Department: Department of Pharmacy		
Academic Year: 2022_23		
S.No.	**Programme Code**	**Name of the Programme**
01	**2022** 337	**M.Pharm (Pharmaceutics)**

Following students have carried out their Project work/ Internship/ Field Project/Industrial Training for the academic session 2022-23

A
Thesis
on

IMPROVED ORAL BIOAVAILABILITY OF ANTIHYPERLIPIDEMIC AGENTS USING SELF MICROEMULSIFYING DRUG DELIVERY SYSTEM

Submitted for
Partial Fulfillment of the Requirement
for the Award of Degree of

Master of Pharmacy
(Pharmaceutics)
(Session 2022-2023)

SUBMITTED TO
Dr. Akhlesh K. Jain
(Assistant Professor)

SUBMITTED BY
A[illegible]adha
Enroll: GGV/16/6071
Roll No. 21082101

DEPARTMENT OF PHARMACY,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, C[illegible]
(A Central University Established by the
Central University Act 2009 NO. 25 of 2009)

A

Thesis

on

IMPROVED ORAL BIOAVAILABILITY OF ANTIHYPERLIPIDEMIC AGENTS USING SELF MICROEMULSIFYING DRUG DELIVERY SYSTEM

Submitted for

Partial Fulfillment of the Requirement for the Award of Degree of

Master of Pharmacy (Pharmaceutics)

(Session 2022-2023)

SUBMITTED TO
Dr.Akhlesh K.Jain
(Assistant Professor)

SUBMITTED BY
Anuradha
Enroll:GGV/16/6071
Roll No. 21082101

DEPARTMENT OF PHARMACY,

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, (C.G.)

(A Central University Established by the Central University Act 2009 No. 25)

DEPARTMENT OF PHARMACY
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A Central University Established by the Central University Act 2009 No. 25 of 2009)
Tel.:07752-260027 (O); Fax; 07752-260148

FORWARDING CERTIFICATE

This is to certify that **Anuradha** D/O **Mr. Rupdhar Ram** is a student of M. Pharm 4th Semester in Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted her Project entitled **"Improved Oral Bioavailability of Antihyperlipidemic agents using self microemulsifying drug delivery system"** for the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics) under the supervision of **Dr. Akhlesh K. Jain (Assistant Professor)**.

I hereby forward her project in M. Pharmacy (Pharmaceutics) during the academic session 2022-2023.

Date:

Place:

FORWARDED BY

Head of Department

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

DEVELOPMENT AND CHARACTERIZATION OF DEXAMETHASONE LOADED LIPID BASED NANOCARRIER FOR EFFECTIVE TREATMENT OF RHEUMATOID ARTHRITIS

A
Dissertation
Submitted for the Partial Fulfillment of the Requirement for
The Award of Degree of

MASTER OF PHARMACY
(PHARMACEUTICS)

SESSION
2022-2023

Supervised by:

DR. K. KESAVAN
M. PHARM. PH.D.
ASSISTANT PROFESSOR
(PHARMACEUTICS)

Submitted by:

MS. AYUSHI SHARMA
M. PHARM. IV SEM.
(PHARMACEUTICS)
ENROLL. NO.-GGV/21/06351
ROLL NO. 21082102

DEPARTMENT OF PHARMACY,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

DEVELOPMENT AND CHARACTERIZATION OF DEXAMETHASONE LOADED LIPID BASED NANOCARRIER FOR EFFECTIVE TREATMENT OF RHEUMATOID ARTHRITIS

A
Dissertation
Submitted for the Partial Fulfillment of the Requirement for
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MASTER OF PHARMACY
(PHARMACEUTICS)

SESSION
2022-2023

Supervised by:

DR. K. KESAVAN
M. PHARM. PH.D.
ASSISTANT PROFESSOR
(PHARMACEUTICS)

Submitted by:

MS. AYUSHI SHARMA
M. PHARM. IV SEM.
(PHARMACEUTICS)
ENROLL. NO.-GGV/21/06351
ROLL NO: 21082102

DEPARTMENT OF PHARMACY,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

DEPARTMENT OF PHARMACY,
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR 495009 (C.G.)
(A Central University Established by the Central University Act-2009 No-25 of 2009) Tel.No.07752-260027; FaxNo.07752-260148.

