MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY (valid from 2018-2019)

Course of study for M. Pharm. III Semester

Common for all specialisations

Sr.No.	Course Code Course	Course	Contact Hours			Credit Points
			L	Project	Full Marks	
3	MPT-391	Discussion / Presentation (Proposal		2	100	2
4	MPT-392	Research Work		28	100	14
	area area		SESSI	ONAL*		
1.	MPT-384	Research Methodology and Biostatistics*	4		100	4
2	MPT-381	Journal club		1	100	1
	Total		4	31		21

*Non University Exam

Prof. (Dr.) Samir Kumar Samanta M. Pharm., Ph.D (J.U.) Principal Dr. B. C. Roy College of Pharmacy & AHS Durgapur, West Bengal-713206

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

Syllabus of M. Pharm. IV Semester

(Effective for 2018-2019 Admission Session)

Course of study for M. Pharm. IV Semester (Common for All Specializations)

Sr. Course		Course Name		Contact Hours		Full	Credit points
Sr.	Code	Course	L	T	P	Marks	
No. 1	MPT-491	Discussion/Final Presentation			3	100	3
2	MPT-492	Research Work			31	100	16
		Sessional			1	100	1
3	MPT-481	Journal Club			1	100	
4	MPT-482	Co-curricular Activities					3
		Participation in National Level					
		seminar/Conference/Workshop/					
		Symposium/Training Programs					
		(related to the specialization of the					
		student).					
		Participation in International Level					
		seminar/Conference/Workshop/					
		Symposium/Training Programs					
		(related to the specialization of the					
		student).					
		Academic Award/research Award					
		from State Level/National Agencies.					
		Academic Award/research Award					
		from International Agencies.					
		Research/Review Publication in					
		National Journals (Indexed in					
		Scopus/Web of Science).					
	W. P. Barre	Research/Review Publication in					
		International Journals (Indexed in Scopus/Web of Science).					
		Total		35			23



Prof. (Dr.) Samir Kumar Samanta M. Pharm., Ph.D (J.U.) Principal Dr. B. C. Roy College of Pharmacy & AHS Durgapur, West Bengal-713206

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

Syllabus of M. Pharm. IV Semester

(Effective for 2018-2019 Admission Session)

SEMESTER	Credit Points		
	26		
II	26		
111	21		
IV	23		
Total	96		

Guidelines for Awarding Credit Points for Co-curricular Activities (One 1 Credit & One 2 Credit Course to be chosen)

Name of the Activity	Maximum Credit Points
	Eligible / Activity
Participation in National Level Seminar / Conference/ Workshop/ Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02

Note: International Conference: Held Outside India

International Journal: The Editorial Board outside India

Ourgapur &

Prof. (Dr.) Samir Kumar Samanta M. Pharm., Ph.D (J.U.) Principal

Dr. B. C. Roy College of Pharmacy & AHS Durgapur, West Bengal-713206





A Project Report on

Formulation Development Study of Oral Wafers of A Model Antidepressant Drug

Submitted by

MD MUSTAKIM MALLICK

University Regn. No. – 211892320310001 of 2021-23 Roll No. - 18920321001

Under the guidance of

Prof. (Dr). Subhabrata Ray

PG studies & Research Dr. B.C. Roy College of Pharmacy & AHS

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology
West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
Durgapur 713206Academic Year: 2022 2020



Prof. (Dr.) Samir Namo (J.D.)
Prof. (Dr.) Samir Ph. O (J.D.)
Principal
Princ

I am hereby declared that the Project entitled "Formulation Development Study of Oral Wafers of A Model Antidepressant Drug" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of Prof. (Dr.) Subhabrata Ray.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Md. Nustakim mallick

Signature

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3

Name of Candidate: Md. Lustakin Mallick

Roll No: 1892032 1001

Date: 24 \05/23

Place: Durgapur



This is to certify that the Project entitled "Formulation Development Study of Oral Wafers of A Model Antidepressant Drug" by Md Mustakim Mallick in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither his/her thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

