Vidarbha Youth Welfare Society's INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

Borgaon (Meghe), Wardha (M.S.)

List of students undertaking project work

Academic year 2023-24

M. Pharm II (Pharmaceutics)

Sr. No.	Title	Name of student	Page No.
01	FORMULATION AND EVALUATION OF POLYSACCHARIDES BASED TOPICAL HYDROGEL	MS. A. G. BHOYAR	01
02	FORMULATION, OPTIMIZATION AND EVALUATIONOF NANOSUSPENSION LOADED MICRONEEDLE TRANSDERMAL PACH OFHESPERIDIN	MS. A. S. CHAVAN	02
03	GRAPHENE OXIDE AS A NANOCARRIER FOR THE SUSTAINED RELEASE OF ANTI-CANCER BIOMOLECULE	MS. A. V. SANAP	03
04	DEVELOPMENT & EVALUATION OF CORE AND SHELL NANOPARTICALES FOR TARGETED COLORECTAL CANCER DELIVERY	MS. C. K. DHONE	04
05	FORMULATION, OPTIMIZATION & EVALUATION OF NANOSUSPENTION LOADED MICRONEEDLE TRANSDERMAL PATCH OF QUERCETIN	MS. C. H. CHAUDHARI	05
06	FUNCTIONALIZED GRAPHENE OXIDE AS A CARRIER FOR THE DRUG DELIVERY OF AN ANTICANCER BIOMOLECULE	MS. K. M. YERNE	06
07	POLYMER FUNCTIONALIZED GRAPHENE OXIDE NANOCARRIER SYSTEM AS A POTENTIAL THERAPEUTIC STRATEGY IN CANCER THERAPY	MS. P. G. CHAUDHARI	07
08	FORMULATION & EVALUATION OF GASTRORETENTIVE SUSTAINED RELEASE MICROSPHERES	MS. R. Y. BARUDWALE	08
09	DEVELOPMENT & EVALUATION OF HOLLOW/POROUS FLOUTING MULTIPARTICULATE DRUG DELIVERY SYSTEM OF AN ANTI-HYPERTENSIVE DRUG	MS. S. S. BHAMBURKAR	09
10	FORMULATION & EVALUATION OF TOPICAL MICROSPONGES	MS. S. V. BHAGAT	10
11	DEVELOPMENT OF HERBAL NANOEMULGEL FOR THE TRETMENT OF DIABETIC FOOT WOUND	MS. S. S. JARONDE	11

12	FORMULATION & EVALUATION OF HERBAL ETHOSOMES FOR ANTI-RHEUMATIC ACTIVITY	MS. V. G. BAHE	12
13	DEVELOPMENT OF ALBUMIN COATET HERBAL EXTRACT LOADED NANOCARRIER FOR TARGETED COLON CANCER DELIVERY	MR. A. P. SUTARKAR	13
14	FORMULATION, EVALUATION AND OPTIMIZATION OF NANOSUSPENSION LOADED MICRINEEDL TRANSDERMAL PATCH OF DOCLOFENAC AND TERIFLUNOMIDE	MR. A. H. KUMBHEKAR	14
15	DESIGN, DEVELOPMENT & EVALUATION OF PULSATILE ANTIHYPERTENSIVE DRUG BASED ON SELF - EMULSIFYING DRUG DELIVERY SYSTEM	MR. G. P. BAHURUPI	15
16	DESIGN, DEVELOPMENT AND IN-VITRO EVALUATION OF UNFOLDINGTYPE GASTRO RETENTIVE BILAYER FILMS OF AN ANTIHYPRTENSIVE DRUG	MR. R. G. WANKHEDE	16



(Dr. R. O. Ganjiwale)

Principal PRINCIPAD Institute of Pharmacertical Education & Sessarah Borgmon (Meghe), Wardha

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Formulation and Evaluation of Polysaccharides Based Topical Hydrogel", submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Alka G. Bhoyar under the guidance and supervision of Dr. J. S. Hadke, Associate Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

J. ware

Dr. R. O. Ganjiwale

PRINCIPAL •Settute of Pharmaceutical Education & Research, Borgeon (Megbo), Wardha,

1. In the head that

Place: Wardha

Dateg 1 MAY 2024

CERTIFICATE

A GALLANTE

This is to certify that the investigation described in this dissertation entitled **"FORMULATION, OPTIMIZATION AND EVALUATION OF NANOSUSPENSION LOADED MICRONEEDLE TRANSDERMAL PATCH OF HESPERIDIN"**, submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Anuja S. Chavan under the guidance and supervision of Mr. S. P. Dewani, Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

Dé voile.