FORWARDING CERTIFICATE

This is to certify that ***Ms. Ayushi Sharma,*** *M. Pharm. IV semester (Pharmaceutics) of this institute has submitted her Dissertation work entitled* ***"Development and characterization of dexamethasone loaded lipid based nanocarrier for effective treatment of rheumatoid arthritis"*** *for the partial fulfillment of the requirement for the award of degree of* ***Master of Pharmacy (Pharmaceutics)*** *with her truly & honestly observed inference during her research work under the supervision of* ***Dr. K. Kesavan (M. Pharm., Ph.D.).*** *Her work is original, satisfactory and is not submitted anywhere else for the award of any Degree.*

I hereby forward the thesis to the Vishwavidyalaya for the Award of M. Pharm. degree in Pharmaceutics during the academic session 2022-2023.

Date: 04/12/2023

HEAD OF DEPARTMENT

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

LIST OF CHAPTERS

DEVELOPMENT AND CHARACTERIZATION OF ATORVASTATIN-LOADED NANOCARRIER SYSTEM FOR TREATMENT OF AGE-RELATED MACULAR DEGENERATION

A

Dissertation

Submitted for partial fulfillment of the requirement for the award of the degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

Submitted by

Barun Raj

M. PHARM IVSEMESTER

(PHARMACEUTICS)

(Enrollment no. GGV/16/6077)

(Roll no.21082103)

Supervised by

Dr. K. Kesavan

(Assistant Professor, Department of Pharmaceutics)

Session 2022-2023

DEPARTMENT OF PHARMACY, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

DEVELOPMENT AND CHARACTERIZATION OF ATORVASTATIN-LADED NANOCARRIER SYSTEM FOR TREATMENT OF AGE-RELATED MACULAR DEGENERATION

A

Dissertation

Submitted for partial fulfillment of the requirement for the award of the degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

Submitted by

Barun Raj

M. PHARM IV SEMESTER

(PHARMACEUTICS)

(Enrollment no. GGV/16/6077)

(Roll no.21082103)

Supervised by

Dr. K. Kesavan

(Assistant Professor, Department of Pharmaceutics)

Session 2022-2023

DEPARTMENT OF PHARMACY, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.), 495009

(A Central University established by the Central University Act 2009 No. 25 of 2009)

FORWARDING CERTIFICATE

This is to certify that Mr. Ramu Raj of M. Pharm 4th Semester (Pharmaceutics), bearing Enrollment no. GGV/16/6077 has submitted Master of Pharmacy dissertation entitled as **"Development and characterization of silymarin-loaded nanocarrier system for treatment of age-related macular degeneration"**, for the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics). He has submitted his Dissertation under the supervision of **Dr. K. Kesavan** (Assistant Professor, Department of Pharmaceutics) his dissertation is satisfactory, original and is not submitted anywhereelse for the award of any degree.

I hereby forward his dissertation for M. Pharm degree in Pharmaceutics during the academic session 2022-2023

Date: 04/12/2023

Forwarded by

Prof. Bharti Ahirwar

Head of Department

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

BIOFILM TARGETED MUCOADHESIVE EMULSION FOR ENHANCEMENT OF ANTIMICROBIAL EFFICACY OF CURCUMIN

A

Dissertation

Submitted for the partial fulfilment of the requirement for The Award of

Degree of

MASTER OF PHARMACY (PHARMACEUTICS)

2021-2023

Supervised by

Dr. Manoj Kumar

M.Pharm., Ph.D.

ASSISTANT PROFESSOR

(PHARMACEUTICS)

Submitted by

Dhanraj Pisda

M. Pharm final semester

(PHARMACEUTICS)

Enroll no: GGV/21/06352

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA

BILASPUR (C.G.)

ILM TARGETED MUCOADHESIVE EMULSION FOR ENHANCEMENT OF ANTIMICROBIAL EFFICACY OF CURCUMIN

A

Dissertation

Submitted for the partial fulfilment of the requirement for The Award of

Degree of

MASTER OF PHARMACY (PHARMACEUTICS)

2021-2023

Supervised by

Dr. Manoj Kumar

M.Pharm., Ph.D.

ASSISTANT PROFESSOR

(PHARMACEUTICS)

Submitted by

Dhanraj Pisda

M. Pharm final semester

(PHARMACEUTICS)

Enroll no: GGV/21/06352

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA

BILASPUR (C.G.)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University Established by the Central University Act-2009 No-25 of2009)

Tel.No.07752-260027;FaxNo.07752-260148

FORWARDING CERTIFICATE

This is to certify that **Mr. Dhanraj Pisda** M. Pharm final semester (Pharmaceutics) of this institute has submitted his dissertation work entitled **"Biofilm targeted mucoadhesive emulsion for enhancement of antimicrobial efficacy of curcumin"** for the partial fulfilment of the requirement for the award of the degree of **Master of Pharmacy (Pharmaceutics)** with his truly and honestly observed inference during his research work under the supervision of **Dr. Manoj Kumar.** His work is original, satisfactory and is not submitted anywhere else for the award of any degree.

