



St Xavier's College (Autonomous)

5, Mahapalika Marg, Mumbai-400001

**Structural and biochemical characterization of rRNA
modification involved in antibiotic resistance.**

A dissertation submitted to **St Xavier's College- Autonomous**

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

By

Ms. Vasudha Ramnath.

MSc. (Biotechnology) 2019-2020

Under the guidance of

Dr. Ruchi Anand

Department of Chemistry,

Indian Institute of Technology, Powai,

Mumbai 400 076.

**POST GRADUATE DEPARTMENT OF
BIOTECHNOLOGY**

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



CERTIFICATE

This is to certify that Vasudha Ramnath, student of MSc (Biotechnology) - Semester IV, at the Post Graduate Department of Biotechnology, St. Xavier's College (Autonomous) has submitted the dissertation work titled "Structural and biochemical characterization of rRNA modification involved in antibiotic resistance." for the partial fulfilment of the Master's degree in Science in Biotechnology, during the academic year 2019-2020.

Date:

Place:

KR Gokarn

Dr. Karuna Gokarn

Head of the Department, PGDBT

POST GRADUATE DEPARTMENT
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ST. XAVIER'S COLLEGE,
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CERTIFICATE OF COMPLETION

This is to certify that Vasudha Ramnath, student of MSc (Biotechnology), St. Xavier's College (Autonomous) has completed four months training/ Research Project at the Structural Biochemistry_lab, (name of the institute) during the academic year 2019-2020.

She has completed the dissertation work entitled "Structural and biochemical characterization of rRNA modification involved in antibiotic resistance" for the partial fulfilment of MSc. (Biotechnology) degree. She has been familiarized with the following techniques during this project:

- Protein Purification technique.
- Scintillation Assay

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

I found Vasudha Ramnath to be a sincere and hardworking student. Her overall conduct was good.

Signature and Seal of Institute:

Dr. Ruchi Anand,

Associate Professor, डा. रुचि आनन्द / Dr. RUCHI ANAND
प्राध्यापक / Professor
रसायनशास्त्र विभाग / Department of Chemistry
भारतीय प्रौद्योगिकी संस्थान मुंबई
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