

**POTENTIAL TOXIC EFFECTS OF SPENT LITHIUM-ION
BATTERY EXTRACT ON *ARTEMIA SALINA***

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

ANAGHA S JITHU (222ZO001)

UNDER THE GUIDANCE OF

Dr. C. SHOBANA, M.Sc., M.Phil., M.Ed., Ph.D.
Assistant Professor in Zoology



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with "A+" Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**COMPARATIVE ANALYSIS OF GUT MICROBIOTA IN
HEALTHY AND DISEASED PEARLSPOT FISH,
(*Etroplus suratensis*)**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

ASWIN KRISHNA BIJULAL (222ZO002)

UNDER THE GUIDANCE OF

Dr. V. MEIYALAGAN, M. Sc., Ph. D

Assistant Professor in Zoology



**DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE**

(Autonomous)

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A⁺ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**STUDIES ON BACTERIAL DIVERSITY IN SOIL SAMPLES FROM
COIMBATORE DISTRICT, TAMIL NADU, INDIA**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

Monisha R - (222ZO003)

UNDER THE GUIDANCE OF

DR. S RAJESHKUMAR

**MSc, Ph.D, PGDCA
ASSISTANT PROFESSOR**



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Affiliated to Bharathiar University
Re-accredited by NAAC with A⁺ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore - 641029, Tamil Nadu, India.

APRIL - 2024

**ALLELOCHEMICAL DETOXIFICATION ENZYMES
INTERACTION: FLAVONE WITH DETOXIFICATION
ENZYMES OF PEST BANANA STEM WEEVIL,
*Odoiporus longicollis***

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

VAYSHNA. M. P. (222ZO004)

UNDER THE GUIDANCE OF

**Dr. S. BINUKUMARI, M.Sc., M.Phil., Ph.D., M.Ed., PGDMB
Associate Professor in Zoology & HOD i/c.,**



**DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)**

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A+ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**STUDY ON TAXONOMY, GROWTH AND CONDITION FACTOR OF
BAGRIDAE FISHES FROM BHAVANI RIVER, WESTERN GHATS**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

BOOMIKA P

(REG NO: 222ZO005)

UNDER THE GUIDANCE OF

Dr. K. KANNAN, M.Sc., M.Phil., Ph.D., PDF
Assistant Professor in Zoology



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Institution Affiliated to Bharathiar University

Re-accredited by NAAC with "A⁺" Grade (4th cycle)

29th Rank among Colleges in NIRF 2023

College of Excellence (UGC)

Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**QUALITATIVE AND QUANTITATIVE PHYTOCHEMICAL ANALYSIS
OF BROWN SEAWEED *HORMOPHYSA CUNEIFORMIS* COLLECTED
FROM MANDAPAM COASTAL REGIONS, SOUTHEAST COAST OF
INDIA, WITH ITS ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY
DETERMINATION.**

**THE PROJECT SUBMITTED IN PARTIAL FULLFILLMENT
OF THE REQUIREMENT FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

MOHANRAJ E (222ZO006)

UNDER THE GUIDANCE OF

Dr. M. SAMYNATHAN, MSc., B.Ed., PhD.

Assistant Professor of Zoology,

Kongunadu Arts and Science College.



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

Institution Affiliated to Bharathiar University

Re-accredited by NAAC with "A+" Grade (4th cycle)

29th Rank among Colleges in NIRF 2023

College of Excellence (UGC)

Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

ISOLATION, BIOCHEMICAL CHARACTERIZATION AND PRODUCTION OF FEW BIO-ENZYMES WITH INDUSTRIAL APPLICATIONS FROM MARINE BACTERIA

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

VARADA M (222ZO007)

UNDER THE GUIDANCE OF

**Dr. K. VELMURUGAN, M.Sc., M.Phil., Ph.D., B.Ed., (SET).,
Assistant Professor in Zoology**



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A⁺ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**TAXONOMY AND CURRENT DISTRIBUTION STATUS OF
INDIAN FROGFISH, ANTENNARIUS INDICUS SCHULTZ,
1964 (LOPHIIFORMES: ANTENNARIIDAE), FROM INDIAN
WATERS: A MOLECULAR AND MORPHOLOGICAL
APPROACH**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