I hereby forward his thesis for the award of M. Pharm degree in Pharmaceutics during the academic session 2021-2023.

Date: 04-12-23

Head of Department

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University Established by the Central University Act-2009 No-25 of 2009)

Tel.No.07752-260027; FaxNo.07752-260148

CERTIFICATE

This is to certify that **Mr. Dhanraj Pisda** S/o Mr. Omu Ram Pisda, M. Pharm final semester (Pharmaceutics) of Department of Pharmacy has submitted his dissertation work entitled **"Biofilm targeted mucoadhesive emulsion for enhancement of antimicrobial efficacy of curcumin"** for the partial fulfilment of the requirement for the award of Degree of **Master of Pharmacy (Pharmaceutics)** with his truly & honestly observed inference during his research work. He has completed his project work under my guidance. His work is original, satisfactory and is not submitted anywhere else for any degree.

I hereby forward his thesis for the award of **Master of Pharmacy (Pharmaceutics)** during the academic session 2021-2023.

Dr. Manoj Kumar (M. Pharm., Ph.D.)
Assistant Professor (Pharmaceutics)
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya (A Central University)
Koni, Bilaspur (C.G.) 495 009

Dr. Manoj Kumar, M.Pharm., Ph.D.
Assistant Professor (Pharmaceutics)

(Supervisor)

INDEX

A

DISSERTATION

ON

LINEZOLID LOADED FILM FORMING SOLUTION FOR THE TREATMENT OF DIABETIC FOOT ULCER

SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF

MASTER OF PHARMACY (PHARMACEUTICS)

(A Central University Established by the Central University Act-2009 No. 25 of 2009)

Submitted by

DIVYA JAISWAL
M.PHARMACY 4th SEMESTER
(PHARMACEUTICS)
ENROLL NO: GGV/21/06353
ROLL NO: 21082105

Under the supervision of

Dr. K.P. MEENA
(M. Pharm., Ph.D.)
ASSOCIATE PROFESSOR
(PHARMACEUTICS)

DEPARTMENT OF PHARMACY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University Established by the Central University Act-2009 No. 25 of 2009)

A

DISSERTATION

ON

LINEZOLID LOADED FILM FORMING SOLUTION FOR THE TREATMENT OF DIABETIC FOOT ULCER

SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF

MASTER OF PHARMACY (PHARMACEUTICS)

(A Central University Established by the Central University Act-2009 No. 25 of 2009)

Submitted by

DIVYA JAISWAL
M.PHARMACY 4th SEMESTER
(PHARMACEUTICS)
ENROLL NO: GGV/21/06353
ROLL NO: 21082105

Under the supervision of

Dr. K.P. MEENA
(M. Pharm., Ph.D.)
ASSOCIATE PROFESSOR
(PHARMACEUTICS)

DEPARTMENT OF PHARMACY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University Established by the Central University Act-2009 No. 25 of 2009)

DEPARTMENT OF PHARMACY
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(A Central University Established by the Central University Act-2009 No. 25 of 2009)
Tel. No. 07752-260027; Fax No. 07752-260148

FORWARDING CERTIFICATE

4th semester in Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted her dissertation entitled **"LINEZOLID LOADED FILM FORMING SOLUTION FOR THE TREATMENT OF DIABETIC FOOT ULCER"** for the partial fulfilment of the requirement for the Degree of Master of Pharmacy (Pharmaceutics). She has submitted her synopsis under the supervision of **Dr. K.P. MEENA (Associate Professor, Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur).** Her work is Original and satisfactory and is not submitted anywhere else for the award of any degree.

I recommend forwarding her thesis for the 2nd year project work in **M. Pharm. (Pharmaceutics)** during the academic session 2022-2023.

