

CERTIFICATE

This is to certify that the work contained in the thesis entitled "DETERMINATION OF GROWTH YIELD AND NUTRIENT CONCENTRATION FOR MUSHROOM CULTIVATION BY USING SEAWEED AMENDED RICE STRAW SUBSTATE USING SEAWEEDES" submitted by M. DHILSATH PARVEEN (20BMB0005) in the award of the degree of Bachelor of Science in Microbiology to the Thassim Beevi Abdul Kader College for Women , Kilakarai, during the academic year 2022-2023. The Dissertation has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any other candidate of any University/Institution.



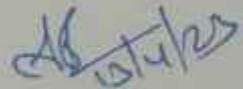
Signature of the HOD



Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology



Internal Examiner



External Examiner

Place : Kilakarai

Date : 13 : 04 : 2023

CERTIFICATE

This is to certify that the work contained in the thesis entitled "**production of bio cement by using *Bacillus subtilis***", submitted by ARUNA.I (Reg.No:21MMB0003) for the award of the degree of Master of science in Microbiology to the ThassimBeevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Date: 10.4.23

Place: Kilakarai



Signature of the Supervisor

Dr. Shiela Chetri,
Head,
Department of Microbiology,
ThassimBeevi Abdul Kader College for Women.

Approved by:



Head of the Department

N. Monisha
10/4/23
Internal Examiner



External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled **ANTIMICROBIAL ACTIVITY OF *Ipomea carnea* PLANT EXTRACT AGAINST DANDRUFF CAUSING BACTERIA AND FUNGI** submitted by **LJANNATHUL FIRTHOUS** (Reg.No:18BMB0010) for the award of the degree of **B.Sc Microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Date: 12-04-2023.
Place: KILAKARAI.

P. Hajiral

Signature of Supervisor
P. Mohamed Hajiral Begum
Department of Microbiology
Assistant Professor
Thassim Beevi Abdul Kader College for women

Approved by

Slu
12/4/23

Head of the Department

M

Internal Examiner

AB
13/4/23

External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled "**Synthesis of silver nanoparticles from leaf extract of *Leucas aspera* and camphor as a larvicidal agent**", submitted by **M.Aruna Devi (Reg.No:21MMB0002)** for the award of the degree of **Master of science in microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Date: 10.4.23

Place: Kilakarai

G. Hemapoojavalli
10/4/23

Signature of the Supervisor

Dr.G.Hemapoojavalli,

Assistant professor,

Department of Microbiology,

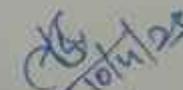
Thassim Beevi Abdul Kader College for Women.

Approved by:


10/4/23

Head of the Department

D. Monisha
10/4/23
Internal Examiner

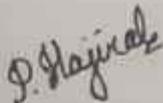

10/4/23
External Examiner

CERTIFICATE

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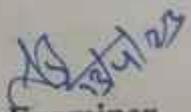
Date: 12.04.2023
Place: KILAKARAI


Signature of Supervisor
P. Mohamed Hajiral Begum
Department of Microbiology
Assistant Professor
Thassim Beevi Abdul Kader College for women

Approved by


Head of the Department


Internal Examiner


External Examiner

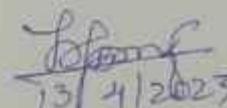
CERTIFICATE

This is to certify that the work contained in the thesis entitled "IDENTIFYING ANTI-CARDIOVASCULAR COMPOUND FROM *Indigofera tinctoria* AND *Syzgium aromaticum* USING LIGAND BASED DESIGN AND ANIMAL MODEL", submitted by K.AMIRTHA HARSHINI (Reg no:20BMB0003) for the award of the degree of Microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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DATE: 13/04/2023

PLACE: KILAKARAI



13/4/2023

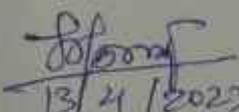
Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

Approved by:



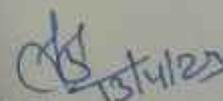
13/4/23

Head of the Department



13/4/2023

Internal Examiner



13/4/23

External Examiner

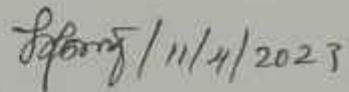
CERTIFICATE

This is to certify that the work contained in the thesis entitled "EVALUATING AND IDENTIFYING THE PHARMACOLOGICAL ACTIVITIES OF *Cissus quadrangularis* USING MOLECULAR DOCKING AND ANIMAL MODEL" submitted by Ms. M.J. AFRA (Register No: 20BMB0002) in the award of the degree of Bachelor of Science in Microbiology to the **Thassim Beevi Abdul Kader College for Women, Kilakarai**, is a record of bonafide research works carried out by her under my supervision.

