

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	Contact Hours		Full Marks	Credit Points
			L	Project		
3	MPT-391	Discussion / Presentation (Proposal)		2	100	2
4	MPT-392	Research Work		28	100	14
SESSIONAL*						
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

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. No.	Course Code	Course Name	Contact Hours			Full Marks	Credit points
			L	T	P		
1	MPT-491	Discussion/Final Presentation			3	100	3
2	MPT-492	Research Work			31	100	16
Sessional							
3	MPT-481	Journal Club			1	100	1
4	MPT-482	Co-curricular Activities 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). Research/Review Publication in International Journals (Indexed in Scopus/Web of Science).					3
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

Syllabus of M. Pharm. IV Semester

(Effective for 2018-2019 Admission Session)

SEMESTER	Credit Points
I	26
II	26
III	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




 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,
WEST BENGAL



A
thesis on

**INVESTIGATION OF ANTI-INFLAMMATORY
ACTIVITY OF ANTI-DIABETIC DRUGS ON SWISS
ALBINO MICE**

Submitted by
NEHA SARKAR

University Regn. No. -211892320210015 of 2021-22
Roll No. -18920221001

Under the guidance of
Dr. ANIRUDDHA MUKHERJEE
Assistant Professor,
Department of pharmacology

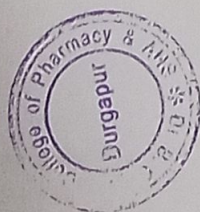
In fulfilment of the Requirement for the Degree of
Master of Pharmacy in Pharmacology

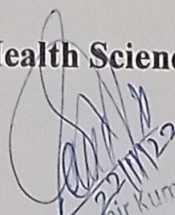
Submitted to
Maulana Abul Kalam Azad University of Technology
West Bengal

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

Durgapur 713206

Academic Year: 2022 – 2023




22/11/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

DECLARATION

I hereby certify that the project "Investigation of anti-inflammatory activity of anti-diabetic drug on Swiss albino mice" submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, in fulfilment of the requirement for the award of Master of Pharmacy, is an authentic record of legitimate work done by me under the supervision of **Dr. Aniruddha Mukherjee**.

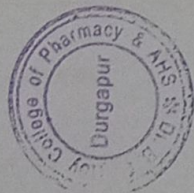
The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Signature *Neha Sarkar*

Name of Candidate: Neha Sarkar

Roll No: 18920221001

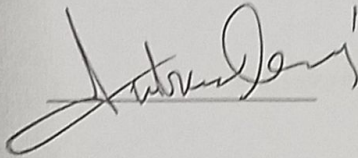
Date: *24/05/28*



[Signature]
Prof. (Dr.) Sarfraz Umar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

CERTIFICATE

This is to certify that the project entitled "Investigation of anti-inflammatory activity of antidiabetic drug on swiss albino mice" by Neha Sarkar in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

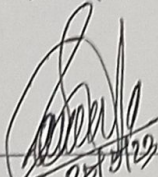


Signature of Guide

Name of Guide: Dr. Aniruddha Mukherjee

Date: 24/5/23

Place: BCRC

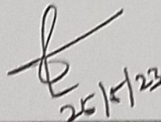


PROF (DR.) Samir KR. Samanta

(PRINCIPAL)

Date:

Place:

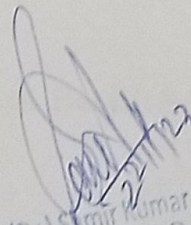
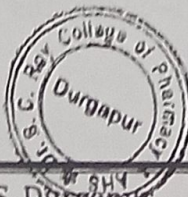


Signature

Name of External Examiner:

Date:

Place:



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 thesis on

**Phytochemical Investigation and Pharmacological
Evaluation of Purified Roots of *Plumbago zeylanica* in
Inflammation**

Submitted by

NANDITA MANDAL

University Regn. No. – 211892320210003 of 2021-22

Roll No. -18920221002

Under the guidance of

Dr. Yadu Nandan Dey

Associate Professor

&

Co-guidance of

Dr. Parthasarathi Panda

Assistant Professor

In fulfillment of the Requirement for the Degree of
Master of Pharmacy in Pharmacology

Submitted to

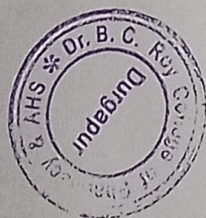
Maulana Abul Kalam Azad University of Technology

West Bengal

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

Durgapur 713206

Academic Year: 2022 – 2023



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

DECLARATION

I hereby declare that the Project entitled “**Phytochemical Investigation and Pharmacological Evaluation of Purified Roots of *Plumbago zeylanica* in Inflammation**” in 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 bonafide work carried out by me under the guidance of **Dr. Yadu Nandan Dey (Guide) & Dr. Parthasarathi Panda (Co-guide)**.

