



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

DEPARTMENT OF BIO - CHEMISTRY [UG]

PROJECT

BATCH [2020 - 2023]

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



DEPARTMENT OF BIOCHEMISTRY

BATCH: 2020 -2023

CLASS: III BSC BIOCHEMISTRY

PROJECT

S No.	REGISTER NO	NAME
1.	222008029	Ketana U.S
2.	222008030	Anusha V
3.	222008031	Bakiyalakshmi K
4.	222008032	Bhuvaneshwari M
5.	222008033	Devisri M
6.	222008034	Dhanalakshmi E
7.	222008035	Geetha M
8.	222008036	Lavanya N
9.	222008037	Manonmani S
10.	222008038	Mythili V
11.	222008039	Nishavarshini P
12.	222008042	Pavithra N
13.	222008043	Prathanna R
14.	222008044	Ranjani R
15.	222008045	Revathi R
16.	222008046	Sabari S
17.	222008047	Sangeetha K
18.	222008048	Santhoshini J
19.	222008049	Selvi P
20.	222008050	Shalini C
21.	222008051	Sharmila S
22.	222008052	Sneha D
23.	222008053	Sowndarya L
24.	222008055	Suganthi M
25.	222008057	Sujatha K
26.	222008058	Vijayalakshmi A




PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 009

EVALUATION OF ANTIBACTERIAL ACTIVITY OF *CATHARANTHUS ROSEUS*

BY

IN-VITRO AND IN-SILICO ANALYSIS

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

MS. KETANA U. S

Reg. No. 222008029

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ANTIBACTERIAL ACTIVITY OF CATHARANTHUS ROSEUS BY IN-VITRO AND IN-SILICO ANALYSIS." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in biochemistry , is a record of original research work by MS. U.S. KETANA during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 19/04/23

V. J. Jeyaraj
17/4/23

INTERNAL GUIDE

[Signature]
17/4/23

HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

[Signature]
17/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

[Signature]

EXTERNAL EXAMINER

[Signature]
19/4/23



PRINCIPAL
SOKA IKEDA COLLEGE OF ART
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

SYNTHESIS OF VALUE ADDED BIO PRODUCT FROM FISH WASTE

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

MS.ANUSHA .V

Reg. No. 222008030

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS OF VALUE ADDED BIO PRODUCT FROM FISH WASTE." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. V. ANUSHA during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

V. Anushe
17/4/23

GUIDE

[Signature]
17/4/23

HEAD OF THE DEPARTMENT
HEAD

DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

[Signature]
19/4/23

[Signature]
17/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

PLACE: Chennai

[Signature]

DATE: 19.04.23

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**ANTINOCICEPTIVE ACTIVITY OF β -SITOSTEROL ISOLATED FROM
LEAVES OF MIRABILIS JALAPA: AN IN – SILICO STUDY**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE in BIOCHEMISTRY

By

Ms. BAKIYALAKSHMI K

Reg. No. 222008031




2020 – 2023

DEPARTMENT OF BIOCHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99.



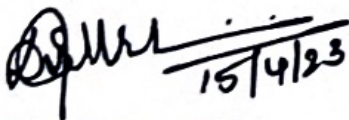

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

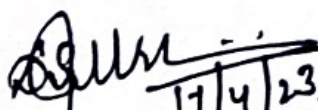
This is to certify that the dissertation entitled "ANTINOCICEPTIVE ACTIVITY OF β -SITOSTEROL ISOLATED FROM LEAVES OF MIRABILIS JALAPA: AN IN - SILICO STUDY." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Bio-Chemistry, is a record of original research work by Ms. BAKIYALAKSHMI K during the period of her study in the Department of Bachelor of Science in Bio-Chemistry, Soka Ikeda College Of Arts And Science For Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 19.04.23

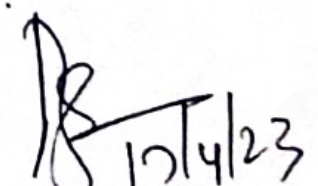

15/4/23

INTERNAL GUIDE



17/4/23
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER




17/4/23
HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099


PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**COMPARATIVE STUDY OF ANTIUROLITHIATIC PROPERTY OF
ROOT AND AERIAL PART OF ASPARAGUS RACEMOSUS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

by

Ms. Bhuvaneshwari. M

Reg. No. 222008032

2020 - 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

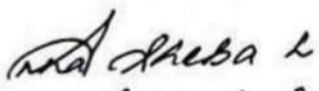
APRIL 2023

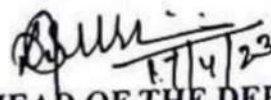


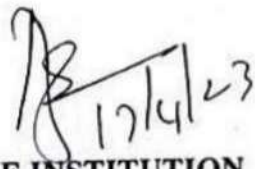
**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "COMPARATIVE STUDY OF ANTIUROLITHIATIC PROPERTY OF ROOT AND AERIAL PART OF ASPARAGUS RACEMOSUS." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. BHUVANESHWARI. M during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.