NA

Signature of Co-Guide

Signature of Guide

Name of Guide: Proof. (Dr.) Subhabroata Ray Name of Co-Guide: NA

Date: NA

Date: 24/5/23

Place: NA

Place: Dugabur

PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

Place: Durgapur

Signature

Name of External Examiner:

Date:

Place:



Dr. Kajar Carasar





A Project Report on PREPARATION AND EVALUATION OF NICOTINAMIDE AND CIPROFLOXACIN HYDROCHLORIDE LOADED FILMS FOR BURN WOUND

Submitted by

University Regn. No. -211892320310002

Roll No. -18920321002

Under the guidance of MR. SAPTARSHI DUTTA

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

MaulanaAbulKalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022-2023



l hereby declare that the Project entitled "Preparation and evaluation of nicotinamide and ciprofloxacin hydrochloride loaded films for burn wound" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out Mx. by me under the guidance of Saptarshi Dutta.

.The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Abhishek Monity
Signature

Name of Candidate: Abhishek Maily

Roll No: 18920321002

Date: 22.05.23 .

Place: Durgabur.



brol' bushing his brokes sing

This is to certify that the Project entitled "Preparation and evaluation of nicotinamide and ciprofloxacin hydrochloride loaded films for burn wound" by Abhishek Maity in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Signature of Guide

Name of Guide:

Date:

PROF (DR.) Samir Kumar Samanta

(PRINCIPAL)

Date:

Place:

Signature

Name of External Examiner: Dr. Kayal Ollosal

Date

Place:







A

Project Report on

EXTRACTION AND EVALUATION OF TAMARIND GUM AS A NATURAL SUSPENDING AGENT

Submitted by
SAMIM KAZI
University Regn. No. -211892320310003 OF 2021-22
Roll No. -18920321003

Under the guidance of
MISS SANCHAREE MONDAL
ASSISTANT PROFESSOR
&
PROF (DR.) SUMAN ROY

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology

West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 – 2023

Durgapur S

I hereby declare that the Project entitled "EXTRACTION AND EVALUATION OF TAMARIND GUM AS A NATURAL SUSPENDING AGENT" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of MISS SANCHAREE MONDAL And PROF (DR.) SUMAN ROY.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Samire Kazi

Roll No: 189203 2100 3

Date: 22-05-2023

Place: Durgapur.



This is to certify that the Project entitled "Extraction and evaluation of Tamarind gum as a natural suspending agent" by Samim Kazi in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

		,
Signature	of	Guide

Name of Guide: Lancharu Konwa.

Date:

22/5/23

Place:

PROF (DR.) SAMIR KUMAR SAMANTA (PRINCIPAL)

10, 26 (5/23

Date

Place:

Signature

Name of External Examiner: DR. Kajal Glusal

Date:

Place:







A Project Report on

FORMULATION AND CHARACTERIZATION OF SODIUM ALGINATE/FERULIC ACID CONJUGATED FILMS FOR WOUND HEALING APPLICATIONS

Submitted by

ROUNAK BHATTACHARYA University Regn. No. – 211892320310004 Roll No. - 18920321004

Under the guidance of
Mr. SAPTARSHI DUTTA
Assistant Professor

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 - 2023



brot Or Broad West Bergy 13500

I am hereby declared that the Project entitled "Formulation and characterization of sodium alginate/ferulic acid conjugated films for wound healing applications" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of Mr. Saptarshi Dutta.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Rounay Bhattacharya

Name of Candidate: ROUNAK BHATTACHARYA

Roll No: 18920321004

Date: 22/05/2023

Place: Durgapur







A Project Report on

Prediction and Implementation of Computational Simulation Approach on Enhancement of Solubility and Dissolution of Telmisartan by Cocrystallization Technique

Submitted by

DEBJOTY PAUL

University Regn. No. – 211892320310005 Roll No. - 18920321005

Under the guidance of

PROF. (DR.) SANTANU CHAKRABORTY

M. Pharm., Ph. D., F.I.C.

Professor

Divisional In-charge, Pharmaceutics

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 - 2023

I hereby declare that the Project entitled "Prediction and Implementation of Computational Simulation Approach on Enhancement of Solubility and Dissolution of Telmisartan by Cocrystallization Technique" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of Prof. (Dr.) Santanu Chakraborty.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

DebJoty Paul

Signature

Name of Candidate: Debjoty Paul

Roll No: 18920321005

Date: 23/05/2023

Place: Durgopur.

