

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



(AUTONOMOUS)

College of Excellence – Status awarded by UGC,
Re-accredited by NAAC with 'A+' Grade (4th Cycle)
NIRF 2022: 31st Rank (All Over India),
RIIA 2022: 'Band “Performer” category, IIC3.0: 4 STAR,
Coimbatore, Tamil Nadu

DEPARTMENT OF BIOCHEMISTRY (PG)

Detailed Report on field visit

Date& time of the Special lecture	:	10.10.2022 at 10.00 am
Title of the Webinar	:	One Day field visit for
Industry address	:	Idhyam, VVVand son's edible oils, IPL parikshan lab (NABL certified) Viruthunagar – 626 001.
Total number of the participants	:	43 students and 4 faculty members
Organizing Secretary	:	Dr. J. Anitha, Asst. Prof. of Biochemistry (PG and Research)

One day field visit for Idhyam, VVVand son's edible oils, IPL Parikshan lab (NABL certified) Viruthunagar has been visited by the students and faculty members. Early morning 5 am the journey from college has been started and reached to factory at 10.30 am. Mr. Manoharan Pro of the industry has briefly explained about the process and marketing of the products. Then students has been taken for the factory visited to various department from production to packing. NABL certified IPL parikshan laboratory has also been visited by our students. There they gained knowledge on quality checking of all the products right from nutrients, pesticide content, etc.,. Lunch ahs been provided by the factory and also 10 best students have been selected from the interactive session and awardee their product as gift. Finally, all the students have received their certificates and gift hampers from the factory.

V.V.V. & Sons Edible Oils Limited

CIN : U15144TN2008PLC067129

Regd. Office : Post Box No. 19
443, Bazaar, Virudhunagar - 626 001
Tamilnadu, India

GST No. 33AACC6897R1ZA
I & E Code No. 3508005950
Mobile : +91 97509 - 55457
E-mail : threevee@idhayam.com



September 21, 2023

Dr.J.Anitha
Assistant Professor
Department of Biochemistry (PG and Research)
Kongunadu Arts and Science College (Autonomous)
Coimbatore - 641029.

Dear Mam,

Greetings from Idhayam!

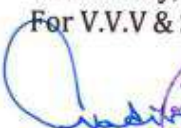
Sub: Confirmation of Industrial Visit.

Your 43 Biochemistry students and 4 faculty are most welcome to visit our factory at Villipathiri on 07 October 2023 (Saturday).

Time: 10am to 1pm.

With best wishes,

Yours truly,
For V.V.V & Sons Edible Oils Limited.,


G.Vadivel
Manager
Business Development



Contact for further details - Mob.no.97509 55454









since 1998

KOVAI DIAGNOSTIC LABORATORY

DR. RADHAKRISHNAN CLINIC, 32, CHURCH ROAD, DHARAPURAM

Dr. Radhakrishnan clinic, 32, Church road, Dharapuram

98427 82220
94437 28555

kovailabdpm@gmail.com

EXPERIENCE CERTIFICATE

Date : 15.06.2023

To Whom It May Concern

Certified that **M/S. S.KOVARSIGA M.SC BIOCHEMISTRY** Student of **KONGU NADU ARTS AND SCIENCE COLLEGE** was working had **LAB TECHNICIAN** in our **KOVAI DIAGNOSTIC LABORATORY** since dated **01.06.2023** to **15.06.2023**

He had responsibly carried out the following works during his tenure with us:

- Collect, label and analyze the samples of blood, toxic, etc.,
- Conduct tests using appropriate instruments and record test results in specified forms.
- Analyze, make observations and interpret findings on test results;
- Maintain laboratory equipment and order timely the laboratory supplies;
- Ensure safety guidelines in storage and maintenance of fluids, chemical substances, etc.

To the best of our knowledge, we can say that he has good working knowledge on **CLINICAL PATHOLOGY, HEMATOLOGY, BIOCHEMISTRY**.

Her behavioral conduct was satisfactory. She was dedicated and sincere in his work.

We wish her the best for his future.





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Pachapalayam, Kalampalayam Post, Coimbatore - 641 010
Phone: 0422 - 2208004 & 2208014 ::: Email: aavinbe@gmail.com

Dr. Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 / 2023

Dt :21.06.2023

CERTIFICATE

This is to certify that Ms.J.Abinaya, I- Year - M.Sc (Biochemistry),
student of Kongunadu Arts and Science College(Autonomous),
Coimbatore has done the Internship Training from 02.06.2023 to
16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Ms.J.Abinaya,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



CERTIFICATE

AWARDED TO

Anitha K.

Reg. No: 222BC003, Department of Biochemistry,
Kongunadu Arts and Science College (Autonomous)
Coimbatore- 641 029, Tamil Nadu, India.