I consider that the thesis had reached the standards and the fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Place: Kilakarai

Date: 11.04.2023



Signature of the Supervisor

Dr. K. ARUNTHATHI,

Assistant Professor,

Department of Microbiology,

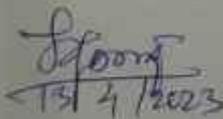
Thassim Beevi Abdul Kader

College for Women

Approved by



Head of the Department



Internal Examiner



External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled "ANTIBACTERIAL ACTIVITIES OF *BOERHAVIA DIFFUSA* AGAINST METHICILLIN RESISTANCE *STAPHYLOCOCCUS AUREUS* (MRSA)", submitted by K.AVITHA (Reg.No: 20BMB0004) for the award of the degree of Bachelor of science in microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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Date: 12.04.2023

Place: KILAKARAI.

G. Hemapoojavalli 12/4/23

Signature of Supervisor

Dr.G.Hemapoojavalli,
Assistant professor,

Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

12/4/23

Head of the Department

12/4/23

Internal Examiner

12/4/23

External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled **ANTIMICROBIAL ACTIVITY OF *Ipomea carnea* PLANT EXTRACT AGAINST DANDRUFF CAUSING BACTERIA AND FUNGI** submitted by **T. ABIRAMI** (Reg.No:20BMB0001) for the award of the degree of **BSc Microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Date: 12-04-2023

Place: KILAKARAI.

P. Hajiral

Signature of Supervisor

P. Mohamed Hajiral Begum

Department of Microbiology

Assistant Professor

Thassim Beevi Abdul Kader College for women

Approved by

[Signature]
12/4/23

Head of the Department

[Signature]

Internal Examiner

[Signature]
15/4/23

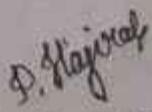
External Examiner

CERTIFICATE

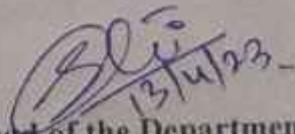
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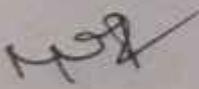
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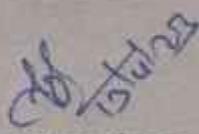
Date: 15/04/2025
Place: KILAKARAI


Signature of Supervisor
P. Mohamed Hajiral Begum
Assistant Professor
Department of Microbiology
Thassim Beevi Abdul Kader College for women

Approved by


Head of the Department


Internal Examiner


External Examiner

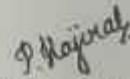
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Date: 12-04-2023

Place: KILAKARAI



Signature of Supervisor

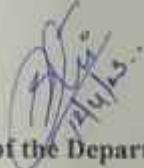
P. Mohamed Hajiral Begum

Department of Microbiology

Assistant Professor

Thassim Beevi Abdul Kader College for women

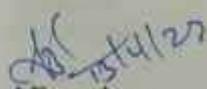
Approved by



Head of the Department



Internal Examiner



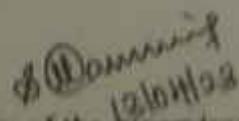
External Examiner

CERTIFICATE

This is to certify that the dissertation entitled **PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND PROPERTIES OF EUPHORBIA MILII (CROWN THORN) IN FOOD PRESERVATIVES** submitted in partial fulfillment of the requirement for the award of the degree Bachelor of science in microbiology is record of original project work done by us under the supervision and guidance of **Ms.S.MANIBALA M.Sc Assistant professor, Department Microbiology, Thassim Beevi Abdul Kader College for womens, kilakarai,** during the academic year 2022-2023. The Dissertation has not formed the basis for the award of any Degree/ Diploma/ Associate ship/ Fellowship or other similar title to any other candidate of any University/ institution.

