

**Bioconversion of fish waste into liquid fertilizer and evaluation of its effect on
the growth of *Vigna mungo* L.(Black gram)**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

GOKULAKRISHNAN .V

(Reg. No. 202BC001)

Under the Guidance of

Dr. M.SANTHOSHKUMAR M.Sc., PhD.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)**

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

**DEVELOPMENT AND EVALUATION OF VALUE ADDED PRODUCT –
COOKIES USING *pleurotus djamor* (PINK OYSTER MUSHROOM)**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

BHUVANA A

(Reg. No. 202BC002)

Under the Guidance of

Dr. K . NIRUBAMA M.Sc., M.Phil., Ph.D.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE - 2022

***invitro* Antioxidant and its Cytotoxic activity of hydroethanolic extract of
Carica papaya (Linn) seeds**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfilment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

P. J. SHERIN

(Reg. No. 202BC003)

Under the Guidance of

Dr. S. MONISHA M.Sc., M.Phil., PGDNBT., Ph.D

ASSISTANT PROFESSOR



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA**

JUNE - 2022

**Assessment of *in-vitro* anticancer, antimicrobial and antioxidant activity of
ethanolic leaf extract of *Cleome gynandra* Linn.**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

J. ABITHARANI

(Reg. No. 202BC004)

Under the Guidance of

Dr. R. VENKATESH M.Sc., B.Ed., M.Phil., Ph.D., PGDMM, CMLT.

ASSISTANT PROFESSOR AND HEAD (i/c)



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)**

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

PURIFICATION OF LACTOFERRIN FROM GOAT MILK WHEY

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

NITHISH.R

(Reg. No.202BC005)

Under the Guidance of

Dr. NARENDHIRAKANNAN R.T.

M.Sc., M.Phil., Ph.D., D.C.S., PDF(Czech Rep.), FISCA, (P.G.D.H.E)

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)**

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE – 2022

**PREPARATION OF KOMBUCHA USING WHITE TEA AND
STUDY ITS *IN VITRO* ANTICANCER PROPERTIES**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

THARANLA

(Reg. No. 202BC006)

Under the Guidance of

**Dr. R.T. Narendhirakannan MSc, M.Phil., DCS, PhD, PDF(Czech Rep.)
(DST Young Scientist, INSA visiting scientist) Assistant Professor**



**DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA
JUNE – 2022**

Zno/AgNPs Coated Multi-Walled Carbon Nanotubes for Dye Degradation

Project Dissertation

**In partial fulfillment of requirements for the Award of the degree of
MASTER OF SCIENCE IN BIOCHEMISTRY**

Submitted by

GOWTHAM J

(Reg. No. 202BC007)

Under the Guidance of

Dr. J. ANITHA M.Sc., Ph.D., PDF

ASSISTANT PROFESSOR

Submitted to



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COLLEGE OF EXCELLENCE (UGC), AFFILIATED TO BHARATHAIR

UNIVERSITY, G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE – 2022

***IN-VITRO* ANTIOXIDENT POTENTIAL OF *FICUS RELIGIOSA*
(L) LEAVES AGAINST H₂O₂ INDUCED OXIDATIVE STRESS
IN FISH LIVER SLICES**

A DESSERTATION SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

HEMALATHA N

(Reg. No. 202BC008)

Under the Guidance of

DR. P. GOWTHAM M.SC., PH.D., PGDCA

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC)**

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE - 2022

***IN-VITRO* ANTIOXIDANT POTENTIAL OF *CHRYSOPOGAN*
ZIZANIOIDES LINN ROOT AGAINST H₂O₂ INDUCED
OXIDATIVE STRESS IN FISH LIVER SLICES**

**A DISSERTATION SUBMITTED TO
Kongunadu Arts and Science College (Autonomous)**

**Affiliated to Bharathiar University in partial fulfillment of requirements for the award
of the degree of**

**MASTER OF SCIENCE
IN
BIOCHEMISTRY (PG AND RESEARCH)**

Submitted by

N. SWATHY

(Reg. No. 202BC009)

