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

Lindon the guidence of

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.

&

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Durgapur 713206

**Academic Year: 2022 - 2023** 



#### **DECLARATION**

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

#### CERTIFICATE

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