

**Prodigiosin Pigment Production from *Serratia marcescens*
using Fish Waste as Substrate**

DISSERTATION

Submitted to the University of Kerala in
Partial fulfillment to the requirement for the
Master of Science Degree in Zoology

By

ANJITHA SREEDHARAN
REG. NO- P1715001
COURSE CODE- 15PZ045

4698
P1715001

**POST GRADUATION AND RESEARCH
DEPARTMENT OF ZOOLOGY**



**FATIMA MATA NATIONAL COLLEGE, KOLLAM
AUTONOMOUS**

July 2019

**COMPARISON OF SEDIMENTOLOGICAL PARAMETERS
ALONG THE KOLLAM CANAL IN RELATION TO
MICROBIAL CONTENT**

*Dissertation submitted to the University of Kerala
in the partial fulfilment of the requirement for the
Master of science in zoology*

By

**Athira BS
Candidate Code: P1715002**

**4712
P1715002**

COURSE CODE: 15PZ045



**PG & Research Department of Zoology
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM**

June 2019

**Detection of microplastics in a bivalve, *Paphia malabarica* (Chemnitz 1782) of Ashtamudi Lake,
Kollam**

Submitted to the Fatima Mata National College, (Autonomous)
In partial fulfillment of the Requirements for the award of the Degree of
MASTER OF SCIENCE

IN
ZOOLOGY

Name- CHANDNI.R
REG.NO -P1715003

4707
P1715003

COURSE CODE – 15PZ045
PG & RESEARCH DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS),
KOLLAM-691001

JUNE 2019

**Detection of Microplastics in a bivalve, *Crassostrea
madrasensis* (Preston, 1916) of Ashtamudi Lake,
Kollam**

Submitted to the Fatima Mata National College, (Autonomous)

In partial fulfillment of the

Requirements for the award of the Degree of

MASTER OF SCIENCE

IN

ZOOLOGY

Name : DEEPTHI S

REG.NO : P1715004

4704

P1715004

COURSE CODE: 15PZ045

PG & RESEARCH DEPARTMENT OF ZOOLOGY,

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM

691001

JUNE 2019

**WASTE WATER TREATMENT USING CLAY BEAD
IMMOBILIZATION - A LABORATORY STUDY**

DISSERTATION

Submitted to the University of Kerala
In partial fulfillment of the
Requirements for the award of the Degree of
MASTER OF SCIENCE
IN
ZOOLOGY

NAME: FINI FRANCIS

REG.NO - P1715005

4708

P1715005



COURSE CODE – 15PZ045

**PG & RESEARCH DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM-**

691001

JUNE 2019

*DETECTION OF MICROPLASTICS IN BRANDED TABLE SALTS
MARKETED IN KOLLAM, KERALA*

Submitted to the Fatima Mata National College, (Autonomous)

In partial fulfillment of the Requirements for the award of the

Degree of

MASTER OF SCIENCE

IN

ZOOLOGY

Name – JISHAMOL JOHN

REG.NO – P1715007

**4702
P1715007**

COURSE CODE – 15PZ045

PG & RESEARCH DEPARTMENT OF ZOOLOGY,

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM 691001

JUNE 2019

**COMPARISON OF HYDROLOGICAL PARAMETERS
ALONG THE KOLLAM CANAL IN RELATION TO
MICROBIAL CONTENT AND PLANKTON DIVERSITY**

*Dissertation submitted to the University of Kerala
in the partial fulfilment of the requirement for the
Master of science in zoology*

By

**Jothy Peter
Candidate Code: P1715008**

**4706
P1715008**

COURSE CODE: 15PZ045



**PG & Research Department of Zoology
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM**

June 2019

*Bioactive Properties of Skin Peptides Isolated from
Oxyurichthys tentacularis*

DISSERTATION

Submitted to the University of Kerala in
Partial fulfillment to the requirement for the
Master of Science Degree in Zoology

