

**INTERNSHIP REPORT ON
MEDICAL GENETICS AND EPIGENETICS LABORATORY**

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

S. SARADA

M. VIDHYA

Reg. No: 231ZO001

Reg. No: 231ZO002

Under the guidance of

Dr. P. BHARATHI, M. Sc., Ph. D., PDF (FCT PORTUGAL)

Assistant Professor of Zoology



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re – Accredited by the NAAC with A⁺ Grade (4th Cycle)

College of Excellence (UGC)

52nd Rank among Colleges in NIRF 2024

Coimbatore - 641 029.

JULY - 2025



DEPARTMENT OF HUMAN GENETICS AND MOLECULAR BIOLOGY
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA.

Dr. A. Vijaya Anand Ph.D.,
Professor and Head

Email : avamiet@yahoo.com | avahgmb@buc.edu.in

Mobile : +91 98425 25830 | Landline : +91 422 2428511

CERTIFICATE

This is to certify that **Ms. SARADA S (Reg. No. 231ZO001)** pursuing her Bachelor of Science in Department of Zoology, Kongunadu Arts and Science College, G.N mills, Coimbatore, has done her Internship training work in the Medical Genetics and Epigenetics Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore- 46 under my guidance and supervision for 25 days (12.05.2025 – 09.06.2025).

Her attendance during the period of project is 100%.

Signature


Dr. A. VIJAYA ANAND, Ph.D.
Professor and Head
Dept. of Human Genetics and Molecular Biology
Bharathiar University
Coimbatore - 641 046, TN, India

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S. SARADA
M. VIDHYA
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Reg. No: 231ZO002

Under the guidance of
Dr. P. BHARATHI, M. Sc., Ph. D., PDF (FCT PORTUGAL)
Assistant Professor of Zoology



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DEPARTMENT OF HUMAN GENETICS AND MOLECULAR BIOLOGY
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA.

Dr. A. Vijaya Anand Ph.D.,
Professor and Head

Email : avamiet@yahoo.com | avahgmb@buc.edu.in

Mobile : +91 98425 25830 | Landline : +91 422 2428511

CERTIFICATE

This is to certify that Ms. VIDHYA M (Reg. No. 231ZO002) pursuing her Bachelor of Science in Department of Zoology, Kongunadu Arts and Science College, G.N mills, Coimbatore, has done her Internship training work in the Medical Genetics and Epigenetics Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore- 46 under my guidance and supervision for 30 days (12.05.2025 – 09.06.2025).

Her attendance during the period of project is 100%.

Signature


Dr. A. VIJAYA ANAND, Ph.D.
Professor and Head
Department of Human Genetics and Molecular Biology
Bharathiar University
Coimbatore - 641 046, TN, India

**INTERNSHIP REPORT ON
TOXICOLOGICAL EFFECT OF BIOSYNTHESIZED Ag₂O NANOPARTICLES ON
HATCHING AND NAUPLII OF *ARTEMIA SALINA***

Submitted to
**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
**S NANDHINI
V.KAMAL SATHYA**

Reg.No:231ZO003

Reg. No :231ZO022

Under the guidance of
Dr. C. SHOBANA M.Sc., M.Ed., M.Phil., Ph.D.

Assistant Professor in Zoology.



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

Re-accredited by NAAC with 'A+' Grade (4th Cycle) College of
Excellence - UGC

52nd Rank among Colleges in NIRF 2024

Coimbatore – 641 029.

JULY - 2025



பாரதியார் பல்கலைக்கழகம்
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA

சுதந்திரம் & சமூகநீதி, அறிவு & பண்பாடு
TAMIL NADU



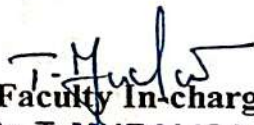
State University

Accredited with "A" Grade by NAAC

Ranked 21st among Indian Universities by MOE-NIRF

CERTIFICATE

This is certified that Ms. NANDHINI. S (231ZO003), III B.Sc., Student, Department of Zoology, Kongunadu Arts and Science College (Autonomous), G.N. Mills Post, Coimbatore - 641 029 has undergone Internship training program - 2025 entitled "Toxicological Effects of Biosynthesized Ag₂O Nanoparticles on Hatching and Nauplii of *Artemia salina*" for a period of 15 days from 06.05.2025 to 24.05.2025 in the Aquatic Ecology Laboratory, Department of Zoology, Bharathiar University, Coimbatore- 641 046.


