Affiliated to Periyar University, Salem, Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),Rasipuram-637408.Namakkal District, Tamilnadu

DEPARTMENT OF ZOOLOGY



CERTIFICATE

This is to certify that the Project Report entitled "EFFECTS OF ANTIBACTERIAL ACTIVITY IN CHEMICALLY SYNTHESIZED ZINC OXIDE NANOPARTICLES" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ZOOLOGY is a record of original research work done by JEEVA S (Reg. No: 21MUZO1010), JITHENTHIRAN G (Reg. No: 21MUZO1011) during the period of her/his study (2021-2024) in the Department of Zoology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

HEAD OF THEU PARTMENT
Head Britis Dupartment CGY
MUTHAYAMMAL COUFEE DE ARTS AND SON

(AUTONOMOUS)

PACIDIRAM (Tk), NAMAKKAL (DT)-637 408

Submitted for the project viva-voce examination held on 15/05/2024 (DT)-637 408

Examiners:

1. R. Thogar Fistos /24

Dr. R. THANGARAJ, Ph.D., Assistant Professor Department of Zoology Periyar University

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B), Rasipuram-637408. Namakkal District, Tamilnadu.

DEPARTMENT OF ZOOLOGY



CERTIFICATE

This is to certify that the Project Report entitled "MEDICINAL **PLANT SOLANUM** TORVUM LEAF **EXTRACT AGAINST** MALARIAL VECTOR ANOPHELES STEPHENSI" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ZOOLOGY is a record of original research work done by PAVITHRA K (21MUZO1003), SHAKITHA BANU R (21MUZO1006), SRIPRIYA B (21MUZO1007), MANIKANDAN K (21MUZO1012). during the period of her/his study 2021-2024) in the Department of Zoology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

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DEPARTMENT OF SOLOGY
MUTHAYAMMALAGOL the Department SCIENCE
(AUTONOMOUS)

HEAD OF THE

RASITURAM (TK) NAMAKKAL (DTL637 408.

Submitted for the project viva-voce examination held on 15 05 2004

Examiners

1. R. Thayar Gistos / 24

Dr. R. THANGARAJ, Ph.i., Assistant Professor
Department of Zoology
Periyar University
Salem-636 011,
Tamil Nadu, India,

Affiliated to Periyar University, Salem
Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B)
Rasipuram - 637 408 Namakkal District, Tamil Nadu



<u>CERTIFICATE</u>

This is to certify that the Project Report entitled ETHNOVETERINARY MEDICINAL PLANTS USED TO TREAT CATTLE DISEASES BY TRADITIONAL HEALERS OF KOLLI HILLS Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ZOOLOGY is a record of original research work done by LOGITHA S (21MUZO1001) NISHANYA A (21MUZO1002) SWETHA M (21MUZO1008) NAVEEN B (21MUZO1013) during the period of her/his study (2021-2024) in the Department of Zoology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

Project Guide

DEPARTMENT OF ZOCLOGY
MUTHA Head of the Department 12 SO
(AUTONOMOUS)

(AUTONOMOUS)

PASIPURAM (TK), NAMAKKAL (DT)-637 408.

Submitted for the project viva-voce examination held on 15/5/29

Examiners:

1. R. Thangung 15/05/24

2.

Dr. K. THANGARAJ, Ph.D., Assistant Professor Department of Zoology Periyar University Salem-636 011, Tamil Nadu, India.

Affiliated to Periyar University, Salem,
Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f)
& 12(B),Rasipuram-637408.Namakkal District, Tamilnadu



CERTIFICATE

This is to certify that the Project Report entitled "SYNTHESIS, CHARACTERIZATION AND ANTI-MICROBIAL ACTIVITY OF MAGNESIUM OXIDE NANOPARTICLES AGAINST SELECTED FOOD PATHOGENS" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ZOOLOGY is a record of original research work done by PRIYADHARSHINI R (21MUZO1004), SENBAGAPPRIYA K K (21MUZO1005), VIDHYA M (21MUZO1009), THIRUMOORTHY P (21MUZO1014) during the period of her/his study (2021-2024) in the Department of Zoology, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.

Project Guide

HEAD OF THE OFPARTMENT
Henthorthe Departmentogy
JUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)

PASIPURAM (TK), NAMAKKAL (DT),637,408

Examiners:

1. R. Thogan Graph 4

· 75/5/24.

Dr. R. THANGARAJ, Pander Assistant Professor Department of Zoology Periyar University Salem-636 011, Tamil Nadu, India.



Palani Andavar Feeds Private Limited

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Namakkal (Dt)





This is to certify that Mr...S.JEEVA....... from the Department of Zoology, Muthayammal college of Arts and Science, Rasipuram, Namakkal-637408, has undergone Internship training on Poultry Feed Formulation techniques during the periods from31.05.2023...to ...19.06.2023....at Palani andavar Poultry Feeds, Namagiripet, Rasipuram, Namakkal -637406.

