

**SIMILARITY ANALYSIS OF
LUCIFERIN 4-MONOOXYGENASE
OF SELECTED BIOLUMINESCENT INVERTEBRATES**

**Project Submitted for the Award of Degree of
Bachelor of Science in Zoology**

Submitted By

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Ms. JEMIMA GLADY. P (2019Z10)

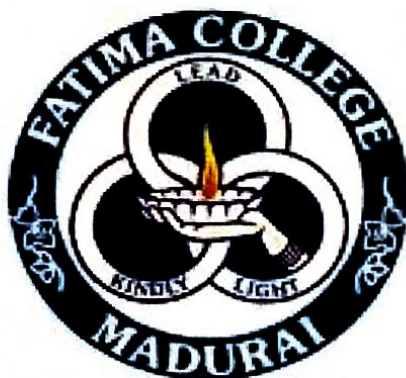
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Ms. SAHAYA SHALINI. A (2019Z30)

Ms. VISHALI. R (2019Z43)

GUIDED BY

Dr. A. TAMIL SELVI



**DEPARTMENT OF ZOOLOGY
FATIMA COLLEGE (Autonomous)
Re-Accredited with 'A++' by NAAC (Cycle –IV)
MADURAI- 625 018
MAY, 2022**

CERTIFICATE

This is to certify that this project entitled “SIMILARITY ANALYSIS OF LUCIFERIN 4-MONOOXYGENASE OF SELECTED BIOLUMINESCENT INVERTEBRATES” submitted by Ms. Antonette Siena. P (2019Z01), Ms. Jemima Gladys. P (2019Z10), Ms. Nagalakshmi.P (2019Z19), Ms.Sahaya Shalini.A (2019Z30) and Ms.Vishali. R (2019Z43) for the degree of Bachelor of Science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

Date: 01.06.22

Guide



(Dr. A. Tamil Selvi)

Station: Madurai

DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Dr. A. Tamil Selvi**, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date: **01.06.22**

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Ms. Antonette Siena. P

P. Jemima Gladys .

Jemima Gladys. P

P. Nagalakshmi

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Molecular Docking of Enzymes involved in Phenylalanine Metabolism

**Project Submitted for the Award of Degree of
Bachelor of Science in Zoology**

SUBMITTED BY

Ms. P. KARTHIGA (2019Z11)

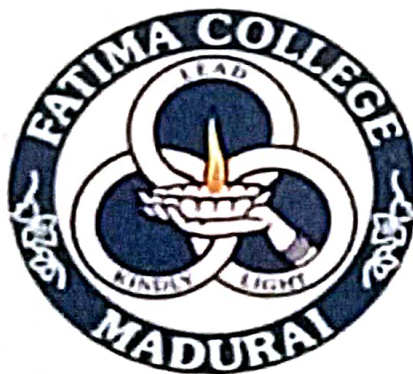
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DEPARTMENT OF ZOOLOGY

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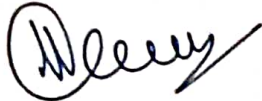
Re-Accredited with 'A++' by NAAC (Cycle –IV)

MADURAI– 625 018

MAY, 2022.

CERTIFICATE

This is to certify that this dissertation entitled “Molecular Docking of Enzymes involved in Phenylalanine Metabolism” submitted by Ms. P. Karthiga, Ms. S. Nivetha, Ms. B. Sakthi Dharshini and Ms. G. Yogeshwari as partial fulfilment the degree of Bachelor of Science in Zoology is based on the results of Studies carried out by them under my Guidance and Supervision in the Department of Zoology, Fatima College (Autonomous), Madurai-18. This project work has not been submitted elsewhere for any other degree.



