

**" Antimicrobial Activity of Extracts of *Ocimum basilicum.L*
(Sweet Basil) Against Bacterial And Fungal Pathogens "**

A Project Report

Submitted to

**SADAKATHULLAH APPA COLLEGE
(AUTONOMOUS)**

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

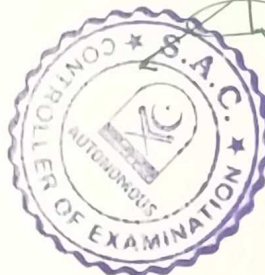
A.ABIRAMI

19SGM01

Under the guidance of

Dr. M. Senthil @ Sankar, M.Sc., M.Phill., Ph.D, PDF

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)

(Affiliated to Manonmaniam Sundaranar University and re-Accredited

with „A“ Grade status by NAAC) Rahmath Nagar,

Tirunelveli -627011

May-2021

**BIOSYNTHESIS OF SILVER NANOPARTICLES USING
FUSARIUM FUNGI AND NANOPARTICLES USED AS
NANOFERTILIZER FOR PLANT GROWTH**

**A Project Report Submitted to
SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)**

**In partial Fulfillment of the Requirement for the Degree of
MASTER OF SCIENCE IN MICROBIOLOGY**

**Submitted By
M.ARUMUGALAKSHMI – 19SGM02**

Under the guidance of

**Dr. Mrs. R Janet Rani M.Sc., M. Phil., Ph.D, Head of the
Department and Assistant Professor,**

RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)

(Affiliated to Manonmaniam Sundaranar University and re-

**Accredited with 'A' Grade status by NAAC) Rahmath Nagar,
Tirunelveli -627011 April,2021**

**WATER PURIFICATION USING BACTERIA MEDIATED SYNTHESIZED
ZINC OXIDE (ZnO) NANOPARTICLES**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

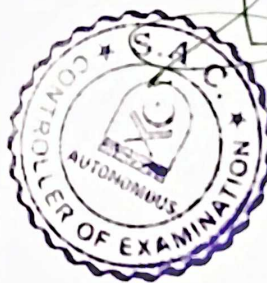
M. CHITHRA

19SGM03

Under the guidance of

Dr. K. CHITRA M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous)(Affiliated to Manonmaniam
Sundaranar University and re-Accredited with „A” Grade status by
NAAC)Rahmath Nagar,Tirunelveli -627011**

May-2021

**ANTIBACTERIAL ACTIVITY OF RUDRAKSHA (*ELAEOCARPUS GANITRUS*) AGAINST
SELECTED BACTERIAL PATHOGENS**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfilment of the requirement for the Degree of
MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

M. GOMATHI MAHESH 19SGM04

Under the guidance of

**Dr. M. Suriya Prabha, M.Sc., Ph.D., NPDF (DST-SERB) and Dr. K. Kavitha, M.Sc., Ph.D.,
Assistant Professors of the Department,
PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY**



**Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam Sundaranar
University and re-Accredited with "A" Grade status by NAAC)
Rahmath Nagar, Tirunelveli -627011 April - 2021.**

ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF
SALVADORA PERSICA (CHEWING STICK) AGAINST ORAL PATHOGENS AND
TRADITIONAL USES

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

K. MAHESHWARI

19SGM05

Under the guidance of

Dr. Mrs. R. JANET RANI M.Sc., M.Phil., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam
Sundaranar University and re-Accredited with "A" Grade status by NAAC)
Rahmath Nagar, Tirunelveli -627011

April-2021

**EVALUATION OF PHYTOCHEMICAL ANALYSIS AND
ANTIBACTERIAL PROPERTY OF *SOLANUM LYCOPERSICUM*
FRUIT (TOMATO) AGAINST UTI CAUSING BACTERIAL SPECIES**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

J. MAHIMA

19SGM06

Under the guidance of

Dr. K. FERUZ KHAN, M.Sc., M.Phil., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)(Affiliated to Manonmaniam