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

Nandita Mandal

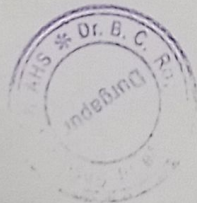
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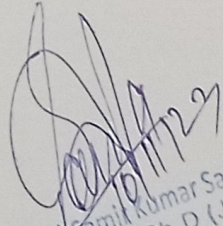
Name of Candidate: Nandita Mandal

Roll No: 18920221002

Date: 24/05/2023

Place: DURGAPUR




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

CERTIFICATE

This is to certify that the Project entitled "Phytochemical Investigation and Pharmacological Evaluation of Purified Roots of *Plumbago zeylanica* in Inflammation" by Nandita Mandal in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

Yadu Nandan Dey

P. Panda

Signature of Guide

Signature of Co-Guide

Name of Guide: Dr. YADU NANDAN DEY

Date: 25-05-2023

Place: Durgapur

PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

Place:

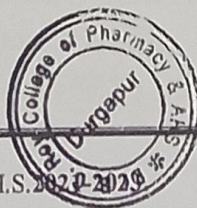
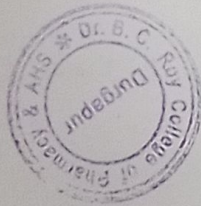
25/5/23

Signature

Name of External Examiner:

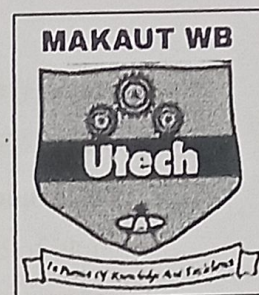
Date:

Place:



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

Dr. B. C. Roy College of Pharmacy and A.H.S. 2023-2026



A project Report on

**IN-VITRO AND IN SILICO STUDIES ON INTERACTION OF
QUINOLONES WITH CALF THYMUS- DNA.**

Submitted by

MR. SOUMYAKANTI CHATTERJEE

Reg. No: 211892320210004 of 2021- 22

Roll No: 18920221003

Under the Guidance of

DR. SAGARIKA DEEPHY TALLAPRAGADA

M. Pharm., Ph.D., Assistant Professor

DEPARTMENT OF PHARMACOLOGY

In fulfilment for the award of the degree of
MASTER OF PHARMACY IN PHARMACOLOGY

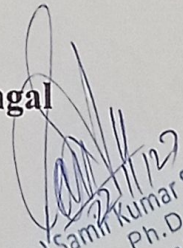
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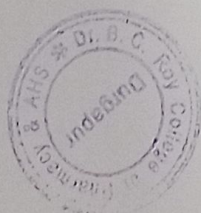
**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,
WEST BENGAL**

**DR. B. C. ROY COLLEGE OF PHARMACY & ALLIED
HEALTH SCIENCES**

DURGAPUR -713206, West Bengal

Academic Year: 2022- 2023


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



DECLARATION

I hereby declare that the Project entitled "*IN-VITRO AND IN SILICO STUDIES ON INTERACTION OF QUINOLONES WITH CALF THYMUS- DNA*" in 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. Sagarika Deepthy Tallapragada**.

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

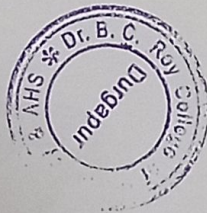
Soumyakanti Chatterjee

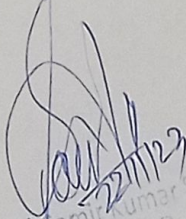
SOUMYAKANTI CHATTERJEE

Roll No: 18920221003.

Date: 22/05/2023

Place: Durgapur




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

CERTIFICATE

This is to certify that the Project entitled "*IN-VITRO AND IN SILICO STUDIES ON INTERACTION OF QUINOLONES WITH CALF THYMUS-DNA*" by MR. SOUMYAKANTI CHATTERJEE in fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

Dr. T. Sagarika Deepthy

DR. SAGARIKA DEEPTHY TALLAPRAGADA

M. Pharm, Ph.D.

Assistant Professor (Dept of Pharmacology)

Date: 22.05.2023

Place: Durgapur.

Dr. Sagarika Deepthy Tallapragada

M. Pharm., Ph.D

Assistant Professor

Department of Pharmacology

Dr. B. C. Roy College of Pharmacy & AHS

Durgapur-713206

[Signature]
22/5/23

.....
PROF (DR.) SAMIR KUMAR SAMANTA

(PRINCIPAL)

Date:

Place:

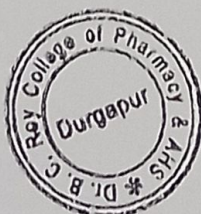
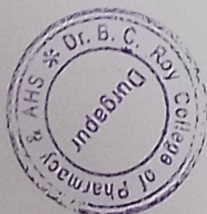
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SIGNATURE OF EXTERNAL EXAMINER

Date:

Place:

