



A  
Project Report on

**Phytochemical Screening and *In-vitro* Antioxidant  
Evaluation of Different Extracts of Purified Roots of  
*Plumbago zeylanica***

*Submitted by*

**Debabrata Chattopadhyay**

*University Regn. No. - 031285*

*Roll No. - 18901919012*

Under the guidance of  
**Dr. Yadu Nandan Dey**  
Associate 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  
Durgapur 713206**

**Academic Year: 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 "Phytochemical screening and *in-vitro* antioxidant evaluation of different extracts of purified roots of *Plumbago zeylanica*" 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 Dr. Yadu Nandan Debp.

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

*Debabrata Chattopadhyay*

Signature

Name of Candidate: DEBABRATA CHATTOPADHYAY

Roll No: 18901919012

Date: 16/05/2023

Place: DURGAPUR



*Samir Kumar Samanta*

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

## CERTIFICATE

This is to certify that the Project entitled "Phytochemical Screening and Evaluation on in-vitro activity of Anti-Oxidant in different extracts of purified roots of *Plumbago zeylanica*" by DEBABRATA CHATTOPADHYAY in partial fulfillment 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 thesis nor any part of it has been submitted for any other academic award anywhere before. The report is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

Yadu Nandan Dey

Signature of Supervisor

Name of Supervisor: Dr. Yadu Nandan Dey

Date: 16-05-2023

Place: DURGAPUR

Prof. (Dr.) Samir Kr. Samanta

(PRINCIPAL)

Date:

Place: DURGAPUR

Signature

Name of the External Examiner

Date:



Prof. (Dr.) Samir Kumar Samanta  
M. Pharm., Ph.D (U.U.)  
Principal  
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Prof. C. M. Hossain  
18/5/23  
MAKAUT