ELIES BIOTECH PRIVATE LIMITED Agricultural and Environmental Biotechnology Products
certify that the Entrepreneurial skills and technical requirements covering the scope of Applied
Microbiology hands-on training has been evaluated after the successful completion of the training
from 27.05.2023 to 12.06.2023 and found Excellent to be in accordance with the curriculum

SCOPE OF TRAINING

Mushroom Tissue Culture
Commercial Mushroom Spawn Production
Calocybe indica (Milky mushroom) Cultivation - Integrated Farming model system
GLP, GMP and HACCP Principles and Implementation

Number of Training Days: 15

Approval Date: 22, May 2023

To check this certificate details please call: +91 994 2921 613
Further clarifications regarding the scope of this certificate and applicability of the study program
requirements may be obtained by consulting the Organisation.

Certificate Number: Fo4/KNASC/2023-06

Date: 12.06.2023

DR. ARAVINDH S
Course Coordinator
Executive Director & CSO



DR. K. INDUMATHY ARAVINDH
Managing Director



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Dr.Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 /2023

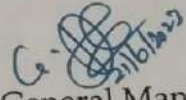
Dt :21.06.2023

CERTIFICATE

This is to certify that Ms.M.kavya, I- Year – M.Sc (Biochemistry),
student of Kongunadu Arts and Science College(Autonomous),
Coimbatore has done the Internship Training from 02.06.2023 to
16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Ms.M.kavya,
I- Year – M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



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Dr.Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 /2023

Dt :21.06.2023

CERTIFICATE

This is to certify that Ms.R.Sneha, I- Year - M.Sc (Biochemistry),
student of Kongunadu Arts and Science College(Autonomous),
Coimbatore has done the Internship Training from 02.06.2023 to
16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Ms.R.Sneha,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



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Dr. Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 / 2023

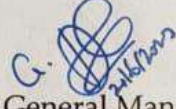
Dt : 21.06.2023

CERTIFICATE

This is to certify that Mr. R. Hirithick Roshan, I- Year - M.Sc (Biochemistry), student of Kongunadu Arts and Science College (Autonomous), Coimbatore has done the Internship Training from 02.06.2023 to 16.06.2023 in this Union

For C.D.C.M.P. Union Ltd.,




For General Manager

To

Mr. R. Hirithick Roshan,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College (Autonomous),
Coimbatore - 641 029.

INTERNSHIP CERTIFICATE

We hereby confirm our offer to the student
Miss.A.P.J.CATHARIN LINCY M.Sc.,Biochemistry has
successfully completed Lab Training , in the field of
Biochemistry, Hematology, Clinical pathology &
Microbiology. The training commenced on 25.5.2023 and
was completed on 8.6.2023 (9.AM TO 1.00 PM regularly)
During this training period her conduct and attendance
were very good (100%)



Date: 10.6.2023

Best Wishes

V. Backiaraj
10/6/23

Shri.V.BACKIARAJ
HR MANAGER



95004 76261

MAHI DIAGNOSTICS LABORATORY

(Computerised Auto Analyser attached)
Thoppur



TRAINING CERTIFICATE

This is to certify that Miss.**PORKALAI SELVI.M (222BC009)** studying **M.SC Biochemistry IInd year** in Kongunadu Arts and science College, GN Mills, Coimbatore. Have undergone internship training in our Laboratory for a period of **15 days** from **22 MAY 2023 to 05th JUNE 2023** we found her honest, dedicated, hard working and well behaved during her working period with us.

Porkalai Selvi.M
MAHI
DIAGNOSTICS LABORATORY
Thoppur

வேலை நேரம்:

காலை 8.00 முதல் இரவு 9.00 வரை

ஞாயிறு காலை 8.00 முதல் மதியம் 2.00 வரை

Home Collection available

இங்கு முழு உடல் பரிசோதனை செய்யப்படும்



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GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 / 2023

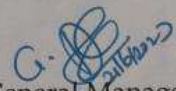
Dt : 21.06.2023

CERTIFICATE

This is to certify that Mr.R.Sabari Raj, I- Year -
M.Sc (Biochemistry), student of Kongunadu Arts and Science
College(Autonomous), Coimbatore has done the Internship Training
from 02.06.2023 to 16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Mr. R.Sabari Raj,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.

PALATHINGAL

healthcare & diagnostic centre



Post Office Road, Near Palathingal Medicals,
AREACODE, Malappuram Dt - 673 639, Kerala,
India. PH : 0483 2850300.
Email : palathingalhealthcare@gmail.com

Date : 17th June 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. HARSHA.P**, has successfully completed Fifteen Days Clinical Posting in Department of Laboratory at Palathingal Healthcare & Diagnostic Centre, from 03-06-2023 to 17-06-2023.

On our evaluation we found that she is taken keen interest to study the area of her training. Her overall performance was found good.

We wish her all success in all future endeavors.