Dr. A. Tamil Selvi

Head of the Department

Dr. A. TAMIL SELVI

Head, Dept. of Zoology

FATIMA COLLEGE (AUTONOMOUS)

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Dr. Antony Amala Jayaseeli

Guide

STATION: MADURAI

DATE: 01.06.2022

DECLARATION

We do hereby declare this dissertation entitled "MOLECULAR DOCKING OF ENZYMES INVOLVED IN PHENYLALANINE METABOLISM" has been originally carried out by us under the Guidance and Supervision of DR. ANTONY AMALA JAYASEELI, Assistant Professor, Department of Zoology, Fatima College (Autonomous), Madurai-18. This work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

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BIOCHEMICAL EFFECTS OF SELECTED FOOD ADDITIVE IN TILAPIA FISH"

**Dissertation Submitted for the Award of Degree of Bachelor of
Science in Zoology Submitted**

By

Miss. A. AnishFathima (2019Z45)

Miss. M. Chithra Devi (2019Z03)

Miss. V. Keerthana (2019Z12)

Miss. R. Pavithra Devi (2019Z22)

Miss. B. Saraswathi (2019Z33)

**Under the guidance
of**

Dr. N. MALATHI, M.Sc., Ph. D.

**Assistant Professor, Department of Zoology,
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Fatima College (Autonomous)

Madurai – 625 018



FATIMA COLLEGE (AUTONOMOUS)

(College with potential for excellence)

MADURAI – 625 018

APRIL 2022

CERTIFICATE

This is to certify that this dissertation entitled "BIOCHEMICAL EFFECTS OF SELECTED FOOD ADDITIVE IN FRESHWATER FISH" submitted by MS. A. AnishFathima (2019Z45), MS. M. Chithra Devi (2019Z03), MS. V. Keerthana (2019Z12), MS. R. Pavithra Devi (2019Z22) and MS. B. Saraswathi (2019Z33) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by her under my guidance and supervision during the academic year 2022-2023 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.



Signature of the Head of
the Department
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Dr. A. TAMIL SELVI
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Signature of the Supervisor
and Guide
(Dr. Mrs. N. Malathi)

STATION: MADURAI

DATE: 01.06.2022

DECLARATION

I do hereby declare that this dissertation entitled “ **BIOCHEMICAL EFFECTS OF SELECTED FOOD ADDITIVE IN FRESHWATER FISH**” has been originally carried out by her under the guidance and supervision of **Dr. Mrs. N. Malathi**, Assistant Professor, Department of zoology and Dean of Academic Affairs (Science), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

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ISOLATION AND IDENTIFICATION OF FUNGI FROM SOIL IN FATIMA COLLEGE CAMPUS, MADURAI.

**Project Submitted for the Award of Degree of Bachelor of Science in
Zoology**

Submitted By

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DEPARTMENT OF ZOOLOGY

FATIMA COLLEGE (Autonomous)

Re-Accredited with 'A++' by NAAC (Cycle -IV)

MADURAI- 625 018

MAY, 2022

CERTIFICATE

This is to certify that the dissertation entitled "ISOLATION AND IDENTIFICATION OF FUNGI FROM SOIL IN FATIMA COLLEGE CAMPUS, MADURAI." submitted in partial fulfillment of Degree of Bachelor of Science in Zoology is a research work that has been originally carried out by J.DEVI SUBBULAKSHMI (2019Z04), R.S.KEERTHIKA (2019Z13), M.PRIYADHARSHINI (2019Z23), R.SATHYA (2019Z34) and K.HIMALINI (2019Z47) under my guidance and supervision in the Department of Zoology, Fatima College (Autonomous), Madurai- 18 in the academic year 2021-2022. It is further certified that this dissertation or any part of this has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date : 1.6.2022



HEAD OF THE DEPARTMENT

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Head, Dept. of Zoology

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DECLARATION

I hereby declare that this dissertation entitled "ISOLATION AND IDENTIFICATION OF FUNGI FROM SOIL IN FATIMA COLLEGE CAMPUS, MADURAI." submitted in partial fulfillment of Degree of BACHELOR OF SCIENCE IN ZOOLOGY is a research work that has been originally done by us under the guidance and supervision of Dr.K. MANIMEGALAI, Assistant Professor, Fatima College (Autonomous), Madurai and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date: 1.6.2022

Signature of the student

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K. Himalini

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BIODIVERSITY OF BIRDS IN MADURAI CITY