GUIDE (DR. L. ANNA SHEBA)


HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099


HEAD OF THE INSTITUTION
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


19/4/23

Place : Chennai

Date : 19.04.23




PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**EVALUATION OF TOXICITY IMPACT OF CIGARETTE POLLUTION ON
PHYSICOCHEMICAL CHARACTERISTIC OF WATER AND GROWTH OF FISH**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. DEVISRI.M

Reg. No. 222008033

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



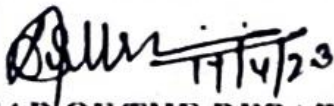
BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF TOXICITY IMPACT OF CIGARETTE POLLUTION ON PHYSICOCHEMICAL CHARACTERISTIC OF WATER AND GROWTH OF FISH "

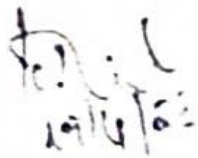
Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. DEVISRI.M during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.


GUIDE

Dr LATHA -C
AR
14/4/2023


HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


14/4/23


HEAD OF THE INSTITUTION
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Place : Chennai



Date : 19.04.23



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**ASSESSMENT OF OXIDATIVE STRESS AND ANTIOXIDANT RESPONSE OF GILLS OF
NILE TILAPIA DURING CIGARETTE POLLUTION**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. DHANALAKSHMI.E

Reg. No. 222008034

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "ASSESSMENT OF OXIDATIVE STRESS AND ANTIOXIDANT RESPONSE OF GILLS OF NILE TILAPIA DURING CIGARETTE POLLUTION" Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. DHANALAKSHMI.E during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

GUIDE

Dr. LATHA - e
15/04/2023

Dr. LATHA - e
17/4/23
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

K. J. J. J.
19/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Place : chennai

Date : 19.04.23

PRINCIPAL

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**EVALUATION OF ANTIBACTERIAL ACTIVITY OF ACALYPHA INDICA BY IN-
VITRO AND IN-SILICO ANALYSIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. GEETHA.M

Reg. No. 222008035

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ANTIBACTERIAL ACTIVITY OF ACALYPHA INDICA BY IN-VITRO AND IN-SILICO ANALYSIS." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. GEETHA.M during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 19.04.23

V. Sridhar
17/4/23

INTERNAL GUIDE


17/4/23
HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099


17/4/23
HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

R. R. R.
19/4/23



CHITOSAN EXTRACTION FROM INDIAN SHRIMP

SHELL WASTE

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Mrs. LAVANYA.N

Reg. No. 222008036

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "CHITOSAN EXTRACTION FROM INDIAN SHRIMP SHELL WASTE." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MRS. LAVANYA.N during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

V. Srinella
15/4/23

INTERNAL GUIDE

S. S. Srinivasan
17/4/23

HEAD OF THE DEPARTMENT,

HEAD

DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

K. S. Srinivasan
19/4/23

B. S. Srinivasan
17/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

B. S. Srinivasan

PLACE: CHENNAI



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

DATE: 19/4/2023

**GREEN SYNTHESIS OF SELENIUM NANOPARTICLES
FROM MILETTIA PINNATA AND IT'S
ANTIMICROBIAL ACTIVITY**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

by

MS. MANONMANI S

Reg. No. 222008037

2020 - 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

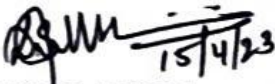
APRIL 2023

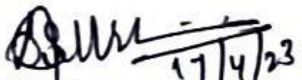
**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



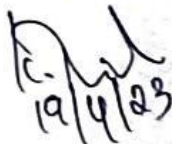
BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "GREEN SYNTHESIS OF SELENIUM NANOPARTICLES FROM MILLETTIA PINNATA AND IT'S ANTIMICROBIAL ACTIVITY." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. MANONMANI.S during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.


INTERNAL GUIDE


HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


19/4/23


HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



PLACE: CHENNAI



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

DATE: 19.04.23

**GREEN SYNTHESIS OF SELENIUM NANOPARTICLES AND ITS
CHARACTERIZATION FROM MILLETIA PINNATA**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. MYTHILI.V

Reg. No. 222008038

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "GREEN SYNTHESIS OF SELENIUM NANOPARTICLES AND IT'S CHARACTERISTICS FROM MILETTIA PINNATA" Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. MYTHILIV during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.