Dr. R. O. Ganjiwale

Principal PRINCIPAL Settitute of Pharmacautical Education & Emon Borgaon (Meghe), Wardan

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "GRAPHENE OXIDE AS A NANOCARRIER FOR THE SUSTAINED RELEASE OF ANTI-CANCER BIOMOLECULE," submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Ashwini V. Sanap under the guidance and supervision of Mr. A. J. Deshmukh, Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha Date3 1 MAY 2024

36 wase Dr. R. O. Ganiiwale

Principal PRINCIPAL Putitute of Pharmaceutical Education & Research Borgaon (Meghe), Wardha.

DR. R. O. GANJIWALE, M.Pharm., PhD. Principal,

Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha- 442 001.

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Development and Evaluation of Core and Shell Nanoparticles for Targeted Colorectal Cancer Delivery" Submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the Faculty of Science and Technology, R.T.M. Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha, by Ms. Chetna K. Dhone under the guidance and supervision of Dr. Shagufta A. Khan, Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

egopale. Dr. R. O. GANJIWALE

Principal PRINCIPAL Metitute of Pharmacoutical Education & Roscarol Borgeon (Meghe), Wordha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "FORMULATION, OPTIMIZATION AND EVALUATION OF NANOSUSPENSION LOADED MICRONEEDLE TRANSDERMAL PATCH OF QUERCETIN" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics during the academic year 2023-24, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha, by Ms. Chitrangani H. Chaudhari under the guidance and supervision of Mr. Sunil P. Dewani Assistant Professor. Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

20' Da

Dr. R. O. Ganjiwale

PRINCIPAL Metitute of Phermaceutical Education & Research Borgaon (Megho), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "FUNCTIONALIZED GRAPHENE OXIDE AS A CARRIER FOR THE DRUG DELIVERY OF AN ANTICANCER BIOMOLECULE" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the Faculty of Science and Technology, R. T. M. Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Kiran M. Yerne under the guidance and supervision of Mr. Abhiram J. Deshmukh, Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

sware Dr. R. O. Ganjiwale

Principal PRINCIPAL Stitute of Pharmaceutical Education & Reserved Borgeon (Meghe), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "POLYMER FUNCTIONALIZED GRAPHENE OXIDE NANOCARRIER SYSTEM AS A POTENTIAL THERAPEUTIC STRATEGY IN CANCER THERAPY" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the Faculty of Science and Technology, R. T. M. Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Purwali G. Chaudhari under the guidance and supervision of Mr. Abhiram J. Deshmukh, Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAI 2024

-parle

Dr. R. O. Ganjiwale

7

Principal PRINCIPAL Betitute of Phermacoutical Education & Boom Borgaon (Meghe), Wardha.

CERTIFICATE

This is to certify that the investigation described in this dissertation "Formulation and Evaluation of Gastroretentive Sustained Release Microspheres," submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in Pharmaceutics in the Faculty of Science and technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Rutvika Yogesh Barudwale under guidance and supervision of Dr. J. S. Hadke, Assistant Professor, Institute of Pharmaceutical Education and Research, Wardha.

This dissertation is now ready for examination.

