A COMPARATIVE STUDY ON THE PHYTOCHEMICAL PROPERTIES OF LEAVES, STEM, ROOTS OF Strobilanthes barbatus AND IT'S ANTIOXIDANT PROPERTY

RY

A Project Report Submitted by

SHREYA K (229223)

to



ST ALOYSIUS COLLEGE(AUTONOMOUS)

In part fulfilment of the requirements for the award of

Master of Science in BIOTECHNOLOGY

Department of Post Graduate Studies and Research in Biotechnology

May, 2024

A COMPARATIVE STUDY ON THE PHYTOCHEMICAL PROPERTIES OF LEAVES, STEM, ROOTS OF *Strobilanthes barbatus* AND IT'S ANTIOXIDANT PROPERTY

A Project Report Submitted by

SHREYA K (229223)

Under the guidance of

REV. DR. MELWYN DCUNHA SJ

to



ST ALOYSIUS COLLEGE(AUTONOMOUS)

In part fulfilment of the requirements for the award of

Master of Science in **BIOTECHNOLOGY**

Department of Post Graduate Studies and Research in Biotechnology

May, 2024

ಸಂತ ಅಲೋರಿಯಸ್ ಕಾಲೇಜು (ಸ್ಯಾಯತ್ರೆ) ಸಂತ ಆಲೋರಿಯಸ್ ಕಾಲೇಜು ರಸ್ತೆ

នៅទៅ¥ខែថិរ - 575-003 www.statoystus.edu.in



ST ALOYSIUS COLLEGE(AUTONOMOUS) ST ALOYSIUS COLLEGE ROAD MANGALURU – 575 003 Phone: 0824-2449700, 2449701 Fax: 0824-2449705 Email: principal_sac@yahoo.com

Ré-accredited by NAAC with 'A++' Grade - CGPA 3.67/4 Ranked 80 in College Category-2023 under NIRF, MHRD, Government of India. Récognised as Centre for Research Capacity Building under UGC-STRIDE Scheme, Government of India Recognised under 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 certify that the project report entitled "A comparative study on the phytochemical properties of leaves, stem, roots of *Strobilanthes barbatus* and it's antioxidant property" is a bonafide work carried out by Shreya K (229223) under the guidance of Rev. Dr. Melwyn DCuhna SJ in the Department of Post Graduate Studies and Research in Biotechnology, St. Aloysius College.

The same is being submitted to the Post Graduation Department of Biotechnology, St. Aloysius College in partial fulfilment of the requirements for the award of **Master of Science -Biotechnology**. No part of this thesis has been presented for the award of any other degree.

DR. SMREECAUTHA S Name & Signature of HOD SUVARNA J. Head Pest graduate Dupariment of Rielechnology Schieverus College, Mangalore 575 083

Name & Signature of the Guide

Examiners: 1. (Wordes wer

Burra les



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

Recognized 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 phytochemical properties of leaves, stem, roots of Strobilanthes barbatus and it's antioxidant property.

Total Pages: 26

Name of the Student/Research Scholar: Shreya K (229223)

Name of the Supervisor/Guide: Rev.Dr.Melwyn Dcunha SJ

Designation and Department: HOD, 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: 26/05/2024

Submission ID: 1871166

Similarity Index: 4%

Checked by

Librarian

LIBRARIAN TALOYSIUS COLLEGE(Autonomous) MANGALURU - 575 003 St Aloysius College (Autonomous)

Mangaluru - 575 003