V. R. Sridhar
17/4/23

GUIDE


17/4/23
HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


19/4/23

Place : Chennai

Date : 19.04.23


PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**EVALUATION OF ANTIBACTERIAL ACTIVITY OF *PHYLLANTHUS NIRURI* BY
IN-VITRO AND *IN-SILICO* ANALYSIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. NISHAVARSHINI P

Reg. No. 222008039

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ANTIBACTERIAL ACTIVITY OF PHYLLANTHUS NIRURI BY IN-VITRO AND IN-SILICO ANALYSIS." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. NISHAVARSHINI. P during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 18/4/2023

V. Sridhar
15/4/23

INTERNAL GUIDE

B. Srinivas
17/4/23

HEAD OF THE DEPARTMENT

HEAD

DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

K. P. Srinivas
19/4/23

B. Srinivas

HEAD OF THE INSTITUTION

B. Srinivas
17/4/23

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**MOLECULAR DOCKING STUDY AND PASS PREDICTION FOR
ANTINOCICEPTIVE ACTIVITY OF β -SITOSTEROL ISOLATED FROM THE
ROOTS OF MIRABILIS JALAPA LINN.**

DISSERTATION

**Submitted to
UNIVERSITY OF MADRAS**

**In partial fulfilment for the Degree of
BACHELOR OF SCIENCE IN BIOCHEMISTRY**

By

Ms N Pavithra

Reg no. : 222008042




**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

DEPARTMENT OF BIOCHEMISTRY

Soka Ikeda College of Arts & Science for Women

Sethu Bhaskara Nagar, Madhanangkuppam, Chennai – 600 099.



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "**Molecular Docking Study and Pass Prediction for Antinociceptive Activity of β -Sitosterol Isolated from the Roots of *Mirabilis jalapa* Linn.**", submitted to University of Madras in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Biochemistry, is a record of original research work by Ms.N Pavithra during the period of the study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai, under my supervision. Certified further that, to the best of my knowledge the work reported here does not form part of any project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

DATE : 19.04.2023

PLACE : CHENNAI

INTERNAL GUIDE



HEAD OF THE DEPARTMENT



HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

19/4/23

HEAD OF THE INSTITUTION



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**COMPARATIVE EVALUATION OF ANTI-INFLAMMATORY
ACTIVITY OF ASPARAGUS RACEMOSUS ROOT AND
TRIBULUS TERRESTRIS FRUIT**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfilment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

by

Ms. PRATHANNA.R

Reg. No. 222008043

2020 – 2023



DEPARTMENT OF BIOCHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL-2023




PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "COMPARATIVE EVALUATION OF ANTI-INFLAMMATORY ACTIVITY OF ASPARAGUS RACEMOSUS ROOT AND TRIBULUS TERRESTRIS FRUIT." Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. PRATHANNA.R during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 19/04/2023

Anna Sheba L
GUIDE (DR. L. ANNA SHEBA)

[Signature]
17/4/23
HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

[Signature]
19/4/23

[Signature]
17/4/23
HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

[Signature]
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**COMPARATIVE STUDY OF ANTIUROLITHIATIC ACTIVITY
OF ASPARAGUS RACEMOSUS, INDIGOFERA TINCTORIA,
TRIBULUS TERRESTRIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. Ranjani. R

Reg. No. 222008044



2020 – 2023

DEPARTMENT OF BIOCHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "COMPARATIVE STUDY OF ANTIUROLITHIATIC ACTIVITY OF ASPARAGUS RACEMOSUS, INDIGOFERA TINCTORIA, TRIBULUS TERRESTRIS" Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. RANJANI. R during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 29/04/2023

Annasheba L

GUIDE (DR. L. ANNASHEBA)

Sum
17/4/23

HEAD OF THE DEPARTMENT
HEAD

DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099
EXTERNAL EXAMINER

K. R. V.
19/4/23

B
17/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

B

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**ANTIMICROBIAL PROPERTIES OF TRIBULUS TERRESTRIS AGAINST BACTERIAL
STRAINS CAUSING FOOD SPOILAGE AND FOOD POISONING DISEASES**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. REVATHIL R

Reg. No. 222008045

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "ANTIMICROBIAL PROPERTIES OF TRIBULUS TERRESTRIS AGAINST BACTERIAL STRAINS CAUSING FOOD SPOILAGE AND FOOD POISONING DISEASES" Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. REVATHI. R during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