[Signature]
22/5/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206





A
Project Report on

Investigations on the Effects of Statins on Mood Disorders in Mice

Submitted by
CHIRANJIT DEY

University Regn. No.-211892320210005 of 2021-23

Roll No.-18920221004

Guide

(Prof.) Dr. Shyamshree S S Manna

In partial fulfilment of the Requirement for the Degree of

Master of Pharmacy in Pharmacology

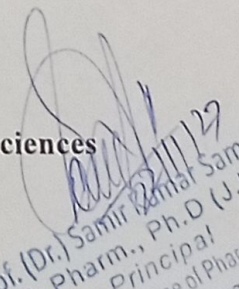
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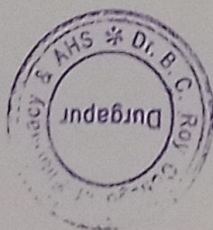
Maulana Abul Kalam Azad University of Technology

West Bengal

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

Academic Year : 2022-2023


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



Declaration

I am hereby declared that the project entitled "Investigations on the Effects of Statins on Mood Disorders in Mice" 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 bonafide work carried out by me under the guidance of Prof (Dr.) Shyamshree S S Manna.

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

Chiranjit Dey.

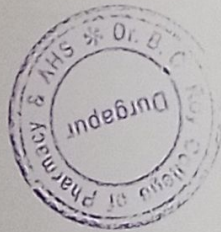
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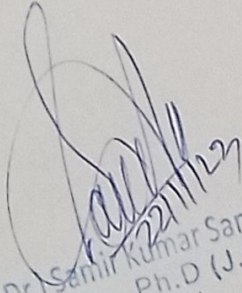
Mr Chiranjit Dey

Roll No: 18920221004

Date: 24/05/2023

Place: Durgapur

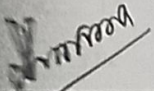



Prof. (Dr.) Sanjit Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

Certificate

This is to certify that the project entitled "*Investigations on the Effects of Statins on Mood Disorders in Mice*" by **Chiranjit Dey** in partial fulfilment for the **MASTER OF PHARMACY (PHARMACOLOGY)** under **MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY**, is a record of original research work under my supervision and up to my satisfaction. To our knowledge, neither his 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.

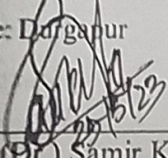


Signature of Guide

Dr Shyamshree S S Manna

Date 24/05/23

Place: Durgapur

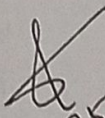


Prof (Dr.) Samir Kr. Samanta

(Principal)

Date:

Place: Durgapur

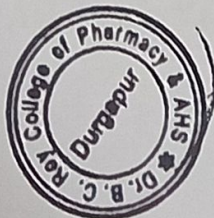
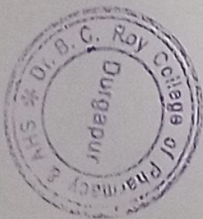

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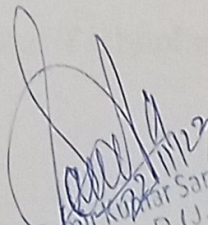
Signature

Name of External Examiner:

Date:

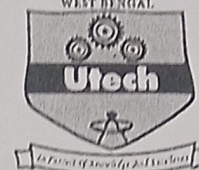
Place:




Prof. (Dr.) Samir Kr. 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,
WEST BENGAL



A Thesis
on

**Evaluation of Aldose Reductase Inhibitory Potential of
Cuscuta reflexa Roxb. in Galactose induced
Cataractogenesis in Wistar Rats**

Submitted by

Poulomi Mishra

University Reg. No. –211892320210007

Roll No. –18920221006

Under the guidance of
MR. SAROJ SINGHMURA

Assistant Professor, Department of Pharmacology

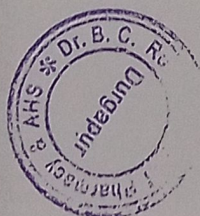
In partial fulfillment of the Requirement for the Degree of
Master of Pharmacy in Pharmacology

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

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



DECLARATION

I hereby declare that the Project "Evaluation of Aldose Reductase Inhibitory Potential of *Cuscuta reflexa* Roxb. in Galactose induced Cataractogenesis in Wistar Rats" in partial fulfillment of requirement for award of Masters of Pharmacy in Pharmacology, 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. Saroj Singhmura (Assistant Professor, Department of Pharmacology).

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

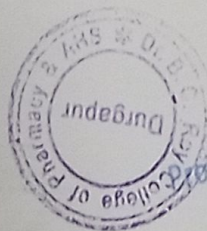
Poulomi Mishra

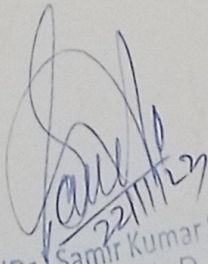
Signature of the candidate

Roll no: 18920221006

Date: 22/05/2023

Place: Durgapur




22/05/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

CERTIFICATE

This is to certify that the Project entitled "Evaluation of Aldose Reductase Inhibitory Potential of *Cuscuta reflexa* Roxb. in Galactose induced Cataractogenesis in Wistar Rats" by Poulomi Mishra in partial fulfillment for the MASTER OF PHARMACY (PHARMACOLOGY) 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: Mr. Saroj Singhmura

Date: 22/05/2023

Place: Durgapur.

