



A  
Project Reporton

2D-QSAR analyses on some Cariprazine based D2 receptor ligands using various feature selection techniques.

*Submitted by*

**NIRUPAM PATTANAYAK**

*University Regn. No. – 035730*

*Roll No. -18901919101*

Under the guidance of

**Dr. AMIT KUMAR HALDER**

M.PHARM., PhD

Associate Professor

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


Submitted to

**MaulanaAbulKalam Azad University of Technology  
West Bengal**

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

**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 "2D-QSAR analyses on some Cariprazine based D2 receptor ligands using various feature selection techniques" 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 Name of **Dr. Amit Kumar Halder**.

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

Nirupam Pattanayak  
15/05/23  
Signature

Name of Candidate: NIRUPAM PATTANAYAK

RollNo:18901919101

Date: 15.05.2023

Place:Durgapur



[Handwritten Signature]  
15/05/23

Prof. (Dr.) Samir Kumar Samanta  
M. Pharm., Ph.D. (J.U.)  
Principal  
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## CERTIFICATE

This is to certify that the Project entitled "2D-QSAR analyses on some Cariprazine based D2 receptor ligands using various feature selection techniques" by Nirupam pattanayak 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.

Amit Kumar Halder 15/5/2023

Signature of Supervisor

Name of Supervisor: Dr. Amit Kumar Halder

Date: 15.05.2023

Place: Durgapur



PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

Date:

Place: Durgapur

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