Faculty In-charge
Dr. T. MURALISANKAR
Assistant Professor
Department of Zoology
Bharathiar University
Coimbatore - 641 046
Tamilnadu - India.

Date: 14/07/25



INTERSHIP TRAINING PROGRAMME REPORT
ON
FIELD IDENTIFICATION AND UNDERSTANDING THE IMPORTANCE OF
COMMON BIRDS IN THE AGALI
AT
WESTERN GHATS WILDLIFE CONSERVATION TRUST

SUBMITTED

BY

SANJAIKUMAR. B

(231ZO005)

UNDER THE SUPERVISION
OF

Dr. R. VENKITACHALAM, M.Sc., M.Phil. DCA., Ph.D.

Assistant Professor in Zoology



Department of Zoology
Kongunadu Arts and Science College (Autonomous),
Re-accredited by NAAC with A⁺ Grade (4th Cycle)
College of Excellence - UGC
52nd Rank among Colleges in NIRF 2024
Coimbatore-641029, Tamil Nadu, India.
Coimbatore 641029.

July, 2025



CERTIFICATE

OF APPRECIATION

This certificate is proudly presented to

SANJAIKUMAR . B

For the outstanding completion of the Internship
on 'Common Birds of Kerala – Agali' from 1st June
2025 to 15th June 2025, organized by the Western
Ghats Wildlife Conservation Trust.

Vedhapriya Ganesan

Vedhapriya Ganesan
Chief Environmental Education Coordinator
Western Ghats Wildlife Conservation Trust

**INTERNSHIP REPORT
ON
INTRODUCTION TO MARINE MICROBIOLOGY**

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore – 641029

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
BHARATH .M.M
Reg. No: 231ZO006



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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

52nd Rank among Colleges in NIRF 2024

College of Excellence – UGC

Affiliated to Bharathiar University

Coimbatore, Tamil Nadu, India – 641029

COMPLETED AT

**COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
LAKE SIDE CAMPUS**

JULY 2025

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF MARINE SCIENCES

DEPARTMENT OF MARINE BIOLOGY, MICROBIOLOGY AND BIOCHEMISTRY

Lakeside Campus, Fine Arts Avenue, Foreshore Road,
Kochi – 682016, Ernakulam, Kerala

Dr. S. Venu, Ph.D.
Associate Professor

Phone: (+91) 7063953206 (Mob.)

E-mail: s.venu1974@cusat.ac.in

26.05.2025

INTERNSHIP CERTIFICATE

Mr. Bharath M.M. (Kongunadu Arts and Science College, Coimbatore) has completed a 15-day internship from 12.05.2025 to 26.05.2025 in the department of Marine Biology, Microbiology, and Biochemistry at Cochin University of Science and Technology.

During the internship, Mr. Bharath M.M. demonstrated exceptional dedication, enthusiasm, and commitment to learning and contributing to the fields of Marine Biology, Microbiology, and Biochemistry. His active participation in research and laboratory experiments has been commendable. He acquired knowledge of standard laboratory procedures, including sample collection and laboratory analysis in the field of Marine microbiology. Furthermore, he has learned about Fish Dissection.

Mr. Bharath M.M. specifically learned standard microbiological techniques, which include the isolation, purification, and characterization of bacteria. I appreciate Mr. Bharath. M.M.'s sincerity in work and wish him all the best for future endeavours.