**Project submitted Award of The Degree of
Bachelor of Science in Zoology**

Submitted By

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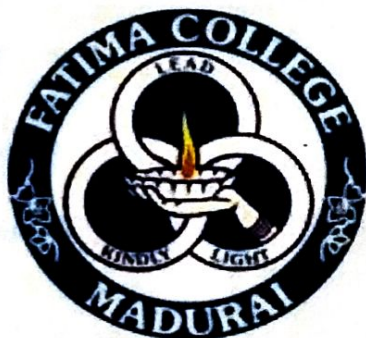
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Ms. SIVANANDHINI. M (2019Z36)

Guided By

DR. SR. BIJI CYRIAC



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MADURAI-625018

MAY, 2022

CERTIFICATE

This is to certify that this dissertation entitled "Biodiversity of Birds in Madurai city" submitted by Ms. M. Dhanalakshmi, Ms. M. Kowsika, Ms. M. Priyanka, and Ms. M. Sivanandhini as partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

STATION: MADURAI

DATE: 01-06-2022



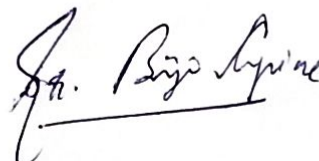
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Dr. Sr. Biji Cyriac

GUIDE

DECLARATION

We do hereby declare this dissertation entitled BIODIVERSITY OF BIRDS IN MADURAI CITY has been originally carried out by us under the guidance and supervision of Dr. Sr. Biji Cyriac, Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date: 01.06.2022

By

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Ms. M. Kowsika (2019Z14) *M. Kowsika*

Ms. M. Priyanka (2019Z24) *Priyanka*

Ms. M. Sivanandhini (2019Z36) *M. Sivanandhini*

A STUDY ON BIODIVERSITY OF BIRDS AT PASINGAPURAM, MADURAI

**Dissertation Submitted for the Award of Degree of bachelor of
Science in Zoology Submitted**

By

Ms. P. LAKSHMI DEVI (2019Z15)

Ms. S. RAMYA (2019Z25)

Ms. S. SUBARNIKA RATHNA (2019Z38)

**Under the guidance
Of**

Dr.V.BHARATHY

**Department of Zoology,
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Madurai – 625 018**



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with A⁺⁺ by NAAC (Cycle-IV)

MADURAI - 625 018

MAY, 2022

CERTIFICATE

This is to certify that this dissertation entitled "*A STUDY ON BIODIVERSITY OF BIRDS AT PASINGAPURAM, MADURAI*" Miss. P. LAKSHMI DEVI (2019Z15) Miss. S. RAMYA (2019Z25) Miss S. SUBARNIKA RATHNA (2019Z38) submitted by as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2022-2023 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.



Signature of the Head of
the Department

(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI
Head, Dept. of Zoology
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Signature of the Supervisor
and Guide

(Dr.V.BHARATHY)

STATION: MADURAI

DATE: 31/05/2022

DECLARATION

We do hereby declare that this dissertation entitled “A STUDY ON BIODIVERSITY OF BIRDS AT PASINGAPURAM, MADURAI” Submitted to Fatima college, Madurai in Partial fulfillment of requirement of the award of BACHELOUR OF SCIENCE IN ZOOLOGY, is a record of original project work done by us. We also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Date:31/05/2022

Signature of the candidate

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**STUDIES ON THE DIVERSITY OF
ANIMALS IN THE SELECTED REGIONS OF
SOUTH MADURAI – TAMIL NADU**

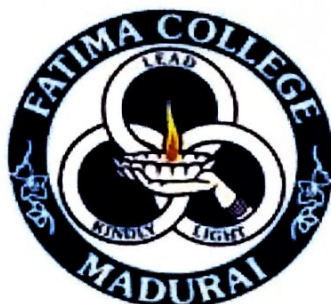
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**R.B. GOPIKAA (2019Z07)
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MADURAI– 625 018

MAY, 2022

CERTIFICATE

This is to certify that this dissertation entitled “**Studies on the diversity of animals in the selected regions of South Madurai – Tamil Nadu**” Submitted by **R.B. Gopikaa, S. Lavanya, G. Rathika, and S. Thahsin banu** to Fatima college, Madurai in Partial fulfillment of requirement of the award of **BACHELOR OF SCIENCE IN ZOOLOGY**, is a record of original project work done under my guidance. This whole dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Date: 01.06.2022