Dr.S.Senthilkumar Raj BVSc.,&A.H

Executive-Technical



Palani Andavar Feeds Private Limited

Mfrs. Of Poultry & Cattle Feeds - Exporters Eggs

86, Pudupatti Road, Namagiripet - 637406

Namakkal (Dt)





This is to certify that Mr...G.JITHENTHIRAN...... from the Department of Zoology, Muthayammal college of Arts and Science, Rasipuram, Namakkal-637408, has undergone Internship training on Poultry Feed Formulation techniques during the periods from31.05.2023...to ...19.06.2023...at Palani andavar Poultry Feeds, Namagiripet, Rasipuram, Namakkal -637408

Dr.S.Šenthilkumar Raj BVSc.,&A.H

Executive-Technical





This is to certify that Miss. S. LOGITHA (Reg. No.21UZO005) from the department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Clinical Laboratory Techniques during the periods from 26/05/2023 to 17/06/2023 at Bioquality Laboratory, Namakkal - 637 001.

S. DINESHKUMAR M.Sc., (MB)



This is to certify that Mr. K. MANIKANDAN from the Department of Zoology , Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Animal Handling and Molecular techniques during the periods from 22/05/2023 to 05/06/2023 at Chemical Ecology Research lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli - 620 024.

(a))) ...







This is to certify that Mr. B. NAVEEN from the Department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Animal Handling and Molecular techniques during the periods from 22/05/2023 to 05/06/2023 at Chemical Ecology Research lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli - 620 024.

SALTEN







This is to certify that Miss. A. NISHANYA (Regd. No.21UZO008) from the department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Clinical Laboratory Techniques during the periods from 26/05/2023 to 17/06/2023 at Bioquality Laboratory, Namakkal - 637 001.









This is to certify that Miss. K. PAVITHRA (Regd. No.21UZO009) from the department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Clinical Laboratory Techniques during the periods from 26/05/2023 to 17/06/2023 at Bioquality Laboratory, Namakkal - 637 001.

S. DINESHKUMAR M.Sc., (MB)





This is to certify that Ms. K. K. SENBAGAPPRIYA from the Department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Animal Handling and Molecular techniques during the periods from 22/05/2023 to 05/06/2023 at Chemical Ecology Research lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli - 620 024.

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RAKSHAN POLY CLINIC



TO WHOM IT MAY CONCERN

This is to certify that Ms.B.SRI PRIYA a B.Sc., Zoology student from Muthayammal college of Arts & Science, Rasipuram, Namakkal-637 408, as successfully completed her training from (03.06.2023 to 17.06.2023) at AKSHAN POLY CLINIC, Mettu street Idappadi.

During the period of her internship programme, she was found to be inctual, hardworking and sincere in her Duties.

e wish her success in all her future endeavors.

RAKOMAM POLYCLINIC
Dr. I.G. MACAPAJAN, MS. (Ortho)
Rogd. No. 71671
124, Kattuvalavu South Street,
Idappadi (PO), SALEM (Dt) - 637-101





This is to certify that Miss. M. SWETHA (Regd. No.21UZO013) from the department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Clinical Laboratory Techniques during the periods from 26/05/2023 to 17/06/2023 at Bioquality Laboratory, Namakkal - 637 001.

S. DINESHKUMAR M.Sc., (MB)

THARANYA SCANS THARANYA CLINIC

Reg no - PNA 4793-2011 4-73, Belukurichi , Namakk il-637-402 PH NO : 01286-246444,8198914191

DR K.Senthal kumar M B B S General practitioner Dr. K. Selvambigai M.B.B.S.D.G.O Obstetnician & Gynaecologist

CERTIFICATE



This is to certify that Mrs. VIDHYA from the department of ZOOLOGY, Muthayammal college of Arts and Science, Rasipuram, Namakkal -637 408 has undergone basic training in common practices in my clinic (outpatient altrasound, Maternity Basic Lab investigation) during the period from 22.05.2023-05.06.2023.

Dr.K. SELVARADIO A. A.

Dr. K. SELVAMBIGAL D. G. O THAR ANYA SCANS. Reg. No: PHAN793/2011 asipuram Misin Road, Belukurich Namekkal (DL) - 637 402 Ph. No. 04286 - 246444 Al : 8098914191



This is to certify that Mr. P. THIRUMOORTHY from the Department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Animal Handling and Molecular techniques during the periods from 22/05/2023 to 05/06/2023 at Chemical Ecology Research lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli - 620 024.

5 Adr. RJ





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Dr.S.Senthilkumar Raj BVSc.,&A.H

Executive-Technical





This is to certify that Miss. R. SHAKITHA BANH (Regd. No.21UZO017) from the department of Zoology, Muthayammal College of Arts & Science, Rasipuram, Namakkal - 637 408, has undergone Internship Training on Clinical Laboratory Techniques during the periods from 26/05/2023 to 17/06/2023 at Bioquality Laboratory, Namakkal - 637 001.

S. DINESHKUMAR M.Sc., (MB)