GOPIKA O (222ZO008)

UNDER THE GUIDANCE OF

**Dr. K. KANNAN, M.Sc., M.Phil., Ph.D., PDF
Assistant Professor in Zoology**



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Institution Affiliated to Bharathiar University

Re-accredited by NAAC with "A+" Grade (4th cycle)

29th Rank among Colleges in NIRF 2023

College of Excellence (UGC)

Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**VERMIDegradation OF DIAPER GEL USING
EARTHWORM *Eudrilus eugeniae***

**THE DISSERTATION SUBMITTED IN PARTIAL FULLFILLMENT
OF THE REQUIREMENT FOR THE DEGREE OF
MASTER OF SCIENCE IN ZOOLOGY**

SUBMITTED BY

PARVATHI R (222ZO009)

UNDER THE GUIDANCE OF

Dr. P. KATHIRESWARI, M.Sc., Ph.D., PGDCA, PGDBI

Assistant Professor, Department of Zoology



**PG AND RESERCH DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)**

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A+ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**EVALUATION OF THE PHYSICO-CHEMICAL AND BIOLOGICAL
PARAMETERS OF CHALIYAR RIVER, MAVOOR, CALICUT,
KERALA**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

ADHITHYA. P.C. (222ZO011)

UNDER THE GUIDANCE OF

**Dr. M. LEKESHRMANASWAMY, MSc, M. Phil, Ph.D., B. Ed, FSISC, FISEC
HOD AND PRINCIPAL**



**DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)**

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A+ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**EFFECT OF SEED DISPERSAL MECHANISM BY THE GREAT
INDIAN HORNBILL IN THE NELLIYAMPATHI RANGE OF
NENMARA FOREST DIVISION OF WESTERN GHATS IN KERALA,
INDIA**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT
FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
ARATHI.A.S
(Reg No: 222ZO012)**

**UNDER THE GUIDANCE OF
Dr. R VENKITTACHALAM. MSc., M. Phil., Ph. D
Assistant Professor in Zoology**



**DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE**

(Autonomous)

**Institution Affiliated to Bharathiar University
Re-accredited by NAAC with "A+" Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.**

APRIL – 2024

EXPLORING THE POTENTIAL OF BIOREMEDIATION IN NATURAL LAKE ORGANIC WASTE THROUGH BLACK SOLDIER FLY LARVAE

**THE DISSERTATION SUBMITTED IN PARTIAL FULLFILLMENT
OF THE REQUIREMENT FOR THE DEGREE OF**

MASTER OF SCIENCE IN ZOOLOGY

SUBMITTED BY

Abhimanyu Srinath (222ZO013)

UNDER THE GUIDANCE OF

**Dr. S. Raja M.Sc., Ph.D.,
PGDBI**

**Assistant Professor of Zoology
Kongunadu Arts and Science College**



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

Institution Affiliated to Bharathiar University

Re-accredited by NAAC with "A+" Grade (4th cycle)

29th Rank among Colleges in NIRF 2023

College of Excellence (UGC)

Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024

**CURRENT TAXONOMIC POSITION OF
GYMNOTHORAX FAVAGINEUS FROM INDIAN
WATERS, BASED ON MORPHOMETRIC AND
GENETIC EVIDENCE**

**THE DISSERTATION SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE IN ZOOLOGY**

SUBMITTED BY

ABHINAND KRISHNA (222ZO014)

UNDER THE GUIDANCE OF

**Dr. S. MANIVANNAN M.Sc., M.Phil, PGDCA, B.Ed., Ph.D, (NET)
Assistant Professor in Zoology**



**DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)**

Institution Affiliated to Bharathiar University
Re-accredited by NAAC with A⁺ Grade (4th cycle)
29th Rank among Colleges in NIRF 2023
College of Excellence (UGC)
Coimbatore – 641029, Tamil Nadu, India.

APRIL – 2024