

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Phytochemical Analysis and In silico anti-Liptospiral Activity Of *Strychnos-Nux* Leaf Extract", submitted by Gowmiyaa G (Reg No: 21MCH0005) for the award of the degree of Master of Science 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.

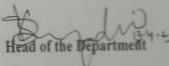
I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university/college.

Date: 13.4.23  
Place: Kilakarai

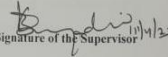
  
Signature of the Supervisor

Dr. A. Savitha  
Associate professor,  
Department of Chemistry  
Thassim Beevi Abdul Kader College For

Women.  
Approved by:


  
Head of the Department

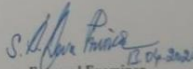
Approved by,

  
Signature of the Supervisor

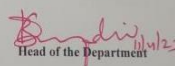
Date: 13.04.2023  
Place: Kilakarai

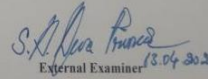
Dr. Bavya Devi K  
Head, Department of Chemistry  
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Internal Examiner 13/4/23

  
External Examiner 13.04.2023

  
Internal Examiner 13/4/23

  
Head  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women  
Kilakarai: 623517 Ramnathapuram . . .

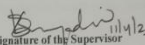
  
External Examiner 13.04.2023

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Carragenan Based Composite Film Dressing For Effective Wound Healing Application", submitted by AISHWARYA K (Reg No: 21MCH0001) for the award of the degree of Master of Science in Chemistry 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

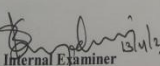
  
Signature of the Supervisor

Dr. K. Bavya Devi,  
Head, Department of Chemistry,  
Thassim Beevi Abdul Kader College for Women

Approved by:

  
Head of the Department

Head  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women  
Kilakarai: 623517 Ramnathapuram . . .

  
Internal Examiner 13/4/23

  
External Examiner 13.04.2023


Approved by

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Optimization of pesticides residue removal from vegetable using Beta cyclodextrin", submitted by AL THUHBA A (Regd. No.: 21MCH0002) for the award of the degree of M.Sc Chemistry 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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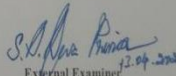
Date: 13.04.2023  
Place: Kilakarai

  
Signature of the Supervisor

Dr. A. SAVITHA  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women

  
Internal Examiner 13/4/23

  
Signature of HOD

  
External Examiner 13.04.2023

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Green Synthesis and Characterization of Iron Oxide Nanoparticles Using Brown Seaweed Extract of *Turbinaria Ornata*", submitted by DEEPIKA T (Reg. No: 21MCH0003) for the award of the degree of Master of Science in Chemistry to the Thassim Bevi 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

*N. Priya* 13/04/2023  
Signature of the Supervisor

Mrs. PRIYA N  
Assistant Professor  
Department of Chemistry  
Thassim Bevi Abdul Kader College for Women

Approved by

*D. Srinivas* 13/4/23  
Signature of HOD

*S. S. Anuradha* 13.04.2023  
External Examiner

*D. Srinivas* 13/4/23  
Internal Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Eco-friendly superhydrophobic Coatings: A Green Synthesis Approach Using *Biosilica and Silver Nanoparticles*", submitted by A.MARIAM AYSHA (Reg No: 21MCH0007) for the award of the degree of Chemistry to the Thassim Bevi 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. Indurani*  
Signature of the supervisor

P. INDURANI  
Assistant professor of chemistry  
Department of Chemistry  
Thassim Bevi Abdul Kader College for Women

Approved by

*D. Srinivas* 13/4/23  
Head of the Department

*D. Srinivas* 13/4/23  
Internal Examiner

*S. S. Anuradha* 13.04.2023  
External Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Computational studies on the atmospheric chemistry of nitrous oxide", submitted by Rahmath fathima S (Reg No: 21MCH008) for the award of the degree of Master of Science to the Thassim Bevi 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: 13/4/23  
Place: Kilakarai

