



St Xavier's College (Autonomous)

5, Mahapalika Marg, Mumbai-400001

Investigating the inhibitory activity of Selenocysteine against α -Synuclein aggregation

A dissertation submitted to St Xavier's College- Autonomous

For the partial fulfilment of the degree of Master of Science in Biotechnology

By

Neha Ashok Dubey

MSc. (Biotechnology) 2019-2020

Under the guidance of

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UM-DAE Centre for Excellence in Basic Sciences

Mumbai University, Kalina Campus, Santacruz (East) Mumbai- 40009

POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

St Xavier's College (Autonomous)

5, Mahapalika Marg, Mumbai -400001



CERTIFICATE

This is to certify that **Neha Ashok Dubey**, student of MSc (Biotechnology) Semester IV, at the Post Graduate Department of Biotechnology, St. Xavier's College (Autonomous) has submitted the dissertation work titled "**Investigating the inhibitory activity of Selenocysteine against α -Synuclein aggregation**" for the partial fulfilment of the Master's degree in Science in Biotechnology, during the academic year 2019-2020.

Date:

Place: Mumbai

Dr. Karuna Gokarn

Head of the Department, PGDBT

POST GRADUATE DEPARTMENT
OF BIOTECHNOLOGY
ST. XAVIER'S COLLEGE,
MUMBAI-400 001



Certificate of Completion

मौलिक विज्ञान प्रकर्ष केन्द्र

This is to certify that **Neha Ashok Dubey**, student of MSc (Biotechnology), St Xavier's College (Autonomous) has completed four months training/ Research Project at the **Protein Chemistry lab, UM-DAE Centre of Excellence in Basic Sciences** during the academic year 2019-2020.

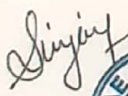
She has completed the dissertation work entitled "**Investigating the inhibitory activity of Selenocysteine against α -Synuclein aggregation**" for the partial fulfilment of MSc. (Biotechnology) degree. She has been familiarized with the following techniques during this project:

- Plasmid Isolation
- Protein expression and purification
- Polyacrylamide Gel Electrophoresis
- Fluorescence Spectroscopy
- Circular dichroism Spectroscopy

This carefully written report represents the experiments and literature related to the same carried out by her during the period from 1st December 2019 to 31st March 2020.

I found **Neha. A. Dubey** to be a sincere and hardworking student. Her overall conduct was good.

Dr. Sinjan Choudhary

Signature: 
Date: 12/11/2020
Seal of the Institute 