

B/4

**A COMPARITIVE STUDY ON THE DYE DEGRADATION
POTENTIAL OF *Sansevieria trifasciata* AND *Calotropis gigantea* IN
ASSOCIATION WITH BACTERIAL STRAINS**

A Project Report

Submitted by

Munawara Asiya (229215)

Under the guidance of

Dr Deepthi D'Souza



ESTD : 1880

ST. ALOYSIUS COLLEGE (AUTONOMOUS)

In partial fulfilment of the requirement for the award of

MASTER OF SCIENCE IN BIOTECHNOLOGY

Department of Post Graduate Studies and Research in Biotechnology

May 2024



St Aloysius College (Autonomous), Mangaluru

St Aloysius College Road, Kodialbail, Mangaluru, D. K., Karnataka - 575 003

Re-accredited by NAAC with 'A++' Grade with CGPA 3.67/4

Ranked 95 in College Category – 2021 under NIRF, Ministry of Education, Govt of India

Recognised as Centre for Research Capacity Building under UGC-STRIDE Scheme

Recognised under the DBT – BUILDER Scheme, Government of India

College with "STAR STATUS" conferred by DBT, Government of India

Recognised by UGC as "College with Potential for Excellence"

CERTIFICATE

This is to certified that the project report entitled "A Comparitive study on the dye degradation potential of *Sansevieria trifasciata* and *Calotropis gigantea* in association with bacterial strains" is a Bonafide work carried out by **M Gayathri Prabhu (229211)** and **Munawara Asiya(229215)** under the guidance of **Dr Deepthi D'Souza** in the department of post graduate studies and research in Biotechnology St. Aloysius College (Autonomous) the same thing is submitted to the Post Graduation Department of Biotechnology ,St Aloysius college in partial fulfilment of the requirement for the award of **Master of Science in Biotechnology**. No part of this thesis has been presented for the award of any other degree

Dr. SHREELALITHA SUVARNA

Name and signature of HOD

St Aloysius College, Mangaluru-575 003

Dr. Deepthi D'Souza

Name and signature of guide

Examiners:

1. 28/5/24 2. 28/5/2024



St Aloysius College (Autonomous), Mangaluru

St Aloysius College Road, Kodialbail, Mangaluru, D. K., Karnataka - 575 003

Re-accredited by NAAC with 'A++' Grade with CGPA 3.67/4

Ranked 95 in College Category – 2021 under NIRF, Ministry of Education, Govt of India

Recognised as Centre for Research Capacity Building under UGC-STRIDE Scheme

Recognised under the DBT – BUILDER Scheme, Government of India

College with "STAR STATUS" conferred by DBT, Government of India

Recognised by UGC as "College with Potential for Excellence"

PLAGIARISM VERIFICATION REPORT

Title of the Project/Dissertation/Research Article/Ph.D. Thesis: **A Comparative study on the dye degradation potential of *Sansevieria trifasciata* and *Calotropis gigantea* in association with bacterial strains**

Total Pages

Name of the Student/Research Scholar: **M Gayathri Prabhu (229211)**
Munawara Asiya(229215)

Name of the Supervisor/Guide: **Dr. Deepthi D'Souza**

Designation and Department: Assistant Professor, Department of Post Graduate Studies and
Research in Biotechnology

This is to report that the above Project/dissertation/thesis was scanned for
similarity detection and the process and outcome are given below:

Software used: **DrillBit**

Date: **2024-05-25**

Submission ID: **1868421..**

Similarity **5%**

Checked by:

Librarian

St Aloysius College (Autonomous)

Mangaluru- 575003

LIBRARIAN

ST ALOYSIUS COLLEGE (Autonomous)

MANGALURU - 575 003