



A  
Project Report  
on



**Studies on the Neurobehavioral Effects and Wound  
Healing Property of Human Placental Extract on  
Traumatic Brain Injury Using Animal Model of Zebra Fish**

*Submitted by*

**SNEHA GHOSH**

*University Regn. No. – 221892310050*

*Roll No. - 18920222003*

*Under the guidance of*

**Dr. Shyamshree S S Manna**

*Professor of Pharmacology*

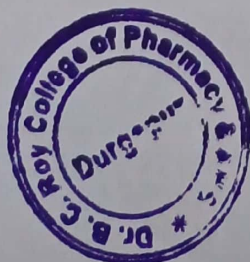
*In partial fulfilment of the Requirement for the Degree of*

**Master of Pharmacy in Pharmacology**

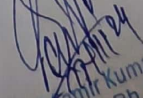
*Submitted to*

**Maulana Abul Kalam Azad University of Technology  
West Bengal**

**Dr. B. C. Roy College of Pharmacy and Allied Health Sciences  
Durgapur 713206**



**Academic Year: 2023 – 2024**

  
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 "Studies on the Neurobehavioral Effects and Wound Healing Property of Human Placenta Extract on Traumatic Brain Injury Using Animal Model of Zebra Fish" in partial 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 Prof. (Dr.) Shyamshree S S Manna.

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

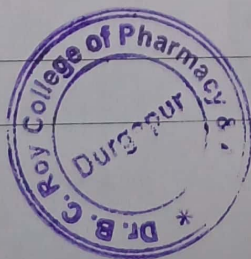
*Sneha Ghosh*

SNEHA GHOSH

Roll No: 18920222003

Date: 06 • 06 •

Place: Durgapur

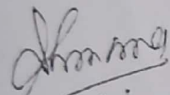


*[Signature]*  
Prof. (Dr.) Samir Kumar Samanta  
M. Pharm., Ph.D (J.U.)  
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## Certificate

This is to certify that the Project entitled "Studies on the Neurobehavioral Effects and Wound Healing Property of Human Placenta Extract on Traumatic Brain Injury Using Animal Model of Zebra Fish" by Sneha Ghosh in partial 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.

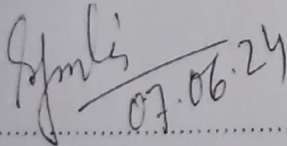


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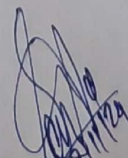
Dr. Shyamshree S S Manna  
Place: Durgapur  
Date: 06/06/24



Principal  
PROF. (DR.) SAMIR KUMAR SAMANTA  
Dr. B. C. Roy College of Pharmacy & AHS  
Place: Durgapur, West Bengal-713206  
Date: 06.06.2024



External Examiner  
Place: Durgapur  
Date: 07.06.24



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