Dr. S. Venu
Associate Professor
Department of Marine Biology, Microbiology
and Biochemistry
Cochin University of Science and Technology
Lakeside Campus, Fine Arts Avenue
Foreshore Road, Kochi - 682016, Kerala

Website: www.cusat.ac.in

s.venu1974@gmail.com

(+91)9933256866 (Whatsaap)

INTERNSHIP REPORT ON
DESIGN OF QUANTUM DOTS AND MICROBIOLOGICAL
TECHNIQUES

Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (ATONOMOUS)

Affiliated to Bharathiar University, Coimbatore-641029

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

JESIKA M

Reg. No: 231ZO007

Under the guidance of

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

Assistant Professor in Zoology



PG AND RESEARCH DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

52nd Rank among Colleges in NIRF 2024

College of Excellence – UGC

Affiliated to Bharathiar University

Coimbatore, Tamil Nadu, India - 641029

JULY-2025



MICRO BIOTEK

Research and Training Centre

Regn. No. UDAYAM-TN-03-0080894

CERTIFICATE

OF COMPLETION

This is to certify that JESIKA . M
studying BSC . ZOOLOGY at KONGUNADU COLLEGE
OF ARTS AND SCIENCE , COIMBATORE
has successfully completed 15 days / Workshop / Internship / Project /
Training Program on DESIGN OF QUANTUM DOTS AND MICROBIOLOGICAL
TECHNIQUES at MICRO BIOTEK (Research and Training Centre) Coimbatore - 28.
from 13/05/2025 to 29/05/2025

29/05/2025
Date of Issue





Dr.M.MEKALA
Director
Micro Biotek
Coimbatore - 28.

INTERNSHIP REPORT ON
HATCHING AND SURVIVAL OF *Artemia salina* NAUPLII EXPOSED TO
SILVER NANOPARTICLES: A DOSE- DEPENDENT STUDY
Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore-641029.

In partial fulfillment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
A. HEMA SRUTHI

Reg. No 231ZO008

Under the guidance of
Dr .S. RAJESHKUMAR M.Sc., Ph.D., PDF.
Assistant Professor.



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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Coimbatore - 641 029.

JULY-2025



பாரதியார் பல்கலைக்கழகம்
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA

சுதந்திரம் தருகிறது அருண் பிழைகள்
TAMIL NADU



te University | Accredited with "A" Grade by NAAC | Ranked 21" among Indian Universities by MOE-NIRF

CERTIFICATE

This is certified that Ms. HEMA SHRUTHI. A (231ZO008), III B.Sc., Student, Department of Zoology, Kongunadu Arts and Science College (Autonomous), G.N. Mills Post, Coimbatore - 641 029 has undergone Internship training program - 2025 entitled "**Hatchability and Survival of *Artemia salina* Nauplii Exposed to Silver Nanoparticles: A Dose-Dependent Study**" for a period of 15 days from 06.05.2025 to 24.05.2025 in the Aquatic Ecology Laboratory, Department of Zoology, Bharathiar University, Coimbatore- 641 046.


Faculty In-charge

Dr. T. MURALISANKAR
Assistant Professor
Department of Zoology
Bharathiar University
Coimbatore - 641 046
Tamilnadu - India.

Date:



**INTERNSHIP REPORT ON
BASIC TECHNIQUES OF MICROBIOLOGY,
BIOCHEMISTRY, IMMUNOLOGY AND MICRO PATHOLOGY**

Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfillment of requirements for the award of the degree of

BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

K. RAJA RAJESWARI

Reg No 231ZO009

S. JEEVITHA

Reg No 231ZO013

Under the guidance of

Dr. P. KATHIRESHWARI

M.Sc., Ph.D., PGDCA., PGDBI.,

Assistant Professor in Zoology.



DEPARTMENT OF ZOOLOGY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

College of Excellence - UGC

29th Rank among Colleges in NIRF 2024
Coimbatore – 641 029.

JULY - 2025



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.RAJARAJESHWARI.K** Second year, B.Sc (Zoology), Kongunadu Arts and Science College (Autonomous), Coimbatore, has participated in our "INTERNSHIP LABORATORY TRAINING PROGRAMME IN MEDICAL LAB TECHNOLOGY" from 07.05.2025 to 23.05.2025 (15 days), conducted in our Lab premises.

She was refreshed in Medical Microbiology including Mycology, virology and Immunology. She is now oriented towards practical Applications with ELISA, various special Medias and staining Techniques, Specimen collection and Sample processing, and various other relevant Microbiological Investigations.

She was also refreshed in Clinical Pathology, Clinical Biochemistry, and serology.