Under the Guidance of

**Dr. P. GOWTHAM M.Sc., Ph.D., PGDCA
ASSISTANT PROFESSOR**



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY
COLLEGE OF EXCELLENCE (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA
JUNE - 2022**

Evaluation of *in-vitro* Anticancer, Antimicrobial and Antioxidant activity of
Ageratum conyzoides (L.) and *Sphagneticola trilobata* (L.) Pruski Leaves

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

BENITTA SOOSAN THOMAS

(Reg. No. 202BC010)

Under the Guidance of

Dr. R. VENKATESH M.Sc., B.Ed., M.Phil., Ph.D., PGDMM, CMLT.,

ASSISTANT PROFESSOR AND HEAD (i/c)



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

**In silico Drug Discovery of *Androechin* and *Andrographidine*
Targeting SARS-COVID-19 Attachment of 3-JCL Spike Protein**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfilment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

GOKUL. V

(Reg. No. 202BC011)

Under the Guidance of

Dr. K. Nirubama M.Sc., M.Phil., Ph.D.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE – 2022

**EVALUATION OF *IN-VITRO* ANTIDIABETIC ACTIVITY OF HOT
AQUEOUS EXTRACT OF *Pleurotus djamor* MUSHROOM**

PROJECT DISSERTATION SUBMITTED TO

DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

ARCHANA M J

(Reg. No. 202BC012)

Under the Guidance of

Dr. M. SANTHOSHKUMAR M.Sc., Ph.D.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE - 2022

**AEROBIC BIOCONVERSION OF MIXED FRUIT WASTE INTO
POTENTIAL LIQUID FERTILIZER TO ENHANCE THE GROWTH
PERFORMANCE OF *Vigna mungo*. L (BLACK GRAM)**

**PROJECT DISSERTATION SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfilment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

ANUVIDHIYYA. A

(Reg. No. 202BC013)

Under the Guidance of

Dr .M.SANTHOSHKUMAR M.Sc., PhD.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

**GREEN SYNTHESIS OF *Emilia sonchifolia* REDUCED BIMETALLIC (COPPER
AND ZINC) NANOPARTICLES WITH TOXICITY REFERENCE AGAINST
AGRICULTURAL DEFOLIATOR *Helicoverpa armigera***

PROJECT DISSERTATION

In partial fulfillment of requirements for the

Award of the degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

ANN MARY MATHEW

(Reg. No. 202BC014)

Under the Guidance of

Dr. J. ANITHA M.Sc., Ph.D., PDF

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

AFFILIATED TO BHARATHIYAR UNIVERSITY

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE – 2022

**EVALUATION OF ANTICANCER POTENTIAL OF POLYHERBAL
FORMULATION OF *Capsicum frutescence* L. AND
Solanum americanum Mill. LEAVES EXTRACT**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial Fulfilment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

SNEHA BIJU

(Reg. No. 202BC015)

Under the Guidance of

Dr. P.GOWTHAM M.Sc., Ph.D., PGDCA

ASSISTANT PROFESSOR



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA**

JUNE - 2022

**BIOLOGICAL GUM REDUCED SILVER NANOPARTICLES AGAINST
BREAST CANCER CELL (MM2)**

Project report submitted for the partial fulfillment of requirements for the

Award of the degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Mr. LOGESH KISHORE.V

(Reg. No. 202BC016)

Under the Guidance of

Dr. J. ANITHA M.Sc., Ph.D., PDF

ASSISTANT PROFESSOR

Submitted to



**DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC), AFFILIATED TO BHARATHIAR
UNIVERSITY, G.N MILLS POST, COIMBATORE- 641029,
TAMILNADU, INDIA**

JUNE - 2022

**BIO-PESTICIDAL EFFECT OF ALGAE (*Spirogyra zygneatales*) REDUCED
BIMETALLIC NANO COMPOSITE AGAINST *Spodoptera litura* (FAB): AN
AGRICULTURAL COMMODITIES DEFOLIATOR
PROJECT DISSERTATION**

In partial fulfillment of requirements for the

Award of the degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

AKSHAYA P.P

(Reg. No. 202BC017)