**PALATHINGAL HEALTH CARE &
DIAGNOSTICS CENTRE**
AREACODE - 673639





RAINBOW
CLINICAL LABORATORY

Date : 01.06.2023

Internship Training Certificate

This is certify that Mr.K.RITHIK. of 1st Year M.Sc Biochemistry, KONGUNADU ARTS AND SCIENCE COLLEGE,GN MILLS ,COIMBATORE- 641029. He has successfully completed his internship training in our clinical laboratory during the period from 19.05.2023 to 31.05.2023

This internship containing the varies department and disciplines like

PATIENT CARE & PHLEBOTOMY:

- 1.Patient handling
- 2.Blood pressure
- 3.Sample collection

BIOCHEMISTRY:

- 1.Sugar test, Urea, Creatinine and Bilirubin etc

HEMATOLOGY:

1. CBC
- 2.Estimation of ESR
- 3.Blood grouping & Rh Typing

Thanking You

Date: 01.06.23
Place: Karur

Signature
Laboratory Manager



Commitment to the Community

No.3/245-5, Gandhi Nagar 3rd Street,
Thangam Nagar, Arugampalayam Road, KARUR - 639 00
Cell: 97510 97848, 89408 77303



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& SCAN CENTRE

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AN ISO 9001:2008 LABORATORY



HI-TECH LABORATORY | COLOUR DOPPLER SCAN | ULTRA SOUND SCAN | 12 CHANNEL ECG | DIGITAL X-RAY

Ref. No: GMEARD/018/06/23

Date : 16/06/2023

EXPERIENCE CERTIFICATE

This is to certify that **Ms.DHILNA SHERIN.K.C** successfully completed 15 days (2nd June – 16th June 2023) clinical posting at **GULF LAB & SCAN CENTRE AREEKODE.**

Throughout the posting period in this institution, we found that she is taken keen interest to study the area of her job description.

We wish her all the best in her future personal & professional life.

GULF LAB & SCAN CENTRE – AREEKODE.

Asif Ali.k
Managing Director,
Mob: 9446505075



There are technical limitations for all U.S. examinations. Kindly do clinical correlation. Do not hesitate to have repeat scan or further investigations if necessary. Note: If any different of opinion in Lab Report, Doctors are requested to send back the patient for a free re-check along with all clinical details.

QUALITY CONTROLLING FROM BIO-RAD USA, CMC VELLOOR, WQA UK & AIIMS DELHI



AREEKODE ☎ 0483-2853992 📞 7592853992

EDAVANNAPPARA ☎ 0483-2726080 📞 9496986986



RAINBOW
CLINICAL LABORATORY

Date : 01.06.2023

Internship Training Certificate

This is certify that Mr.MP.SHAFEEQ MUNAVIR of 1st Year M.Sc Biochemistry, KONGUNADU ARTS AND SCIENCE COLLEGE,GN MILLS ,COIMBATORE- 641029. He has successfully completed his internship training in our clinical laboratory during the period from 19.05.2023 to 31.05.2023

This internship containing the varies department and disciplines like

PATIENT CARE & PHLEBOTOMY:

- 1.Patient handling
- 2.Blood pressure
- 3.Sample collection

BIOCHEMISTRY:

- 1.Sugar test, Urea, Creatinine and Bilirubin etc

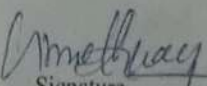
HEMATOLOGY:

1. CBC
- 2.Estimation of ESR
- 3.Blood grouping & Rh Typing

Date: 01.06.23

Place: Karur

Thanking You


Signature
Laboratory Manager



Commitment to the Community

No.3/245-5, Gandhi Nagar 3rd Street,
Thangam Nagar, Arugampalayam Road, KARUR - 639 001
Cell: 97510 97848, 89408 77303



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Dr. Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 /2023

Dt :21.06.2023

CERTIFICATE

This is to certify that Mr.B.Vignesh, I- Year – M.Sc (Biochemistry), student of Kongunadu Arts and Science College(Autonomous), Coimbatore has done the Internship Training from 02.06.2023 to 16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Mr.B.Vignesh,
I- Year – M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



Life-Line
DIAGNOSTICS CENTRE

Fully Computerised Lab & ECG
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LIFE-LINE DIAGNOSTICS CENTRE

CERTIFICATE

THIS IS TO CERTIFY MISS.JANANIS AGE 21/FEMALE 1-year
M.SC.,(BIOCHEMISTRY)KONGUNADU ARTS AND SCIENCE
COLLEGE,COIMBATORE HAS SUCCESSFULLY COMPLETED 16DAYS (from
03.06.2023 to 19.06.2023) INTERNSHIP PROGRAMME IN THIS
LABORATORY.DURING THIS PERIOD INTERNSHIP PROGRAMME IN THE
SUBJECTS OF HAEMATOLOGY, BIO-CHEMISTRY AND SHE IS PUNCTUAL HAND
WORKING AND INQUISITIVE.

