



# PROJECT REPORT

**EXTRACTION: A SENSITIVE PROCESS IN OBTAINING  
SECONDARY METABOLITES FROM HERBS**

*SUBMITTED BY*  
**SAYANTA SINGHA**

**University reg no. 036342 of 2019-20**

**Under the guidance of**

**Prof. Ashoke Kumar Ghosh, M. Pharm, Ph.D.**

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 & Allied Health  
Sciences**

**Durgapur 713206**

**Academic Year: 2022-2023 : season - 2019-2023**



  
**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 "Extraction: A Sensitive Process in Obtaining Secondary Metabolites from Herbs" 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 Prof. Ashoke Kumar Ghosh, M. Pharm, Ph.D. of Dr. B.C Roy College of Pharmacy & A.H.S, Durgapur.

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 Student: SAYANTA SINGHA

Signature: Sayanta Singha

DATE: 16/5/23

PLACE: DURGAPUR.



*[Handwritten signature]*  
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16/5/23

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

CERTIFICATE

This is to certify that the Project entitled "Extraction: A Sensitive Process in Obtaining Secondary Metabolites from Herbs" by Sayanta Singha, B. Pharm 8<sup>th</sup> Semester student, in partial fulfillment for the BACHELOR OF PHARMACY under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, Kolkata.

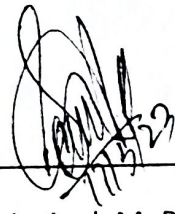
It is a record of the original research work under my supervision and up to my satisfaction. To my knowledge, neither his thesis nor any part of it has been submitted for any other academic award anywhere before. The report will be forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.



Signature of supervisor

Name of Supervisor: Prof. Ashoke Kumar Ghosh, M. Pharm, Ph.D.

Date: 16/5/23  
Place: Durgapur

Signature: 

Prof. Samir Kumar Samanta, Principal, M. Pharm, Ph.D.



Prof. (Dr.) Samir Kumar Samanta  
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