DATE: 13-11-23

PLACE: KILAKARAI



Signature of the supervisor
Ms.S.MANIBALA

Assistant Professor,

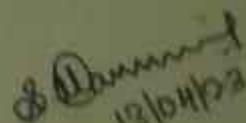
Department of Microbiology,

Thassim Beevi Abdul Kader College For Womens.

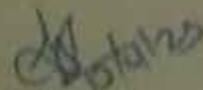
Approved by:



Head of the Department



Internal Examiner



External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled "ANTIBACTERIAL ACTIVITIES OF *BOERHAVIA DIFFUSA* AGAINST METHICILLIN RESISTANCE *STAPHYLOCOCCUS AUREUS* (MRSA)", submitted by S.MONIKA (Reg.No: 20BMB0017) for the award of the degree of Bachelor of science in microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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Date: 12.04.2023

Place: Kilakarai

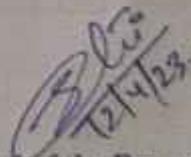
G. Hemapoojavalli
12/4/23

Signature of Supervisor

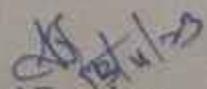
Dr. G. Hemapoojavalli,
Assistant professor,

Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

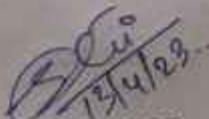

12/4/23.
Head of the Department

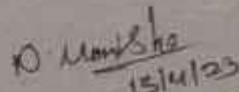

Internal Examiner

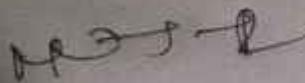

12/4/23
External Examiner

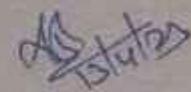
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Signature of the HOD


Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology


Internal Examiner


External Examiner

Place : Kilakarai

Date : 13/04/2023

CERTIFICATE

This is to certify that the dissertation entitled **PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND PROPERTIES OF EUPHORBIA MILII (CROWN THRON) IN FOOD PRESERVATIVES** submitted in partial fulfillment of the requirement for the award of the degree Bachelor of science in microbiology is record of original project work done by us under the supervision and guidance of **Ms.S.MANIBALA M.Sc** Assistant professor, Department Microbiology, Thassim Beevi Abdul Kader College for womens, kilakarai, during the academic year 2022-2023 The Dissertation has not formed the basis for the award of any Degree/ Diploma/ Associate ship/ Fellowship or other similar title to any other candidate of any University/ institution.

DATE: 13.04.2023

PLACE: Kilakarai.

S. Manibala
13/04/23

Signature of the supervisor

Ms. S .MANIBALA

Assistant Professor,

Department of Microbiology,

Thassim Beevi Abdul Kader College For Womens.

Approved by:

[Signature]
13/4/23

Head of the Department

S. Manibala
13/04/23
Internal Examiner

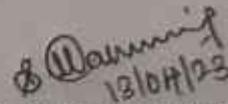
[Signature]
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DATE: 13/04/2023

PLACE: KILAKARAI


13/04/23

Signature of the supervisor

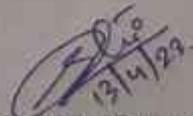
Ms.S.MANIBALA

Assistant Professor,

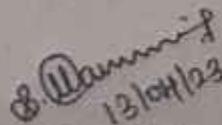
Department of Microbiology,

Thassim Beevi Abdul Kader College For Womens.

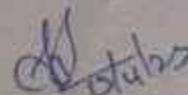
Approved by:


13/4/23

Head of the Department


13/04/23

Internal Examiner


stubs

External Examiner

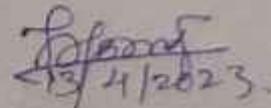
CERTIFICATE

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DATE: 13/04/2023

PLACE: KILAKARAI

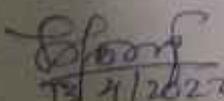


Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

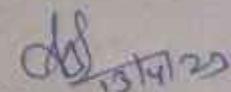
Approved by:



Head of the Department



Internal Examiner



External Examiner

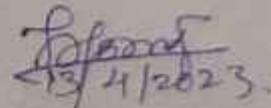
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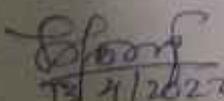
13/4/2023

Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

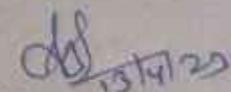
Approved by:



13/4/23
Head of the Department



13/4/2023
Internal Examiner



13/4/23
External Examiner

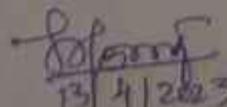
CERTIFICATE

This is to certify that the work contained in the thesis entitled "IDENTIFYING ANTI-CARDIOVASCULAR COMPOUND FROM *Indigofera tinctoria* AND *Syzigium aromaticum* USING LIGAND BASED DESIGN AND ANIMAL MODEL", submitted by B. VARSHINI (Reg no:20BMB0047) for the award of the degree of Microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

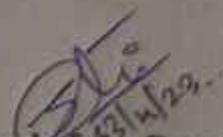
DATE: 13/04/2023

PLACE: KILAKARAI

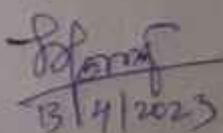


Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

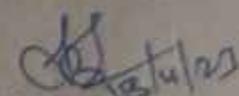
Approved by:



Head of the Department



Internal Examiner



External Examiner

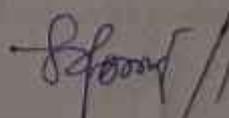
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DATE: 13/04/2023

PLACE: KILAKARAI

 / 13/4/2023

Signature of the Supervisor

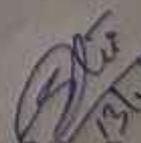
DR. K. ARUNTHATHI M. Sc., M. Phil.,

Assistant professor

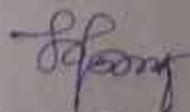
Department of Microbiology

Thassim Beevi Abdul Kader College for Women

Approved by:

 / 13/4/23

Head of the Department

 / 13/4/2023

Internal Examiner

 / 13/4/23

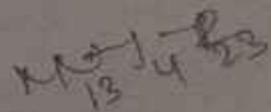
External Examiner

CERTIFICATE

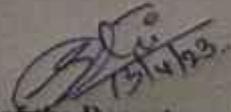
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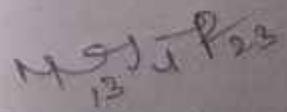
Place: Kilakarai

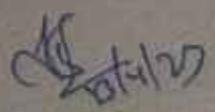
Date: 13.04.2023


Signature of the Supervisor
Mrs. M. Narayani, M.Sc.,
Assistant Professor,
Department of Microbiology
Thassim Beevi Abdul Kader
College for Women

Approved by

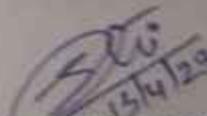

Head of the Department

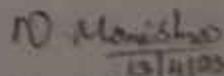

Internal Examiner

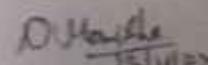

External Examiner

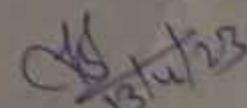
CERTIFICATE

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Signature of the HOD


Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology


Internal Examiner


External Examiner

Place : Kilakarai

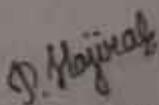
Date : 18/4/23

CERTIFICATE

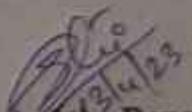
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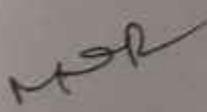
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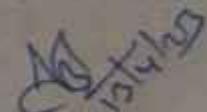
Date: 13.04.2023
Place: KILAKARAI


Signature of Supervisor
P. Mohamed Hajiral Begum
Department of Microbiology
Assistant Professor
Thassim Beevi Abdul Kader College for women

Approved by


Head of the Department


Internal Examiner


External Examiner

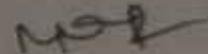
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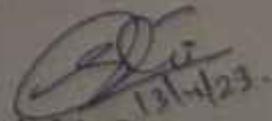
Place: Kilakarai

Date: 13.04.2023



Signature of the Supervisor
Mrs. M. Narayani, M.Sc.,
Assistant Professor,
Department of Microbiology
Thassim Beevi Abdul Kader
College for Women