WE WISH EVERY SUCCESS IN HER FUTURE ENDEAVOURS.

LIFE-LINE
DIAGNOSTICS CENTRE
14/28, SRI HARI COMPLEX,
UNION OFFICE ROAD,
KAVUNDAMPALAYAM,
COIMBATORE- 641 030.
PH: 0422-4349429, 9698221559

லைப் லைன் கிரத்தப் பரிசோதனை நிலையம் - அதி நவீன ஆய்வுக்கூடம்

14/28, Sri Hari Complex, Union Office Road,
Kavundampalayam, Coimbatore - 641 030.

Ph : 0422-4349429, 96982 21559
lifelinecbegold@gmail.com

TIME : 7.00 AM TO 9.00 PM
SUNDAY : 7.00 AM TO 1.00 PM

House Visit Undertaken



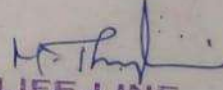
Fully Computerised Lab & ECG
(Govt. Reg.No. DMLT-1345/2010-12)

LIFE-LINE DIAGNOSTICS CENTRE

CERTIFICATE

THIS IS TO CERTIFY MISS.DEVADARSHINI.P AGE 21/FEMALE 1-year
M.SC.,(BIOCHEMISTRY)KONGUNADU ARTS AND SCIENCE
COLLEGE,COIMBATORE HAS SUCCESSFULLY COMPLETED 16DAYS (from
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WORKING AND INQUISITIVE.

WE WISH EVERY SUCCESS IN HER FUTURE ENDEAVOURS..


LIFE-LINE
DIAGNOSTICS CENTRE
14/28, SRI HARI COMPLEX,
UNION OFFICE ROAD,
KAVUNDAMPALAYAM,
COIMBATORE - 641 030.
PH: 0422-4349429, 9698221559

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Ph : 0422-4349429, 96982 21559
lifelinecbegold@gmail.com

TIME : 7.00 AM TO 9.00 PM
SUNDAY : 7.00 AM TO 1.00 PM

House Visit Undertaken



95004 76261

MAHI DIAGNOSTICS LABORATORY

(Computerised Auto Analyser attached)
Thoppur



TRAINING CERTIFICATE

This is to certify that Miss. **T.SUJITHA (222BC025)** studying **M.SC Biochemistry IInd year** in Kongunadu Arts and science College, GN Mills, Coimbatore. Have undergone internship training in our Laboratory for a period of **15 days** from **22 MAY 2023** to **05th JUNE 2023** we found her honest, dedicated, hard working and well behaved during her working period with us.

T. Senthil 06/06/23.
MAHI
DIAGNOSTICS LABORATORY
Thoppur

வேலை நேரம்:

காலை 8.00 முதல் இரவு 9.00 வரை

ஞாயிறு காலை 8.00 முதல் மதியம் 2.00 வரை

Home Collection available

இங்கு முழு உடல் பரிசோதனை செய்யப்படும்



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MAHI DIAGNOSTICS LABORATORY

(Computerised Auto Analyser attached)
Thoppur



TRAINING CERTIFICATE

This is to certify that Miss. **S.ANANTHI (222BC023)** studying **M.SC Biochemistry IInd year** in Kongunadu Arts and science College, GN Mills, Coimbatore. Have undergone internship training in our Laboratory for a period of **15 days** from **22 MAY 2023** to **05th JUNE 2023** we found her honest, dedicated, hard working and well behaved during her working period with us.

Signature
MAHI
DIAGNOSTICS LABORATORY
Thoppur

வேலை நேரம்:
காலை 8.00 முதல் இரவு 9.00 வரை
ஞாயிறு காலை 8.00 முதல் மதியம் 2.00 வரை

Home Collection available

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Dr.Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 /2023

Dt :21.06.2023

CERTIFICATE

This is to certify that Mr.Y.Gokul, I- Year – M.Sc (Biochemistry), student of Kongunadu Arts and Science College(Autonomous), Coimbatore has done the Internship Training from 02.06.2023 to 16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Mr. Y.Gokul,
I- Year – M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



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Dr. Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 /2023

Dt :21.06.2023

CERTIFICATE

This is to certify that Mr.N.Jeeva, I- Year - M.Sc (Biochemistry), student of Kongunadu Arts and Science College(Autonomous), Coimbatore has done the Internship Training from 02.06.2023 to 16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Mr. N.Jeeva,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



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GENERAL MANAGER i/c

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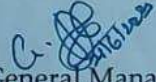
Dt :21.06.2023

CERTIFICATE

This is to certify that Ms.M.Anjali, I- Year - M.Sc (Biochemistry), student of Kongunadu Arts and Science College(Autonomous), Coimbatore has done the Internship Training from 02.06.2023 to 16.06.2023 in this Union

