



St Xavier's College (Autonomous)

5, Mahapalika Marg, Mumbai-400001

TITLE OF THE DISSERTATION

In-vitro evaluation of the anti-fungal activity and elucidating the mechanism of action of biogenic silver nanoparticles against *Candida albicans*

A dissertation submitted to St Xavier's College- Autonomous

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

By

Name of the student: Jhelum Rajendra Chaubal

MSc. (Biotechnology) 2019-2020

Under the guidance of

Name of the PI: Dr. Rinti Banerjee

Name and address of the institute: IIT Bombay

Powai, Mumbai 400076, Maharashtra, India

POST GRADUATE DEPARTMENT OF
BIOTECHNOLOGY

St Xavier's College (Autonomous)
5, Mahapalika Marg, Mumbai -400001



CERTIFICATE

This is to certify that Miss Jhelum Rajendra Chaubal, student of MSc (Biotechnology) - Semester IV, at the Post Graduate Department of Biotechnology, St. Xavier's College (Autonomous) has submitted the dissertation work titled "**In-vitro evaluation of the anti-fungal activity and elucidating the mechanism of action of biogenic silver nanoparticles against *Candida albicans***" for the partial fulfilment of the Master's degree in Science in Biotechnology, during the academic year 2019-2020.

Date: 20/06/2020

Place: Mumbai, India

Dr. Karuna Gokarn

Head of the Department, PGDBT

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CERTIFICATE OF COMPLETION

This is to certify that Miss Jhelum Rajendra Chaubal, student of MSc (Biotechnology), StXavier's College (Autonomous) has completed four months training/ Research Project at IIT, Bombay, during the academic year 2019-2020.

She has completed the dissertation work entitled "*Invitro* evaluation of the anti-fungal activity and elucidating the mechanism of action of biogenic silver nanoparticles against *Candida albicans*" for the partial fulfilment of MSc. (Biotechnology) degree.

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 15th March 2020.

We/Ifound Miss Jhelum Rajendra Chaubal to be a sincere and hardworking student. Her overall conduct was good.

PI/supervisor: Dr. Rinti Banerjee

Signature:

Date: 28.07.2020



Prof. Rinti Banerjee
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