Prof. ID. P. Samino Company of Service of Se

This is to certify that the Project entitled "Prediction and Implementation of Computational Simulation Approach on Enhancement of Solubility and Dissolution of Telmisartan by Cocrystallization Technique" by Debjoty Paul in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Samlanin	Chalizationy	- 100/23
Signature of G	uide	J3 103 -

Name of Guide: Prof. (Dr.) Santanu Chakraborty
Prof. (Dr.) Santanu Chakraborty

Date: M. Pharm., Ph.D., FIC

DIC, Pharmaceutics Division

Dr. B. C. Roy College of Pharmacy and AHS Bidhannagar, Durgapur-713206

PROF (DR.) SAMIR KR. SAMANTA (PRINCIPAL)

Date:

Place:

Place:

Ontasbar Mest Bed 33.41350e

Signature

Kg 26/5/2023 Name of External Examiner: Dr. Kayal Collosol.

Date:

Place:



A THESIS

On

"FORMULATION AND CHARACTERIZATION OF ELLAGIC ACID LOADED COPPER NANOPARTICLES"

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

Master of Pharmaceutical Technology

(PHARMACEUTICS)

by

ARNAB CHATTERJEE

2nd Year 4thSemester

University Reg. No.- 211892320310006 of 2021-2023, Roll No.- 18920321006

Under the guidance of

Mrs. Rituparna Chaki Ghosh

(Assistant Professor, Department of Pharmaceutics)

DR. B. C. ROY COLLEGE OF PHARMACY AND ALLIED HEALTH SCIENCES,
DURGAPUR -713206



AFFILIATED TO MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, BENGAL





Prof. (P. Talhir Kumar Samanta Prof. (P. Talhir Kumar Samanta M. Pharm. Ph.D (J.U.) Principal Principal Dr.B. C. Roy College of Pharmacy & AHS Dr.B. C. Roy College of Pharmacy & AHS Durgapur, West Bengal-713206

This is to certify that the dissertation entitled "FORMULATION AND CHARCTERIZATION OF ELLAGIC ACID LOADED COPPER NANOPARTICLES" in partial fulfilment for the award of the degree M.pharm(Pharmaceutics) submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bonafide research work carried out by me under the supervision of Mrs. Rituparna Chaki Ghosh. The matter embodied in this Dissertation has not been submitted for the award of any other degree or diploma to any university/Institution.

Annal Chatteryee
ARNAB CHATTERJEE

Roll No-18920321006

Date- 26 /05/2023



Prof. (Dr.) Sample Prof. (Dr.) Sample Principal Principal Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

This is to certify that the Thesis entitled "FORMULATION AND CHARACTERIZATION OF ELLAGIC ACID LOADED COPPER NANOPARTICLES" in partial fulfilment for the award of Degree of Master Of Pharmacy (Pharmaceutics) submitted to Maulana Abul Kalam Azad University Of Technology, West Bengal, is an authentic record of bona fide research work carried out by Arnab Chatterjee, Roll No.-18920321006 under our guidance.

Mrs.Rituparna Chaki Ghosh

(Project guide)

Date: 22 105/23

Samir kumar Samanta

(Principal)

Date:

External Examiner: Dr. Kayal Glusal.

Date:





University Regn. No. -211892320310007 Roll No. -18920321007

Under the guidance of

DR. HRIDAY BERA (Guide)

Associate Professor, BCRCP.