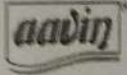
For C.D.C.M.P.Union Ltd.,




For General Manager

To

Ms.M.Anjali,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



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Pachapalayam, Kalampalayam Post, Coimbatore - 641 010
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Dr.Ishwar S Janmatti, B.V.Sc.,
GENERAL MANAGER i/c

Ref.No. 3778 / Estt.5 / 2023

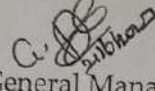
Dt :21.06.2023

CERTIFICATE

This is to certify that Mr.J.P.Simon, I- Year - M.Sc (Biochemistry),
student of Kongunadu Arts and Science College(Autonomous),
Coimbatore has done the Internship Training from 02.06.2023 to
16.06.2023 in this Union

For C.D.C.M.P.Union Ltd.,




For General Manager

To

Mr.J.P.Simon,
I- Year - M.Sc (Biochemistry),
Kongunadu Arts and Science College(Autonomous),
Coimbatore- 641 029.



RAINBOW
CLINICAL LABORATORY

Date : 01.06.2023

Internship Training Certificate

This is certify that Mr.P.RAKESH of 1st Year M.Sc Biochemistry, KONGUNADU ARTS AND SCIENCE COLLEGE,GN MILLS ,COIMBATORE- 641029. He has successfully completed his internship training in our clinical laboratory during the period from 19.05.2023 to 31.05.2023

This internship containing the varies department and disciplines like

PATIENT CARE & PHLEBOTOMY:

- 1.Patient handling
- 2.Blood pressure
- 3.Sample collection

BIOCHEMISTRY:

- 1.Sugar test, Urea, Creatinine and Bilirubin etc

HEMATOLOGY:

1. CBC
- 2.Estimation of ESR
- 3.Blood grouping & Rh Typing

Thanking You

Date: 01.06.23
Place: Karur


Signature
Laboratory Manager



Commitment to the Community

No.3/245-5, Gandhi Nagar 3rd Street,
Thangam Nagar, Arugampalayam Road, KARUR -
Cell: 97510 97848, 89408 77303

**IN-VITRO ANTIOXIDANT, FREE RADICAL SCAVENGING ACTIVITY,
ANTIMICROBIAL ACTIVITY OF A PROPOLIS AND BINDING INTERACTION
OF MELITTIN AGAINST CDK 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

KOVARSIGA . S

(Reg.No. 222BC001).

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- 641 029, TAMILNADU, INDIA
MARCH-2024**

**FABRICATION AND CHARACTERIZATION OF QUANTUM
DOTS TO ATTENUATE BREAST CANCER MCF7 CELLS
- *in vitro* APPORACH**

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

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

J. ABINAYA

(Reg. No. 222BC002)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**ENHANCED POTENTIAL OF MICROENCAPSULATED
POLYHERBAL EXTRACT IN CELLULOSIC NONWOVEN
FABRIC FOR TARGETING SKIN DISEASE.**

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

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

Submitted by

ANITHA.K

(Reg. No. 222BC003)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**A PILOT STUDY IN PURIFICATION OF DRINKING WATER IN
COIMBATORE RURAL AREA BY STRYCHNOS POTATORUM SEED
WATER.**

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

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

CHANDRUPANDI.K

(Reg. No. 222BC006)

Under the Guidance of

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

ASSISTANT PROFESSOR



KONGUNADU ARTS AND SCIENCE COLLEG (AUTONOMOUS)

College of Excellence (UGC)

Re-Accredited By NAAC with 'A+' Grade (4th Cycle)

29th Rank among Colleges in NIRF 2023

G.N Mills Post, Coimbatore- 641029,

Tamilnadu, India.

MARCH – 2024.

CERTIFICATE

**EVALUATION OF *IN- VITRO* ANTIOXIDANT, ANTIMICROBIAL AND
CYTOTOXIC ACTIVITY OF *CALOTROPIS PROCERA* ROOT AGAINST
LARYNGEAL CANCER (*HEP2*) CELL LINE.**

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

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

HIRITHICK ROSHAN.R

(Reg. No. 222BC008)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**A NOVEL EUTECTIC SOLVENT-HYDROGEL FOR USING *DRYNARIA QUERIFOLIA*
TOPICAL MANAGEMENT OF RHEUMATOID ARTHRITIS**

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Ms. PORKALAISELVI M

(Reg. No. 222BC009)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH- 2024.

IN-VITRO EVALUATION OF ANTIOXIDANT, ANTI-DIABETIC ACTIVITY OF *JUSTICA ADHATODA* L LEAF EXTRACT

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

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

CATHARIN LINCY .APJ

(Reg. No. 222BC012)

Under the Guidance of

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

ASSISTANT PROFESSOR



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

College of Excellence (UGC)

Re-Accredited By NAAC with 'A⁺' Grade (4th Cycle)

29th Rank among Colleges in NIRF 2023

G.N Mills Post, Coimbatore- 641029,

Tamilnadu, India.

