

**A STUDY ON *LITOPENAEUS VANNAMEI* FARMING
AND ITS MANAGEMENT AT AQUA FARM
NIZAMPATNAM, GUNTUR
DISTRICT, ANDHRA PRADESH, INDIA**

By

G. TIRUMALA

Regd. No.: Y22ZO01001

DISSERTATION

Submitted in partial fulfillment for the award of degree of
MASTER OF SCIENCE IN ZOOLOGY



Project Supervisor

B. CHARLES WESLEY

APRIL-2023

DEPARTMENT OF ZOOLOGY
ACHARYA NAGARJUNA UNIVERSITY
NAGARJUNANAGAR - 522 510, GUNTUR,
ANDHRA PRADESH, INDIA

DECLARATION

I hereby declare that the dissertation entitled *on LITOPENAEUS VANNAMEI* FARMING AND ITS MANAGEMENT AT AQUA FARM AT NIZAMPATNAM, GUNTUR DISTRICT, ANDHRA PRADESH, INDIA submitted for the degree of **Master of Science in ZOOLOGY** is the result of my original and independent research work carried out under the supervision of **B. CHARLES WESLEY**, Assistant Professor, Department of Zoology, Acharya Nagarjuna University, Guntur, Andhra Pradesh, India. This work has not been previously submitted for the award of any other degree or diploma prior to this date.

Date: 18 / 5 / 2023

Gulla Tirumala
(G. TIRUMALA)

Regd. No.: Y22ZO01001

M. Sc. II year Student

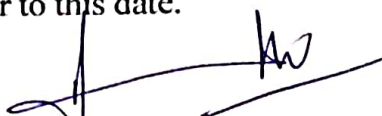
ACHARYA NAGARJUNA UNIVERSITY

Nagarjunanagar - 522 51

C E R T I F I C A T E

This is to certify that the work of the Project entitled **A STUDY *LITOPENAEUS* VANNAMEI FARMING AND ITS MANAGEMENT AT AQUA FARM T. NIZAMPATNAM, GUNTUR DISTRICT, ANDHRA PRADESH, INDIA** has been carried out by **Mrs. G. Tirumala** under my supervision. The Project incorporates the original results of the study and it was not formed the basis for the award of any degree or diploma prior to this date.

Date: 18/5/2023


(B. CHARLES WESLEY)
Project Supervisor

(Dr. B. D. Satya Latha)
Head of the Department

**A SURVEY ON TYPE 1 DIABETES IN BHARATHPET,
GUNTUR, ANDHRA PRADESH.**

**Submitted by
CH.NIKHITHA M.Sc (FINAL)**



Research Director

Dr.B.D.J.SATYALATHA

M.Sc., M.Phil, PhD.

Assistant Professor

Post Graduate Department of Zoology

Andhra Christian College

Guntur-522510

**DISERTATION SUBMITTED IN PARTIAL FULFILMENT FOR THE
POST GRADUATE DEPARTMENT OF ZOOLOGY, ANDHRA
CHRISTIAN COLLEGE, DEGREE OF MASTER OF SCIENCE IN
ZOOLOGY**

(AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY)

ANDHRA CHRISTIAN COLLEGE
POST GRADUATE DEPARTMENT OF ZOOLOGY
GUNTUR,A.P,INDIA



DECLARATION

I do hereby declare that this work has been carried out by me under the guidance and supervision of **Dr.B.D.J.SATYALATHA**, Assistant Professor, Post Graduate Department of Zoology, Andhra Christian College, Guntur and this work has not been submitted elsewhere for any other degree.

Andhra Christian College

Guntur

May-2023

A handwritten signature in black ink, appearing to read 'Ch. Nikhitha'.

Ch.Nikhitha M.Sc(FINAL)

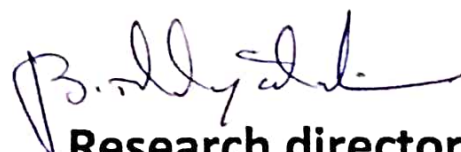
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POST GRADUATE DEPARTMENT OF ZOOLOGY
GUNTUR - 522510



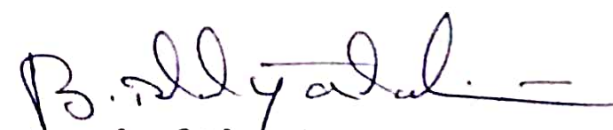
CERTIFICATE

This to certify that this thesis entitled **“A SURVEY ON TYPE 1 DIABETES IN BHARATHPET, GUNTUR, ANDHRA PRADESH”** submitted by **Ch.Nikhitha M.Sc(FINAL)** based on the results of studies carried by her under my guidance. This or any part of this has not been submitted else where for any other degree.