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

Date:

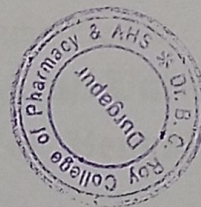
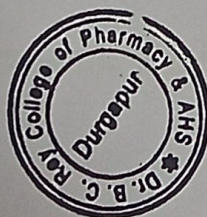
Place:

Signature

Name of External Examiner:

Date:-

Place: -



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

Immobilization of Plastic Degrading Microorganism on Polymeric Nanoparticle for Efficient Plastic Degradation and Toxicity Study of Microorganism on Animal Model

Submitted by

Ranajit Pal

University Reg No.- 211892320210009 of 2021-2022

Roll No.- 18920221008

Under The Joint Guidance of

Dr. Abhik Si

Associate Professor

&

Mr. Sanjoy Koner

Assistant Professor

In partial fulfilment of the Requirement for the Degree of

Master of Pharmacy in Pharmacology

Submitted to

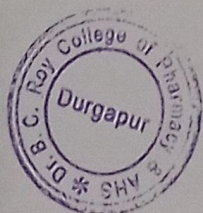
Maulana Abul Kalam Azad University of Technology

West Bengal

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

Durgapur 713206

Academic Year: 2022 - 2023



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

DECLARATION

I hereby declare that the Project entitled “**Immobilization of Plastic Degrading Microorganism on Polymeric Nanoparticle for Efficient Plastic Degradation and Toxicity Study of Microorganism on Animal Study**” 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. Abhik Si and Mr. Sanjoy Koner** .

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

Ranajit Pal

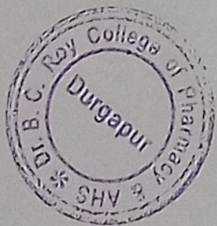
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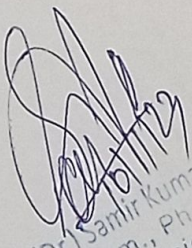
Name of Candidate: RANAJIT PAL

Roll No: 18920221008

Date: 23/3/2023

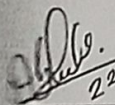
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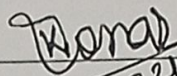



Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

CERTIFICATE

This is to certify that the Project entitled "Immobilization of Plastic Degrading Microorganism on Polymeric Nanoparticle for Efficient Plastic Degradation and Toxicity Study of Microorganism on Animal Study" by Sanjit Pal in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.


22/5/23


22/05/2023

Signature of Guide

Signature of Co-Guide

Name of Guide: Dr. Abhik S.

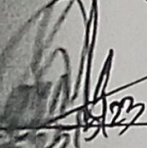
Name of Co-Guide: Mr. Sanjoy Kumar

22.05.23

Date:

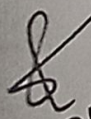
Durgapur.

Place: Durgapur

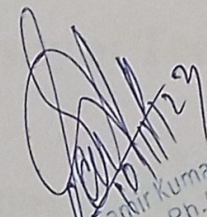

22/5/23

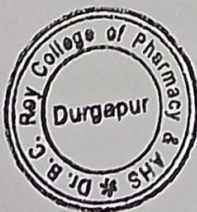
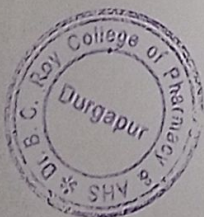
Prof. (Dr.) SAMIR KR. SAMANTA

(PRINCIPAL)


25/5/23

External Examiner:


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





Thesis on

**TO STUDY THE SLEEP POTENTIATING EFFECTS OF
DRIED ETHANOLIC EXTRACT OF *CLITORIA TERNATEA*
IN SWISS ALBINO MICE**

Submitted by

SHREEMA BAKSI

University Registration No.- 211892320210010 of 2021-2022

Roll no: 18920221009

Under the guidance of

DR. AVIJIT CHATTERJEE (GUIDE)

MS. SUSHRUTA CHAKRABORTY (CO-GUIDE)

In the partial fulfilment of the Requirement for the Degree of

MASTER OF PHARMACY IN PHARMACOLOGY

Submitted to

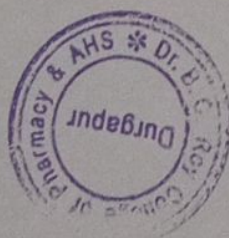
Maulana Abul Kalam Azad University of Technology,

West Bengal

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

Durgapur 713206

Academic Year: 2022-2023



[Signature]
2211123
Prof. (Dr.) Simir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

DECLARATION

I am Shreema Baksi hereby declared that the Project entitled "To study the sleep potentiating effects of dried ethanolic extract of *Clitoria ternatea* in Swiss albino mice" 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. Avijit Chatterjee & Ms. Sushruta Chakraborty.