Place: Wardha

1 MAY 2024

Date: 3

Dr. R. O. Ganjiwale

Principal **PRINCIPAL** Situte of Phermecoutical Education & Ba Borgaon (Megho), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Development and Evaluation of Hollow / Porous Floating Multiparticulate Drug Delivery System of an Anti – Hypertensive Drug", submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Samiksha S. Bhamburkar under the guidance and supervision of Dr. D. J. Singhavi, Associate Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha

Date: 30) 5/24 3 1 MAY 2024

Dr. R. O. Ganjiwale

Principal PRINCIPAL titute of Pharmaceutical Education & Research Borgaon (Meghe), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "FORMULATION AND EVALUATION OF TOPICAL MICROSPONGES", submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Sampada V. Bhagat under the guidance and supervision of Dr. J. S. Hadke Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

eleocuro el

Dr. R. O. Ganjiwale

10

PRINCIPAL Detitete of Phermacoutical Education'& Bosconto Borgaon (Magha), Wardba,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "DEVELOPMENT OF HERBAL NANOEMULGEL FOR THE TREATMENT OF DIABETIC FOOT WOUND" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the Faculty of Science and Technology, R. T. M. Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Ms. Shraddha S. Jaronde under the guidance and supervision of Dr. Shagufta A. Khan, Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MAY 2024

Jo vole

Dr. R. O. Ganjiwale

Borgaon (Meghe), Wardha.

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "FORMULATION AND EVALUATION OF HERBAL ETHOSOMES FOR ANTI-RHEUMATIC ACTIVITY" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics during the academic year 2023-24, in the faculty of Science and Technology, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha, by Ms. Vaishnavi G. Bahe under the guidance and supervision of Dr. Shagufta A. Khan Professor. Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 1 MIAI 2024

2: Dale

Dr. R. O. Ganjiwale PRINCIPAL Getitate of Pharmacoutical Education & Reserved Borgaon (Megho), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Development of Albumin Coated Herbal Extract Loaded Nanocarrier for Targeted Colon Cancer Delivery" submitted in partial fulfillment of the requirement for the degree of Master of Pharmacy in Pharmaceutics, in the Faculty of Science and Technology, R.T.M. Nagpur University, Nagpur were carried out in the laboratories of the Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha, by Mr. Aman P. Sutarkar under the guidance and supervision of Dr. Shagufta A. Khan, Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

The dissertation is now ready for examination.

Place: Wardha Date: 3 | !"In I LULT

- wale

Dr. R. O. GANJIWALE Principal PRINCIPAL Metitate of Pharmacoutical Education & Research Borgaon (Megho), Worddo.

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "FORMULATION, EVALUATION AND OPTIMIZATION OF NANOSUSPENSION LOADED MICRONEEDLE TRANSDERMAL PATCH OF DICLOFENAC AND TERIFLUNOMIDE," submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Mr. Aniket H. Kumbhekar under the guidance and supervision of Mr. S. P. Dewani, Assistant Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha

1 MAY 2024

Date: 3

25 wale

Dr. R. O. Ganjiwale

Principal PRINCIPAL Matitute of Pharmaceutical Education & Ba Borgaon (Meghe), Wardha.

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Design, Development and Evaluation of Pulsatile Drug Delivery System of a Poorly Water Soluble Antihypertensive Drug Based on Self-Emulsifying Drug Delivery System", submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Mr. Gaurav P. Bahurupi under the guidance and supervision of Dr. D. J. Singhavi, Associate Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha

Date: 3 1 MAY 2024

2000 Dorse.

Dr. R. O. Ganjiwale

Principal PRINCIPAL Metitute of Pharmaceutical Education & Resource Borgson (Meghe), Wardha,

CERTIFICATE

This is to certify that the investigation described in this dissertation entitled "Design, Development and In-vitro Evaluation of Unfolding Type Gastroretentive Bilayer Films of an Antihypertensive Drug", submitted in partial fulfillment of the requirement for the Degree of Master of Pharmacy in pharmaceutics, in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur were carried out in the laboratories of Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha by Mr. Rushikesh G. Wankhade under the guidance and supervision of Dr. D. J. Singhavi, Associate Professor, Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha.

This dissertation is now ready for examination.

Place: Wardha

Date: 3 1 MAY 2024

Dr. R. O. Ganjiwale

Principal PRINCIPAL Weijtate of Pharmacoutisal Education & Espearch Borgnon (Megbo), Wardan,