She was well mannered and well behaved and well disciplined with excellent motivational for quality oriented work.

We wish her all success.



Dr.S.Rajkumar. M.Sc., Mphil., PhD., PGDMBT.

Lab Head & Microbiologist

Micro Tech Diagnostic Centre
V.G. Centre, Opp. to L'Oréal Complex
No. 166, 9th Street, Cross Cut Road
Gandhipuram, Coimbatore - 641 012.

**INTERSHIP TRAINING PROGRAMME REPORT
ON**

INTRODUCTION TO MARINE MICROBIOLOGY

**SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE**

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
SANDEEP KUMAR .T .L (231Zo010)**

**UNDER THE SUPERVISION OF
Dr. S. Raja M.Sc., Ph. D., PGDBL,
ASSISSTANT PROFESSOR IN ZOOLOGY**



**Department of Zoology
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

College of Excellence (UGC)
Re-Accredited by NAAC with 'A+' Grade (4th Cycle)
29th Rank among College in NIRF 2023
(Affiliated to Bharathiyar University)
G. N. Mills (PO), Coimbatore-641029
Tamil Nadu, India

JUNE-2025

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF MARINE SCIENCES
DEPARTMENT OF MARINE BIOLOGY, MICROBIOLOGY AND BIOCHEMISTRY

Lakeside Campus, Fine Arts Avenue, Foreshore Road,
Kochi – 682016, Ernakulam, Kerala

Dr. S. Venu, Ph.D.
Associate Professor

Phone: (+91) 7063953206 (Mob.)
E-mail: s.venu1974@cusat.ac.in

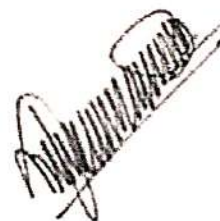
26.05.2025

INTERNSHIP CERTIFICATE

Mr. Sandeep Kumar T L (Kongunadu Arts and Science College, Coimbatore) has completed a 15-day internship from 12.05.2025 to 26.05.2025 in the department of Marine Biology, Microbiology, and Biochemistry at Cochin University of Science and Technology.

During the internship, Sandeep Kumar T L. demonstrated exceptional dedication, enthusiasm, and commitment to learning and contributing to the fields of Marine Biology, Microbiology, and Biochemistry. His active participation in research and laboratory experiments has been commendable. He acquired extensive knowledge of standard laboratory procedures, including sample collection, laboratory analysis, and interpretation in the field of Marine microbiology. Furthermore, he has learned about Fish Dissection.

Mr. Sandeep Kumar T L specifically learned standard microbiological techniques, which include the isolation, purification, and characterization of bacteria. I appreciate Mr. Sandeep Kumar T L's sincerity in work and wish him all the best for future endeavours.



Dr. S. Venu
Associate Professor
Department of Marine Biology, Microbiology
and Biochemistry
Cochin University of Science and Technology
Lakeside Campus, Fine Arts Avenue
Foreshore Road, Kochi - 682016, Kerala

**INTERSHIP TRAINING PROGRAMME REPORT ON
PRODUCTION OF DAIRY AND BOWAIN HEALTH CARE**

**SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE**

**In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY**

**SUBMITTED BY
PAVITHRA .G (231ZO011)**

**UNDER THE SUPERVISION OF
Dr.V. Meiyalagan., M.Sc., Ph.D., PGDCA
ASSISTANT PROFESSOR IN ZOOLOGY**



**Department of Zoology
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

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G. N. Mills (PO), Coimbatore-641029

Tamil Nadu, India

JULY-2025



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Pachapalayam, Kalampalayam Post, Coimbatore - 641 010

Phone: 0422 - 2208004 & 2208014 :: Email: aavinco@gmail.com

Dr.R.Shanmugam, B.V.Sc.,
General Manager-i/c

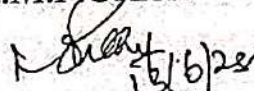
Ref.No.3778 / Estt.5 /2025

Dt : 13.06.2025

CERTIFICATE

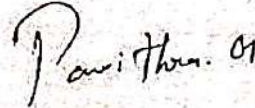
This is to certify that Ms. G.Pavithra, II-B.Sc., (Zoology) student of
The Kongunadu Arts & Science College, Coimbatore has done the
Internship Training from 08.05.2025 to 23.05.2025 (15 days) in this Union.