&

DR. SOUVIK BASAK (Co-guide)

Associate Professor, BCRCP.

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences Durgapur 713206

Academic Year: 2022 - 2023

Durgapur, West Bengal-713206







A

Project Report on

"Synthesis of coumeric acid/pullulan conjugates, their nanoformulations and biological properties"

Submitted by

SUVENDU MAITY

University Regn. No. -211892320310007

Roll No. -18920321007

Under the guidance of

DR. HRIDAY BERA (Guide)

Associate Professor, BCRCP.

&

DR. SOUVIK BASAK (Co-guide)

Associate Professor, BCRCP.

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
Durgapur 713206

Academic Year: 2022 - 2023



I am hereby declared that the Project entitled "Synthesis of coumeric acid/pullulan conjugates, their nanoformulations and biological properties" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of DR. Hriday Bera.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Signature Maity

Name of Candidate: Suvendu Maity

RollNo:18920321007

Date: 22.05.23

Place:Durgapur

This is to certify that the Project entitled "Synthesis of coumeric acid/pullulan conjugates, their nanoformulations and biological properties" by suvendu maity in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither his/her thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Signature of Guide

Name of Guide: Dr. Hriday bera

Date: 22.05.23

Place: Durgapur

ÁMIR KR. SAMANTA

(PRINCIPAL)

Date: 22.05.23

Signature
Name of External Examiner: Dr. Kayal, Culusal,
Date: 22.05.23

Place: Durgapur



Ensir Burn

Name of Co-Guide: Dr. Souvik basak

Signature of Co-Guide

Date: 22.05.23

Place: Durgapur





A Project Report on

DESIGN, DEVELOPMENT AND CHARACTERISATION OF ALGINO-FENUGREEK MUCOADHESIVE MICROSPHERES OF MODEL ANTI-HYPERTENSIVE DRUG

Submitted by

SANTANA MUKHOPADHYAY

University Regn. No. – 211892320310008 Roll No. - 18920321008

Under the guidance of DR. MANAMI DHIBAR

M. Pharm, Ph.D.
Assistant Professor
Department of Pharmaceutics

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology
West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 - 2023



l hereby declare that the Project entitled "Design, Development and Characterisation of Algino-Fenugreek Mucoadhesive Microspheres of Model Anti-Hypertensive Drug" in partial fulfillment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of Dr. Manami Dhibar.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Santana Mukhopachyay

SANTANA MUKHOPADHYAY

Roll No: 18920321008

Date: 22.05.2023

Place: Durgapur

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This is to certify that the Project entitled "Design, Development and Characterisation of Algino-Fenugreek Mucoadhesive Microspheres of Model Anti-Hypertensive Drug" by Santana Mukhopadhyay in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Signature of Guide

Dr. Manami Dhibar

Date: 22.05. 2023

Manaoni Dhikan

Place: Durgapur

Prof. (Dr.) Samir Kr. Samanta

(PRINCIPAL)

Place: Durgapur

of External Examiner: DR. Kayal Othosal.

Place: Durgapur









A Project Report on

Fabrication and Characterization of Multiparticulate Drug Delivery System of Aceclofenac using *Dillenia* indica Mucilage

Submitted by

MADHURIMA KOTAL

University Regn. No. – 211892320310009 Roll No. - 18920321009

Under the guidance of PROF. (DR.) SANTANU CHAKRABORTY

M. Pharm., Ph. D., F.I.C.

Professor

Divisional In-charge, Pharmaceutics

&

PROF. (DR.) SUBRATA CHAKRABORTY

M. Pharm., Ph.D., F.I.C. Director

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology
West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
Durgapur 713206

Academic Year: 2022 - 2023



I bereby declare that the Project entitled "Fabrication and Characterization of Multiparticulate Drug Delivery System of Aceclofenac using Dillenia indica Mucilage" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the joint guidance of Prof. (Dr.) Subrata Chakraborty.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Madhumima Kotai.

