

**IN VITRO ANTI-OXIDANT, ANTI-BACTERIAL AND ANTI-
INFLAMMATORY ACTIVITY OF *Momordica cymbalaria***

DISSERTATION

SUBMITTED TO KONGUNADU ARTS AND SCIENCE COLLEGE,
AFFILIATED TO BHARATHIAR UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

THE DEGREE OF
MASTER OF SCIENCE

in

BIOCHEMISTRY

Submitted by

Ms. I. KARTHIGA

(Reg. No: 172BC001)

II M.Sc., Biochemistry

Under the Guidance of

Dr. M. KALAISELVI, M.Sc., M.Phil., Ph.D., CMLT
Assistant Professor



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

Re-Accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)
College Of Excellence (UGC)
Coimbatore - 641 029.

MARCH - 2019

**PHYSICO CHEMICAL AND SENSORY CHARACTERISTICS OF JAM MADE
FROM (*Syzygium samarangense*)**

PROJECT REPORT

**Submitted to Kongunadu Arts and Science College (Autonomous), affiliated to
Bharathiar University in partial fulfilment of the requirements
for the award of the Degree of
MASTER OF SCIENCE IN BIOCHEMISTRY**

Submitted by

Uchimahali. M (172BC002)

Under the Guidance of

Dr. M. Nithya devi, M.Sc., M.Phil., Ph.D.,



DEPARTMENT OF BIOCHEMISTRY (PG)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A' Grade 3.64 CGPA out of 4 (3rd cycle)

College of Excellence (UGC)

COIMBATORE - 641 029, TAMIL NADU.

MARCH - 2019

**DETERMINATION OF BIOCHEMICAL COMPONENTS IN THE POST
MUSHROOM SUBSTRATE OF THREE CULTIVATED OYSTER
MUSHROOM SPECIES**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF

THE DEGREE OF

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,

VIGNESH. G (172BC003),

II M.Sc Biochemistry

Under the guidance of

Dr. S. KATHIRAVAN

M.Sc., M.Phil., Ph.D., PGDBI., PGDEMA., (SET)

Assistant Professor



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

College of Excellence (UGC)

Re-accredited by NAAC with 'A' grade – 3.64 CGPA out of 4 (3rd cycle)

Coimbatore – 641 029, Tamil Nadu, India.

MARCH 2019

**ANTIPROLIFERATIVE EFFECT OF *Cleome gynandra* ON LUNG CANCER CELL
LINES**

PROJECT REPORT

SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
COIMBATORE-641 029.**

**In partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN BIOCHEMISTRY**

Submitted by

Abhirami. K. S (172BC004)

Under the Guidance of

**Dr. M. NITHYA DEVI M.Sc., MBA., M. Phil., Ph.D.,
Associate Professor**



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
Re-accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)
College of Excellence (UGC),
G.N MILLS (PO), COIMBATORE - 641029. TAMIL NADU.**

MARCH - 2019

**PRODUCTION AND CHARACTERIZATION AND PROCESS VARIABLES OF
BIODIESEL FROM MAHUA, JATROPHA CURCUS OIL AND HYDROCARPUS
WIGHTIANA IT'S PERFORMANCE AND EMISSION STUDY**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfilment of requirement for the award of Degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Jeeva . P (172BC005)

Under the Guidance of

Dr. M. Nithya Devi M.Sc., M.Phil., Ph.D



DEPARTMENT OF BIOCHEMISTRY (PG)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A' Grade 3.64 CGPA out of 4 (3rd cycle)

College of Excellence (UGC)

COIMBATORE – 641 029, TAMIL NADU.

MARCH - 2019

**PHYTOCHEMICAL SCREENING AND EVALUATION OF
BIOLOGICAL ACTIVITIES OF POLYHERBAL FORMULATION**

DISSERTATION

**SUBMITTED TO KONGUNADU ARTS AND SCIENCE COLLEGE,
AFFILIATED TO BHARATHIAR UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
THE DEGREE OF**

MASTER OF SCIENCE

in

BIOCHEMISTRY

Submitted by

Mr. S. Gunasekar

(Reg. No: 172BC006)

II M.Sc., Biochemistry

Under the Guidance of

**Dr. M. KALAISELVI, M.Sc., M.Phil., Ph.D., CMLT
Assistant Professor**



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

**Re-Accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)
College Of Excellence (UGC)
Coimbatore - 641 029.**

MARCH - 2019

**AMELIORATING EFFECT OF VERMICOMPOST ON BIOCHEMICAL AND
MOLECULAR CHARACTERISTICS OF *Lablab purpureus* INDUCED METAL
STRESS WITH CADMIUM**

DISSERTATION

SUBMITTED TO KONGUNADU ARTS AND SCIENCE COLLEGE.

AFFILIATED TO BHARATHIAR UNIVERSITY

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

THE DEGREE OF

MASTER OF SCIENCE

in

BIOCHEMISTRY

Submitted by

Ms. K. UMA MAGESHWARI

(Reg. No: 172BC009)

II M.Sc., Biochemistry

Under the Guidance of

Dr. M. KALAISELVI, M.Sc., M.Phil., Ph.D., CMLT

Assistant Professor



PG AND RESEARCH DEPARTMENT OF BIOCHEMISTRY

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

Re-Accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)

College Of Excellence (UGC)

Coimbatore - 641 029.