DATE: 29.4.2023

PLACE: CHENNAI

GUIDE *Dr. Anna Sheba L*
(DR. L. ANNA SHEBA)

[Signature] 17/4/23
HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099
EXTERNAL EXAMINER

[Signature]
19/4/23

[Signature] 17/4/23
HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

[Signature]



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

FORMULATION AND EVALUATION OF DISINFECTANT ACTIVITY OF CISSUS

QUADRANGULARIS

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. SABARILS

Reg. No. 222008046

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



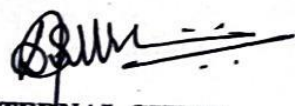
**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

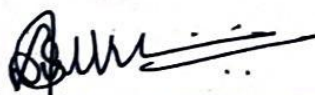
This is to certify that the dissertation entitled "FORMULATION AND EVALUATION OF DISINFECTANT ACTIVITY OF CISSUS QUADRANGULARIS", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SABARI.S during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE : CHENNAI

DATE : 19.04.2023

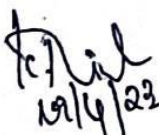


INTERNAL GUIDE



HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER



19/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



**STUDY ON THE OXIDANT AND ANTI OXIDANT STATUS IN THE LIVER
OF NILE TILAPIA EXPOSED TO CIGARETTE TOXICITY**

Submitted to

UNIVERSITY OF MADRAS

In partial fulfilment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. SANGEETHA. K

Reg. No. 222008047

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "STUDY ON THE OXIDANT AND ANTIOXIDANT STATUS IN THE LIVER OF NILE TILAPIA EXPOSED TO CIGARETTE TOXICITY", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SANGEETHA. K during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

GUIDE

Dr. Latha. C
17/04/2023

HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

Place : Chennai

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Date : 19.04.23



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**HPTLC PROFILING AND ANTI-INFLAMMATORY ACTIVITY OF
FITTONIA ALBIVENIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms.SANTHOSHINI.J

Reg. No. 222008048

2020 – 2023



DEPARTMENT OF BIOCHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

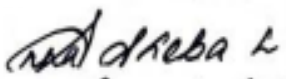
APRIL 2023

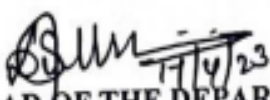


**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "HPTLC PROFILING AND ANTI-INFLAMMATORY ACTIVITY OF FITTONIA ALBIVENIS", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SANTHOSHINI. J during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.



GUIDE (DR. L. ANNA SHEBA)


HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


19/4/23

Place : Chennai


HEAD OF THE INSTITUTION
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Date : 19.04.23





PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**PRELIMINARY INVESTIGATION OF CIGARETTE – AQUA –TOXICITY ON THE
PROXIMATE COMPOSITION OF NILE TILAPIA FISH MUSCLE**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. SELVI.P

Reg. No. 222008049

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "PRELIMINARY INVESTIGATION OF CIGARETTE - AQUA - TOXICITY ON THE PROXIMATE COMPOSITION OF NILE TILAPIA FISH MUSCLE", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SELVI. P during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

GUIDE

DR. LATHA - C
15/04/2023

HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

19/4/23

Place : chennai

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Date : 19.04.23



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

PRELIMINARY PHYTOCHEMICAL SCREENING AND HPTLC

PHYTOCHEMICAL PROFILING OF ARIAL PART OF

ASPARAGUS RACEMOSUS

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

by

Ms. Shalini.C

Reg. No. 222008050

2020 – 2023



DEPARTMENT OF BIOCHEMISTRY

PRINCIPAL

**SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN**

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI - 600 099


CHENNAI -600 099

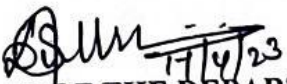
APRIL 2023



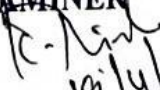
BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "PRELIMINARY PHYTOCHEMICAL SCREENING AND HPTLC PHYTOCHEMICAL PROFILING OF ARIAL PART OF ASPARAGUS RACEMOSUS", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SHALINI. C during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.