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


For General Manager

To

Ms. G.Pavithra,
II-B.Sc., (Zoology)
Kongunadu Arts & Science College,
Coimbatore-641 029.


Pavithra. 01

INTERNSHIP REPORT
ON
BASIC TECHNIQUES OF MICROBIOLOGY, BIOCHEMISTRY, IMMUNOLOGY
AND MICROPATHOLOGY

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore – 641029
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
PAVITHRA DEVI .M
Reg. No: 231ZO012



DEPARTMENT OF ZOOLOGY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with A+ Grade (4th cycle)
52nd Rank among Colleges in NIRF 2024
College of Excellence – UGC
Affiliated to Bharathiar University
Coimbatore, Tamil Nadu, India – 641029

COMPLETED AT
MICRO TECH DIAGNOSTIC CENTRE, GANDHIPURAM

JULY 2025



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.PAVITHRA DEVIM** Second year, B.Sc (Zoology), Kongunadu Arts and Science College (Autonomous), Coimbatore, has participated in our "INTERNSHIP LABORATORY TRAINING PROGRAMME IN MEDICAL LAB TECHNOLOGY" from 07.05.2025 to 23.05.2025 (15 days), conducted in our Lab premises.

She was refreshed in Medical Microbiology including Mycology, virology and Immunology. She is now oriented towards practical Applications with ELISA, various special Medias and staining Techniques, Specimen collection and Sample processing, and various other relevant Microbiological Investigations.

She was also refreshed in Clinical Pathology, Clinical Biochemistry, and serology.

She was well mannered and well behaved and well disciplined with excellent motivational for quality oriented work.

We wish her all success.



Dr.S.Rajkumar. MSc., Mphil, PhD., PGDMBT.

Lab Head & Microbiologist

Micro Tech Diagnostic Centre
V.G Centre. Opp. to Lakshmi Complex
No. 106, 9th Street, Cross Cut Road
Gandhipuram, Coimbatore - 641 012.

**INTERNSHIP REPORT ON
BASIC TECHNIQUES OF MICROBIOLOGY,
BIOCHEMISTRY, IMMUNOLOGY AND MICRO PATHOLOGY**

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K. RAJA RAJESWARI

Reg No 231ZO009

S. JEEVITHA

Reg No 231ZO013

Under the guidance of

Dr. P. KATHIRESHWARI
M.Sc., Ph.D., PGDCA., PGDBI.,
Assistant Professor in Zoology.



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Dr.S.Rajkumar. MSc., Mphil., PhD., PGDMBT.

Lab Head & Microbiologist

Micro Tech Diagnostic Centre
V.G. Centre Opp. to L'Oréal Complex
No. 166, 9th Street, Cross Cut Road
Gandhipuram, Coimbatore - 641 012.

**INTERSHIP TRAINING PROGRAMME REPORT
ON**

INTRODUCTION TO MARINE MICROBIOLOGY

**SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE**

BACHELOR OF SCIENCE IN ZOOLOGY

**SUBMITTED BY
ATCHAYAKIRAN. A (231Zo014)**

**UNDER THE SUPERVISION OF
Dr. S. Raja M.Sc., Ph. D., PGDBL.,
ASSISSTANT PROFESSOR IN ZOOLOGY**



**Department of Zoology
KONGUNADU ARTS AND SCIENCE COLLEGE
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JUNE-2025

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF MARINE SCIENCES
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Dr. S. Venu, Ph.D.
Associate Professor

Phone: (+91) 7063953206 (Mob.)

26.05.2025

INTERNSHIP CERTIFICATE

Mr. Atchayakiran A (Kongunadu Arts and Science College, Coimbatore) has completed a 15-day internship from 12.05.2025 to 26.05.2025 in the department of Marine Biology, Microbiology, and Biochemistry at Cochin University of Science and Technology.