Sundaranar University and re-Accredited with "A" Grade status by

NAAC) Rahmath Nagar, Tirunelveli -627011

May-2021

ANTIBACTERIAL ACTIVITY OF BETAL LEAF AGAINST PATHOGENS AND MEDICINAL APPLICATIONS

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

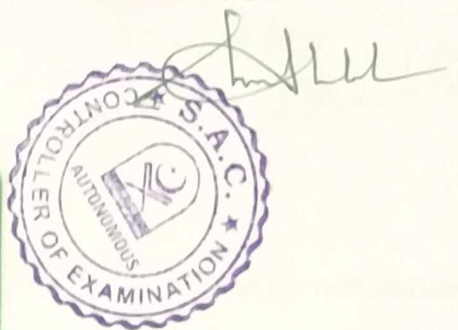
Miss. P.MURUGESWARI

19SGM07

Under the guidance of

Dr. Mrs. R. JANET RANI M.Sc., M.Phil., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam
Sundaranar University and re-Accredited with „A“ Grade status by NAAC) Rahmath
Nagar, Tirunelveli -627011**

April-2021

**ISOLATION AND CHARACTERIZATION OF *AZOTOBACTER* SP
PGPR FROM GRASS ENDOPHYTES**

**A Project Report Submitted to
SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)**

**In partial Fulfillment of the Requirement for the Degree of
MASTER OF SCIENCE IN MICROBIOLOGY**

**Submitted By
R.MUTHULAKSHMI – 19SGM08**

**Under the guidance of
Dr. Mr. M.SENTHIL@ SANKAR M.Sc., M. Phil., NET.,Ph. D, PDF.**

**Assistant Professor,
RESEARCH DEPARTMENT OF MICROBIOLOGY**



**Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University and re-
Accredited with 'A' Grade status by NAAC)**

Rahmath Nagar, Tirunelveli -627011

April 2021

**EMPLOYING BIOLUMINESCENCE BACTERIA TO DETECT
HEAVY METALS IN WATER**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

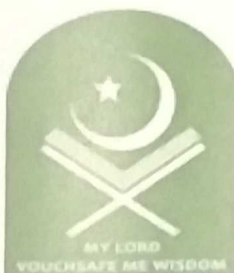
S.RAJESWARICHANDRA

19SGM09

Under the guidance of

Dr. K.CHITRA M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous)(Affiliated to Manonmaniam
Sundaranar University and re-Accredited with „A” Grade status by NAAC)**

Rahmath Nagar, Tirunelveli -627011

May-2021

**ISOLATION AND CHARACTERIZATION OF PGPR STRAINS FROM
GRASS ENDOPHYTES**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

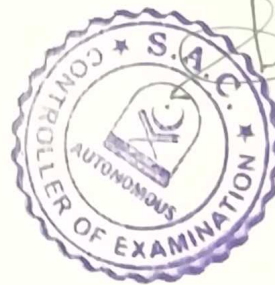
R. SHEELA @ SHEEBA

19SGM10

Under the guidance of

Dr. M. SENTHIL @ SANKAR M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam Sundaranar

University and re-Accredited with "A" Grade status by NAAC)

Rahmath Nagar, Tirunelveli -627011

April – 2021

PRODUCTION OF SINGLE CELL PROTEIN FROM VEGETABLE AND FRUIT
WASTES USING *LACTOBACILLUS SP.* AND *SACCHAROMYCES SP.*

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of
MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

J. SHIFANA AMATH

19SGM11

Under the guidance of

Dr. M. Suriya Prabha, M.Sc., Ph.D., NPDF (DST-SERB)

And

Dr. K.Kavitha, M.Sc., Ph.D.,

Assistant Professors of the Department,

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University
And re-Accredited with "A" Grade status by NAAC)
Rahmath Nagar, Tirunelveli -627011

April -2021.

7

**FABRICATION OF CHITOSAN BASED COPPER NANOPARTICLES AND ITS
ANTIBACTERIAL ACTIVITY AGAINST PLANT PATHOGEN**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

G. SUBBU LAKSHMI

19SGM12

Under the guidance of

Dr. K. CHITRA M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam
Sundaranar University and re-Accredited with „A” Grade status by NAAC)**

Rahmath Nagar, Tirunelveli -627011

MAY-2021

**BIOCONVERSION OF TEA WASTES USING ECOFRIENDLY
TREATMENTS FOR PLANT GROWTH PROMOTION**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

M. ABDUL LATHEEF

19SGM13

Under the guidance of

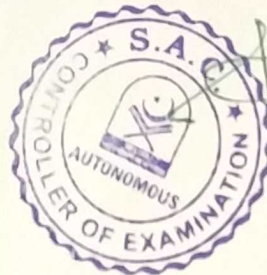
Dr. M. Suriya Prabha, M.Sc., Ph.D., NPDF (DST-SERB)

