



A  
Project Report on

# An Overview of DNA Barcoding and Chromatography Fingerprints for Authentication of Botanicals present in Herbal Medicinal Products

*Submitted by*

**Rishav Seth**

*University Regn. No. – 201890201910026*

*Roll No. - 18901920079*

Under the guidance of  
**Mr. Sagar Sengupta**  
Associate Professor

In partial fulfillment 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**  
**Durgapur 713206**

**Academic Year: 2023 – 2024**



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

## DECLARATION

I hereby declare that the Project entitled "An Overview of DNA Barcoding and Chromatography Fingerprints for Authentication of Botanicals present in Herbal Medicinal Products" in partial fulfillment 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 Mr. Sagar Sengupta.

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

Rishav Seth

Signature

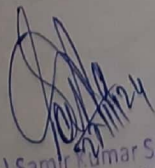
Name of the Candidate: Rishav Seth

Roll No: 18901920079

Date: 03/06/2024

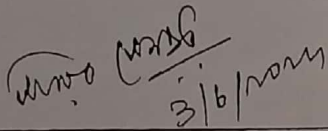
Place: Durgapur



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

# CERTIFICATE

This is to certify that the Project entitled "An Overview of DNA Barcoding and Chromatography Fingerprints for Authentication of Botanicals present in Herbal Medicinal Products" by Rishav Seth 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 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.

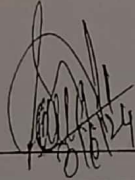
  
3/6/2024

Signature of Supervisor

Name of Supervisor: Mr. Sagar Sengupta

Date:

Place:



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

Date:

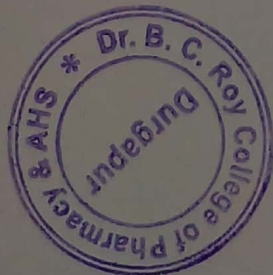
Place:

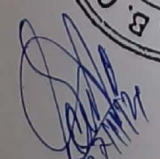


Signature of External Examiner

Date:

Place:



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

III