Signature

Name of Candidate: Madhurima Kotal

Bull No. 18920321009

Danc 23/05/2023

Place Sungapun



bigingstown of the street of t

This is to certify that the Project entitled "Fabrication and Characterization of Machineric Drug Delivery System of Aceclofenac using Dillenia indica "by Madhurima Kotal in partial fulfilment for the MASTER OF PHARMACY PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to section. To our knowledge, neither this thesis nor any part of it has been submitted to controller of MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY

Junes

Signature of Co-Guide

Prof. (Dr.) Subrata Chakraborty

Date: 23/5/2023
Place: Dugatur,

Name of Co-Guide:

Santoni	Chal	rabush	i3 /5)23
Samutane of G		4	~ /

Name of Guide:

Pool. (Dr.) Sand (Dr.) Sald (Dr.)

DNC, Plantamentatics Division
Dr. S. C. Roy Callege of Pharmacy and ABS
Submanager, Durgopur-713206

PRINCIPAL)

De 26/15/23

Exeminer. Dr. Kajal Glusd.

br. Br. C. Bot Software Consults & VAR

Durgepur 0





A

Project report on

PREPARATION AND EVALUATION OF NICOTINAMIDE AND OFLOXACIN LOADED FILMS FOR WOUND HEALING

Submitted by

SAYAN KUNDU

UNIVERSITY REGISTRATION NO.-211892320310010

ROLL.NO. -18920321010

Under the joint guidance of

Prof (Dr.) Subhabrata Ray

PG In-Charge and Professor

Mr. Saptarshi Dutta

Assistant professor

In partial fulfilment of the Requirement for the Degree of

Master of Pharmacy in Pharmaceutics

Submitted to

MaulanaAbulKalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 - 2023 Ray College Bengal

I hereby declare that the Project entitled "Preparation and Evaluation of Nicotinamide and Ofloxacin loaded Films for Burn WoundHealing"in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to MaulanaAbulKalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of DR. subhabrata ray and Mr Saptarshi Dutta.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Sayon Kundu Signature

Name of Candidate: SAYAN KUNDU

Roll No: 18920321010

Date: 22/05/2023
Place: Durgobuz



Roy College of Pharmacy & AHS Durgspur, West Bengal-713206

This is to certify that the Project entitled "Preparation and Evaluation of Nicotinamide and Ofloxacin loaded Films for Burn Wound Healing"by Sayan Kundu in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL L'Alamolu Dura KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Name of Guide: Prof. (Dr.) Subhabrada Ray Name of Co-Guide: Mrr. Soptarsh: Dutto
Date: 22/05/2023

Date: 02/05/2023

Place: Durgapuz

PROF (DR.) SAMIR KR. SAMANTA (PRINCIPAL)

Date:

Place:

Kg 26/5/23 Name of External Examiner: Dr. Kajal Gillosal

Date:

Place







Α

Project Report on

FERULIC ACID-g-TAMARIND GUM/GUAR GUM BASED IN SITU GEL FORMING POWDERS AS WOUND DRESSINGS

Submitted by

SUMAN BARAI

University Regn. No. – 211892320310011 Roll No. – 18920321011

Under the guidance of **Dr. Hriday Bera**Associate Professor

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology

West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
Durgapur 713206

Academic Year: 2022-2023

l hereby declare that the Project entitled "FERULIC ACID-g-TAMARIND GUM/GUAR GUM BASED IN SITU GEL FORMING POWDERS AS WOUND DRESSINGS" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of DR. HRIDAY BERA.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Signature Bora

Name of the Candidate

Roll No. 18920321011

Date: 22-05-2023

Place: Durgapur



This is to certify that the Project entitled "FERULIC ACID-g-TAMARIND GUM/GUAR GUM BASED IN SITU GEL FORMING POWDERS AS WOUND DRESSINGS" by Suman Barai in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Signature of Guide

Name of Guide DR. HRIDAY BERA

22.05.2023 Date:

Durgapur, W.B. Place:

NA

Signature of Co-Guide

Name of Co-Guide

Date:

Place:

PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

Place:

Signature

Name of External Examiner Dr. Kajal

Date:

Place:







SYNTHESIS OF CAFFEIC ACID-g-XANTHAN GUM BASED HYDROGELS AND CHARACTERIZATION OF THEIR ANTIOXIDANT AND SOL GEL TRANSITION PROPERTIES

Submitted by

ANIK LAYEK

University Reg. No. - 211892320310012 Roll No. - 18920321012

Under the joint guidance of

DR. HRIDAY BERA (ASSOCIATE PROFESSOR)

&

Dr. PARTHASARATHI PANDA (ASSISTANT PROFESSOR)

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology
West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur, 713206

Academic Year: 2022 - 2023



I hereby declare that the Project entitled "Synthesis of Caffeic acid-g-Xanthan gumbased hydrogels and characterization of their antioxidant and sol gel transition properties" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me, under the guidance of Dr. Hriday Bera and Co-guidance under Dr. Parthasarathi Panda.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Signature

Name of Candidate: Anik Layek

Roll no: 18920321012

Date: 22/05/2023

Place: Durgapur





This is to certify that the Project entitled "Synthesis of Caffeic acid-g-Xanthan gumbased hydrogels and characterization of their antioxidant and sol gel transition properties" by Anik Layek in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Signature of Guide

Name of Guide: Dr. Hriday Bera

Date:

Place: Durgapur

PROF (DR.) SAMIR KUMAR SAMANTA

(PRINCIPAL)

Date:

Place: Durgapur

Signature

Name of External Examiner: Dr. Kayal Collosel

Date:

Place: Durgapur

Signature of Co-Guide

Date: 2215/202 9

Place: Durgapur

Name of Co-Guide: Dr. Parthasarathi Panda



A Project Report on



DESIGN, DEVELOPMENT AND PHYSICO-CHEMICAL CHARACTERIZATION OF VALSARTAN COCRYSTALS

Submitted by BISHAL SARKAR

University Regn. No. -211892320310013 OF 2021-22 Roll No. -18920321013

Under the joint guidance of
Prof. (Dr.) Santanu Chakraborty
M. Pharm., Ph.D., FIC
Professor
Divisional In-charge, Pharmaceutics

Dr. Manami Dhibar

M. Pharm., Ph.D.
Assistant Professor

Department of Pharmaceutics

In partial fulfilment of the Requirement for the Degree of

Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology
West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 – 2023

Chemical Characterization of Valsartan Cocrystals" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the joint-guidance of Prof. (Dr.) Santanu Chakraborty, Professor, Divisional In-charge, Pharmaceutics, Dr. B. C. Roy College of Pharmacy and AHS, Durgapur and Dr. Manami Dhibar, Assistant Professor, P.G Department of Pharmaceutics, Dr. B. C. Roy College of Pharmacy and AHS, Durgapur.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Bishal S

Sankan

Signature

BISHAL SARKAR

Roll No: 18920321013

Date: 22/05/23

Place: Durgapur





This is to certify that the Project entitled "Design, Development and Physico-Chemical Characterization of Valsartan Cocrystals" by Bishal Sarkar in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

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Signature of Guide

PROF. (DR.) SANTANU CHAKRABORTY

Professor, Divisional Profia(De.) ISantante Chakraborty M. Pharm., Ph.D., FIC

Date:

DIC, Pharmaceutics Division Dr. B. C. Roy College of Pharmacy and AHS Bidhannagar, Durgapur-713206

Place: Durgapur

PROF. (DR.) SAMIR KR. SAMANTA

(Principal)

Dute:

Place: Durgapur

Senature
Name of External Examiner: Dr. Kajal Gilusal

Date:

Place: Durgapur



Manami Duibanjoshor3 Signature of Co-Guide

DR. MANAMI DHIBAR

Assistant Professor

Date:

Place: Durgapur





Α

Project Report on

FORMULATION DEVELOPMENT OF SILVER NANOCARRIERS OF NARINGIN

Submitted by

SHAH ALAM

University Regn. No. -211892320310014 Roll No. -18920321014

Under the guidance of

Mrs. RITUPARNA CHAKI GHOSH

(Assistant Professor, Department of Pharmaceutics)

&

Dr. SOUVIK BASAK

(Associate Professor, Department of Chemistry)

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics / Pharmacology

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
Durgapur 713206

Academic Year: 2022 - 2023

I am hereby declared that the Project entitled "Formulation Development of Silver Nanocarriers Of Naringin" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the guidance of Mrs. Rituparna Chaki Ghosh & Dr. Souvik Basak.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Shah Alam

Signature

Name of Candidate: SHAH ALAM

Roll No: 18920321014

Date: 22/05/2023

Place: DURJOUPUR



Prof. (Or.) Sam: Kunai Samaka Prof. (Or.) Sam: Pro O (J. U.) Pharm. Pro O (J. U.) Prof. (Or.) Sam: Prof. (Or.

This is to certify that the Project entitled "Formulation Development of Silver Nanocarriers of Naringin" by Shah Alam in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither his/her thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

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Signature of Guide

Name of Guide: Ritupas na chari Chesh Name of Co-Guide: DS, Souvi K

Date: 22/05/20123

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Signature of Co-Guide

Place: Durgopu

PROF OR SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

Place:

Signature

Name of External Examiner: Dr. Kyal Gussal

Date:

Place:







A Project Report on

SYNTHESIS OF OXIDIZED STERCULIA GUM/COUMARIC ACID-g-GELATIN BASED SPONGES AND EVALUATION OF THEIR WOUND HEALING POTENTIALS

Submitted by

MANONAYAN SINGHA

University Regn. No. – 211892320310015 Roll No. – 18920321015

Under the joint guidance of

PROF. (DR.) SUBHABRATA RAY

Professor-in-Charge (PG Studies & Research), BCRCP

DR. HRIDAY BERA

Associate Professor, BCRCP

In partial fulfilment of the Requirement for the Degree of Master of Pharmacy in Pharmaceutics

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences

Durgapur 713206

Academic Year: 2022 - 2023

I hereby declare that the Project entitled "SYNTHESIS OF OXIDIZED STERCULIA GUM/COUMARIC ACID-g-GELATIN BASED SPONGES AND EVALUATION OF THEIR WOUND HEALING POTENTIALS" in partial fulfilment of the requirement for the award of Master of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by me under the joint guidance of PROF. (DR.) SUBHABRATA RAY and DR. HRIDAY BERA.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Manonayan Singha

Signature

Name of Candidate: MANONAYAN SINGHA

Roll No: 18920321015

Date: 22.05, 2023

Place: Durgapur - 06.

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Prof. [Dr.] Sam? Nost Transcription of Pharm. Ph (J. U.)

Dr. B. C. Roy Colleges of Pharmack & AHS

Durgapur, Vicest Transcription of Pharmack & AHS

This is to certify that the Project entitled "SYNTHESIS OF COUMARIC ACID-g-GELATIN/OXIDIZED AND **SPONGES** STERCULIA **GUM BASED** POTENTIALS" by **EVALUATION** OF **HEALING** THEIR **WOUND** MANONAYAN SINGHA in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS) under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither this thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF

TECHNOLOGY for assessment.	
Signature of Guide Name of Guide: PROF. (DR.) SUBHABRATA RAY Date: 1/01/2002 Place: Durgapur-06 PROF (DR.) SAMIR KUMAR SAMANTA	Signature of Co-Guide Name of Co-Guide: DR. HRIDAY BERA Date: 22 Place: Durgapur-06
(PRINCIPAL)	
Date:/	
Place: Durgapur-06	
Signature of External Examiner Name of External Examiner:	Culosed.
Date:/	Prof. (Dr.)
Place: Durgapur-06	Ni.