

**A STUDY OF AVIAN DIVERSITY AND HABITAT
ASSESSMENT OF SELECTED BIRDS IN THATTEKAD
BIRD SANCTUARY**

*Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the
requirements for the post-graduation*

of

Masters of Science in Zoology.

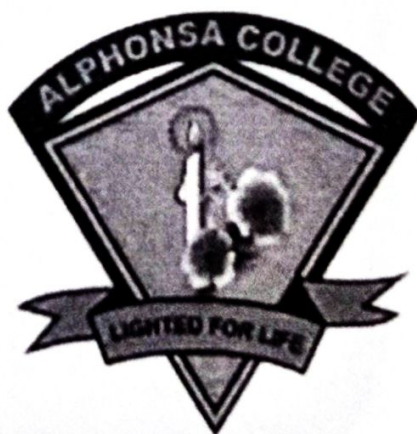
By

LINYMOL JOSEPH

Reg. No. 200011015800

Under the Guidance of

CINNIE SUSAN ANTONY.



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SEPTEMBER -2022

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY OF AVIAN DIVERSITY AND THEIR HABITAT ASSESSMENT OF SELECTED BIRDS IN THE THATTEKAD BIRD SANCTUARY" is a bonafide work carried out by Miss. Linymol Joseph, of the Department of Zoology, Alphonsa College, Pala, in partial fulfilment of the requirement for the award of MSC. Programme in Zoology of M. G. University during the period 2021- 2022 under my supervision and guidance. This work has not been presented earlier for the award of any other degree.

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Date:



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Ornithologist, Scientist
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Cinnie Susan Antony

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28/9/22

Countersigned by,
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**ANTIBACTERIAL ACTIVITY OF ACTINOMYCETES ISOLATED
FROM DIFFERENT SOIL SAMPLES**

*Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the
requirements for the degree of*

MASTER OF SCIENCE IN ZOOLOGY

By

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A COMPARATIVE STUDY ON THE SPIDER DIVERSITY OF THE SELECTED AREAS OF VAZHOOR PANCHAYAT

*Dissertation submitted to Mahatma Gandhi University in partial fulfillment of the
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MASTER OF SCIENCE IN ZOOLOGY

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This is to certify that the dissertation entitled "A COMPARATIVE STUDY ON THE SPIDER DIVERSITY OF THE SELECTED AREAS OF VAZHOOR PANCHAYAT" is a bonafide work carried out by Ms. MEREN BENNY, under the guidance of DR. AMBILI T.R. in the Department of Zoology, Alphonso College, Pala as a partial fulfillment for the requirements of MSc Degree under the Faculty of Science of Mahatma Gandhi University.

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**USE OF FISH (*OREOCHROMIS MOSSAMBICUS*)
SCALES AS A BIOINDICATOR OF CADMIUM
POLLUTION**

*Dissertation submitted to Mahatma Gandhi University in partial fulfillment of the
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This is to certify that the dissertation entitled "A STUDY ON THE USE OF FISH (OREOCHROMIS MOSSAMBICUS) SCALES AS A BIOINDICATOR OF CADMIUM POLLUTION" is a bonafide work carried out by Ms. RIYA JOSE, under the guidance of Dr. SIMIMOL SEBASTIAN in the Department of Zoology, Alphonso College, Pala as a partial fulfillment for the requirements of MSc Degree under the Faculty of Science of Mahatma Gandhi University.

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**STUDY AND COMPARISON OF ANT DIVERSITY OF
PADDY FIELD, SACRED GROVES AND RIVER BANK
ECOSYSTEM IN PALA**

*Dissertation submitted to Mahatma Gandhi University in partial fulfilment of the
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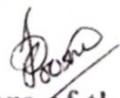
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This is to certify that the dissertation entitled "STUDY AND COMPARISON OF ANT DIVERSITY OF PADDY FIELD, SACRED GROVES AND RIVER BANK ECOSYSTEM IN PALA" is a bonafide work carried out by Ms. SONA LIS SHANTY, under the guidance of POORNIMA BABY in the Department of Zoology, Alphonso College, Pala as a partial fulfilment for the requirements of MSc Degree under the Faculty of Science of Mahatma Gandhi University.

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**ANALYSIS OF ANTI BACTERIAL AND ANTI-COAGULANT
ACTIVITY OF CHITOSAN EXTRACTED FROM PRAWN SHELL
WASTE.**

*Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the requirements for the
post graduation*

Of

Masters of Science in Zoology.

