

**COMPARITIVE STUDY ON DIET VARIATION OF *ANABAS TESTUDINEUS* AND *CHANNA STRIATUS* IN POND ECOSYSTEM**

Project report submitted to Calicut University for the partial fulfilment of the award of the degree of Bachelor of Science in Zoology.



**DEPARTMENT OF ZOOLOGY  
CARMEL COLLEGE, MALA  
THRISSUR, KERALA**

*By*  
*Group I*

**FEBRUARY - 2020**

CERTIFICATE

Certified that this is authentic record of the project work carried out by group I under the  
partial fulfillment of the requirement for the degree of Bachelor of Science in Zoology of  
Carnel University and this work has not previously formed the basis for any other similar  
works.

**COMPARITIVE STUDY ON DIET VARIATION OF *ANABAS*  
*TESTUDINEUS* AND *CHANNA STRIATUS* IN POND  
ECOSYSTEM**

Pizza Mala

Phar

Phar

  
Dr. Sr. Rini Raphael

Head of the Department of Zoology

Carnel College, Nida



CERTIFICATE

Certified that this is authentic record of the project work carried out by group I under in partial fulfilment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University and this work has not previously formed the basis for any other similar works.

Place: Mala

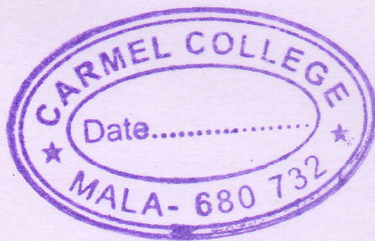
Date:



**Dr. Sr. Rini Raphael**

Head of the Department of Zoology

Carmel College, Mala




## CERTIFICATE

Certified that this is authentic record of the project work carried out by group I under my supervision and guidance at the Department of Zoology, Carmel College, Mala in partial fulfilment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University.

No.	Name	Register No.	Signature
	A. SWARYA KRISHNAN	CRARSZ0001	
	ANJANA V.K.	CRARSZ0002	
	ASWATHY V.S.	CRARSZ0004	
	DEVIKA SURAT	CRARSZ0005	
	MARIMA MM	CRARSZ0011	
	LIJIA SHAJ	CRARSZ0014	
	SHARA SURESH	CRARSZ0015	
	CHRISTINA M.S.	CRARSZ0016	
	SUYAINA K.J.	CRARSZ0017	

Place: Mala

Date:

  
**Ms. ANNA P.K. RINI RAPHAEL**

Assistant professor on contract

Department of Zoology

Carmel College, Mala

## ACKNOWLEDGEMENT

### DECLARATION

We do here declare that the record entitled "COMPARITIVE STUDY ON DIET VARIATION OF ANABAS TESTUDINEUS AND CHANNA STRIATUS IN POND ECOSYSTEM" is a genuine record of the project work done by us under the supervision guidance of Ms. Anna P.K., Department of Zoology, Carmel College, Mala.

SLNo.	Name	Register No.	Signature
1	AISWARYA KRISHNAN	CRARSZO001	Aiswarya Krishnan
2	ANJANA V.K.	CRARSZO002	Anjana V.K.
3	ASWATHY V.S.	CRARSZO004	Aswathy V.S.
4	DEVIKA SURAJ	CRARSZO008	Devika Suraj
5	MAHIMA M.M.	CRARSZO011	Mahima M.M.
6	SWETHA SHAJI	CRARSZO014	Swetha Shaji
7	AKSHARA SURESH	CRARSZO015	Akshara Suresh
8	CHRISTINA M.S.	CRARSZO017	Christina M.S.
9	SUNAINA K.J.	CRARSZO029	Sunaina K.J.

DIVERSITY OF BUTTERFLIES  
(LEPIDOPTERA: RHOPALOCERA) IN MALA AND  
IRINJALAKUDA REGIONS IN THRISSUR  
DISTRICT, KERALA

*Project Report Submitted to Calicut University for the partial fulfillment of  
the award of the Degree of Bachelor of Science in Zoology*



DEPARTMENT OF ZOOLOGY  
CARMEL COLLEGE, MALA  
THRISSUR, KERALA

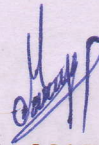
*By*  
Group II  
March 2020

## CERTIFICATE

Certified that this is authentic record of the project work carried out by group II under in partial fulfillment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University and this work has not previously formed the basis for any other similar works.