FORWARDED BY

Dr. BHARTI AHIRWAR
HEAD OF DEPARTMENT
DEPARTMENT OF PHARMACY
GURU GHASIDAS VIVSHWAVIDYALAYA
BILASPUR (C.G)

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

Date:
Place: Bilaspur

LIST OF CONTENT

LIST OF TABLES

A

Dissertation on

DEVELOPMENT AND CHARACTERIZATION OF BIODEGRADABLE POLYMERIC HYDROGEL SYSTEM FOR COLON SPECIFIC TARGETING

Submitted for

Partial Fulfillment of the Requirement for the Award of Degree of

Master of Pharmacy (Pharmaceutics)

(Session 2022-2023)

SUPERVISED BY

Dr. S. K. Lanjhiyana

Associate Professor

(Pharmaceutics)

SUBMITTED BY

Mr. Jay Prakash Sahu

Enroll: GGV/21/06354

Roll No. 21082106

DEPARTMENT OF PHARMACY,

GURU GHASIDAS VISHWAVIDYALAYA,

BILASPUR, CHHATTISGARH

Abid Printer 9770398993

A

Dissertation on

DEVELOPMENT AND CHARACTERIZATION OF BIODEGRADABLE POLYMERIC HYDROGEL SYSTEM FOR COLON SPECIFIC TARGETING

Submitted for

Partial Fulfillment of the Requirement for the Award of Degree of

Master of Pharmacy (Pharmaceutics)

(Session 2022-2023)

SUPERVISED BY

Dr. S. K. Lanjhiyana
Associate Professor
(Pharmaceutics)

SUBMITTED BY

Mr. Jay Prakash Sahu
Enroll: GGV/21/06354
Roll No. 21082106

DEPARTMENT OF PHARMACY,

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR, CHHATTISGARH

DEPARTMENT OF PHARMACY
GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)
(A central University Established by the Central University Act 2009 No. 25 of 2009)
Tel.: 07752-260027 (O); Fax; 07752-260148

FORWARDING

This is to certify that **Mr. Jay Prakash Sahu** s/o. **Mr. Santosh Kumar Sahu** student of M. Pharmacy (Pharmaceutics) in Department of Pharmacy has submitted his dissertation work entitled **"Development and Characterization of Biodegradable Polymeric Hydrogel System for Colon Specific Targeting"** for the partial fulfilment of the requirement of Master of Pharmacy (Pharmaceutics) with his truly and honesty observed inference during his project work. He has completed his project work under the supervision of **Dr. S. K. Lanjhiyana** (Associate Professor, Pharmaceutics). His work is satisfactory and is not submitted anywhere else for the award of any degree.

I hereby forward his dissertation work for the award of M. Pharmacy (Pharmaceutics) during the academic session 2022-23.

Forwarded by

Head of Department

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

CONTENTS

A

DISSERTATION

ON

TARGETED SURFACE MODIFIED NANOCARRIERS OF AN ANTI-CANCER DRUG FOR GASTRIC CANCER

Submitted for

Partial fulfillment of the requirement for the award of degree of Master of Pharmacy

(Pharmaceutics)

Session 2022-2023

Supervisor :

Dr. Sunil K. Jain

M. Pharm., Ph.D.

Associate Professor

(Pharmaceutics)

Submitted By :

Jayshree

M. Pharm. 4th Sem

Enroll.: GGV/17/6220

Roll. No. 21072108

(Pharmaceutics)

DEPARTMENT OF PHARMACY, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

A

DISSERTATION

ON

TARGETED SURFACE MODIFIED NANOCARRIERS OF AN ANTI-CANCER DRUG FOR GASTRIC CANCER

Submitted for

Partial fulfillment of the requirement for the award of degree of Master of Pharmacy

(Pharmaceutics)

Session 2022-2023

Supervisor :

Dr. Sunil K. Jain

M. Pharm., Ph.D.

Associate Professor

(Pharmaceutics)

Submitted By :

Jayshree

M. Pharm. 4th Sem

Enroll.: GGV/17/6220

Roll. No. 21072108

(Pharmaceutics)

DEPARTMENT OF PHARMACY, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR [C.G.]

[A Central University Established by the Central Universities ACT 2009 No. 25 of 2009]

Phone: 07752 - 260342, 260381, Website: www.ggu.ac.in, Fax: 07752-260148, 260154

Date.....

FORWARDING CERTIFICATE

This is to certify that **Miss Jayshree** student of M.Pharm. IV sem., Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) has submitted her dissertation on the topic entitled **"Targeted surface modified nanocarriers of an anti-cancer drug for gastric cancer"** for the effective fulfillment of the requirement for the Degree of Master of Pharmacy (Pharmaceutics) with her truly and honesty observed inferences during her project work under the supervision of Dr. Sunil K. Jain. Her work is original, satisfactory and not submitted anywhere else for the award of any degree.

I hereby forward the dissertation to the Vishwavidyalaya for the Award of Degree of Master of Pharmacy (Pharmaceutics) for session 2022-2023.