Under the Guidance of

Dr. J. ANITHA M.Sc., Ph.D., PDF

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

AFFILIATED TO BHARATHIAR UNIVERSITY

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA

JUNE – 2022

**Evaluation of *in-vitro* Anticancer and Antimicrobial effect of *Centella asiatica*
(L.) Urb and *Coccinia grandis* (L.) Voigt leaves**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

MITHUN K RAJAN

(Reg. No. 202BC018)

Under the Guidance of

Dr. R. VENKATESH M.Sc., B.Ed., M.Phil., Ph.D., PGDMM, CMLT.,

ASSISTANT PROFESSOR AND HEAD (i/c)



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

**SYNERGISTIC EFFECT OF CELLULOSE-SILVER NANOPARTICLES
AGAINST MALARIAL VECTOR *ANOPHELES STEPHENSI*
PROJECT DISSERTATION**

**In partial fulfillment of requirements for the
Award of the degree of
MASTER OF SCIENCE IN BIOCHEMISTRY**

**Submitted by
MANJU BASHINLS
(Reg. No. 202BC019)**

**Under the Guidance of
Dr. J. ANITHA M.Sc., Ph.D., PDF
ASSISTANT PROFESSOR OF BIOCHEMISTRY**



**Submitted To
DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA
JUNE - 2022**

***in-vitro* ANTIOXIAN AND CYTOTOXIC ACTIVITY OF ETHANOLIC
EXTRACT OF *ACMELLA OLERACEA* (L.) ON MCF-7 BREAST CANCER
CELL LINE**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

VISHNUPRIYA N M

(Reg. No. 202BC020)

Under the Guidance of

Dr. S. MONISHA M.Sc., M.Phil., Ph.D., PGDNBT.,

ASSISTANT PROFESSOR



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA

JUNE - 2022

**Formulation, Evaluation and its anti-inflammatory activity of HERBAL
LIPSTICK**

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

S. NANDHINI

(Reg. No. 202BC021)

Under the Guidance of

**Dr. S. MONISHA M.Sc., M.Phil., PGDNBT., Ph.D.,
ASSISTANT PROFESSOR**



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA**

JUNE - 2022

**PREPARATION OF GREEN TEA KOMBUCHA USING MUSHROOM
AND EVALUATING ITS ANTICANCER PROPERTIES –**

**An in vitro study
PROJECT DISSERTATION**

**In partial fulfillment of requirements for the
Award of the degree of
MASTER OF SCIENCE IN BIOCHEMISTRY**

**Submitted by
AISWARIYA.E.P
(Reg. No. 2022BC022)**

**Under the Guidance of
Dr. R.T. Narendhirakannan MSc, M.Phil., DCS, PhD, PDF (Czech Rep.)
Assistant Professor**



**DEPARTMENT OF BIOCHEMISTRY (PG& RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA**

JUNE – 2022

**Assessment of *in-vitro* anticancer, antimicrobial and antioxidant activity of
ethanolic leaf extract of *Elaeocarpus variabilis***

**PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements for the
Award of the degree of**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

S. SUJITH

(Reg. No. 202BC023)

Under the Guidance of

Dr. R. VENKATESH M.Sc., B.Ed., M.Phil., Ph.D., PGDMM, CMLT.

ASSISTANT PROFESSOR AND HEAD (i/c)



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
College of Excellence (UGC)
G.N MILLS POST, COIMBATORE- 641029, TAMIL NADU, INDIA**

JUNE - 2022

**DEVELOPMENT OF HYDROGEL FROM *TRIDAX PROCUMBENS*
WOUND HEALING BANDAGE**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BIHARATHIAR UNIVERSITY**

**In partial fulfillment of requirements of the
Award of the degree of**

MASTER OF SCIENCE IN BIOCEMISTRY

Submitted by

S.PANDIYARAJAN

(Reg. NO. 202BC024)

Under the Guidance of

Dr. K. Nirubama M.sc. M.phil.,PhD.,

ASSISTANT PROFESSOR



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)**

College of Excellence (UGC)

G.N MILLS POST, COIMBATORE-641029, TAMILNADU, INDIA

JUNE-2022