Place: Mala

Date :



Ms. MARIYA JOY E J

Assistant professor on contract

Department of Zoology

Carmel College, Mala

**CERTIFICATE**

Certified that this is authentic record of the project work carried out by group II under my supervision and guidance at the Department of Zoology, Carmel College, Mala. In partial fulfillment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University.

Place: Mala

Date :



Dr. Sr. RINI RAPHAEL

Head of the Department of Zoology

Carmel College, Mala





## DECLARATION

We do here declare that the record entitled "DIVERSITY OF BUTTERFLIES (LEPIDOPTERA, RHOPALOCERA) IN MALA & IRINJALAKUDA REGIONS IN THRISSUR DISTRICT, KERALA, Is a genuine record done by us under the supervision of Miss Mariya Joy E.J Assistant professor on contract, Department of Zoology, Carmel College Mala.

MEMBERS OF GROUP	REGISTER NUMBER	SIGNATURES
1. ATHIRA M.R	CRARSZO005	<i>Athira</i>
2. ATHIRA SANTHOSH	CRARSZO006	<i>Athira</i>
3. FEMA THALIYATH	CRARSZO019	<i>Fema</i>
4. JESTEENA JOSE	CRARSZO021	<i>Jesteena</i>
5. JOSNA JOSE	CRARSZO022	<i>Josna</i>
6. KAVYA BABU	CRARSZO023	<i>Kavya</i>
7. RESHMI .K.R	CRARSZO027	<i>Reshmi</i>
8. SANDRA PURUSHOTHAMAN	CRARSZO028	<i>Sandra</i>

**Effect of temperature and salinity on the respiration rate of  
*Carassius auratus* (Gold fish)**

Project report submitted to Calicut University for the partial fulfillment of the award  
of the degree of Bachelor of Science in Zoology



DEPARTMENT OF ZOOLOGY

CARMEL COLLEGE, MALA

THRISSUR, KERALA

*By*

*Group III*

MARCH-2020

## CERTIFICATE

Certified that this is authentic record of the project work carried out by group III under in partial fulfillment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University and this work has not previously formed the basis for any other similar works.

Place :

  
**Dr. Sr. RINI RHAPHAEL**

Date :

Head of the Department of Zoology


Carmel College, Mala



## CERTIFICATE

Certified that this is authentic record of the project work carried out by group III under my supervision and guidance at the Department of Zoology, Carmel College, Mala in partial fulfillment of the requirement for the degree of Bachelor of Science in Zoology of Calicut University.

Place: Mala

  
MISS GRACE VARGHESE M

Date:

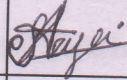
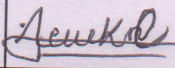
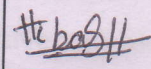

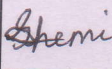
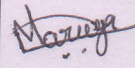
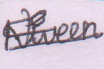
Assistant professor on contract

Department of Zoology

Carmel College, Mala

## DECLARATION

We do declare that the record entitled "*EFFECT OF TEMPERATURE AND SALINITY ON THE RESPIRATORY RATE OF CARASSIUS AURATUS (GOLD FISH)*" is a genuine record of the project work done by us under the supervision guidance of Ms. Grace Varghese M, Department of Zoology , Carmel college Mala.

SL.NO	NAME	REGISTER NO.	SIGNATURE
1	ARYA PRAKASH	CRARSZO003	
2	DEVIKA VENU	CRARSZO007	
3	HIBA C ISMAIL	CRARSZO009	
4	KRISHNENDU.A	CRARSZO010	
5	SHEMI P S	CRARSZO013	
6	MARIYA CATHARINE	CRARSZO024	
7	NASREEN BABU	CRARSZO025	
8	PAVITHRA POULOSE	CRARSZO026	