Forwarded By :

(Head of Department)

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

CONTENTS

A

DISSERTATION

On

SURFACE-MODIFIED NANOCARRIERS OF AN ANTICANCER DRUG FOR ENHANCING COLORECTAL CANCER TARGETTING

Submitted for

Partial fulfilment of the requirement for the award of degree of

Master of Pharmacy (Pharmaceutics)

Session 2022-2023

SUPERVISOR

Dr. Sunil K. Jain

(M. Pharm, Ph.D.)

Associate Professor (Pharmaceutics)

SUBMITTED BY

KM. Pooja

M. Pharm 4th sem.

Roll No. 21082108

Enroll.: GGV/21/06355

DEPARTMENT OF PHARMACY GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

A

DISSERTATION

On

SURFACE-MODIFIED NANOCARRIERS OF AN ANTICANCER DRUG FOR ENHANCING COLORECTAL CANCER TARGETTING

Submitted for

Partial fulfilment of the requirement for the award of degree of

Master of Pharmacy (Pharmaceutics)

Session 2022-2023

SUPERVISOR

Dr. Sunil K. Jain

(M. Pharm, Ph.D.)

Associate Professor (Pharmaceutics)

SUBMITTED BY

KM. Pooja

M. Pharm 4th sem.

Roll No. 21082108

Enroll.: GGV/21/06355

DEPARTMENT OF PHARMACY GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

DEPARTMENT OF PHARMACY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR [C.G.]
tral University Established by the Central Universities ACT 2009 No. 25 of 2009]
Phone: 07752 - 260342, 260381, Website: www.ggu.ac.in, Fax: 07752-260148, 260154

FORWARDING CERTIFICATE

This is to certify that **Miss. KM. Pooja** has submitted M. Pharm. Dissertation Synopsis entitled **"Surface-modified nanocarriers of anticancer drug for enhancing colorectal targeting"** for the partial fulfilment of the requirement for the Degree of Master of Pharmacy (Pharmaceutics) under the supervision **Sunil K. Jain.**

I hereby forward the Dissertation to the Vishwavidyalaya for the Award of Degree of Master of Pharmacy (Pharmaceutics) for session 2022-

Date:

Forwarded By

(Head of Department)

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

CONTENTS

FORMULATION AND CHARACTERISATION OF MULTI-PARTICULATE SYSTEM USING COMBINATION THERAPY FOR HEMORRHOIDS

A

THESIS

SUBMITTED FOR

PARTIAL FULFILMENT OF THE REQUIRMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF PHARMACY

(PHARMACEUTICS)

(SESSION 2021-23)

IN THE SCHOOL OF STUDIES OF NATURAL RESOURCES

TO

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University Established by Central Universities Act., 2009 NO.25 of 2009)

BY

MANISH RABBERT KOSHLE

Under the supervision

Dr. ALPANA RAM

PROFESSOR (PHARMACEUTICS)

Department of Pharmecy

Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G.)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY)

BILASPUR (C.G.)

FORMULATION AND CHARACTERISATION OF MULTI-PARTICULATE SYSTEM USING COMBINATION THERAPY FOR HEMORRHOIDS

A

THESIS

SUBMITTED FOR

PARTIAL FULFILMENT OF THE REQUIRMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF PHARMACY

(PHARMACEUTICS)

(SESSION 2021-23)

IN THE SCHOOL OF STUDIES OF NATURAL RESOURCES

TO

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University Established by Central Universities Act., 2009 NO.25 of 2009)

BY

MANISH RABBERT KOSHLE

Under the supervision

Dr. ALPANA RAM

PROFESSOR (PHARMACEUTICS)

Department of Pharmecy

Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G.)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY)

BILASPUR (C.G.)

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

(A Central University Established by Central Universities Act., 2009 No.25 of 2009)

Tel:+91-7752260027 (O); +91-8827989653 (Mob); Fax +91-7752-260148

FORWARDING CERTIFICATE

This is to certify that this dissertation work entitled *" Foamulation and Characterisation of Multiparticulate System Using Combination Therapy for Hemorrhoids"* work done by Mr. MANISH RABBERT KOSHLE student of m pharm. IV semester (pharamceutics) of this institute has submitted his dissertation under the supervision and guidance of Dr. Alpana Ram Professor (pharmaceutics), in the partial fulfillment of the requirement for thr award of Degree of Master of Pharmacy in Pharmaceutics.

I hereby forward his Dissertation for the award of M. Pharmacy (Pharmaceutics) during the academic session 2021-23.