**Signature of the Head of
the Department**

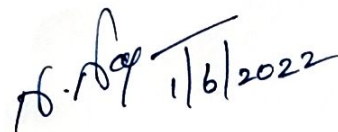
(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI

Head, Dept. of Zoology

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**Signature of the Supervisor
and Guide**

(Dr. Mrs. N. Nagarani)

DECLARATION

We do hereby declare this dissertation entitled **“Studies on the diversity of animals in the selected regions of South Madurai – Tamil Nadu”** has been originally carried out by us under the guidance and supervision of Dr.N.Nagarani, Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date: 01.06.2022

Signature of the students

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R. B. Gopikaa (2019Z07)

S. Lavanya

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**A STUDY ON ROOSTING BEHAVIOUR OF AVIAN
FAUNA IN FATIMA COLLEGE**

**Project Submitted for the Award of Degree of
Bachelor of Science in Zoology**

Submitted By

V. GOWRI (2019Z08)

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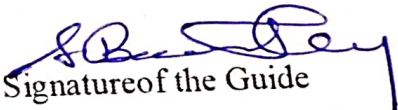
MAY, 2022

CERTIFICATE

This is to certify that this dissertation entitled "A STUDY ON ROOSTING BEHAVIOUR OF AVIAN FAUNA IN FATIMA COLLEGE" submitted by V.Gowri, S.RexlineSheeba and K.Varalakshmi, as a partial fulfillment for the Degree of Bachelor of Science in Zoology is based on the result of studies carried out by them under my guidance and supervision during the academic year 2021-2022 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project has not been submitted elsewhere for any other degree.

Station: Madurai

Date : 01.06.2022



Signature of the Guide

Dr. S. Barathy



Signature of the HOD

Dr. A. Tamil Selvi

Dr. A. TAMIL SELVI
Head, Dept. of Zoology
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DECLARATION

We do hereby declare that this dissertation entitled "A STUDY ON ROOSTING BEHAVIOUR OF AVIAN FAUNA IN FATIMA COLLEGE" has been originally carried out by us under the guidance and supervision of Dr. S. Barathy, Assistant Professor, Department of Zoology, Fatima College (autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date : 01.06.2022

By

V.Gowri V. Gowri

S.Rexlin Sheeba S. Rexlin Sheeba

K.Varalakshmi K. Varalakshmi

**A PRELIMINARY ASSESSMENT OF ANT DIVERSITY
AT FATIMA COLLEGE**

**Project Submitted for the Award of Degree of Bachelor
of Science in Zoology**

Submitted By

X.INFANT RUBITHA (2019Z09)

P.MERCILLIN (2019Z18)

J.ROOBINI (2019Z29)

N.VIJAYALAKSHMI (2019Z41)

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Mrs. J. THELMA



DEPARTMENT OF ZOOLOGY

FATIMA COLLEGE (Autonomous)

Re-Accredited with 'A++' by NAAC (Cycle –IV)

MADURAI– 625 018

MAY, 2022

CERTIFICATE

This is to certify that this dissertation entitled “A PRELIMINARY ASSESSMENT OF ANT DIVERSITY AT FATIMA COLLEGE” submitted by X.INFANT RUBITHA (2019Z09), P.MERCILLIN (2019Z18), J.ROOBINI (2019Z29) and N.VIJAYALAKSHMI (2019Z41) as partial fulfillment for the degree of **Bachelor of Science in Zoology** is based on the results of studies carried out by them under my guidance and supervision during the academic year 2021-2022 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Department Head



(DR. A. TAMILSELVI)
Dr. A. TAMIL SELVI
Head, Dept. of Zoology
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MADURAI-625 018

Signature of the guide



(Mrs. J. THELMA)

STATION: MADURAI

DATE: 01.06.2022

DECLARATION

We do hereby declare that this dissertation entitled "A PRELIMINARY ASSESSMENT OF ANT DIVERSITY AT FATIMA COLLEGE" submitted to Fatima College, Madurai in Partial fulfillment of the requirement of the award of BACHELOR OF SCIENCE IN ZOOLOGY, is a record of original project work done by us. We also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

STATION: MADURAI

DATE: 01.06.2022

Signature of the Student

X. Infant Rubitha

X.INFANT RUBITHA (2019Z09)

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