Approved by



Head of the Department



Internal Examiner



External Examiner

CERTIFICATE

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Place: Kilakarai

Date: 13.04.2023



Signature of the Supervisor

Mrs. M. Narayani, M.Sc.,

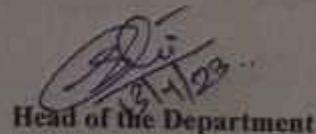
Assistant Professor,

Department of Microbiology

Thassim Beevi Abdul Kader

College for Women

Approved by



Head of the Department



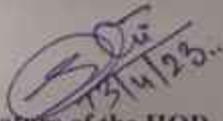
Internal Examiner



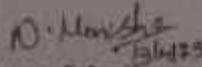
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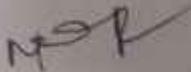
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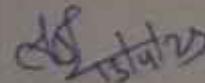
Signature of the HOD



Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology



Internal Examiner



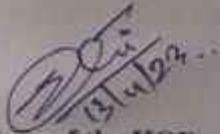
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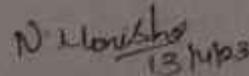
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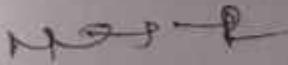
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Signature of the HOD



Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology



Internal Examiner



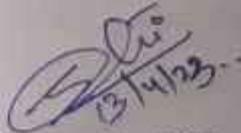
External Examiner

Place : Kilakarai

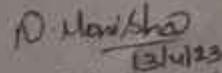
Date : 13.04.2023

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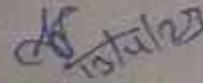
Signature of the HOD



Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology



Internal Examiner



External Examiner

Place : Kilakarai

Date : 13.4.2023

CERTIFICATE

This is to certify that the dissertation entitled **PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND PROPERTIES OF EUPHORBIA MILII (CROWN THRON) IN FOOD PRESERVATIVES** submitted in partial fulfillment of the requirement for the award of the degree Bachelor of science in microbiology is record of original project work done by us under the supervision and guidance of **Ms S.MANIBALA M.Sc** Assistant professor, Department Microbiology, Thassim Beevi Abdul Kader College for womens, kilakarai, during the academic year 2022-2023 The Dissertation has not formed the basis for the award of any Degree/ Diploma/ Associate ship/ Fellowship or other similar title to any other candidate of any University/ institution.

DATE: 13/4/23

PLACE: KILAKARAI

S. Manibala
13/04/23

Signature of the supervisor
Ms. S.MANIBALA

Assistant Professor,
Department of Microbiology,
Thassim Beevi Abdul Kader College For Womens.

Approved by:

[Signature]
13/4/23

Head of the Department

S. Manibala
13/04/23

Internal Examiner

[Signature]
13/4/23

External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled "**ANTIBACTERIAL ACTIVITIES OF BOERHAVIA DIFFUSA AGAINST METHICILLIN RESISTANCE STAPHYLOCOCCUS AUREUS (MRSA)**", submitted by **M.SALMIYA FATHIMA** (Reg.No: 20BMB0034 for the award of the degree of Bachelor of science in microbiology to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

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Date: 12/4/23

Place: KILAKARAI

G. Harapoojavalli 12/4/23

Signature of Supervisor

Dr.G.Hemapoojavalli,

Assistant professor,

Department of Microbiology,

Thassim Beevi Abdul Kader College for Women.

Approved by:

12/4/23

Head of the Department

MSP

Internal Examiner

12/4/23

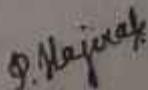
External Examiner

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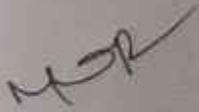
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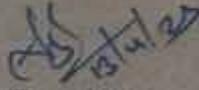
Date: 12.04.2023
Place: KILAKARAI


Signature of Supervisor
P. Mohamed Hajiral Begum
Department of Microbiology
Assistant Professor
Thassim Beevi Abdul Kader College for women

Approved by

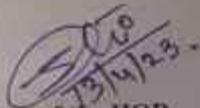

Head of the Department


Internal Examiner

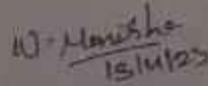

External Examiner

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13/4/23

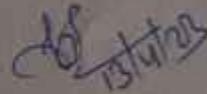
Signature of the HOD


15/4/23

Signature of the Supervisor
DR.N.MONISHA
Assistant Professor
Department of Microbiology



Internal Examiner


13/4/23

External Examiner

Place : Kilakarai

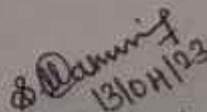
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DATE: 13/4/23

PLACE: KILAKARAI


13/04/23

Signature of the supervisor

Ms. S.MANIBALA

Assistant Professor,

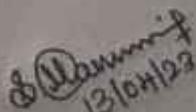
Department of Microbiology,

Thassim Beevi Abdul Kader College For Womens.