Forwarded by

Professor Bharti Ahirwar

(H.O.D)

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

CONTENTS

A

DISSERTATION

ON

"DEVELOPMENT AND CHARACTERIZATION OF GREEN TEA CATECHIN LOADED EMULGEL FOR TREATMENT OF CHEMOTHERAPY INDUCED ALOPECIA"

Submitted for the partial fulfillment of the requirement for

The Award of Degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

2022-2023

Supervised by

DR. RAVI SHANKAR PANDEY

M.PHARM., Ph.D.

PROFESSOR

Submitted by

NISHAT PARVEEN SIDDIQUI

Roll No.

DEPARTMENT OF PHARMACY, GURU GHASIDAS

VISHWAVIDYALAYA, BILASPUR (C.G.) 495009

Abid Printer9770398993

A

DISSERTATION

ON

"DEVELOPMENT AND CHARACTERIZATION OF GREEN TEA CATECHIN LOADED EMULGEL FOR TREATMENT OF CHEMOTHERAPY INDUCED ALOPECIA"

Submitted for the partial fulfillment of the requirement for

The Award of Degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

2022-2023

Supervised by

DR. RAVI SHANKAR PANDEY

M.PHARM., Ph.D.

PROFESSOR

Submitted by

NISHAT PARVEEN SIDDIQUI

M.PHARM IV SEM

PHARMACEUTICS

Enroll No. GGV/17/6252

Roll No. 21082110

DEPARTMENT OF PHARMACY, GURU GHASIDAS

VISHWAVIDYALAYA, BILASPUR (C.G.) 495009

DEPARTMENT OF PHARMACY, GURU GHASIDAS
VISHWAVIDYALAYA, BILASPUR (C.G.), 495009
(A Central University Established by the Central University Act-2009 No-25 of 2009) Tel.No.07752-260027; FaxNo.07752-260148.

FORWARDING CERTIFICATE

This is to certify that Miss NISHAT PARVEEN SIDDIQUI M. Pharm IV semester (Pharmaceutics) of this institute has submitted her dissertation work entitled *"DEVELOPMENT AND CHARACTERIZATION OF GREEN TEA CATECHIN LOADED EMULGEL FOR TREATMENT OF CHEMOTHERAPY INDUCED ALOPECIA"* for the partial fulfilment of the requirement for the award of degree of Master of Pharmacy (Pharmaceutics) with her truly and honestly observed inference during her research work under the supervision of DR. RAVI SHANKAR PANDEY. Her work is original, satisfactory and is not submitted anywhere else for the award of any degree.

I hereby forward her dissertation for the award of M. Pharm. degree in Pharmaceutics during the academic session 2022-2023.

HEAD OF DEPARTMENT
Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

LIST OF CHAPTERS

A

DISSERTATION

ON

FORMULATION AND CHARACTERISATION OF MULTI-PARTICULATE SYSTEM OF PROTON PUMP INHIBITOR USING A COMBINATION THERAPY FOR PEPTIC ULCER

Submitted for the Partial fulfillment of the requirement for

The Award of Degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

Session 2022-2023

Submitted By

PRINCE NIKHIL RATHORE
M.Pharm 4th Semester
(Pharmaceutics)
Roll no: 21082111
Enr.No: GGV/17/6261

Supervisor

Prof.(Dr.) ALPANA RAM
M.Pharm., Phd.
(Pharmaceutics)
Department of Pharmacy

DEPARTMENT OF PHARMACY
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BILASPUR (C.G.)

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(A Central University Established by the Central University Act-2009 No-25 of 2009)

Tel. No. 07752-260027; Fax No. 07752-260148

FORWARDING CERTIFICATE

This is to certify that **Mr. PRINCE NIKHIL RATHORE** M.Pharm 4th semester (Pharmaceutics) of this institute has submitted his dissertation work entitled **"FORMULATION AND CHARACTERISATION OF MULTI- PARTICULATE SYSTEM OF PROTON PUMP INHIBITOR USING A COMBINATION THERAPY FOR PEPTIC ULCER"** for the partial fulfillment of the requirement for the award of the degree of Master of Pharmacy (Pharmaceutics) with his truly and honestly observed inference during his research work under the supervision of **Prof. (Dr.)Alpana Ram.** His work is original, satisfactory, and not submitted anywhere else for the award of any degree.

I hereby forward his dissertation work for the M.Pharm degree in Pharmaceutics award during the academic session 2022-2023.