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

Shreema Baksi

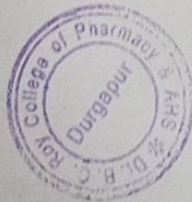
Signature

Name of Candidate: SHREEMA BAKSI

Roll No: 18920221009

Date: 22.05.2023

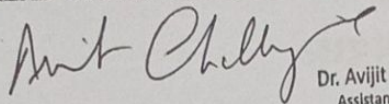
Place: Durgapur



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

CERTIFICATE

This is to certify that the Project entitled "To study the sleep potentiating effects of dried ethanolic extract of *Clitoria ternatea* in Swiss albino mice" by Shreema Baksi in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.



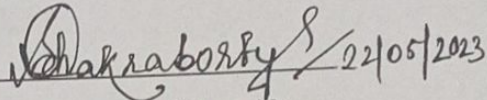
Dr. Avijit Chatterjee
Assistant Professor
Department of Pharmacology
Dr. B. C. Roy College of Pharmacy
Bidhannagar, Durgapur-6

Signature of Guide

DR. AVIJIT CHATTERJEE

Date: 19-5-2023

Place: Durgapur

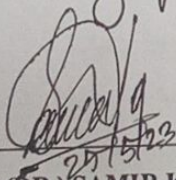


Signature of Co-guide

MS. SUSHRUTA CHAKRABORTY

Date: 22/05/2023

Place: Durgapur

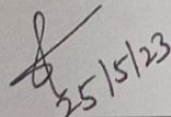


PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

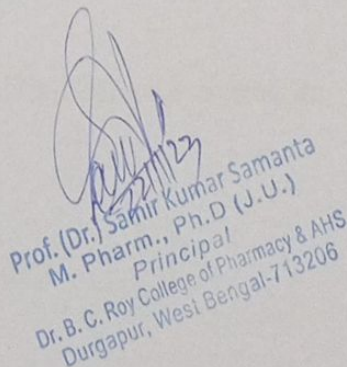
Place:



SIGNATURE OF THE EXTERNAL EXAMINER

Date:

Place:



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





Thesis on

**TO STUDY THE ROLE OF DRIED ETHANOLIC
EXTRACT OF *CLITORIA TERNATEA* IN TREATMENT OF
PSYCHOSIS IN SWISS ALBINO MICE**

Submitted by

SOURAV ROY

University Registration No.- 211892320210011 of 2021-2022

Roll no: 18920221010

Under the guidance of

DR. ABHIK SI (GUIDE)

MS. SUSHRUTA CHAKRABORTY (CO-GUIDE)

In the partial fulfilment of the Requirement for the Degree of

MASTER OF PHARMACY IN PHARMACOLOGY

Submitted to

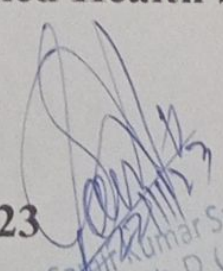
Maulana Abul Kalam Azad University of Technology,

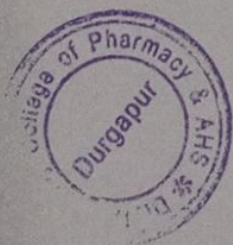
West Bengal

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

Durgapur 713206

Academic Year: 2022-2023


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



DECLARATION

I am Sourav Roy hereby declared that the Project entitled "To study the role of dried ethanolic extract of *Clitoria Ternatea* in treatment of psychosis in Swiss albino mice" 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. Abhik Si, & Ms. Sushruta Chakraborty.

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

Sourav Roy

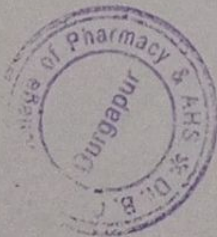
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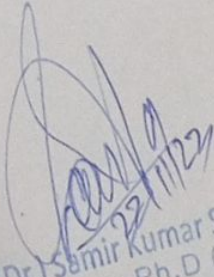
Name of the candidate- **Sourav Roy**

Roll No.- **18920221010**

Date- 22.05.2023

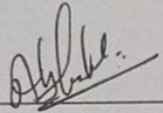
Place- Durgapur, West Bengal




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

CERTIFICATE

This is to certify that the Project entitled "To study the role of dried ethanolic extract of *Clitoria Ternatea* in treatment of psychosis in Swiss albino mice" by Sourav Roy in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

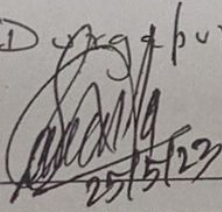


Signature of Guide

Dr. Abhik Si

Date: 22.05.2023.

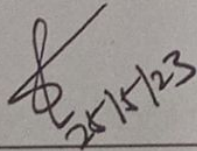
Place: Durgapur.