Approved by:


13/4/23

Head of the Department


13/04/23

Internal Examiner


13/4/23

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G. Hemapoojavalli
12/4/23

Signature of Supervisor

Dr.G.Hemapoojavalli,

Assistant professor,

Department of Microbiology,

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Approved by:

12/4/23

Head of the Department

MSA

Internal Examiner

12/4/23

External Examiner

CERTIFICATE

This is to certify that the dissertation entitled **PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND PROPERTIES OF EXPIRIBIUS GELI (CINNAMY TERPEN) IN FOOD PRESERVATIVES** submitted as partial fulfillment of the requirement for the award of the degree Bachelor of science in microbiology a record of original project work done by us under the supervision and guidance of **Ms. S. MANIBALA** M.Sc. Assistant professor, Department Microbiology, Thiruvattar Devi Ahalu Kalar College for women, Kizhambur, during the academic year 2022-2023. The Dissertation has not formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other similar title or any other accolade of any University institution.

DATE: 13-4-2023

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Signature of the supervisor

Ms. S. MANIBALA

Assistant Professor,

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Approved by:



Head of the Department



Internal Examiner



External Examiner

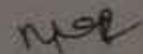
CERTIFICATE

This is to certify that the work contained in the thesis entitled "PHYTOCHEMICALS ANALYSIS, ANTIMICROBIAL ACTIVITY, GC-MS ANALYSIS AND MOLECULAR DOCKING FROM THE SOUTH INDIAN SEAGRASS *Thalassia testudinum*" submitted by Ms. S. SEBINA ANTONYA (Register No: 20BMB0037) in the award of the degree of Bachelor of Science in Microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my supervision.

I consider that the thesis had reached the standards and the fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Place: Kilakarai

Date: 13-04-2023



Signature of the Supervisor

Mrs. M. Narayani, M.Sc.,

Assistant Professor,

Department of Microbiology

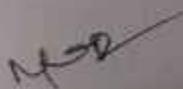
Thassim Beevi Abdul Kader

College for Women

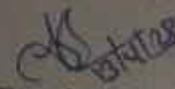
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Head of the Department



Internal Examiner



External Examiner

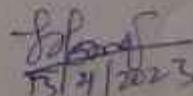
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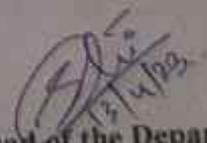
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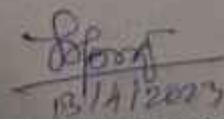
PLACE: Kilakarai

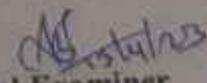

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Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

Approved by:


13/4/2023
Head of the Department


13/4/2023
Internal Examiner


13/4/23
External Examiner

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I consider that the thesis had reached the standards and the fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Place: Kilakarai

Date: 13-04-2023

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Signature of the Supervisor

Mrs. M.Narayani, M.Sc.,
Assistant Professor,
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Thassim Beevi Abdul Kader
College for Women

Approved by

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13/4/23

Head of the Department

MNS
13/4/23

Internal Examiner

NS
13/4/23

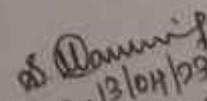
External Examiner

CERTIFICATE

This is to certify that the dissertation entitled **PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND PROPERTIES OF EUPHORBIA MILII (CROWN THRON) IN FOOD PRESERVATIVES** submitted in partial fulfillment of the requirement for the award of the degree Bachelor of science in microbiology is record of original project work done by us under the supervision and guidance of Ms.S.MANIBALA M.Sc Assistant professor, Department Microbiology, Thassim Beevi Abdul Kader College for womens, kilakarai, during the academic year 2022-2023 The Dissertation has not formed the basis for the award of any Degree/ Diploma/ Associate ship/ Fellowship or other similar title to any other candidate of any University/ institution.

