

A

Project Report on

**Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction.**

*Submitted By*

**MR. AVIJIT BEJ**

*University Reg. No: 211892320210014 of 2021-2022*

*Roll No: 189202211013*

Under the Guidance of

**DR. SAGARIKA DEEPTHY TALLAPRAGADA**

**M. Pharm., Ph.D., Assistant Professor**

**DEPARTMENT OF PHARMACOLOGY**

In fulfilment of the Requirement for the degree of  
**MASTER OF PHARMACY IN PHARMACOLOGY**

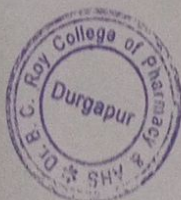
Submitted to

**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY,  
WEST BENGAL**

**DR. B. C. ROY COLLEGE OF PHARMACY & AHS**

**DURGAPUR -713206, West Bengal, INDIA**

**ACADEMIC YEAR: 2022- 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 "Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction" in 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. SAGARIKA DEEPTHY TALLAPRAGADA.

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

Arijit Bej

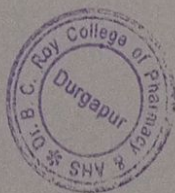
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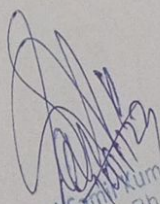
AVIJIT BEJ

Roll No: 189202211013

Date: 22/05/2023

Place: Durgapur



  
Prof. (Dr.) Samprad Kumar Samanta  
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Durgapur, West Bengal-713206



## CERTIFICATE

This is to certify that the Project entitled "Synthesis and characterization of silver nanoparticles and evaluation of their anti-bacterial activity and exploring their potential for lung cancer cell line DNA interaction" by MR. AVIJIT BEJ in fulfilment for the MASTER OF PHARMACY (PHARMACOLOGY) 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.

Dr. T. Sagarika Deepthy

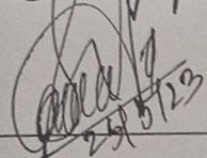
**Dr. Sagarika Deepthy Tallapragada**  
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Signature of Guide

Name of Guide: Dr. Sagarika Deepthy Tallapragada

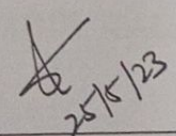
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PROF (DR.) SAMIR KR. SAMANTA  
(PRINCIPAL)

Date:

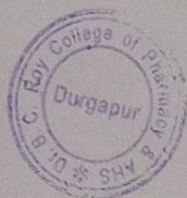
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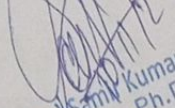
  
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Name of External Examiner:

Date:

Place:



  
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