Date:

Place: Bilaspur

Forwarded By:

Head Of Department

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

DEPARTMENT OF PHARMACY

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CERTIFICATE

This is to certify that **Mr. PRINCE NIKHIL RATHORE S/O Shri. Umashankar Rathore** M.Pharm 4th semester (Pharmaceutics) of this institute has submitted his dissertation work entitled **"FORMULATION AND CHARACTERISATION OF MULTI-PARTICULATE SYSTEM OF PROTON PUMP INHIBITOR USING A COMBINATION THERAPY FOR PEPTIC ULCER"** for the partial fulfillment of the requirement for the award of the degree of Master of Pharmacy (Pharmaceutics) with his truly and honestly observed inference during his research work. He has completed his project work under my guidance. His work is original, satisfactory, and not submitted anywhere else for the award of any degree.

I hereby forward his dissertation work for the M.Pharm degree in Pharmaceutics award during the academic session 2022-2023.

Date: 24.11.2023
Place: Bilaspur

Supervisor
Prof.(Dr.)Alpna Ram
(Pharmaceutics)
Department of Pharmacy
G.G.V. Bilaspur (C.G)

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A

THESIS

ON

"DEVELOPMENT AND CHARACTERISATION OF MESALAMINE LOADED POLYELECTROLYTE COMPLEX BASED DUAL CROSS LINKED MULTIPARTICULATE SYSTEM"

SUBMITTED FOR

partial fulfilment of the requirement for the Award of Degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

Session 2022-2023

UNDER THE GUIDANCE OF

Dr. S.K. Lanjhiyana

M.PHARM. Ph. D.

SSOCIATE PROFESSOR

(PHARMACEUTICS)

SUBMITTED BY

Sakshi Gupta

M.PHARM.

PHARMACEUTICS

Enroll No. GGV/21/06356

Roll No. 21082112

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIYDYALAYA

BILASPUR (C.G.)

Abid Printers

A

THESIS

ON

"DEVELOPMENT AND CHARACTERISATION OF MESALAMINE LOADED POLYELECTROLYTE COMPLEX BASED DUAL CROSS LINKED MULTI - PARTICULATE SYSTEM"

SUBMITTED FOR

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MASTER OF PHARMACY (PHARMACEUTICS)

Session 2022-2023

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Dr. S.K. Lanjhiyana

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FORWARDING CERTIFICATE

This is to certify that **Ms. Sakshi Gupta** D/O **Mr. Om Prakash Gupta** M.Pharm IVth semester (Pharmaceutics) of this institute has submitted her Thesis entitled **"DEVELOPMENT AND CHARACTERISATION OF MESALAMINE LOADED POLYELECTROLYTE COMPLEX BASED DUAL CROSS LINKED MULTI - PARTICULATE SYSTEM"** for the partial fulfilment of the requirement for the award of the degree of Master of Pharmacy (Pharmaceutics) with her truly and honestly observed inference during her research work under the supervision of **Dr. S. K. Lanjhiyana.** Her work is satisfactory and not submitted anywhere else for the award of any degree.

I hereby forward her Thesis for the M. Pharm degree in Pharmaceutics award during the academic session 2022-2023.

Date:

Place: Bilaspur

FORWARDED BY:

(Head of Department)

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

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NEFOPAM INCORPORATED THERMOSENSITIVE GEL FOR TREATMENT OF HYPERTROPHIC SCAR DUE TO SECOND DEGREE BURN

A

Thesis

Submitted for Partial Fulfilment of the Requirement

for the Award of Degree of

Master of Pharmacy

(Pharmaceutics)

(Session 2022-2023)

SUPERVISED BY

DR. MANOJ KUMAR

M.PHARM., PhD

Assistant Professor

SUBMITTED BY

SHIVANI TOMAR

M.PHARM. IV SEM

(Pharmaceutics)

Enroll No. GGV/21/06357

Roll. No. 21082113

DEPARTMENT OF PHARMACY

GURU GHASIDAS VISHWAVIDYALAYA,

BILASPUR, CHHATTISGARH

NEFOPAM INCORPORATED THERMOSENSITIVE GEL FOR TREATMENT OF HYPERTROPHIC SCAR DUE TO SECOND DEGREE BURN

A

Thesis

Submitted for Partial Fulfilment of the Requirement for the Award of Degree of

Master of Pharmacy (Pharmaceutics)

(Session 2022-2023)

SUPERVISED BY

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SHIVANI TOMAR
M.[illegible] IV SEM
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This is to certify that **Ms. Shivani Tomar** has submitted her thesis entitled "**Nefopam Incorporated Thermosensitive Gel For Treatment of Hypertrophic Scar Caused by Second Degree Burns**" for the partial fulfilment of the requirement for the degree of Master of Pharmacy (Pharmaceutics) under the supervision of **Dr. Manoj Kumar (M. Pharm., PhD.)**.