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

Date:

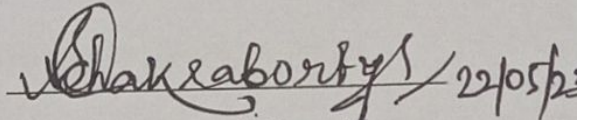
Place:



SIGNATURE OF THE EXTERNAL EXAMINER

Date:

Place:

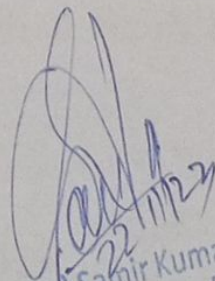


Signature of Co-guide

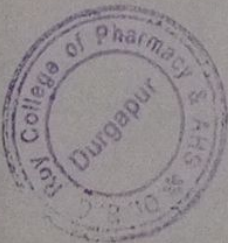
Ms. Sushruta Chakraborty

Date: 22/05/2023

Place: Durgapur.



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

**IMMOBILIZATION OF PLASTIC DEGRADING MICRO-ORGANISM ON
POLYMERIC NANO PARTICLES FOR EFFICIENT PLASTIC
DEGRADATION & TO EVALUATE WOUND HEALING IN ANIMAL
MODEL**

Submitted by

NITISH KUMAR HALDER

M.Pharm (Pharmacology Division), 2ND Year

University Regn. No- 211892320210012 of 2021-2022

Roll No- 18920221011

Under the Joint Guidance of

DR. AVIJIT CHATTERJEE

M.Pharm., Ph.D., Assistant Professor

&

MR. SONJOY KONAR

M.Pharm., Assistant Professor

In partial fulfilment of the Requirement for the Degree of

Master of Pharmacy in Pharmacology

Submitted to

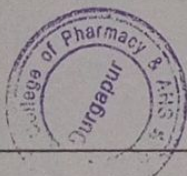
Maulana Abul Kalam Azad University of Technology

West Bengal

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

Durgapur 713206

Academic Year: 2022 - 2023



*Prof. (Dr.) Samir Samanta
M. Pharm., Principal (J.U.)
Dr. B. C. Roy College of Pharmacy and
Durgapur, West Bengal-713206*

DECLARATION

This is to certify that the dissertation entitled "Immobilization of plastic degrading microorganism on polymeric particles for efficient plastic degradation & to evaluate wound healing in animal model" in partial fulfilment for the award of the degree M. Pharm submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide research work carried out by me under the supervision of Dr. Avijit Chatterjee and Mr. Sanjoy Konar.

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

Avijit K. Halder

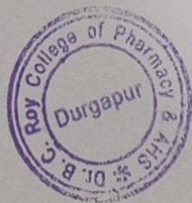
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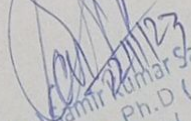
AVIJIT KUMAR HALDER

Roll No: 18920221011

Date: 22.05.23

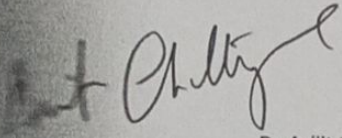
Place: Durgapur




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

CERTIFICATE FROM INSTITUTION

This is to certify that the Project entitled "Immobilization of plastic degrading micro organism on polymeric particles for efficient plastic degradation & to evaluate wound healing in animal model" by NITISH KUMAR MAULANA in partial fulfilment for the MASTER OF PHARMACY (PHARMACEUTICS/PHARMACOLOGY) 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 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.



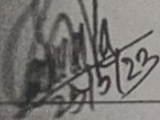
Dr. Avijit Chatterjee
Assistant Professor
Department of Pharmacology
Dr. B. C. Roy College of Pharmacy
Bidhannagar, Durgapur-6

Signature of Guide

Name of Guide: Dr. Avijit Chatterjee

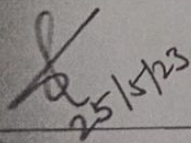
19-5-2023

Durgapur

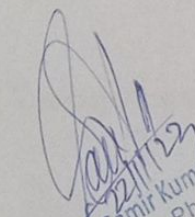
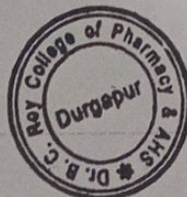


Prof. (DR.) SAMIR KR. SAMANTA

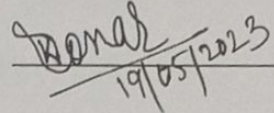
(PRINCIPAL)



Name of External Examiner:



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



Signature of Co-Guide

Name of Co Guide: Mr. Sonjoy Konar

Date:

Place: Durgapur



A

Project report on

**Pharmacological Evaluation of Purified roots of *Plumbago
zeylanica* in Croton oil-induced Rectal Inflammation in
Rats**

Submitted By

TANZEEM NIGAR

University Regn. No. –211892320210013 of 2021- 22

Roll No. – 18920221012

Under the Guidance of

Dr. YADU NANDAN DEY

Associate Professor, BCRCP

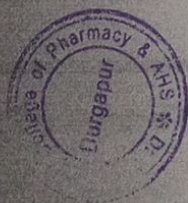
In partial fulfilment of the requirement for the award of the Degree of

Master of Pharmacy in 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



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

DECLARATION

I hereby declare that the Project entitled "**Pharmacological evaluation of purified roots of *Plumbago zeylanica* in Croton-oil induced Rectal inflammation in Rats**" in partial fulfilment of the requirement for the award of Master of Pharmacy in Pharmacology 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. YADU NANDAN DEY**.