And

Dr. K.Kavitha, M.Sc., Ph.D.,

Assistant Professors of the Department,

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam
Sundaranar University and re-Accredited with "A" Grade status by NAAC)**

Rahmath Nagar, Tirunelveli – 627011

APRIL-2021

**ANTIMICROBIAL SUSCEPTIBILITY OF *NIGELLA SATIVA* AND
CISUSS QUNDRAGULARIS AGAINST ENTERIC PATHOGENS**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

V K U BASEERUDEEN BADUSHA

19SGM14

Under the guidance of

Dr. M.MANO HAR M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University)

Re-accredited with, A Grade status by NAAC)

Rahmath Nagar, Tirunelveli -627011

May -2021

**PRODUCTION OF EXPOLYSACCHARIDES FROM LACTIC ACID
BACTERIA (LAB) USING DIFFERENT DAIRY PRODUCT**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

M.S. MOHAMED ABDUL RASITH

19SGM15

Under the guidance of

Dr. M. MANOHAR M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University)
Re-Accredited with „A“ Grade status by NAAC)

Rahmath Nagar, Tirunelveli -627011

MAY-2021

**COMPARATIVE ANALYSIS GROWTH OF *VIGNA RADIATE* GREEN GRAM
WITH PAHNCHAKAVYA AND PLANT PROBIOTICS**

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

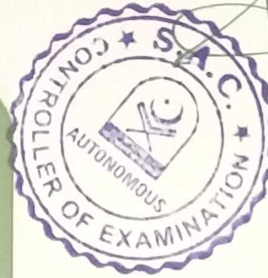
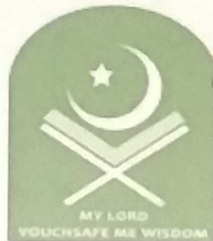
A. MOHAMED THOUFEEK

19SGM16

Under the guidance of

Dr. M.MANOHAR M.Sc., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous)
Affiliated to Manonmaniam Sundaranar University
Re-Accredited with "A" Grade status by NAAC
Rahmath Nagar, Tirunelveli – 627011
MAY-2021**

ANTIBACTERIAL ACTIVITY OF *HEMIDESMUS INDICUS* ROOT AGAINST URINARY TRACT INFECTION PATHOGENS

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

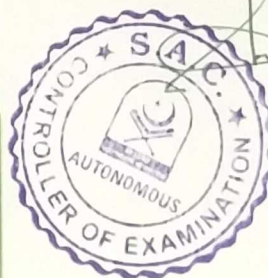
C SANTHOSH KUMAR

19SGM18

Under the guidance of

Dr. K. Feroz Khan.M.SC., M.Phil., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University)

Re-accredited with, A Grade status by NAAC)

Rahmath Nagar, Tirunelveli -627011

May -2021

ANTIBACTERIAL ACTIVITY OF *HEMIDESMUS INDICUS* ROOT AGAINST URINARY TRACT INFECTION PATHOGENS

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

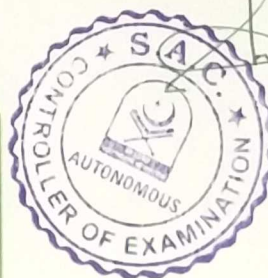
C SANTHOSH KUMAR

19SGM18

Under the guidance of

Dr. K. Feroz Khan.M.SC., M.Phil., Ph.D.,

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



Sadakathullah Appa College (Autonomous)
(Affiliated to Manonmaniam Sundaranar University)

Re-accredited with, A Grade status by NAAC)

Rahmath Nagar, Tirunelveli -627011

May -2021

**EFFECTS OF AZITHROMYCIN EXPOSURE ON THE EARTHWORM
*EUTRILUS EUGINAE***

A Project Report

Submitted to

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)

In partial fulfillment of the requirement for the Degree of

MASTER OF SCIENCE IN MICROBIOLOGY

Submitted By

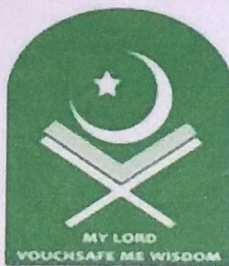
B. SUKUMAR

19SGM19

Under the guidance of

Mr. S. HAMEEDULLAH SHERIEF M.Sc., MPhil., SET.

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY



**Sadakathullah Appa College (Autonomous) (Affiliated to Manonmaniam
Sundaranar University and re-Accredited with "A" Grade status by NAAC)
Rahmath Nagar, Tirunelveli -627011**

APRIL - 2021