MARCH – 2024.

**IN VITRO EVALUATION OF PHYTOCHEMICAL ANALYSIS AND ANTICANCER
ACTIVITY OF *ENICOSTEMMA LITTORALE* BLUME AGAINST CELL LINE HepG2**

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

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

Submitted by

KARTHIKA.K

(Reg. No. 222BC013)

Under the Guidance of

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

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

“DAHLIA INFUSED ORGANIC LIP BALM”

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

RAMLATH K.M

(Reg. No. 222BC014)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH ‘A+’ GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**IN-VITRO ANTICANCER ACTIVITY OF GREEN SYNTHESISED
SILVER NANOPARTICLES FROM *Annona muricata* L. LEAVES
AGAINST LUNG CANCER CELL LINE (A549)**

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

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

ARTHI R

(Reg. No. 222BC015)

Under the Guidance of

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

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH - 2024.

**BIOCHEMICAL STUDIES OF ANTI-OXIDANT AND ANTI-
INFLAMMATORY ACTIVITIES OF GOLD NANOPARTICLES
SYNTHESIZED USING *Vitis vinifera* SEED-AN *In vitro* APPROACH.**

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

HARSHA.P

(Reg. No. 222BC016)

Under the Guidance of

Dr. R T NARENDHIRAKANNAN M.sc.,M.Phil.,ph.D.,PDF(Czec Rep.)

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (Aided)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

In-silico and in-vitro approaches of therapeutic components in Syzygium Cumini seeds against breast cancer (MCF 7) cells

PROJECT REPORT SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Mr. RITHIK. K

(Reg. No. 222BC017)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH - 2024

**PREPARATION AND CHARACTERIZATION OF NOVEL CREAM WITH
ETHANOL EXTRACT FROM *ILICUM VERUM* WOUND HEALING IN
DIABETIC FOOT ULCER**

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

R.SABARI RAJ

(Reg. No. 222BC020)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

Luteolin: An operative molecule against triple negative breast cancer

– *in vitro* and *in silico* model

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

VIGNESH.B

(Reg. No. 222BC021)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**INVITRO EVALUATION OF ANTIOXIDANT AND ANTIDIABETIC
ACTIVITY OF *ERYTHRINA VARIEGATA* L LEAF EXTRACT.**

PROJECT REPORT SUBMITTED TO

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILITATED TO BHARATHIAR UNIVERSITY In partial
fulfillment of requirements for the Award of the degree**

**MASTER OF SCIENCE IN BIOCHEMISTRY
Submitted by**

JANANI. S

(Reg. No. 222BC022)

Under the Guidance of

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



DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
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29th Rank among Colleges in NIRF 2023
G.N Mills Post, Coimbatore- 641029,
Tamilnadu, India.**

MARCH – 2024.

abrication of greener reduction of gold nanoparticles mediated by clove (*Syzygium aromaticum*): An *in vitro* approaches against cervical cancer

**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

Ms. ANANTHI S

(Reg. No. 222BC023)

Under the Guidance of

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

ASSISTANT PROFESSOR



**DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC)
G.N MILLS POST, COIMBATORE- 641 029, TAMILNADU, INDIA**

MARCH-2024

FORMULATION AND EVALUATION OF POLY HERBAL HAND WASH

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

GOKUL.Y

(Reg. No. 222BC024)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

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29th Rank among Colleges in NIRF 2023

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

MARCH - 2024

**PHARMACOKINETIC AND MOLECULAR DOCKING STUDY OF ISOLATED
PHYTO-COMPOUNDS FROM INDIAN MEDICINAL PLANT (*CALOTROPIS
PROCERA*) – AN INHIBITORY APPROACH AGAINST PHOSPHOLIPASE A2
(SNAKE VENOM)**

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

Ms. SUJITHA T

(Reg. No. 222BC025)

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)

Re-accredited by NAAC with 'At Grade (4th Cycle),

COLLEGE OF EXCELLENCE (UGC)

29*Rank among college in NIRF 2023

G.N MILLS POST, COIMBATORE- 641 029, TAMILNADU, INDIA

MARCH-2024

**APOPTOSIS INDUCTION OF *CENTELLA ASIATICA* (L) ON
COLORECTAL CANCER HT-29 CELL LINE.**

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

DEVADARSHINI. P

(Reg. No. 222BC026)

Under the Guidance of

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

HEAD OF THE DEPARTMENT

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**GREEN SYNTHESIS OF SILVER NANOPARTICLES USING FLOWER EXTRACT
Clitoria ternatea L. In vitro EVALUATION OF ITS PHARMACEUTICAL ACTIVITIES
AND ANTICANCER ACTIVITY ON OVARIAN CANCER PA-1 CELL LINE**