During the internship, Mr. Atchayakiran A demonstrated exceptional dedication, enthusiasm, and commitment to learning and contributing to the fields of Marine Biology, Microbiology, and Biochemistry. His active participation in research and laboratory experiments has been commendable. He acquired knowledge of standard laboratory procedures, including sample collection and laboratory analysis, in the field of Marine microbiology. Furthermore, he has learned about Fish Dissection.

Mr. Atchayakiran A specifically learned standard microbiological techniques, which include the isolation, purification, and characterization of bacteria. I appreciate Atchayakiran A sincerity in work and wish him all the best for future endeavours.



Dr. S. Venu
Associate Professor
Department of Marine Biology, Microbiology
and Biochemistry
Cochin University of Science and Technology
Lakeside Campus, Fine Arts Avenue
Foreshore Road, Kochi - 682016, Kerala

Website:

(+91)9933256866 (Whatsaap)

INTERNSHIP TRAINING PROGRAMME REPORT ON

PEST CONTROL AND MANAGEMENT

SUBMITTED TO

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE

BACHELOR OF SCIENCE IN ZOOLOGY

SUBMITTED BY

M MOOSIKA (231ZO016)

UNDER THE SUPERVISION OF

Dr. S. BINUKUMARI M.Sc., M.Phil., Ph.D., M.Ed., PGDMB

ASSOCIATE PROFESSOR IN ZOOLOGY



Department of Zoology

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

College of Excellence (UGC)

**Re-Accredited by NAAC with 'A+' Grade (4th Cycle), 52nd Rank among colleges in NIRF
2024**

(Affiliated to Bharathiyar University)

Coimbatore, Tamil Nadu, India-641029

JULY-2025

CERTIFICATE



**DEPARTMENT OF ZOOLOGY
BHARATHIAR UNIVERSITY
COIMBATORE-641046**



CERTIFICATE

This is to certify that **Ms. M. MOOSIKA** III B.Sc. Zoology. Kongunadu Arts and Science College, Coimbatore, Tamil Nadu 641029 has undergone summer internship from **May 12, 2025 to June 03, 2025** at Conservation Biology Laboratory, Department of Zoology, Bharathiar University, Coimbatore – 641046.

**Dr. C. GUNASEKARAN
ASSOCIATE PROFESSOR
DEPARTMENT OF ZOOLOGY
BHARATHIAR UNIVERSITY**

**INTERNSHIP REPORT ON
MEDICAL GENETICS AND EPIGENETICS LABORATORY**

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
GOKUL. K
Reg. No: 231ZO017)

Under the guidance of
Dr. S. MANIVANNAN, M. Sc., M. Phil., PGDCA., Ph. D., (NET)
Assistant Professor of Zoology



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
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JULY - 2025



DEPARTMENT OF HUMAN GENETICS AND MOLECULAR BIOLOGY
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA.

Dr. A. Vijaya Anand Ph.D.,
Professor and Head

Email : avamiet@yahoo.com | avahgmb@buc.edu.in

Mobile : +91 98425 25830 | Landline : +91 422 2428511

CERTIFICATE

This is to certify that **Mr. GOKUL K (Reg. No.231ZO017)** pursuing his Bachelor of Science in Department of Zoology, Kongunadu Arts and Science College, G.N mills, Coimbatore, has done his Internship training work in the Medical Genetics and Epigenetics Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore- 46 under my guidance and supervision for 15 days (12.05.2025 – 30.05.2025).

His attendance during the period of project is 100%.

Signature

Dr. A. VIJAYA ANAND, Ph.D.
Professor and Head
Dept. of Human Genetics and Molecular Biology
Bharathiar University
Coimbatore - 641 046, T.N. India

**INTERSHIP TRAINING PROGRAMME REPORT ON
PRODUCTION OF DAIRY AND BOWAIN HEALTH CARE**

**SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE**

**In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY**

**SUBMITTED BY
S.S.YUVADHARSHNI (231ZO018)**

**UNDER THE SUPERVISION OF
Dr. R. Venkitachalam, M.Sc., M.Phil., DCA., Ph. D.
ASSISSTANT PROFESSOR IN ZOOLOGY**



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General Manager-i/c

Ref.No.3778 / Estt.5 /2025

Dt : 13.06.2025

CERTIFICATE

This is to certify that Ms. S.S.Yuvadharshni, II-B.Sc., (Zoology) student of The Kongunadu Arts & Science College, Coimbatore has done the Internship Training from 08.05.2025 to 23.05.2025 (15 days) in this Union.