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

Tanzeem Nigar

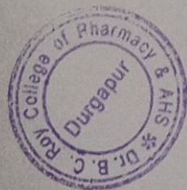
Signature

Name of Candidate: TANZEEM NIGAR

Roll No: 18920221012

Date: 24.05.2023

Place: DURGAPUR



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

CERTIFICATE

This is to certify that the Project entitled "Pharmacological evaluation of Purified roots of *Plumbago zeylanica* in Croton- oil induced Rectal inflammation in Rats" by **YANZEEM NIGAR** in partial fulfilment for the **MASTER OF PHARMACY (PHARMACOLOGY)** 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.

Yadu Nandan Dey

Signature of Guide

Name of Guide: **Dr. YADU NANDAN DEY**

Date: **25-05-2023**

Durgapur

[Signature]

(**DR.**) **SAMIR KR. SAMANTA**

(**PRINCIPAL**)

Dr.

Dr.

[Signature]
25/5/23

Signature

Name of External Examiner:

Dr.

Dr.



[Signature]
25/5/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206



A

Project Report on

Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction.

Submitted By

MR. AVIJIT BEJ

University Reg. No: 211892320210014 of 2021-2022

Roll No: 189202211013

Under the Guidance of

DR. SAGARIKA DEEPTHY TALLAPRAGADA

M. Pharm., Ph.D., Assistant Professor

DEPARTMENT OF PHARMACOLOGY

In fulfilment of the Requirement for the degree of
MASTER OF PHARMACY IN PHARMACOLOGY

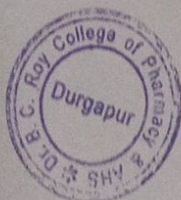
Submitted to

**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,
WEST BENGAL**

DR. B. C. ROY COLLEGE OF PHARMACY & AHS

DURGAPUR -713206, West Bengal, INDIA

ACADEMIC YEAR: 2022- 2023



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

DECLARATION

I hereby declare that the Project entitled "Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction" in 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. SAGARIKA DEEPTHY TALLAPRAGADA.

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

Arijit Bej

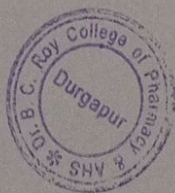
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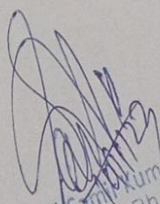
AVIJIT BEJ

Roll No: 189202211013

Date: 22/05/2023

Place: Durgapur




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

CERTIFICATE

This is to certify that the Project entitled "Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction" by MR. AVIJIT BEJ in fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

Dr. T. Sagarika Deepthy

Dr. Sagarika Deepthy Tallapragada
M. Pharm., Ph.D
Assistant Professor
Department of Pharmacology
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur-713206

Signature of Guide

Name of Guide: Dr. Sagarika Deepthy Tallapragada

Date: 22.05.23

Place: *Durgapur.*

[Signature]

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

Date:

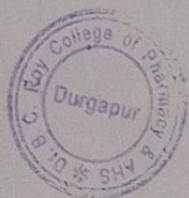
Place: *[Signature]*
25/5/23

Signature

Name of External Examiner:

Date:

Place:



[Signature]
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,
WEST BENGAL



A Project

on

**IN-VIVO & IN-SILICO STUDIES ON THE EFFECT OF
IBUPROFEN ON WOUND HEALING PROCESS**

Submitted for partial fulfilment of the degree of

M. Pharm (Pharmacology)

By

Mr. SACHIN KARMAKAR

REG. NO. 211892320210002 OF 2021-22

UNIVERSITY ROLL NO. 18920221014

Under the Guidance of

PROF. (DR). SHYAMSHREE S S MANNA

Department of Pharmacology

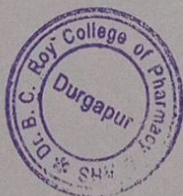
DR. AMIT KR. HALDER

Associate Professor

Dr. B. C. Roy College of Pharmacy & Allied Health Sciences,

Durgapur-713206

**Affiliated to: Maulana Abul Kalam Azad University of Technology, West
Bengal**



2022-23

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

DECLARATION

This is to certify that the project entitled "IN-VIVO & IN-SILICO STUDIES ON THE EFFECT OF IBUPROFEN ON WOUND HEALING PROCESS" in partial fulfilment of the requirement for the award of the Degree of M. Pharm (Pharmacology) submitted to MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL, is an authentic record of bonafide work carried out by me under the guidance of Prof (Dr.) Shyamashree S. S. Manna (DIC Pharmacology) & Dr. Amit Kr. Halder (Associate Professor).