I hereby forward her thesis to the Guru GhasidasVishwavidyalaya for the award of the degree of Master of Pharmacy (Pharmaceutics) for the session 2022-2023.

FORWARDED BY:

Head of Department
Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

Date:

CONTENTS

A

Thesis

on

IMPROVED ORAL BIOAVAILABILITY OF AN ANTIDIABETIC DRUG USING NANO-STRUCTURED LIPID CARRIERS FOR EFFECTIVE MANAGEMENT OF DIABETES

Submitted for

Partial Fulfillment of the Requirement for

the Award of Degree of

Master of Pharmacy

(Pharmaceutics)

(Session 2022-2023)

SUBMITTED TO

Dr. Akhlesh K. Jain

(Assistant Professor)

SUBMITTED BY

Sneha Choudhary

Enroll: GGV/17/6294

Roll No. 21082114

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GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A central University Established by the

Central University Act 2009 No. 25 of 2009)

A
Thesis
on

IMPROVED ORAL BIOAVAILABILITY OF AN ANTIDIABETIC DRUG USING NANO-STRUCTURED LIPID CARRIERS FOR EFFECTIVE MANAGEMENT OF DIABETES

Submitted for

Partial Fulfillment of the Requirement for the Award of Degree of

Master of Pharmacy (Pharmaceutics)

(Session 2022-2023)

SUBMITTED TO
Dr. Akhlesh K. Jain
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This is to certify that **Miss Sneha Choudhary** D/O **Mr. Ravi Choudhary** is a student of M. Pharm 4th Semester in Department of Pharmacy, Guru Ghasidas Vishwavidyalaya, Bilaspur has submitted her Project entitled **"Improved Oral Bioavailability of An Antidiabetic Drug Using Nano-Structured Lipid Carriers for Effective Management of Diabetes"** for the partial fulfillment of the requirement for the degree of Master of Pharmacy (Pharmaceutics) under the supervision of **Dr. Akhlesh K. Jain (Assistant Professor).**

I hereby forward her project in M. Pharmacy (Pharmaceutics) during the academic session 2022-2023.

Date: 02/12/23
Place: Bilaspur

4/12/2023
FORWARDED BY

Head of Department
Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.)

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FORMULATION AND CHARACTERIZATION OF NYSTATIN LOADED CHITOSAN-GUAR GUM BASED NANOCAPSULES FOR THE EFFECTIVE TREATMENT OF FUNGAL KERATITIS

A

Dissertation

Submitted for Partial fulfillment of the requirement for the award of degree of

MASTER OF PHARMACY

(Pharmaceutics)

Session 2022-2023

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Assistant Professor

(Pharmaceutics)

SUBMITTED BY

Virendra Kumar

M. Pharm – IV Sem

Enroll No.- GGV/15/6313

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GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G)

FORMULATION AND CHARACTERIZATION OF NYSTATIN LOADED CHITOSAN-GUAR GUM BASED NANOCAPSULES FOR THE EFFECTIVE TREATMENT OF FUNGAL KERATITIS

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Dissertation

Submitted for Partial fulfillment of the requirement for the award of degree of

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Session 2022-2023

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LIST OF CHAPTER

A

DISSERTATION

ON

"SULFASALAZINE LOADED MICROEMULSION FOR THE TREATMENT OF PSORIASIS"

Submitted for the partial fulfillment of the requirement for

The Award of Degree of

MASTER OF PHARMACY

(PHARMACEUTICS)

2022-2023

Supervised by

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Submitted by

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A

DISSERTATION

ON

"SULFASALAZINE LOADED MICROEMULSION FOR THE TREATMENT OF PSORIASIS"

Submitted for the partial fulfillment of the requirement for

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MASTER OF PHARMACY

(PHARMACEUTICS)

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FORWARDING CERTIFICATE

This is to certify that **MR. MAYANK GARHEWAL** M. Pharm IV semester (Pharmaceutics) of this nstitute has submitted his dissertation work entitled ***"SULFASALAZINE LOADED MICROEMULSION FOR TREATMENT OF PSORIASIS"*** for the partial fulfilment of the equirement for the award of degree of **Master of Pharmacy (Pharmaceutics)** with his truly and onestly observed inference during his research work under the supervision of **DR. RAVI SHANKAR PANDEY.** His work is original, satisfactory and is not submitted anywhere else for the award of any egree.

hereby forward his dissertation for the award of M. Pharm. degree in Pharmaceutics during the cademic session 2022-2023.

HEAD OF DEPARTMENT

Head
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
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