MARCH - 2019

**BIOTRANSFORMATION OF BIOACTIVE COMPOUNDS IN TEA
LEAVES BY PECTINASE ENZYME PRODUCED BY PREDOMINANT
MICROBES ISOLATED FROM TEA RESIDUAL COMPOST**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF

THE DEGREE OF

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,

FRANCIS LIJO MENDEZ A. (172BC011),

II M.Sc Biochemistry

Under the guidance of

Dr. S. KATHIRAVAN

M.Sc., M.Phil., Ph.D., PGDBI., PGDEMA., (SET)

Assistant Professor



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

College of Excellence (UGC)

Re-accredited by NAAC with 'A' grade – 3.64 CGPA out of 4 (3rd cycle)

Coimbatore – 641 029, Tamil Nadu, India.

MARCH 2019

**PHYTOCHEMICAL QUANTIFICATION AND *INVITRO*
ANTI-OXIDANT ACTIVITY OF ETHANOLIC EXTRACTS OF
*ALYSICARPUS RUGOSUS (WILLD.)***

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF

THE DEGREE OF

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,

FRANKLINDAVID. J (172BC012),

II M.Sc Biochemistry

Under the guidance of

Dr. S. KATHIRAVAN

M.Sc., M.Phil., Ph.D., PGDBL, PGDEMA., (SET)

Assistant Professor



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

College of Excellence (UGC)

Re-accredited by NAAC with 'A' grade – 3.64 CGPA out of 4 (3rd cycle)

Coimbatore – 641 029, Tamil Nadu, India.

MARCH 2019

**VARIATION IN SEED SOURCES OF *Santalum album* L., -MORPHOMETRIC,
PHYSIOLOGICAL, AND BIOCHEMICAL IMPLICATIONS.**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfilment of requirement for the award of Degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Fenwick Antony E.R (172BC013)

Under the Guidance of

Dr. M . Kalaiselvi M.Sc., M.Phil., Ph.D



DEPARTMENT OF BIOCHEMISTRY (PG)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A' Grade 3.64 CGPA out of 4 (3rd cycle)

College of Excellence (UGC)

COIMBATORE – 641 029, TAMIL NADU.

MARCH - 2019

**ENCAPSULATION OF CURCUMIN DOPPED COPPER OXIDE
NANOPARTICLES: ANTI-BACTERIAL AND ANTI-PROLIFERATIVE
ACTIVITY AGAINST BREAST CANCER CELL LINE**

DISSERTATION

**SUBMITTED TO KONGUNADU ARTS AND SCIENCE COLLEGE,
AFFILIATED TO BHARATHIAR UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF**

**THE DEGREE OF
MASTER OF SCIENCE**

in

BIOCHEMISTRY

Submitted by

Ms. R. THENNMALAR

(Reg. No: 172BC014)

II M.Sc., Biochemistry

Under the Guidance of

Dr. M. KALAISELVI, M.Sc., M.Phil., Ph.D., CMLT
Assistant Professor



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

**Re-Accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)
College Of Excellence (UGC)
Coimbatore - 641 029.**

MARCH - 2019

**PHYTOCHEMICAL CHARACTERIZATION AND ANTIBACTERIAL
ACTIVITY OF ETHANOLIC EXTRACT OF *ALYSICARPUS RUGOSUS*
(WILLD.)**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

IN PARTIAL FULFILLMENT FOR THE AWARD OF

THE DEGREE OF

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,

BAVANI VEERAMATHI. N (172BC016),

II M.Sc Biochemistry

Under the guidance of

Dr. S. KATHIRAVAN

M.Sc., M.Phil., Ph.D., PGDBI, PGDEMA., (SET)

Assistant Professor



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

College of Excellence (UGC)

Re-accredited by NAAC with 'A' grade – 3.64 CGPA out of 4 (3rd cycle)

Coimbatore – 641 029, Tamil Nadu, India.

MARCH 2019

NUTRIENT, PHYTOCHEMICAL AND PHYSICOCHEMICAL ANALYSIS OF
Persea americana

PROJECT REPORT
SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
COIMBATORE-641 029.

In partial fulfilment of the requirements for the award of the degree of
MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by
JANANI.T (172BC019)

Under the Guidance of
Dr. M. NITHYA DEVI M.Sc., MBA., M. Phil., Ph.D.,
Associate Professor



DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
Re-accredited by NAAC with 'A' Grade 3.64 CGPA (3rd Cycle)
College of Excellence (UGC),
G. N MILLS (PO), COIMBATORE - 641029. TAMIL NADU.
MARCH - 2019

**BIOCHEMICAL CHARACTERIZATION OF A WATER FERN,
AZOLLA MICROPHYLLA**
PROJECT REPORT
SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY
IN PARTIAL FULFILLMENT FOR THE AWARD OF
THE DEGREE OF
MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,
DHIVYA. S (172BC020),

II M.Sc Biochemistry

Under the guidance of

Dr. S. KATHIRAVAN

M.Sc., M.Phil., Ph.D., PGDBI., PGDEMA., (SET)

Assistant Professor



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

College of Excellence (UGC)

Re-accredited by NAAC with 'A' grade – 3.64 CGPA out of 4 (3rd cycle)

Coimbatore – 641 029, Tamil Nadu, India.

MARCH 2019

**PRODUCTION AND CHARACTERIZATION AND PROCESS VARIABLES OF
BIODIESEL FROM *MILLETIA PINNATA*, *PONGAMIA PINNATA* AND
HYDNOCARPUS WIGHTIANA IT'S PERFORMANCE AND EMISSION STUDY**

PROJECT REPORT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

In partial fulfilment of requirement for the award of Degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

V. Raja Livingston

(172BC022)

Under the Guidance of

Dr. M. Nithya Devi M.Sc., M.Phil., Ph.D



DEPARTMENT OF BIOCHEMISTRY (PG)

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A' Grade 3.64 CGPA out of 4 (3rd cycle)

College of Excellence (UGC)

COIMBATORE – 641 029, TAMIL NADU.

MARCH - 2019