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

[Signature]
13/6/25
For General Manager

To

Ms. S.S.Yuvadharshni,
II-B.Sc., (Zoology)
Kongunadu Arts & Science College,
Coimbatore-641 029.

Yuvadharshni. S.S

**INTERSHIP TRAINING PROGRAMME REPORT ON
TESTING BLOOD FOR PATHOGEN
ANALYSIS AND MEDICAL USES**

Submitted to

Kongunadu Arts & science college

Submitted by

L. Keerthivasan

(231ZO019)

UNDER THE SUPERVISION OF

Dr. S. Rajesh Kumar., M.Sc., Ph. D., PGDCA.,

ASSISTANT PROFESSOR IN ZOOLOGY



Department of Zoology

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**G. N. Mills (PO), Coimbatore-641029
Tamil Nadu, India**

JULY-2025



ஸ்ரீ பத்ரா க்ளினிக் & சர்க்கரை நோய் மையம்
SRI BATHRA CLINIC & DIABETIC CENTRE
228, Vivekanandar Salai, NarayanaValasu, ERODE - 638 011.

Dr. D. SATISH SHANMUGARAJ, M.D.,(RUSSIA),
Consultant Physician, Diabetologist & Cardiac Counselor
Medical Officer : Imayam Cancer Home, Chithode.
REG No.: 80376

Dr. D. சதீஷ் சண்முகராஜ், M.D.,(RUSSIA),
பொது, கழற்சைகள் மற்றும் சர்க்கரை நோய் சிறப்பு மருத்துவர்
இருதய நல ஆலோசகர்
மருத்துவ அதிகாரி : இமயம் புற்றுநோயாளிகள் கல்யாணம், சித்தோடு.

வய நேரம் : காலை 8.30 மணி முதல் மதியம் 2.30 மணி வரை மாலை 5.30 மணி முதல் இரவு 9.30 மணி வரை ஞாயிறு மாலை விடுமுறை

CERTIFICATE

This is to certify that **Mr. KEERTHIVASAN.L** (Reg No: 231ZO019) pursuing his Bachelor of Science in Department of Zoology, Kongubnadu Arts and Science College, G.N. mills, Coimbatore 29, has done his Internship training work in the **SRI BATHRA CLINIC AND DIABETIC CENTRE**, about blood collection, Blood group testing and blood grouping, guidance and supervision for 20 days (From 10.05.2025 to 30.05.2025)

His attendance during the period of project is 100%

Signature

Dr. D. SATISH SHANMUGARAJ, M.D.(RUSSIA)
CONSULTANT PHYSICIAN,
REG NO: 80376,
SRI BATHRA CLINIC,
228, VIVEKANANTHAR SALAI,
NARAYANAVALASU, ERODE - 638011.

INTERNSHIP REPORT

ON

**Effects of Gallic Acid on *Artemia salina*: Impacts on Hatching
Efficiency and Nauplii Survival**

Submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by

YUVAPATHI M

Reg. No: 231ZO020

Under the guidance of

Dr. K. KANNAN.,

M.Sc., M.Phil., Ph.D

Assistant Professor in Zoology.



DEPARTMENT OF ZOOLOGY

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This is certified that Mr. YUVA PATHI. M (231ZO020), III B.Sc., Student, Department of Zoology, Kongunadu Arts and Science College (Autonomous), G.N. Mills Post, Coimbatore - 641 029 has undergone Internship training program - 2025 entitled "Effect of Gallic acid on *Artemia salina*: Impacts on Hatching efficiency and Nauplii Survival" for a period of 15 days from 06.05.2025 to 24.05.2025 in the Aquatic Ecology Laboratory, Department of Zoology, Bharathiar University, Coimbatore- 641 046.

Faculty In-charge

Dr. T. MURALISANKAR
Assistant Professor
Department of Zoology
Bharathiar University
Coimbatore - 641 046
Tamilnadu - India.

