



A Project Report on

SYNTHESIS OF CAFFEIC ACID-g-XANTHAN GUM HYDROGELS AND EVALUATION OF THEIR GEL-SOL TRANSITION PROPERTIES

Submitted by SOURAV PATRA

University Reg. No. - 037185 of 2019-20 Roll No. - 18901919060

Under the guidance of DR. HRIDAY BERA (M. Pharm, Ph.D.)
Assistant Professor

In partial fulfilment of the Requirement for the Degree of Bachelor of Pharmacy

Submitted to

Maulana Abul Kalam Azad University of Technology West Bengal

Dr. B. C. Roy College of Pharmacy and Allied Health Sciences
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Academic Year: 2022 - 2023



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DECLARATION

I hereby declare that the Project entitled "Synthesis of Caffeic acid-g-Xanthan gum-based hydrogels and evaluation of their sol gel transition properties" in partial fulfilment of the requirement for the award of Bachelor 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.

Name of Candidate: Sourav Patra

Roll no: 18901919060

Date: 15/05/2023

Place: Durgapur

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Prof. (Dr.) Samir Kumar Samanta Prof. (Dr.) Samir Kumar Samanta Principal Principal Dr. B. C. Roy Chilege of Pharmacy & AHS Dr. B. C. Roy Chilege of Pharmacy & AHS Durgapur, West Bengai-713206

CERTIFICATE

This is to certify that the Project entitled "Synthesis of Caffeic acid-g-Xanthan gum-based hydrogels and evaluation of their sol gel transition properties" by Sourav Patra in partial fulfilment for the BACHELOR OF PHARMACY 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: 15/05/2023

Place: Durgapur

PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date: 15/05/2023

Place: Durgapur

Signature

Name of External Examiner:

Date 15/05/2023

Place: Durgapur



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