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

Sachin Karmakar
Signature

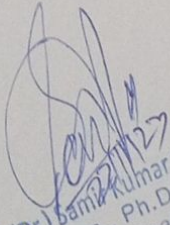
Name of the Candidate: Sachin Karmakar

Roll no.: 18920221014

Date: 25/05/23

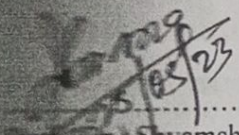
Place: Durgapur




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

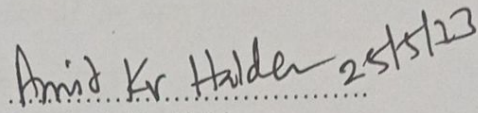
CERTIFICATE

This is to certify that the Project entitled "IN-VIVO & IN-SILICO STUDIES ON THE EFFECT OF IBUPROFEN ON WOUND HEALING PROCESS" by Mr. Sachin Kumar in partial fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) course 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.


25/05/23

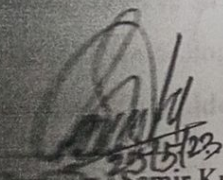
Dr. Shyamshree S S Manna

Principal
Durgapur


25/5/23

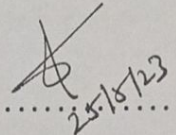
Dr. Amit Kr. Halder

Co-Guide
Date
Place: Durgapur


25/5/23

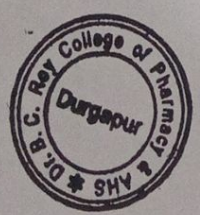
Dr. Samir Kr. Samanta

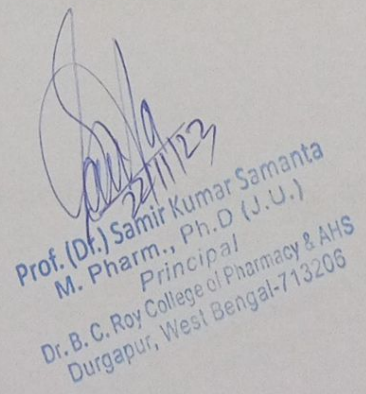
Principal
Durgapur


25/5/23

External Examiner:

Date:
Place: Durgapur




22/11/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206

**STUDIES ON THE EFFECTS OF *MARSILEA MINUTA*
EXTRACT ON ETHANOL WITHDRAWAL-INDUCED
HYPEREXCITABILITY IN MICE**

A Project Report Submitted to



Maulana Abul Kalam Azad University of Technology, West Bengal

In partial fulfilment for the award of the degree of

MASTER OF PHARMACY IN PHARMACOLOGY

By

MR. BISHAL BANERJEE

Reg. No: 211892320210001 of 2021- 22

Roll No: 18920221015

Under the Guidance of

Prof. (Dr). SHYAMSHREE SS MANNA

Department of Pharmacology

Mrs. JAYITA MONDAL

Department of Pharmacognosy



DR. B. C. ROY COLLEGE OF PHARMACY & AHS

DURGAPUR -713206, West Bengal, INDIA

2022-2023



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

DECLARATION

I hereby declare that the project entitled "STUDIES ON THE EFFECTS OF *MARSILEA MINUTA* EXTRACT ON ETHANOL WITHDRAWAL-INDUCED HYPEREXCITABILITY IN MICE" by Mr. Bishal Banerjee 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 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 Prof. (Dr.) Shyamshree S S Manna & Mrs. Jayita Mondal.

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

Bishal Banerjee

BISHAL BANERJEE

ROLL NO: 18920221015

Date: 24/05/23

Place: Durgapur



[Signature]
Prof. (Dr.) Sanjay Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713208

Certificate

This is to certify that the project entitled **STUDIES ON THE EFFECTS OF MARSILEA MINUTA EXTRACT ON ETHANOL WITHDRAWAL- INDUCED HYPEREXCITABILITY IN MICE** by **Mr. Bishal Banerjee** in partial fulfilment for the **Master of Pharmacy (Pharmacology)** under **MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL** 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, WEST BENGAL** for assessment.

Shyamshree S S Manna
25/05/23

.....
Prof. (Dr.) Shyamshree S S Manna M. Pharm., Ph.D.
Supervisor

Place : Durgapur

Jayita Mondal
24/5/23

.....
Mrs. JAYITA MONDAL M. Pharm.
Supervisor

Place : Durgapur

Samir Kumar Samanta
25/5/23

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

Principal

Place : Durgapur

External Examiner
24/5/23

.....
Signature of External Examiner

Place : Durgapur



Samir Kumar Samanta
22/11/23
Prof. (Dr.) Samir Kumar Samanta
M. Pharm., Ph.D. (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206