNIVERSITY**

**BARKATPURA, HYDERABAD-500027**



## CERTIFICATE BY THE GUIDE

I hereby declare that this dissertation entitled "**Formulation and Evaluation of Liquisolid Compacts of BCS Class II Drugs**", is based on the original work carried out by me in the **RBVRR Women's College of Pharmacy**, Hyderabad affiliated to Osmania University under the esteemed guidance of **DR.K.V. RATNAMALA**, associate professor for submission to **OSMANIA UNIVERSITY, HYDERABAD** for the award of degree of Master of Pharmacy in Pharmaceutics. This work has not been submitted earlier in part or full to any other University or college for the award of any other degree.

Date: 29/12/23

Place: Hyderabad

*Ratnamala KV*

SIGNATURE OF THE GUIDE

**Dr.K.V. RATNAMALA**

Associate Professor

Dept. Of Pharmaceutics

RBVRR Women's College of Pharmacy

Barkatpura, Hyderabad

**Associate Professor**

**RBVRR Women's College of Pharmacy**  
**Barkatpura, Hyderabad – 500 027 (TS)**