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

ANJALI.M

(222BC027)

Under the Guidance of

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

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4TH CYCLE)

#29 ranking among colleges in NIRF 2023

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

MARCH-2024

**IN-VITRO ANTIOXIDENT, ANTIMICROBIAL & CYTOTOXIC ACTIVITY
OF A POLYHERBAL CRUDE EXTRACT AGAINST
CERVICAL CANCER (*HELA*) CELL LINE**

PROJECT REPORT SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

AFFILITATED TO BHARATHIAR UNIVERSITY

In partial fulfillment of requirements for the Award of the degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

JEEVA N

(Reg. No. 222BC028)

Under the Guidance of

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

ASSISTANT PROFESSOR

DEPARTMENT OF BIOCHEMISTRY (PG AND RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4th CYCLE)

29th Rank among Colleges in NIRF 2023

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

MARCH – 2024.

**Green synthesis on silver nanoparticles using lettuce (*Lactuca Sativa.L*) spectral
characterization *in vitro* evaluation of its pharmaceutical activities and anticancer
activity on prostate cancer PC-3 cell line**

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

SIMSON.J.P

(222BC029)

Under the Guidance of

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

ASSISTANT PROFESSOR AND HEAD

DEPARTMENT OF BIOCHEMISTRY (PG & RESEARCH)



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COLLEGE OF EXCELLENCE (UGC)

RE-ACCREDITED BY NAAC WITH 'A+' GRADE (4TH CYCLE)

29th RANK AMONG COLLEGES IN NIRF 2023

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

MARCH-2024

***IN-VITRO* ANTIOXIDANT, ANTIMICROBIAL AND ITS CYTOTOXIC
ACTIVITY OF A *PROPOLIS* USING BREAST CANCER (MCF-7) CELL LINE**

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

Mr. RAKESH P

(Reg. No. 222BC030)

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)

Re-accredited by NAAC with 'At Grade (4th Cycle),

COLLEGE OF EXCELLENCE (UGC)

29*Rank among college in NIRF 2023

G.N MILLS POST, COIMBATORE- 641 029, TAMILNADU, INDIA

MARCH-2024

CERTIFICATE

This is certified that the dissertation entitled "**IN-VITRO ANTI-CANCER ACTIVITY OF ENOIC ACID DERIVATIVE ON BREAST CANCER CELLS**" submitted by **SHAFEEQ MUNAVIR M.P (222BC019)** to the Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Affiliated to Bharathiyar University, in partial fulfillment of the requirement for the **Degree of Master of Science in Biochemistry** is a record of bonafide and original research work carried out by her during the period of 2023-2024 of her study, under the supervision and guidance of **Dr.M.SANTHOSHKUMAR., M.Sc., Ph.D., Assistant Professor, Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Coimbatore-641 029.** The results embodied in this dissertation are new and has not been submitted for the award of any Degree/Diploma/Associate/Fellowship or any other similar title to any candidate.

Place: **COIMBATORE**

Date: **27.03.2024**

M. Santhosh Kumar

Signature of the Guide

Dr. M. SANTHOSHKUMAR M.Sc., Ph.D.,
Assistant Professor
Department of Biochemistry
Kongunadu Arts and Science College
(Autonomous)
G.N.Mills Post, Coimbatore - 641029.

Received 27/3/24

Counter signed by



Head
Department of Biochemistry
(Research)
Head of the Department
Kongunadu Arts and Science College
(Autonomous)
Coimbatore - 641 029

27/3/24

Signature of the Principal

PRINCIPAL
Kongunadu Arts & Science College
COIMBATORE

Submitted for the Viva-Voce examination held on **22/04/24** at Kongunadu Arts and Science College (Autonomous), Coimbatore-641029.

Examiners

1.

Dr. I. L. J. 22/4/24
(Dr. I. L. J. (ARTS & SCIENCE))

2.

M. Santhosh Kumar 22/4/24
(Dr. M. SANTHOSHKUMAR)

CERTIFICATE

This is certified that the dissertation entitled "Graphene oxide nickel nanowire composite for the targeted and sustained delivery of *Semecarpus anacardium*- the herbal drug for breast cancer (MCF-7)" submitted by **SNEHA. R (222BC005)** to the Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Affiliated to Bharathiyar University, in partial fulfillment of the requirement for the **Degree of Master of Science in Biochemistry** is a record of bonafide and original research work carried out by his during the period of 2023-2024 of his study, under the supervision and guidance of **Dr. M. SANTHOSHKUMAR, M.Sc., Ph.D., (SET), B.Ed., PGDCRP., PGDBI., Assistant professor**, Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Coimbatore-641 029. The results embodied in this dissertation is new and has not been submitted for the award of any Degree/Diploma/Associate/Fellowship or any other similar title to any candidate.