*Dr. A. Suvitha*  
Signature of the Supervisor

Dr. A. Suvitha,  
Assistant professor, Department of Chemistry,  
Thassim Bevi Abdul Kader College for Women

Approved by:

*D. Srinivas* 13/4/23  
Head of the Department

*S. S. Anuradha* 13.04.2023  
External Examiner

*D. Srinivas* 13/4/23  
Internal Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Green Synthesis and Characterization of Titanium dioxide Nanoparticles Using green coconut Extracts of *coscos nucifera linn shell*", submitted by SABRIN SUHAINA P. (Regd. No.: 21MCH0009) for the award of the degree of M.Sc CHEMISTRY to the Thassim Bevi 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

*Dr. A. Suvitha* 13/4/23  
Signature of the Supervisor

Dr. A. SUVITHA  
Department of Chemistry  
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Approved by

*D. Srinivas* 13/4/23  
Signature of HOD

*D. Srinivas* 13/4/23  
Internal Examiner

*S. S. Anuradha* 13.04.2023  
External Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Green Synthesis and Characterization of Magnesium Oxide Nanoparticles Using chitosan Extract from Shrimp shells" submitted by YASMIN HIMANA M (Regd. No.: 21MCH0012) for the award of the degree of M.Sc CHEMISTRY to the Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carriedout by her under my direct supervision.

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Date: 13/04/23  
Place: Kilakarai

*[Signature]*  
N: Priya  
13/04/2023  
Signature of the Supervisor

PRIYA N  
Assistant Professor  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women

Approved by

*[Signature]*  
Internal Examiner 13/4/23

*[Signature]*  
Signature of HOD 13/4/23

*[Signature]*  
S. S. Anand  
13/04  
External Examiner

Approved by

*[Signature]*  
Internal Examiner 13/4/23

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Synthesis of Tri-Magnesium Phosphate for Bone Cement Applications", submitted by Vaishnavi R (Regd. No. 21MCH0011) for the award of the degree of M.Sc Chemistry 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

*[Signature]*  
Signature of the Supervisor  
12/4/23

Dr. Bavya Devi K  
Head, Department of Chemistry  
Thassim Beevi Abdul Kader College for Women

Head

Department of Chemistry  
Thassim Beevi Abdul Kader College for Women  
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*[Signature]*  
Head of the Department 12/4/23

*[Signature]*  
S. S. Anand  
13/04/2023  
External Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "Herbal face cream, face wash and moisturizer using Kappaphycus alvarezii, and zinc oxide nano particles for UV protection," submitted by Harini A (Reg No: 21MCH006) for the award of the degree of Master of Science 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

*[Signature]*  
Signature of the Supervisor  
13/4/23

Dr. Bavya Devi K  
Head, Department of Chemistry  
Thassim Beevi Abdul Kader College for Women

Approved by:

*[Signature]*  
Internal Examiner 13/4/23

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Head of the Department 13/4/23

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Thassim Beevi Abdul Kader College for Women  
Kilakarai - 622517, Ramnathapuram

*[Signature]*  
S. S. Anand  
13/04/2023  
External Examiner

**CERTIFICATE**

This is to certify that the work contained in the thesis entitled "PREPARATION AND CHARACTERIZATION OF BIO THIN-FILM USING NANOPARTICLES AS A REDUCING AGENT FOR WOUND HEALING APPLICATION", submitted by R.SATHYAPRIYA (Regd. No.: 21MCH0010) for the award of the degree of Master of science in chemistry 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

*[Signature]*  
Signature of Supervisor  
13/4/23

Dr. Bavya Devi, K  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women

Approved by

*[Signature]*  
Internal Examiner

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

Head  
Department of Chemistry  
Thassim Beevi Abdul Kader College for Women  
Kilakarai - 622517, Ramnathapuram

*[Signature]*  
S. S. Anand  
13/04/2023  
External Examiner