GUIDE (DR. L. ANNA SHEBA)



HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER


19/4/23

Place : Chennai

Date : 19.04.23


HEAD OF THE INSTITUTION
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099




PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**HISTOPATHOLOGY STUDY OF GILLS OF NILE TILAPIA REARED IN FISH TANK
DISPERSED WITH CIGARETTES**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Mrs. SHARMILA.S

Reg. No. 222008051

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 039**



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled " HISTOPATHOLOGY STUDY OF GILLS OF NILE TILAPIA REARED IN FISH TANK DISPERSED WITH CIGARETTES", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MRS. SHARMILA. S during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

GUIDE

Dr. Lakshmi
05/04/2023

HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

19/4/23

Place : Chennai

Date : 19.04.23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**ECOTOXICOLOGY IMPACT OF CIGARETTE POLLUTION PROTOTYPE ON
TISSUES DAMAGE MARKER ENZYME ACTIVITY OF NILE TILAPIA**
DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

MS. SNEHA D

Reg. No. 222008052

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled " ECOTOXICOLOGY IMPACT OF CIGARETTE POLLUTION PROTOTYPE ON TISSUES DAMAGE MARKER ENZYME ACTIVITY OF NILE TILAPIA", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS.SNEHA.D during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

Dr. Latha - C
15/04/2023

GUIDE

17/4/23
HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

19/4/23

Place : chennai



17/4/23
HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Date : 19/04/23

18

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**PHYTOCHEMICAL ANALYSIS AND ANTIMICROBIAL ACTIVITY OF
FITTONIA ALBIVENIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Mrs. SOWNDARYA.L

Reg. No. 222008053

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled " PHYTOCHEMICAL ANALYSIS AND ANTIMICROBIAL ACTIVITY OF FITTONIA ALBIVENIS", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MRS. SOWNDARYA.L during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE: CHENNAI

DATE: 19.04.23

GUIDE *Dr. Anna Sheba L*
(DR. L. ANNA SHEBA)

Dr. Anna Sheba L
17/4/23
HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099
EXTERNAL EXAMINER

K. N. N.
9/4/23



Dr. Anna Sheba L
17/4/23
HEAD OF THE INSTITUTION
PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Dr. Anna Sheba L

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**MOLECULAR DOCKING STUDY OF ANTIMICROBIAL ACTIVITY OF AMYRIN
ISOLATED FROM CISSUS QUADRANGULARIS**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. SUGANTHI.M

Reg. No. 222008055

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**




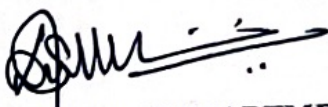
BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "**Molecular Docking Study of Antimicrobial Activity of Amyrin Isolated from Cissus quadrangularis**", submitted to University of Madras in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Biochemistry, is a record of original research work by **Ms.M.Suganthi** during the period of the study in the **Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai**, under my supervision. Certified further that, to the best of my knowledge the work reported here does not form part of any project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

PLACE : CHENNAI

DATE : 19.04.2023



INTERNAL GUIDE


HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099
EXTERNAL EXAMINER



HEAD OF THE INSTITUTION


PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099


PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

**COMPARATIVE ANALYSIS TO EXPLORE THE ECOTOXICOLOGICAL EFFECT OF
CIGARETTE ON TILAPIA 'S LIVER**

DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

Ms. SUJATHA.K

Reg. No. 222008057

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023



**PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099**

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "COMPARATIVE ANALYSIS TO EXPLORE THE ECOTOXICOLOGICAL EFFECT OF CIGARETTE ON TILAPIA'S LIVER", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. SUJATHA. K during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

GUIDE

Dr. Lakshmi. C
15/04/2022

HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

Place : Chennai

Date : 19.04.23



HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

PREPARATION OF HAND SANITIZER FROM SHRIMP SHELL WASTE
DISSERTATION

Submitted to

UNIVERSITY OF MADRAS

In partial fulfillment for the Degree

of

BACHELOR OF SCIENCE

in

BIOCHEMISTRY

By

MS. VIJAYALAKSHMI A

Reg. No. 222008058

2020 – 2023



DEPARTMENT OF BIO CHEMISTRY

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

CHENNAI -99

APRIL 2023

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099



BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "PREPARATION OF HAND SANITIZER FROM SHRIMP SHEEL WASTE", Submitted to University of Madras in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biochemistry, is a record of original research work by MS. VIJAYALAKSHMI.A during the period of her study in the Department of Bachelor of Science in Biochemistry, Soka Ikeda College of Arts and Science for Women, Chennai under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an early occasion on this or any candidate.

V. Sundar
15/4/23

GUIDE

[Signature]
17/4/23

HEAD OF THE DEPARTMENT
HEAD

DEPARTMENT OF BIOCHEMISTRY
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

EXTERNAL EXAMINER

[Signature]
19/4/23

Place: Chennai

[Signature]
17/4/23

HEAD OF THE INSTITUTION

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

Date: 19.04.23



[Signature]

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099