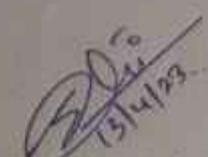
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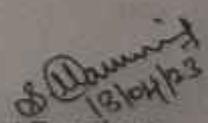
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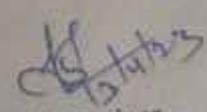

Signature of the supervisor
Ms.S.MANIBALA
Assistant Professor,
Department of Microbiology,
Thassim Beevi Abdul Kader College For Womens.

Thassim Beevi Abdul Kader College For Womens.

Approved by:


Head of the Department


Internal Examiner


External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled **ANTIMICROBIAL ACTIVITY OF *Ipomea carnea* PLANT EXTRACT AGAINST DANDRUFF CAUSING BACTERIA AND FUNGI** submitted by **T.THAJUL KIFAYA** (Reg.No:20BMB0043) for the award of the degree of **B.Sc Microbiology** to the **Thassim Beevi Abdul Kader College for Women, Kilakarai** is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Date: 13.4.2023
Place: KILAKARAI

P. Hajiral

Signature of Supervisor
P. Mohamed Hajiral Begum
Department of Microbiology
Assistant Professor
Thassim Beevi Abdul Kader College for women

Approved by

[Signature]
13/4/23
Head of the Department

[Signature]
Internal Examiner

[Signature]
13/4/23
External Examiner

FORWARD

This report contains the results of the research conducted by the student named [Name] during the course of the [Degree] program. The research was conducted under the supervision of the [Supervisor] and the results are presented in this report. The research was conducted in the [Department] of the [University] and the results are presented in this report. The research was conducted in the [Department] of the [University] and the results are presented in this report. The research was conducted in the [Department] of the [University] and the results are presented in this report.

Name: [Name]
Date: [Date]

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

Approved by

[Signature]

[Signature]
Internal Examiner

[Signature]
External Examiner

CERTIFICATE

This is to certify that the work contained in the thesis entitled "ANTIBACTERIAL ACTIVITIES OF *BOERHAVIA DIFFUSA* AGAINST METHICILLIN RESISTANCE *STAPHYLOCOCCUS AUREUS* (MRSA)", submitted by A.THARSHIKA (Reg.No: 20BMB0045) for the award of the degree of Bachelor of science in microbiology to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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Date: 12/04/2023

Place: KILAKARAI

G. Hemapoojavalli 12/4/23

Signature of Supervisor
Dr. G. Hemapoojavalli,
Assistant professor,

Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

12/4/23
Head of the Department

MSK
Internal Examiner

12/4/23
External Examiner

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Place: KILAKARAI

G. Hemapoojavalli 12/4/23

Signature of Supervisor
Dr. G. Hemapoojavalli,
Assistant professor,

Department of Microbiology,
Thassim Beevi Abdul Kader College for Women.

Approved by:

12/4/23
Head of the Department

MSK
Internal Examiner

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External Examiner

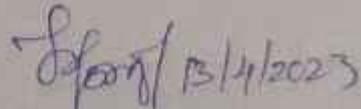
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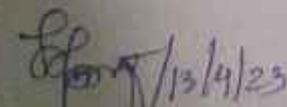
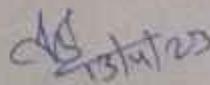
DATE: 13-04-2023

PLACE: KILAKARAI



Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

Approved by:


Head of the Department
Internal Examiner
External Examiner

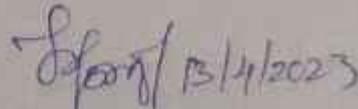
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DATE: 13-04-2023

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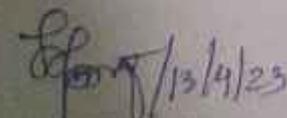


Signature of the Supervisor
DR. K. ARUNTHATHI M. Sc., M. Phil.,
Assistant professor
Department of Microbiology
Thassim Beevi Abdul Kader College for Women

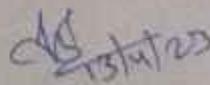
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Head of the Department



Internal Examiner



External Examiner