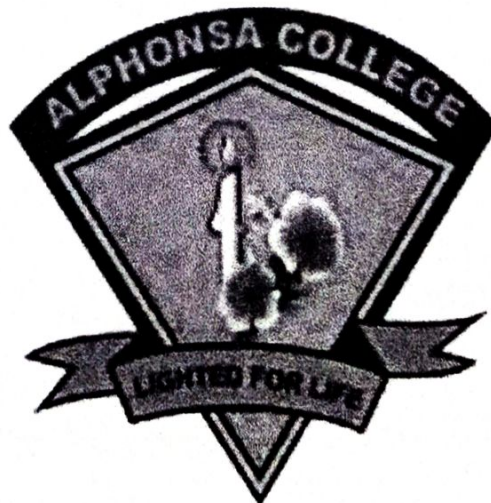
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This is to certify that the dissertation entitled "ANALYSIS OF ANTI BACTERIAL AND ANTI-COAGULANT ACTIVITY OF CHITOSAN EXTRACTED FROM PRAWN SHELL WASTE," is a bonafide work carried out by Miss. *Aiswarya S.A.*, of the Department of Zoology, *Alphonsa College, Pala*, in partial fulfilment of the requirements for the award of *M.Sc., Postgraduate in Zoology* of *M. G. University* during the period *2021-2022* under my supervision and guidance. This work has not been presented earlier for the award of any other degree.

Place :

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Christine Susan Anthony
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**BIOEFFICACY OF SELECTED BOTANICALS
AGAINST STORED GRAIN PEST**

SITOPHILUS OZAYZAE

*Dissertation submitted to the Mahatma Gandhi University in partial fulfillment of the
requirements for the post graduation*

Of

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This is to certify that the dissertation entitled "**Bioefficacy of selected botanicals against stored grain pest *Sitophilus oryzae***" is a bonafide work carried out by Ms. Ance James , of the Department of Zoology, Alphonsa College, Pala, in partial fulfilment of the requirement for the award of M. Sc Programme in Zoology of M. G. University during the period 2021-2022 under my supervision and guidance. This work has not been presented earlier for the award of any other degree.

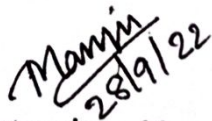
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CLOVE EXTRACT INCORPORATED GELATIN- PVA FILMS FOR PACKAGING APPLICATIONS

*Dissertation submitted to Mahatma Gandhi University in partial fulfillment of the
requirements for the award of the degree of*

MASTER OF SCIENCE IN ZOOLOGY

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This is to certify that the dissertation entitled "**CLOVE EXTRACT INCORPORATED GELATIN- PVA FILMS FOR PACKAGING APPLICATIONS**" is a bonafide work carried out by **Ms. ANGEL ELSA JOSE**, under the guidance of **Ms. TEENA JAMES** in the Department of Zoology, Alphonsa College, Pala as a partial fulfillment for the requirements of MSc Degree under the Faculty of Science of Mahatma Gandhi University.

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DISCRIMINATION OF ONE ESTURINE AND TWO FRESHWATER CRABS THROUGH MITOCHONDRIAL CO1 GENE

*Dissertation submitted to Mahatma Gandhi University
In partial fulfilment of the requirements for the award of the degree of*

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A STUDY ON THE REMOVAL OF HEAVY METALS FROM
INDUSTRIAL WASTE WATER BY USING AGRO BASED
BIOSORBENTS

*Dissertation submitted to the Mahatma Gandhi University in partial fulfilment of the
requirements for the post graduation*

Of

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SEPTEMBER-2022

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This is to certify that the dissertation entitled “A STUDY ON REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTE WATER BY USING AGRO BASED BIOSORBENTS” is a bonafide work carried out by Miss. Aswathi V.V, of the Department of Zoology, Alphonsa College, Pala, in partial fulfilment of the requirement for the award of MSC. Programme in Zoology of M. G. University during the period 2021- 2022 under my supervision and guidance. This work has not been presented earlier for the award of any other degree.

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Analysis of Calcium carbonate in different types of egg shells.

Dissertation submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN ZOOLOGY

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CERTIFICATE

This is to certify that the dissertation entitled “ **ANALYSIS OF CALCIUM CARBONATE IN DIFFERENT TYPES OF EGG SHELLS**”. is a bonafide work carried out by **Ms. LINIMOL GEORGE** under the guidance of **Dr. SIMIMOL SEBASTIAN** in the Department of Zoology, Alphonso College, Pala as a partial fulfillment for the requirements of MSc Degree under the Faculty of Science of Mahatma Gandhi University.

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