By

MONISHA S
REG. NO- P1715010
COURSE CODE- 15PZ045

4701
P1715010

**POST GRADUATION AND RESEARCH
DEPARTMENT OF ZOOLOGY**



**FATIMA MATA NATIONAL COLLEGE, KOLLAM
AUTONOMOUS**

July 2019

**ROLE OF INSULIN ON ALLOXAN - INDUCED DIABETES:
HAEMATOLOGICAL, BIOCHEMICAL AND HISTOPATHOLOGICAL
STUDIES OF THE INDIAN FRESHWATER TELEOST,
OREOCHROMIS MOSSAMBICUS (PETERS, 1852)**

DISSERTATION

Submitted to the University of Kerala

In partial fulfillment of the

Requirements for the award of the Degree of

MASTER OF SCIENCE

IN

ZOOLOGY

REG.NO - P1715011

COURSE CODE – 15PZ045

**4700
P1715011**



**POST GRADUATE DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM-691001**

JULY 2019

**BIOPOTENTIALITIES OF PHYLLANTHUS EMBLICA FEED AS A
GROWTHPROMOTER AND COLOUR ENHANCER IN
XIPHOPHOROUS MACULATUS (GUNTHER,1866)**

DISSERTATION

Submitted to the University
of Kerala In partial
fulfillment of the
Requirements for the award of the Degree of

MASTER OF SCIENCE

IN

ZOOLOGY

SIBI B

REG.NO - P1715013

COURSE CODE - 15PZ045

4703

P1715013



**PG & RESEARCH DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM-691001**

JULY 2019

**A COMPREHENSIVE REVIEW ON THE EFFICACY OF BACOPA
MONNIERISUPPLEMENTED FEED AS ENHANCER OF GROWTH
AND COLOUR IN POECILIA RETICULATA (W.PETERS,1859)**

DISSERTATION

Submitted to the University
of Kerala In partial
fulfillment of the
Requirements for the award of the Degree of

**MASTER OF SCIENCE
IN
ZOOLOGY**

**THEERTHA THAMPI S
REG.NO-P1715014
COURSE CODE-15PZ045**

**4699
P1715014**



**PG & RESEARCH DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM-691001
JULY 2019**

*Isolation, Screening and Identification Of Hydrocarbon
Degrading Bacteria From Ashtamudi Mangrove Soil, Kollam,
Kerala*

DISSERTATION

Submitted to the University of Kerala in
Partial fulfillment to the requirement for the
Master of Science Degree in Zoology

By

ALPHY KURIAN
REG. NO- P1715015
COURSE CODE- 15PZ045

4710
P1715015

POST GRADUATION AND RESEARCH
DEPARTMENT OF ZOOLOGY



FATIMA MATA NATIONAL COLLEGE, KOLLAM
AUTONOMOUS

July 2019

**EVALUATION OF ANTIOXIDANT POTENTIAL, BIOCHEMICAL,
AND HISTOPATHOLOGICAL RESPONSES OF AIR BREATHING
CATFISH, *CLARIAS BATRACHUS* (LINNAEUS, 1758) EXPOSED TO
STREPTOZOTOCIN & INSULIN**

DISSERTATION

Submitted to the University of Kerala

In partial fulfillment of the

Requirements for the award of the Degree of

MASTER OF SCIENCE

IN

ZOOLOGY

REG.NO - P1715009

COURSE CODE - 15PZ045

4711

P1715009



**POST GRADUATE DEPARTMENT OF ZOOLOGY,
FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM-691001**

JULY 2019

**Histopathological alterations in gill of
Etroplus suratensis as a tool in
environmental monitoring**

*Submitted to the Fatima Mata National College,
(Autonomous)*



*In partial fulfillment of the
Requirements for the award of the Degree of*

MASTER OF SCIENCE

IN

ZOOLOGY

Name :RESHMA G.

REG.NO: P1715012

COURSE CODE: 15PZ045

JUNE 2019

4709

P1715012

**IMPACT OF SELECTED HEAVY METALS ON THE
CHROMATOPHORES OF *ETROPLUS SURATENSIS* FROM TWO
DIFFERENT SITES OF ASHTAMUDI LAKE**

*Submitted to the Fatima Mata National College,
(Autonomous)*



*In partial fulfillment of the
Requirements for the award of the Degree of*
MASTER OF SCIENCE
IN
ZOOLOGY

Name : GEETHU RAJ

REG.NO : P1715006

COURSE CODE : 15PZ045

JUNE 2019

4705
P1715006