Date: 17/07/25



INTERNSHIP REPORT ON
TOXICOLOGICAL EFFECT OF BIOSYNTHESIZED Ag₂O NANOPARTICLES ON
HATCHING AND NAUPLII OF *ARTEMIA SALINA*

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
S NANDHINI
V.KAMAL SATHYA

Reg.No:231ZO003

Reg. No :231ZO022

Under the guidance of
Dr. C. SHOBANA M.Sc., M.Ed., M.Phil., Ph.D.

Assistant Professor in Zoology.



DEPARTMENT OF ZOOLOGY
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CERTIFICATE

This is certified that Ms. NANDHINI. S (231ZO003), III B.Sc., Student, Department of Zoology, Kongunadu Arts and Science College (Autonomous), G.N. Mills Post, Coimbatore - 641 029 has undergone Internship training program - 2025 entitled "Toxicological Effects of Biosynthesized Ag₂O Nanoparticles on Hatching and Nauplii of *Artemia salina*" for a period of 15 days from 06.05.2025 to 24.05.2025 in the Aquatic Ecology Laboratory, Department of Zoology, Bharathiar University, Coimbatore- 641 046.


Faculty In-charge
Dr. T. MURALISANKAR
Assistant Professor
Department of Zoology
Bharathiar University
Coimbatore - 641 046
Tamilnadu - India.

Date: 14/05/25



INTERNSHIP REPORT
ON
Ecotoxological Evaluation of Cinnamic Acid using *Artemia salina* as a
model organism

Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore - 641 029.

In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY

Submitted by
THIRUMURUGAN P

Reg. No: 231ZO024

Under the guidance of
Dr. V. MEIYALAGAN M.Sc., Ph.D.
Assistant Professor in Zoology.



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CERTIFICATE

This is certified that **Mr. THIRUMURUGAN. P, (231ZO024)**, III B.Sc., Student, Department of Zoology, Kongunadu Arts and Science College (Autonomous), G.N. Mills Post, Coimbatore - 641 029 has undergone Internship training program - 2025 entitled "**Ecotoxicological Evaluation of Cinnamic Acid Using *Artemia salina* as a Model Organism**" for a period of 15 days from 06.05.2025 to 24.05.2025 in the Aquatic Ecology Laboratory, Department of Zoology, Bharathiar University, Coimbatore- 641 046.


Faculty In-charge

Dr. T. MURALISANKAR
Assistant Professor
Department of Zoology
Bharathiar University
Coimbatore - 641 046
Tamilnadu - India.

Date: 17/7/25



**INTERNSHIP REPORT ON
MEDICAL GENETICS AND EPIGENETICS LABORATORY**

**Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Affiliated to Bharathiar University, Coimbatore - 641 029.**

**In partial fulfilment of requirements for the award of the degree of
BACHELOR OF SCIENCE IN ZOOLOGY**

**Submitted by
S. JOTHIKA
Reg. No: 231ZO026**

**Under the guidance of
Dr. S. MANIVANNAN, M. Sc., M. Phil., PGDCA., Ph. D., (NET)
Assistant Professor of Zoology**



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**DEPARTMENT OF HUMAN GENETICS AND MOLECULAR BIOLOGY
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046, TAMILNADU, INDIA.**

**Dr. A. Vijaya Anand Ph.D.,
Professor and Head**

Email : avamiet@yahoo.com | avalugmb@buc.edu.in

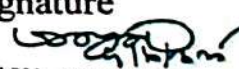
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CERTIFICATE

This is to certify that Ms. JOTHIKA S (Reg. No. 231ZO026) pursuing her Bachelor of Science in Department of Zoology, Kongunadu Arts and Science College, G.N mills, Coimbatore, has done her Internship training work in the Medical Genetics and Epigenetics Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore- 46 under my guidance and supervision for 25 days (12.05.2025 – 09.06.2025).

Her attendance during the period of project is 100%.

Signature


Dr. A. VIJAYA ANAND, Ph.D.
Professor and Head
Dept. of Human Genetics and Molecular Biology
Bharathiar University
Coimbatore - 641 046, T.N., India