Research director

Internal Examiner

External Examiner


Head of the Department

ANDHRA CHRISTIAN COLLEGE

SAMBASIVAPET,GUNTUR-522001



(Affiliated to Acharya Nagarjuna Univesity)

DEPARTMENT OF ZOOLOGY

STUDY OF IDENTIFICATION IN THYROID

PROJECT REPORT

By

M. SUVARTHA

Regd.No.Y22Z001004

Under the guidance of

T. NAVEEN KUMAR

Submitted in

MAY -2023

ANDHRA CHRISTIAN COLLEGE

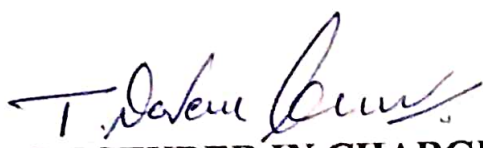
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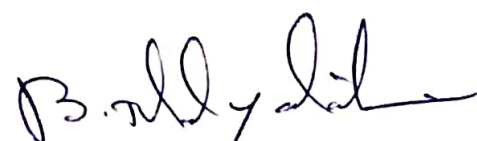


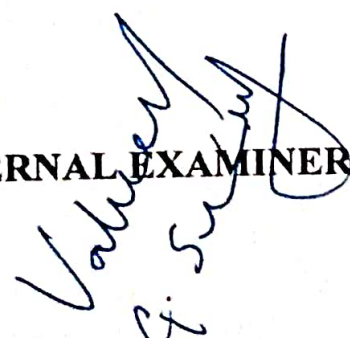
DEPARTMENT OF ZOOLOGY

Project work
Regd.No.Y22Z001004

Certified that this is a bonafide Project report submitted by M. SUVARTHA (Final),
ANDHRA CHRISTIAN COLLEGE, Guntur, as part of IV Semester, M.Sc
(Zoology) during the year 2022-23,


LECTURER IN CHARGE


HEAD OF DEPARTMENT


INTERNAL EXAMINER

EXTERNAL EXAMINER

DECLARATION

I, M. SUVARTHA here by state that the

Project report entitled "**THYROID**", submitted to **Department of Zoology,**

ANDHRA CHRISTIAN COLLEGE, Guntur for Second year practical

examinations is my original work under the guidance **T. NAVEEN KUMAR**

, **Department of Zoology, ANDHRA CHRISTIAN COLLEGE, Guntur.**

Place. Guntur

Date

M. Suvartha
Name; **M. SUVARTHA**

**A STUDY ON HATCHERY MANAGEMENT, AT BALAJI HATCHERY
NEAR PANDURANGA PURAM, BAPATLA (DIST), ANDHRA PRADESH,
INDIA.**

By

**CH. GEETHA, B.Sc.
M.Sc. IInd Year Zoology
2022-2023 Batch
Regd. No. Y22ZO01005**

Under the Supervision of

B. CHARLES WESLEY M.Sc., M.Phil.

Project work submitted to
ACHARYA NAGARJUNA UNIVERSITY
In Partial Fulfilment for the award of the Degree of
Master of Science in ZOOLOGY



**Department of Zoology
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APRIL 2023.**

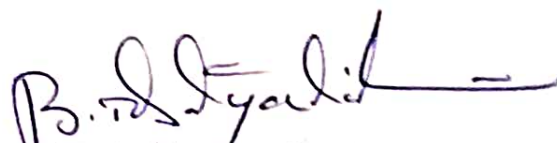
**DEPARTMENT OF ZOOLOGY
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR**



CERTIFICATE

This is to certify that this project work entitled “ A STUDY ON HATCHERY MANAGEMENT AT BALAJI HATCHERY, NEAR PANDURANGA PURAM, BAPATALA(DIST),ANDHRA PRADESH , INDIA. is a bonafied work **Mrs. Ch. Geetha** submitted in partial fulfilment of the requirements for the award of the degree of Master of Science (Zoology 2nd year) in the Department of Zoology , Acharya Nagarjuna University during the Academic year 2022- 2023.


Project Supervisor


Head of the Department


Vahini G. Sridhar

DECLARATION

I hereby declare that the project work entitled " A STUDY ON HATCHERY MANAGEMENT AT BALAJI HATCHERY, NEAR PANDURANGA PURAM, BAPATALA(DIST), ANDHRA PRADESH , INDIA." is work done by me under the supervision of B. Charles Wesley, Department of Zoology, Acharya Nagarjuna University, Guntur. This project work has not been previously submitted in part or full for the award of any Degree or Diploma of any other University.

Place: Guntur

Date:

Ch. Geetha
(CH. GEETHA)