Place: Coimbatore

Date: 27/3/24

[Signature] 27/3/24
Head

Department of Biochemistry
(PG & Research)
Kongunadu Arts and Science College
Head of the Department
Coimbatore - 641 029

Counter signed by



[Signature]
Signature of the Guide

Dr. M. SANTHOSHKUMAR, M.Sc., Ph.D.,
Department of Biochemistry,
Kongunadu Arts and Science College
G.N.Mills Post, Coimbatore - 641029.

[Signature]
Signature of the Principal

PRINCIPAL,

Submitted for the Viva-Voce examination held on 28/4/2024 at Kongunadu Arts and Science College (Autonomous), Coimbatore-641029.

Examiners

1. [Signature] 22/4/24
(Dr. G. LAKSHMIKUMAR)

2. [Signature]
22/4/24
(Dr. M. SANTHOSHKUMAR)

CERTIFICATE

This is certified that the dissertation entitled "**Smart nanocarrier: Graphene oxide decorated with nickel nanowire for optimized delivery of herbal medicinal agent 'Plumbago Indica' for breast cancer (MCF-7)**" submitted by **KAVYA. M (222BC004)** to the Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Affiliated to Bharathiyar University, in partial fulfillment of the requirement for the **Degree of Master of Science in Biochemistry** is a record of bonafide and original research work carried out by his during the period of 2023-2024 of his study, under the supervision and guidance of **Dr. M. SANTHOSHKUMAR., M.Sc., Ph.D., (SET)., B.Ed., PGDCRP., PGDBI., Assistant Professor, Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Coimbatore-641 029.** The results embodied in this dissertation is new and has not been submitted for the award of any Degree/Diploma/Associate/Fellowship or any other similar title to any candidate.

Place: Coimbatore

Date: 27/03/2024

Receives 27/3/24
Head
Department of Biochemistry
(PG & Research)
Kongunadu Arts and Science College
(Autonomous)
Head of the Department
Coimbatore - 641 029



M. Santhosh Kumar
Signature of the Guide

Dr. M. SANTHOSHKUMAR M.Sc., Ph.D.,
Assistant Professor
Department of Biochemistry
Kongunadu Arts and Science College
(Autonomous)
G.N.Mills Post, Coimbatore - 641029.

27/3/24
Signature of the Principal
PRINCIPAL
Kongunadu Arts & Science College

Submitted for the Viva-Voce examination held on 22/4/24 at Kongunadu Arts and Science College (Autonomous), Coimbatore-641029.

Examiners

1. Dr. G. L. WARTHICKUR
22/4/24
(Dr. G. L. WARTHICKUR)

2. M. Santhosh Kumar
22/4/24
(Dr. M. SANTHOSHKUMAR)

CERTIFICATE

This is certified that the dissertation entitled "IN VITRO ANTICANCER ACTIVITY OF PICOLINATE DERIVATIVE COMPOUND ON BREAST CANCER CELLS" submitted by DHILNA SHERIN KC (222BC010) to the Department of Biochemistry, Kongunadu Arts and Science College (Autonomous), Affiliated to Bharathiyar University, in partial fulfillment of the requirement for the Degree of Master of Science in Biochemistry is a record of bonafide and original research work carried out by his during the period of 2023-2024 of her study, under the supervision and guidance of Dr. M.SANTHOSHKUMAR., M.Sc., Ph.D., Assistant Professor, Department of Biochemistry (Aided) Kongunadu Arts and Science College (Autonomous), Coimbatore-641 029. The result embodied in this dissertation are new and has not been submitted for the award of any Degree/Diploma/Associate/Fellowship or any other similar title to any candidate.

Place: coimbatore

Date: 27-03-2024

Counter signed by

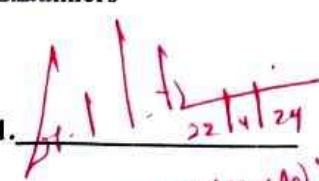

27/3/24

Department of Biochemistry
Head of the Department
Kongunadu Arts and Science College
(Autonomous)
Coimbatore - 641 029

Submitted for the Viva-Voce examination held on 22/04/24 at Kongunadu Arts and Science College (Autonomous), Coimbatore-641029.

Examiners

1.

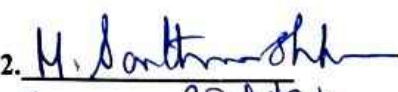

22/4/24
(Dr. G. I. KARTHIKEYAN)


Signature of the Guide

Dr. M. SANTHOSHKUMAR M.Sc., Ph.D.
Assistant Professor
Department of Biochemistry
Kongunadu Arts and Science College
(Autonomous)
G.N.Mills Post, Coimbatore - 641029.


Signature of the Principal

PRINCIPAL
Kongunadu Arts & Science College
COIMBATORE

2. 
22/4/24
(Dr. M. SANTHOSHKUMAR)